

# jaga

CLIMATE DESIGNERS

Heating



Light cooling



Deep cooling



FOR A BETTER CLIMATE, INDOOR AND OUTDOOR





**HEATING**

Economical heating at **water temperatures above 45 ° C.**

**WALL**



STRADA  
p. 30



LINEA PLUS  
p. 38



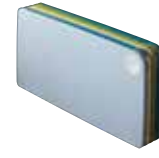
TEMPO  
p. 46



MINI WALL  
p. 56



KNOCKONWOOD  
p. 60



PLAY  
p. 64



PANEL PLUS  
p. 68



HEATWAVE  
p. 74

**INSTALLATION IN A WALL RECESS**



INSTALLATION IN A WALL RECESS  
p. 78

**FLOOR FREESTANDING**



MINI  
p. 136



LINEA PLUS  
p. 148



TEMPO  
p. 142

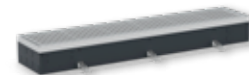


KNOCKONWOOD DBE  
p. 152



PANEL PLUS  
p. 156

**TRENCH HEATING**



MINI CANAL  
p. 160



MICRO CANAL  
p. 178

**TOWEL RADIATORS**



MIKADO  
p. 130



SANI ELECTRIC  
p. 124



SANI RONDA  
p. 126



SANI BASIC  
p. 128

**EYECATCHERS**



IGUANA APLANO  
p. 90



IGUANA CIRCO  
p. 86



IGUANA CORNER  
p. 100



IGUANA VISIO  
p. 94



IGUANA ARCO  
p. 94



IGUANA ANGULA  
p. 104



TETRA  
p. 108



DECO SPACE  
p. 116



PANEL PLUS  
p. 112

Jaga reserves the right to change product specification at any time in line with our policy of continuous improvement and innovation All prices in Euro, exclude VAT Prices valid from Januari 1, 2023. Replaces all existing price lists.



D-FLOW. THE NEW OXYGEN SYSTEM  
For more info see:  
[www.jaga.com/Products/ventilation/oxygen.html](http://www.jaga.com/Products/ventilation/oxygen.html)

suitable for ventilation



UNIT HEATER AVS  
Ideal for large spaces.  
p. 184

DYNAMIC RADIATORS - P. 200



**+ LIGHT COOLING**

Economical heating at the **lowest water temperatures** and suitable for light cooling (non-condensing).

DYNAMIC FANCOIL RADIATORS - P. 262



**+ DEEP COOLING**

**Highest output** in heating, light cooling (non-condensing) and deep cooling (condensing).



STRADA HYBRID  
p. 208



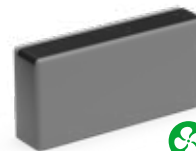
DBH UPGRADE SET  
p. 228



BRIZA 12  
p. 266



BRIZA 22  
p. 284



BRISE  
p. 286



INSTALLATION IN A WALL RECESS HYBRID  
p. 218



BRIZA 12  
p. 266



BRIZA 22  
p. 284



BRISE  
p. 286



MINI HYBRID  
p. 224



FREEDOM CLIMA  
p. 294



BRISE  
p. 286



MINI CANAL HYBRID  
p. 244



CLIMA CANAL 08  
p. 256

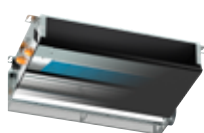


CLIMA CANAL 19 - 13 - 10  
p. 302



VERTIGA HYBRID  
p. 238

**BUILT-IN CEILING**



BRIZA 12  
p. 266



BRIZA 22  
p. 284



BRISE  
p. 286

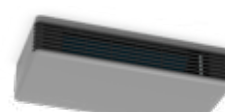
**CEILING MOUNTED MODEL**



BRIZA 12  
p. 266



BRIZA 22  
p. 284



BRISE  
p. 286



Connection sets & valves Low-H<sub>2</sub>O p. 316

Connection sets & valves Eyecatchers p. 340

PARTS AND OPTIONS p. 356  
TECHNICAL INFORMATION p. 380  
PROJECTS AND SPECIALS p. 398

**BELGIUM JAGA NV**

Jaga advies centrum | Verbindingslaan 16 | 3590 Diepenbeek  
+32 (0) 11 29 41 11 info@jaga.be jaga.be

**THE NETHERLANDS JAGA KONVEKTCO BV**

Jaga Konvectco Showroom | De Meerheuvel 6 | 5221 EA 's-Hertogenbosch  
073 63 123 60 info@jaga.nl jaga.nl

**GERMANY JAGA DEUTSCHLAND GMBH**

Adenauerstrasse 20 | Gebäude A21. | 52146 Würselen  
+49 2405 892 414-0 info@jaga.de jaga.de

**FRANCE JAGA FRANCE**

130 Boulevard de la Liberté | FR-59000 Lille  
03 20 04 42 30 info@jaga.fr

**UNITED KINGDOM JAGA HEATING PRODUCTS (UK)**

Jaga House | Orchard Business Park Bromyard Road | Ledbury - Herefordshire HR8 1LG  
+44 (0) 1531 631533 jaga@jaga.co.uk jaga.co.uk

**CZECH REPUBLIC ORGANIZAČNÍ SLOŽKA**

U Trezorky 921/2 | 15800 Praha 5 - Jinonice  
+420 220 190 516 info@jagacz.com jagacz.com

**SPAIN CONVES**

C/ Campello 5 | 03509 Finestrat | Alicante  
966 83 03 03 proyectos@conves.es

**AUSTRIA JAGA AUSTRIA**

Josef-Koch-Straße 28 | 6440 Imst  
+43 65 0800 80 99 eapperle@jaga.be

**SWITZERLAND JAGA DEUTSCHLAND GMBH**

Adenauerstrasse 20 | Gebäude A21. | 52146 Würselen  
+49 2405 892 414-0 info@jaga.de jaga.de

**POLAND JAGA POLSKA SP. z o.o.**

Galeria Saska Kępa | ul.Zwycięzców 28 lok. 26 | 03-938 Warszawa  
+48 22 672 88 82 info@jaga.com.pl jaga.com.pl

**CANADA / UNITED STATES JAGA CANADA CLIMATE SYSTEMS INC**

375 University Ave. E. | Suite 205A | Waterloo, Ontario N2K 3M7 | Canada  
info@jaga-canada.com jaga-canada.com

**CHINA JAGA CLIMATE SYSTEM (SHANGHAI) CO., LTD.**

CoolDocks Building 4 (Bund Area), 207 | No.653, Waima Road | Huangpu District | Shanghai  
0086 21 32140929 400-820-6228 | danyu.sheng@jagachina.com | jagachina.com

**ALL OTHER COUNTRIES**

Jaga International  
+32 11 29 41 12 | export@jaga.be | jaga.com

## What about Jaga?!

Since its foundation in 1962, Jaga has focused on innovation, creativity and sustainability. Jaga is still an independent family business that follows its own course. A course in which social and ecological awareness are key and long-term thinking takes precedence. It allows Jaga to constantly invest in its own products. These products, according to the climate designer philosophy, use less energy and don't require as many materials to manufacture.

The products that leave the 50,000 m<sup>2</sup> large site in Diepenbeek can therefore be found all over the world and in a variety of buildings, including many ecological and certified projects (BREEAM, LEED ...). Jaga has branches or is represented in more than 25 countries, in Europe but also in countries such as Canada, USA, Russia, China ...





**jaga** CLIMATE DESIGNERS



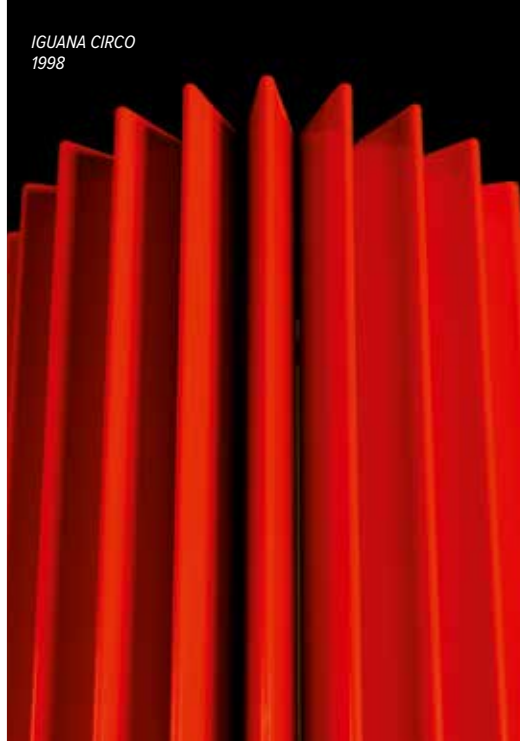
More products or info  
see [www.jaga.com](http://www.jaga.com)

A vintage-style photograph of a woman with blonde hair sitting on a red Eames-style chair. She is wearing a sleeveless, long-sleeved dress with a black base and a pattern of white and red flowers. She is holding an open magazine. The background features a window with white blinds and a light-colored wall with vertical decorative lines. A small table with two red cups is visible in the lower left corner. The text "TIMELESS DESIGN SINCE 1962" is overlaid in white capital letters across the center of the image.

TIMELESS DESIGN SINCE 1962



LINEA PLUS  
1989



IGUANA CIRCO  
1998



KNOCKONWOOD FREESTANDING DBE  
2004



HEATWAVE  
2007

*Jaga radiators  
not only warm  
your home,  
they also warm  
your heart.*



PLAY  
2009



VERTIGA  
2011



FREEDOM  
2014



BRIZA 8  
soon



EUROPEAN DESIGN  
AWARD - LINEA PLUS  
1990



TROPHÉE DU DESIGN  
PARIS - GEO  
1997



ISH-DESIGN AWARD -  
IGUANA  
1999



IF-DESIGN AWARD  
- KNOCKONWOOD &  
STRADA  
2003



VIZO - TRIËNNALE -  
IGUANA & GEO  
2001



LEEUEW VAN DE EXPORT  
2003



COMPANY OF THE YEAR  
2003



BELGIAN BUILDING  
COMMUNICATION  
2004



HENRY VAN DE VELDE -  
BESTE DESIGN BEDRIJF  
2004



BENELUX EVENT  
AWARDS - BOOST  
PARTY  
2004



DESIGN MANAGEMENT  
EUROPE AWARDS  
2009



**DME AWARD**

HENRY VAN DE VELDE  
PUBLIC AWARD - PLAY  
2009



REDDOT DESIGN  
AWARD - TWINE  
2009



REDDOT DESIGN  
AWARD - PRODUCT  
2013



REDDOT DESIGN  
AWARD - AURORA  
2018



## Pioneer in timeless design

### THE LOOK OF THE HEATING UNIT FOREVER CHANGED

In 1989, Jaga was the first to win a design award with the **Linea Plus** thanks to an inventive and slimming perfo-grid.

The **Iguana** family, in turn awarded in 1999, meant a completely new design language for the heating industry. A new construction technique was developed especially for these units, which were based on a child's drawing of a radiant sun.

In addition to techniques and designs, Jaga also wasn't afraid to experiment with materials. **Knockonwood** was the first mass produced wooden designer heater. The frivolous, concrete curls of the **Heatwave** have proven to be the perfect combination between traditional finesse, industrial materials and production techniques.

### STANDOUTS IN DESIGN AND TECHNOLOGY

Climate change and an evolution in building techniques require an ecological approach for heating, cooling and ventilation. Jaga already developed the first dynamic heaters that can combine these functions in 2003, and you can find out how this gas grown into a wide range of ecological solutions for every season by taking a look at this catalog.



**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)



FOR A BETTER CLIMATE

Always honouring its values, Jaga Climate Designers continually look for the most ecological solutions for heating, cooling and ventilation.



## **Comfort, winter and summer**

### HEATING, COOLING AND VENTILATION

The Jaga “convector” has never been an ordinary radiator and now evolves into a climate cooler. The ultra-light heat exchanger of our first products already contained the base of all our new and future products. Hence our tech-

nological lead in lightweight, responsive and high-performance heat exchangers for what today has become a complete climate system for heating, cooling and ventilation.



## **Comfort, indoor and outdoor**

### EXTINGUISH THE FIRE

Climate Designer products are intended for the most environmentally friendly technologies, such as heat pumps and solar energy. Lightweight radiators performing outstanding with the lowest water temperatures and switching automatically between heating and cool-

ing. The all make sure you can create the best indoor climate with installations that require no fire (read: boiler). No fire means that Jaga Climate Designer products help to reduce carbon emissions and thus improve the outdoor climate.



## **Less material, more technology**

### A PERFECT EXAMPLE OF ECODESIGN

Climate Designer products consume less energy. But it is not only during their life that they are environmentally friendly. Since these products are much lighter and smaller than an equivalent capacity of other emitters or floor heating systems, the raw material requirement in manufacturing is also significantly reduced.

Furthermore, they last longer, have a 30-year guarantee, and are fully recyclable at the end of their life. Compared to other systems, Climate Designer products score remarkably better in LCA measures, which compare the environmental impact of products.

# jaga

CLIMATE DESIGNERS

## **CONCLUSION:**

**Maximum indoor comfort,  
minimum carbon emission**

In every season a maximum indoor comfort with a minimum of pollution and a minimal use of raw materials: that's how we try to improve not only your indoor climate but also the outdoor climate. And that's why we think we can call ourselves, all our employees, all our installers and all our customers: Jaga Climate Designers!



**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

A photograph of a wall made of vertical wooden slats. Several paper butterflies in various colors (purple, blue, pink, yellow) are pinned to the wall. The text "OUR FIVE CORE VALUES" is centered in white, uppercase letters.

OUR FIVE CORE VALUES



**RESPECT  
NATURE**

Break through the traditional way of thinking by investing in the development of innovative products that consume less energy and fuel. The choice of the most ecological and sustainable path should no longer be an option. Instead, it must become the natural choice.



**AWAKE  
THE ARTIST**

Use innovative materials and production techniques, not only for better performance, but to find a path which goes beyond design. Elevate the Jaga products from design objects to objects of desire...



**DREAM  
A FUTURE**

Look ahead and dare to dream! Imagine a life without the energy sources that we know today. Design innovative products that have one foot in the next decade and develop new technologies and systems that give the earth every chance of a sustainable future.



**CREATE  
EMOTION**

Share passion and emotion. Since unique experiences have far greater impact. Join forces in the quest for survival models for the future. Invent, create and enjoy together.

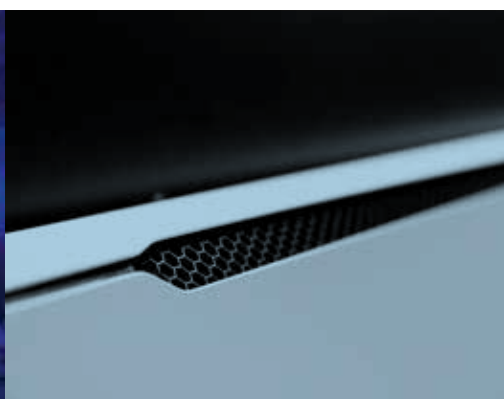
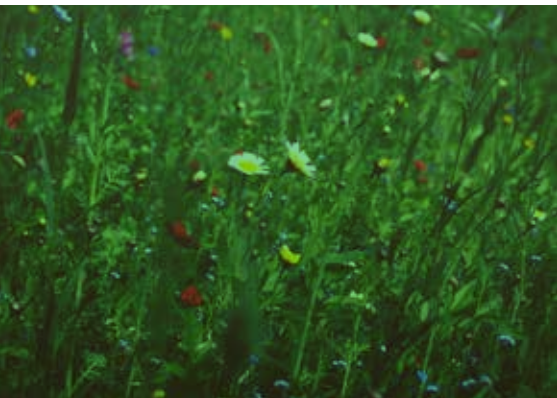
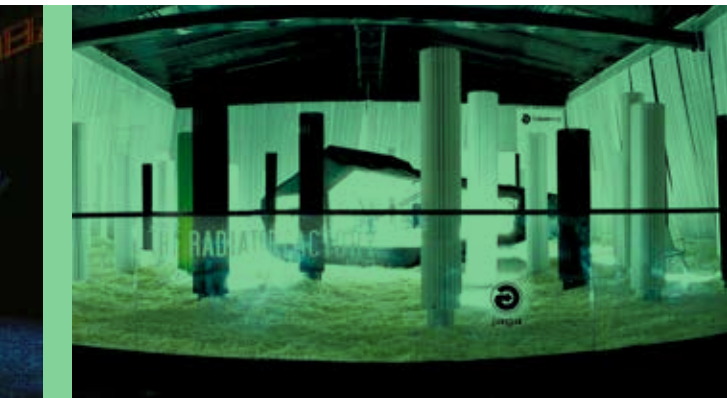


**BUILDING  
BRIDGES**

Building bridges between materialism and spirituality. Bringing together economists and creative souls. Do not leave the world to the calculators. Bring together different minds in the search for a universal survival model.










**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

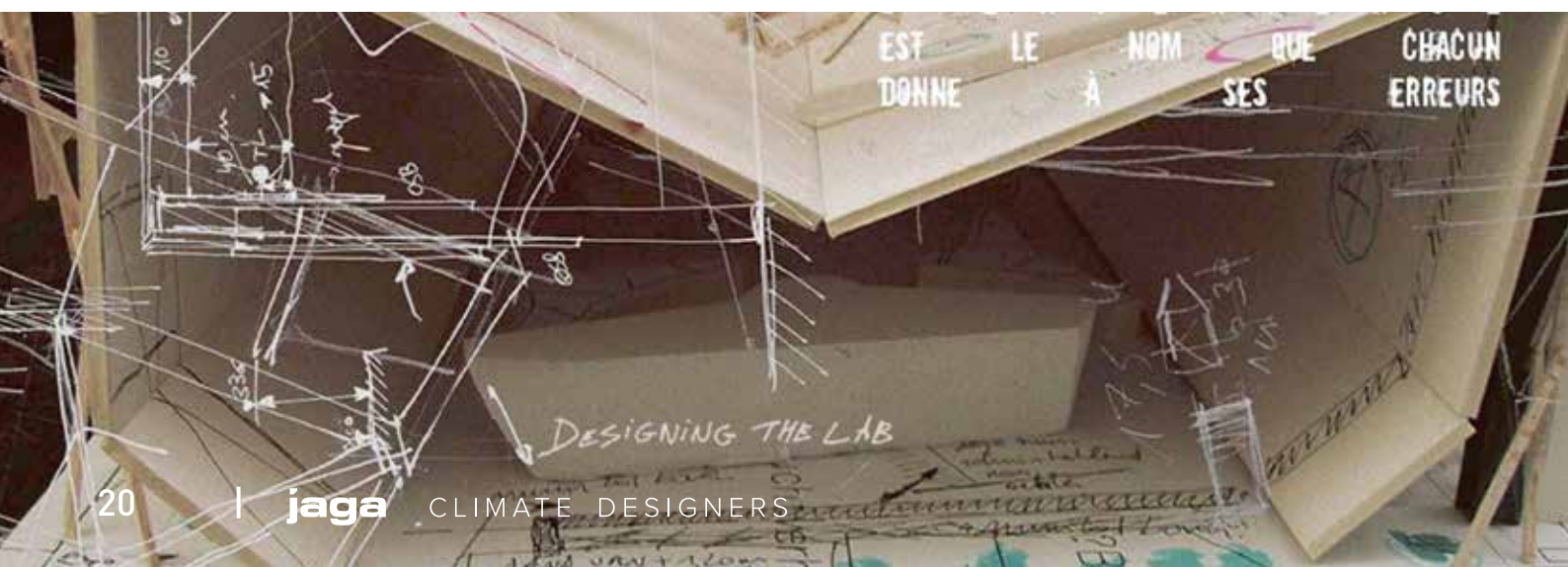


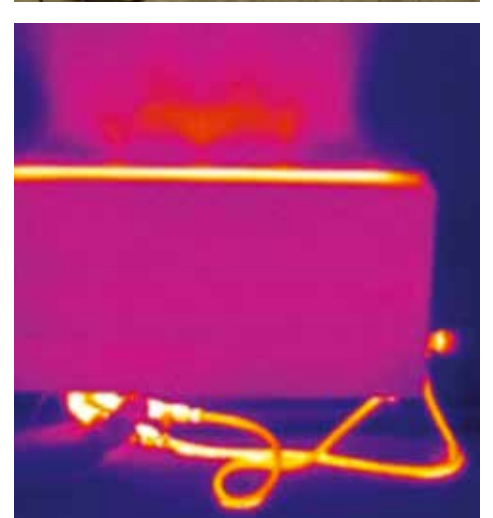
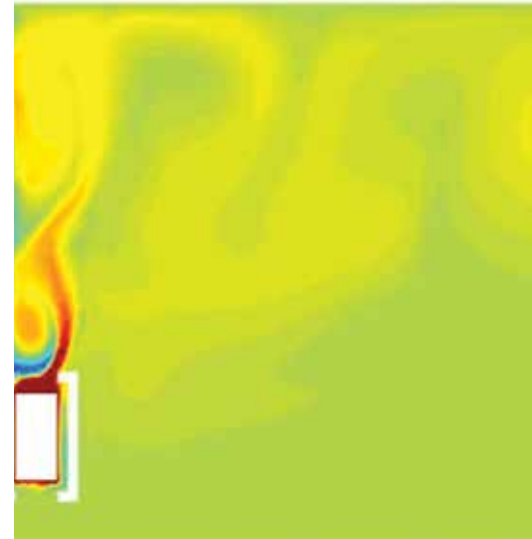
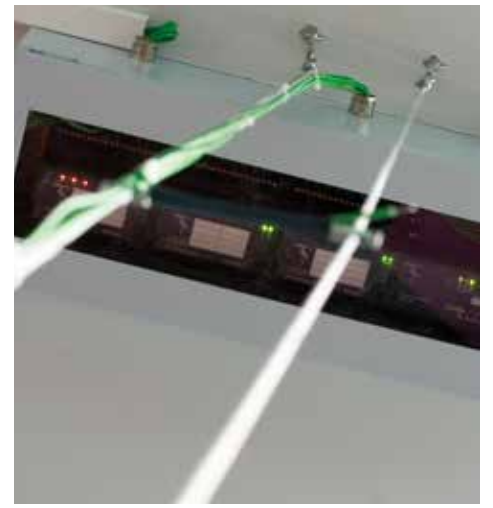
ENTER THE JAGA BRAIN



**THE JAGA EXPERIENCE LAB** is a unique scientific climate lab for comparative research and simulations between different heating or cooling systems. **The Lab consists of a 600 m<sup>3</sup> large climate room with two identical houses, a DIN test booth and a multifunctional auditorium.**

Extreme weather conditions can be simulated, with temperatures ranging from -30 °C up to + 30 °C. Both in the houses and in the climate chamber, several measurements are continuously made: air temperature, temperature of walls, black ball radiation temperature, water temperature in supply and return pipes, CO<sub>2</sub> levels, humidity level etc. In total, around 120 measurements are digitized on site by the climate logger in the control room. All data can be visualized and projected so that visitors in the auditorium can follow the tests live.





**jaga**


CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

An aerial photograph of a mountain range covered in snow, with a red semi-transparent overlay on the right side. The text is centered in white, bold, uppercase letters.

**HEATING WITH  
THE MOST ECONOMICAL HEATERS**



*Jaga radiators  
not only warm  
your home,  
they also warm  
your heart*



## **WALL HORIZONTAL**

Strada	p. 30
Linea Plus	p. 38
Tempo	p. 46
Mini	p. 56
Knockonwood	p. 60
Play	p. 64
Panel Plus	p. 68
Heatwave	p. 74

## **WALL BUILT-IN**

Installation in a wall recess	p. 78
-------------------------------	-------

## **WALL VERTICAL**

Iguana Circo	p. 86
Iguana Aplano	p. 90
Iguana Arco & Visio	p. 94
Iguana Corner	p. 100
Iguana Angula Plus	p. 104
Tetra	p. 108
Panel Plus	p. 112
Deco Space	p. 116

## **TOWEL RADIATORS**

Sani Electric	p. 124
Sani Ronda	p. 126
Sani Basic	p. 128
Mikado Universal towel rail	p. 130

## **FLOOR FREESTANDING**

Mini Freestanding	p. 136
Tempo Freestanding	p. 142
Linea Plus Freestanding	p. 148
Knockonwood Freestanding	p. 152
Panel Plus Freestanding	p. 156

## **FLOOR BUILT-IN**

Mini Canal	p. 160
Micro Canal	p. 178

## **HEATING FOR LARGE SPACES.**

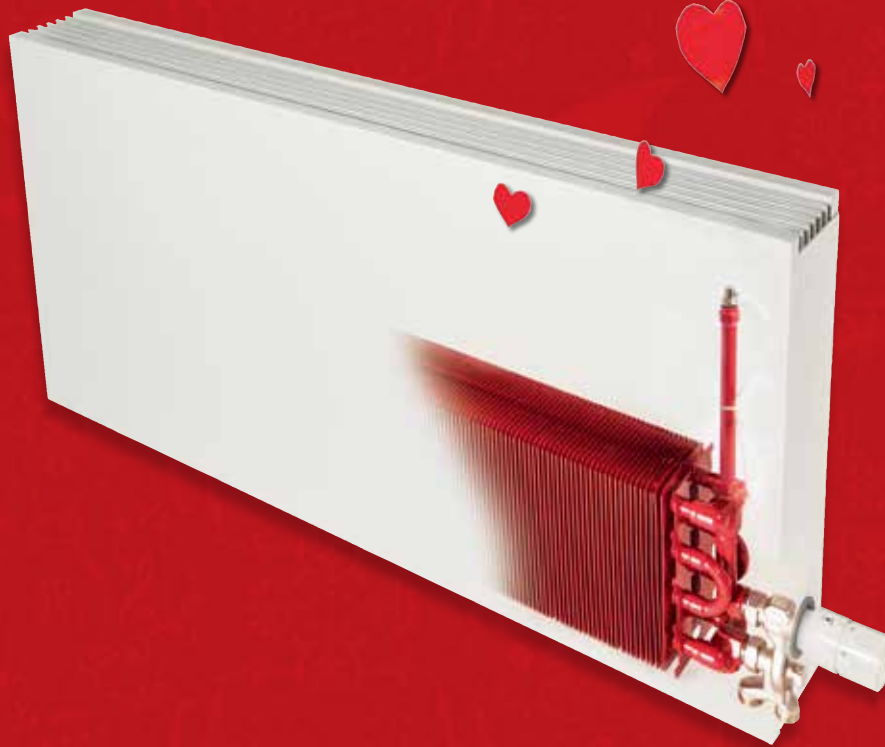
AVS Unit heater	p. 184
-----------------	--------

# JAGA LOW-H<sub>2</sub>O SELECTED AS THE MOST ECONOMICAL RADIATOR

## ENERGY SAVINGS OF UP TO 16%

Jaga's Low-H<sub>2</sub>O heating unit has been tested extensively over the years by various independent bodies in various countries. The Low-H<sub>2</sub>O heating units achieves the highest heat output efficiency. Low-H<sub>2</sub>O heating units are more economical at any water temperature. Significant energy savings are achieved

with heat pump installations as well as with traditional central heating installations! Jaga Low-H<sub>2</sub>O is 9 to 16% more economical than panel heaters and at least 5% more economical than floor heating.



**Kiwa Certification**  
"Energy saving certification for Low-H<sub>2</sub>O heat exchanger in a Tempo casing"  
Apeldoorn, 2014



**Réglementation Thermique**  
BBC Bâtiments Basse Consommation  
France, 2012



**Technical University**  
"Functioning of Low-H<sub>2</sub>O heating at low water temperature"  
Eindhoven, 2001



**Building Research Establishment- UK**  
"Energy efficiency benefit of low water content heat emitters"  
Watford, 2003



**Wetenschappelijk Technisch Centrum Bouwbedrijf**  
"Emission performance of radiators and convectors"  
Brussel, 1981

# THE LOW-H<sub>2</sub>O TECHNOLOGY MAKES THE DIFFERENCE

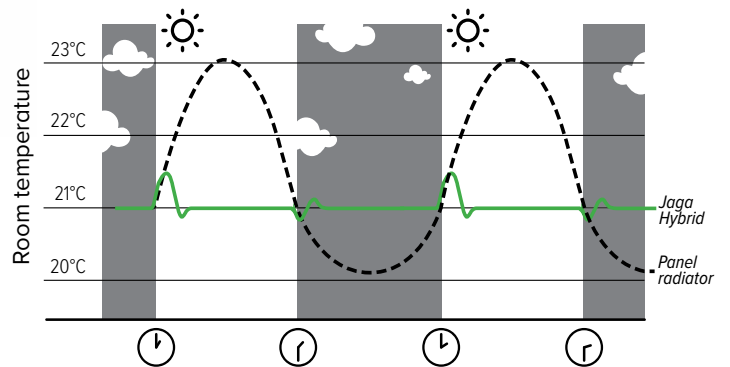
## THE LOW MASS RADIATOR WITH SUPER FAST HEAT EXCHANGERS

A small mass heats up faster than a large mass. That is a law of nature. Low-H<sub>2</sub>O radiators are much lighter and contain far less water than other radiators or underfloor heating systems. Thus they need no prior self-heating, and also immediately transfer the heat to the room. The ultra-modern aluminium and copper Low-H<sub>2</sub>O heat exchanger responds several

times faster than underfloor heating or other radiators. The heating also stops after reaching the optimal room temperature. For this reason, the Jaga Low-H<sub>2</sub>O radiator provides greater comfort with lower energy consumption.



*“ Not only is there a clear connection between weight and energy consumption, but the installation is also much easier due to the unit’s low weight.”*



## LOW-H<sub>2</sub>O EVEN MORE COMPACT WITH THE BRAND NEW DBH SYSTEM

As they work at low water temperatures, sometimes no more than 35°C, heat pumps and solar energy systems require large heating units. The Low-H<sub>2</sub>O heating units, however, do not need to be this large, because due to the DBH (Dynamic Boost Hybrid) they deliver two to three times more heat. In addition, these heating units are also suitable for light

cooling, a passive, environmentally friendly way of cooling that is supplied by many heat pump systems. With DBH you can easily switch to all new ecological systems. This way you are well prepared for the future!

# JAGA LOW-H<sub>2</sub>O RADIATOR ECONOMICALLY AND ECOLOGICALLY THE BEST



## LOWER ENERGY CONSUMPTION

The savings proved by Kiwa will reduce the total characteristic energy consumption of an average home by 36 Megajoule per m<sup>2</sup>. An average home of 140 m<sup>2</sup> will save 141 m<sup>3</sup> gas per year, just by opting for Low-H<sub>2</sub>O radiators!



## LOWER CO<sub>2</sub>-EMISSIONS

The lower the energy consumption, the lower the CO<sub>2</sub> emission. A saving of 141 m<sup>3</sup> gas per home means a reduction of 293 kg/year in CO<sub>2</sub> emissions. This is quite significant, if you remember that an average car can cover 2000 km with the same CO<sub>2</sub> emission!



## LESS MATERIAL USE

The fact that a Jaga Low-H<sub>2</sub>O radiator is lighter and smaller than traditional radiators at the same power, means not as much raw material is consumed for production. Low-H<sub>2</sub>O radiators also have a longer life – they have a 30-year guarantee – and at the end of their life, they can be completely recycled. Nature wins hands down which every way you look at it!



## LOWER INVESTMENT

Since Jaga Low-H<sub>2</sub>O radiators are also efficient at high water temperature, a compact, cost-effective installation can also achieve an acceptable energy consumption. With Jaga Low-H<sub>2</sub>O radiators, these installations almost always earn the same number of EPC points under Dutch law, as low temperature installations with underfloor heating systems or panel radiators. A smaller investment will bring you the same advantage!

## BETTER ENERGY CERTIFICATES FOR BUILDINGS WITH JAGA LOW-H<sub>2</sub>O RADIATORS

The Low-H<sub>2</sub>O heating unit has a much smaller heat loss area and operates at the same low water temperature as underfloor heating. Because of the DBH system, there is no need for larger heating units. This is a sharp contrast with panel heaters. These do require larger heating units. The DBH (Dynamic Boost Hybrid) system, which has been specially developed for Low-H<sub>2</sub>O, provides twice the heat output and enables a maximum E-Level reduction with small heating units.



Go to [jaga.com/rekenmodules](http://jaga.com/rekenmodules) and easily calculate your heat loss, EPB or ventilation flow rate according to the latest NBN EN12831-1 norm.

We will provide you, completely free of charge, with the detailed calculations and the accompanying documents!

# LOW-H<sub>2</sub>O: ENERGY AND MATERIAL EFFICIENCY COMPARISON

For 1000 Watts in case of 45/35/20 regime

JAGA LOW-H<sub>2</sub>O



H 60 cm  
L 120 cm  
B 22 cm

Steel panel heater



H 60 cm  
L 140 cm  
B 22 cm

Cast iron radiator



H 60 cm  
L 183 cm  
B 25 cm

Underfloor heating



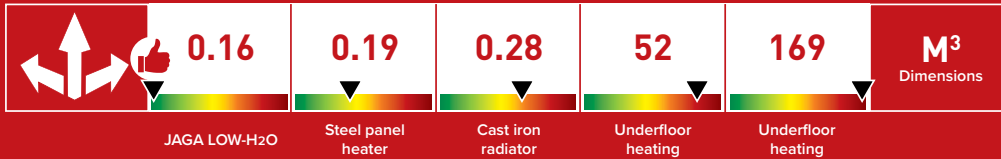
Dry system  
26 m<sup>2</sup>  
2 cm screed

Underfloor heating

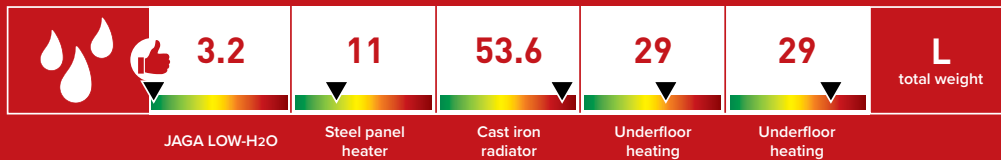


Wet system  
26 m<sup>2</sup>  
6.5 cm screed

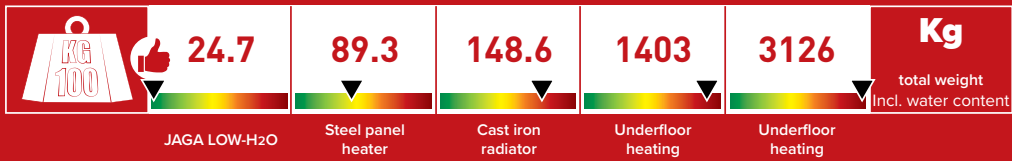
## THE LOW-H<sub>2</sub>O RADIATOR IS SMALLER



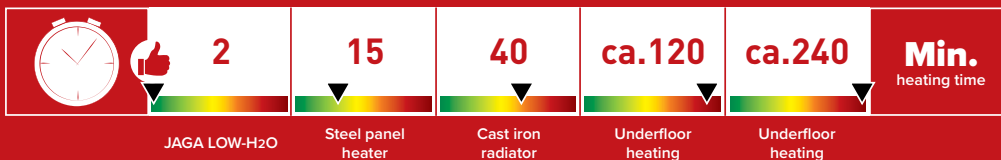
## THE LOW-H<sub>2</sub>O RADIATOR CONTAINS FAR LESS WATER



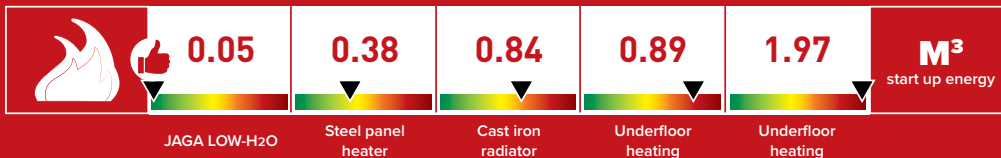
## THE LOW-H<sub>2</sub>O RADIATOR IS MUCH LIGHTER



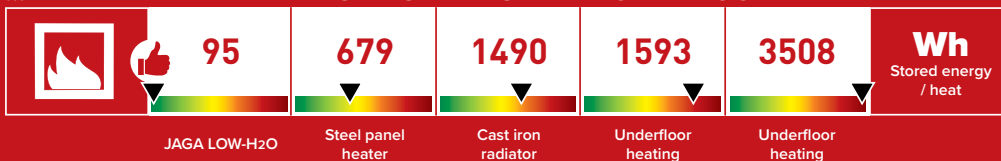
## THE LOW-H<sub>2</sub>O RADIATOR REACTS MUCH FASTER



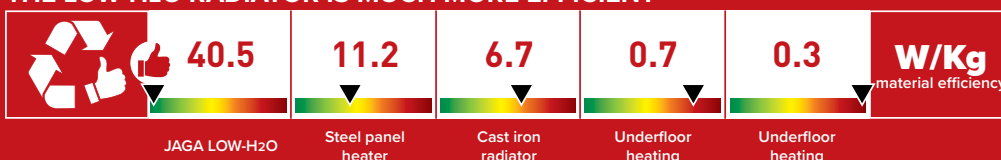
## THE LOW-H<sub>2</sub>O RADIATOR REQUIRES MUCH LESS ENERGY TO HEAT UP...



## ...AND IMMEDIATELY TRANSFERS ALL ITS HEAT TO THE ROOM



## THE LOW-H<sub>2</sub>O RADIATOR IS MUCH MORE EFFICIENT



# jaga

CLIMATE DESIGNERS

## STRADA

Warm power,  
cutting-edge design

- Discreet slim-line design with flat front panel and stylish aluminium grille.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



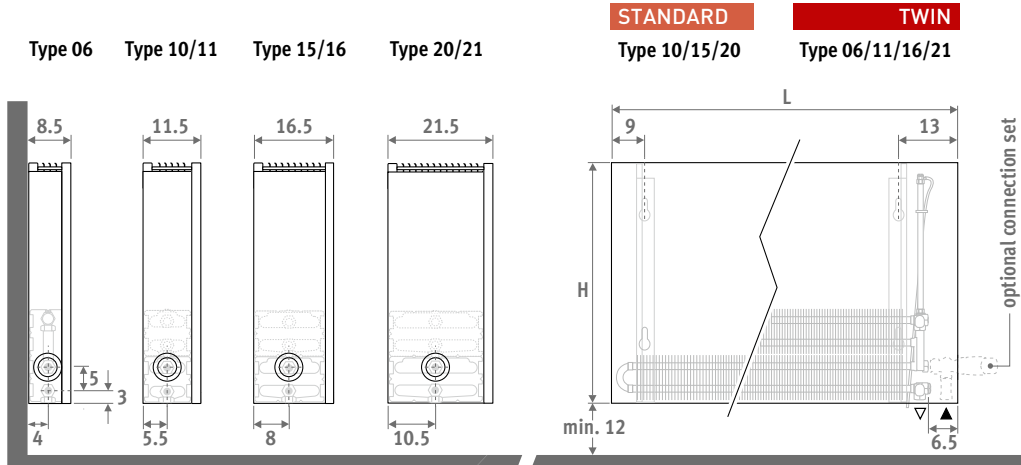
design award  
winner





STRADA

## DIMENSIONS (in cm)



## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets, fixing kit, extended air vent 1/8" and drain plug 1/2"
- partially pre-mounted casing for connection left or right at low level
- cover plate in stainless steel effect for the side panel at the opposite end from the valve

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection:

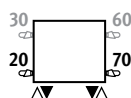
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)

Ex. STRW.035 050 06.xxx/60

High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.

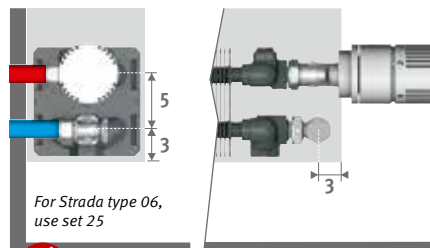
Ex. STRW.035 050 06.xxx/00

For valve set prices see chapter "Connection sets & valves"

## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

### CODE 2-PIPE

	COLO.SW2.AW.4...	81
	COLO.SW2.JW.4...	88

fill in sleeve coupling code

Precision metal tube 15/1 115

Precision metal tube 16/1 116

RPE/ALU tube 16/2 616

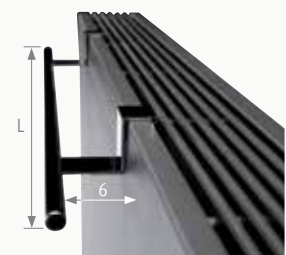
RPE/ALU tube 20/2 620

## ORDERING CODE

code	height	length	type	colour
STRW .	020	050	10 .	XXX
fill in colour code ↓				

## TOWEL RAIL

in chrome-plated aluminium



CODE	L	€
5501.001	56	277
5501.002	66	277





# H020 - STRADA

STRW.020 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	269	130	236	345
	10	328	158	212	321	---	---	---	---	---
	15	545	263	251	360	---	---	---	---	---
	20	766	370	290	399	---	---	---	---	---
060	---	---	---	---	---	06	323	156	251	360
	10	393	189	227	336	---	---	---	---	---
	15	654	316	271	380	---	---	---	---	---
	20	919	444	314	423	---	---	---	---	---
070	---	---	---	---	---	06	377	182	279	388
	10	459	221	255	364	---	---	---	---	---
	15	763	369	305	414	---	---	---	---	---
	20	1072	518	363	472	---	---	---	---	---
080	---	---	---	---	---	06	430	207	296	405
	10	524	252	272	381	---	---	---	---	---
	15	872	421	332	441	---	---	---	---	---
	20	1226	592	392	501	---	---	---	---	---
090	---	---	---	---	---	06	484	234	311	420
	10	590	284	286	395	---	---	---	---	---
	15	981	474	352	461	---	---	---	---	---
	20	1379	666	417	526	---	---	---	---	---
100	---	---	---	---	---	06	538	260	334	507
	10	655	316	310	483	---	---	---	---	---
	15	1090	526	382	555	---	---	---	---	---
	20	1532	740	458	631	---	---	---	---	---
110	---	---	---	---	---	06	592	286	352	525
	10	721	347	326	499	---	---	---	---	---
	15	1199	579	404	577	---	---	---	---	---
	20	1685	814	490	663	---	---	---	---	---
120	---	---	---	---	---	06	646	312	375	548
	10	786	379	352	525	---	---	---	---	---
	15	1308	632	437	610	---	---	---	---	---
	20	1838	888	535	708	---	---	---	---	---
140	---	---	---	---	---	06	753	363	406	579
	10	917	442	382	555	---	---	---	---	---
	15	1526	737	478	651	---	---	---	---	---
	20	2145	1036	614	787	---	---	---	---	---
160	---	---	---	---	---	06	861	415	477	650
	10	1048	505	453	626	---	---	---	---	---
	15	1744	842	574	747	---	---	---	---	---
	20	2451	1184	732	905	---	---	---	---	---
180	---	---	---	---	---	06	968	467	515	688
	10	1179	568	492	665	---	---	---	---	---
	15	1962	948	624	797	---	---	---	---	---
	20	2758	1332	794	967	---	---	---	---	---
200	---	---	---	---	---	06	1076	519	559	861
	10	1310	631	535	837	---	---	---	---	---
	15	2180	1053	714	1016	---	---	---	---	---
	20	3064	1480	868	1170	---	---	---	---	---
240	---	---	---	---	---	06	1291	623	700	1002
	10	1572	757	672	974	---	---	---	---	---
	15	2616	1264	893	1195	---	---	---	---	---
	20	3677	1776	1090	1392	---	---	---	---	---
280	---	---	---	---	---	06	1506	727	785	1087
	10	1834	884	755	1057	---	---	---	---	---
	15	3052	1474	1007	1309	---	---	---	---	---
	20	4290	2072	1229	1531	---	---	---	---	---

EN442 output at 20°C room temperature

# STRADA H035

STRW.035 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	395	192	307	416
	10	449	218	236	345	11	598	284	353	462
	15	735	358	275	384	16	797	375	414	523
	20	1030	502	314	423	21	1057	494	444	553
060	---	---	---	---	---	06	474	231	331	440
	10	539	262	253	362	11	718	341	377	486
	15	882	430	295	404	16	956	450	445	554
	20	1236	603	339	448	21	1268	593	479	588
070	---	---	---	---	---	06	553	269	366	475
	10	629	305	281	390	11	837	398	421	530
	15	1029	502	332	441	16	1115	525	503	612
	20	1442	703	389	498	21	1480	692	551	660
080	---	---	---	---	---	06	632	308	387	496
	10	718	348	297	406	11	957	455	447	556
	15	1176	573	360	469	16	1274	600	541	650
	20	1648	803	421	530	21	1691	790	594	703
090	---	---	---	---	---	06	711	346	409	518
	10	808	392	317	426	11	1076	511	470	579
	15	1323	645	381	490	16	1434	675	578	687
	20	1854	904	449	558	21	1903	889	631	740
100	---	---	---	---	---	06	790	385	439	612
	10	898	436	339	512	11	1196	568	508	681
	15	1470	717	413	586	16	1593	750	628	801
	20	2060	1004	491	664	21	2114	988	693	866
110	---	---	---	---	---	06	869	423	461	634
	10	988	479	357	530	11	1316	625	535	708
	15	1617	788	435	608	16	1752	825	661	834
	20	2266	1105	521	694	21	2325	1086	736	909
120	---	---	---	---	---	06	948	461	489	662
	10	1078	523	382	555	11	1435	682	567	740
	15	1764	860	470	643	16	1912	900	708	881
	20	2472	1205	567	740	21	2537	1186	794	967
140	---	---	---	---	---	06	1106	538	536	709
	10	1257	610	422	595	11	1674	795	627	800
	15	2058	1003	518	691	16	2230	1050	785	958
	20	2884	1406	655	828	21	2960	1383	929	1102
160	---	---	---	---	---	06	1264	615	627	800
	10	1437	697	496	669	11	1914	909	734	907
	15	2352	1147	615	788	16	2549	1200	930	1103
	20	3296	1607	776	949	21	3382	1580	1098	1271
180	---	---	---	---	---	06	1422	692	675	848
	10	1616	784	537	710	11	2153	1023	792	965
	15	2646	1290	670	843	16	2867	1349	1010	1183
	20	3708	1808	841	1014	21	3805	1778	1190	1363
200	---	---	---	---	---	06	1580	769	731	1033
	10	1796	872	583	885	11	2392	1136	855	1157
	15	2940	1433	762	1064	16	3186	1500	1150	1452
	20	4120	2009	916	1218	21	4228	1976	1290	1592
240	---	---	---	---	---	06	1896	923	911	1213
	10	2155	1046	731	1033	11	2870	1363	1065	1367
	15	3528	1720	951	1253	16	3823	1799	1432	1734
	20	4944	2410	1149	1451	21	5074	2371	1612	1914
280	---	---	---	---	---	06	2212	1077	1018	1320
	10	2514	1220	819	1121	11	3349	1591	1190	1492
	15	4116	2007	1069	1371	16	4460	2099	1605	1907
	20	5768	2812	1296	1598	21	5919	2766	1815	2117

EN442 output at 20°C room temperature

# H 050 - STRADA

STRW.050 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	474	233	321	430
	10	538	263	249	358	11	693	330	368	477
	15	867	426	293	402	16	949	445	432	541
	20	1213	597	336	445	21	1291	599	464	573
	---	---	---	---	---	06	568	279	342	451
060	10	646	316	269	378	11	832	396	394	503
	15	1040	511	315	424	16	1139	534	462	571
	20	1455	716	363	472	21	1549	719	501	610
	---	---	---	---	---	06	663	326	381	490
	10	753	368	297	406	11	970	461	440	549
070	15	1214	597	353	462	16	1329	624	523	632
	20	1698	835	414	523	21	1807	839	577	686
	---	---	---	---	---	06	758	373	406	515
	10	861	421	318	427	11	1109	527	468	577
	15	1387	682	381	490	16	1518	712	564	673
080	20	1940	954	447	556	21	2066	959	620	729
	---	---	---	---	---	06	852	419	425	534
	10	968	473	335	444	11	1247	593	492	601
	15	1561	768	406	515	16	1708	801	600	709
	20	2183	1074	475	584	21	2324	1079	659	768
100	---	---	---	---	---	06	947	466	457	630
	10	1076	526	360	533	11	1386	659	531	704
	15	1734	853	437	610	16	1898	891	651	824
	20	2425	1193	518	691	21	2582	1198	721	894
	---	---	---	---	---	06	1042	513	480	653
110	10	1184	579	380	553	11	1525	725	557	730
	15	1907	938	462	635	16	2088	980	688	861
	20	2668	1312	551	724	21	2840	1318	767	940
	---	---	---	---	---	06	1136	559	510	683
	10	1291	631	408	581	11	1663	791	592	765
120	15	2081	1023	498	671	16	2278	1069	734	907
	20	2910	1431	599	772	21	3098	1438	827	1000
	---	---	---	---	---	06	1326	652	562	735
	10	1506	736	449	622	11	1940	923	656	829
	15	2428	1194	551	724	16	2657	1247	815	988
140	20	3395	1670	692	865	21	3615	1678	966	1139
	---	---	---	---	---	06	1515	745	658	831
	10	1722	842	530	703	11	2218	1055	768	941
	15	2774	1364	654	827	16	3037	1425	966	1139
	20	3880	1908	817	990	21	4131	1917	1140	1313
160	---	---	---	---	---	06	1705	839	708	881
	10	1937	947	571	744	11	2495	1187	829	1002
	15	3121	1535	710	883	16	3416	1603	1050	1223
	20	4365	2147	886	1059	21	4648	2157	1233	1406
	---	---	---	---	---	06	1894	932	766	1068
200	10	2152	1052	621	923	11	2772	1318	895	1197
	15	3468	1706	806	1108	16	3796	1781	1191	1493
	20	4850	2385	964	1266	21	5164	2397	1338	1640
	---	---	---	---	---	06	2273	1118	952	1254
	10	2582	1262	776	1078	11	3326	1582	1113	1415
240	15	4162	2047	1005	1307	16	4555	2137	1481	1783
	20	5820	2862	1208	1510	21	6197	2876	1670	1972
	---	---	---	---	---	06	2652	1305	1068	1370
	10	3013	1473	871	1173	11	3881	1846	1244	1546
	15	4855	2388	1128	1430	16	5314	2493	1661	1963
280	20	6790	3339	1356	1658	21	7230	3356	1879	2181

EN442 output at 20°C room temperature

# STRADA H065

STRW.065 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	06	533	265	335	444
	10	606	298	266	375	11	772	367	385	494
	15	961	477	315	424	16	1087	508	455	564
	20	1343	667	362	471	21	1515	699	490	599
060	---	---	---	---	---	06	640	319	357	466
	10	727	358	289	398	11	926	441	413	522
	15	1153	572	337	446	16	1304	610	488	597
	20	1611	800	389	498	21	1818	839	530	639
070	---	---	---	---	---	06	746	371	398	507
	10	848	417	319	428	11	1080	514	459	568
	15	1345	668	377	486	16	1521	711	548	657
	20	1880	933	443	552	21	2121	978	602	711
080	---	---	---	---	---	06	853	425	423	532
	10	969	477	339	448	11	1234	587	490	599
	15	1538	763	408	517	16	1738	813	591	700
	20	2148	1066	476	585	21	2424	1118	648	757
090	---	---	---	---	---	06	959	477	445	554
	10	1090	537	357	466	11	1389	661	515	624
	15	1730	859	432	541	16	1956	915	627	736
	20	2417	1200	507	616	21	2727	1258	689	798
100	---	---	---	---	---	06	1066	531	476	649
	10	1211	596	383	556	11	1543	734	554	727
	15	1922	954	464	637	16	2173	1016	678	851
	20	2685	1333	549	722	21	3030	1398	751	924
110	---	---	---	---	---	06	1173	584	501	674
	10	1332	656	404	577	11	1697	807	582	755
	15	2114	1049	491	664	16	2390	1118	715	888
	20	2954	1466	583	756	21	3333	1537	798	971
120	---	---	---	---	---	06	1279	637	534	707
	10	1453	715	434	607	11	1852	881	621	794
	15	2306	1145	530	703	16	2608	1220	766	939
	20	3222	1599	635	808	21	3636	1677	858	1031
140	---	---	---	---	---	06	1492	743	587	760
	10	1695	835	479	652	11	2160	1028	688	861
	15	2691	1336	586	759	16	3042	1423	853	1026
	20	3759	1866	734	907	21	4242	1957	1007	1180
160	---	---	---	---	---	06	1706	849	689	862
	10	1938	954	564	737	11	2469	1175	805	978
	15	3075	1526	692	865	16	3477	1626	1008	1181
	20	4296	2133	866	1039	21	4848	2236	1184	1357
180	---	---	---	---	---	06	1919	955	740	913
	10	2180	1073	610	783	11	2777	1321	868	1041
	15	3460	1718	753	926	16	3911	1829	1092	1265
	20	4833	2399	935	1108	21	5454	2516	1281	1454
200	---	---	---	---	---	06	2132	1061	803	1105
	10	2422	1192	661	963	11	3086	1468	936	1238
	15	3844	1908	851	1153	16	4346	2033	1238	1540
	20	5370	2666	1015	1317	21	6060	2795	1388	1690
240	---	---	---	---	---	06	2558	1273	996	1298
	10	2906	1431	827	1129	11	3703	1762	1163	1465
	15	4613	2290	1057	1359	16	5215	2439	1540	1842
	20	6444	3199	1270	1572	21	7272	3355	1730	2032
280	---	---	---	---	---	06	2985	1486	1117	1419
	10	3391	1669	927	1229	11	4320	2056	1301	1603
	15	5382	2672	1187	1489	16	6084	2846	1724	2026
	20	7518	3732	1427	1729	21	8484	3914	1944	2246

EN442 output at 20°C room temperature

# H095 - STRADA

STRW.095 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
060	---	---	---	---	---	06	736	375	384	493
	10	836	418	317	426	11	1078	514	441	550
	15	1288	651	373	482	16	1606	747	521	630
	20	1795	907	423	532	21	2352	1071	563	672
	---	---	---	---	---	---	---	---	---	---
070	---	---	---	---	---	06	858	437	425	534
	10	975	487	350	459	11	1257	599	490	599
	15	1502	759	413	522	16	1874	871	586	695
	20	2094	1058	477	586	21	2744	1250	639	748
	---	---	---	---	---	---	---	---	---	---
080	---	---	---	---	---	06	981	499	455	564
	10	1114	556	373	482	11	1437	685	522	631
	15	1717	868	448	557	16	2142	996	631	740
	20	2394	1210	516	625	21	3136	1428	689	798
	---	---	---	---	---	---	---	---	---	---
090	---	---	---	---	---	06	1103	561	478	587
	10	1254	626	395	504	11	1616	770	549	658
	15	1931	976	475	584	16	2409	1120	671	780
	20	2693	1361	547	656	21	3528	1607	732	841
	---	---	---	---	---	---	---	---	---	---
100	---	---	---	---	---	06	1226	624	517	690
	10	1393	696	425	598	11	1796	856	597	770
	15	2146	1085	515	688	16	2677	1244	729	902
	20	2992	1512	598	771	21	3920	1785	801	974
	---	---	---	---	---	---	---	---	---	---
110	---	---	---	---	---	06	1349	686	547	720
	10	1532	765	452	625	11	1976	942	629	802
	15	2361	1193	544	717	16	2945	1369	769	942
	20	3291	1664	636	809	21	4312	1964	852	1025
	---	---	---	---	---	---	---	---	---	---
120	---	---	---	---	---	06	1471	749	580	753
	10	1672	835	482	655	11	2155	1027	669	842
	15	2575	1302	583	756	16	3212	1493	823	996
	20	3590	1815	688	861	21	4704	2142	915	1088
	---	---	---	---	---	---	---	---	---	---
140	---	---	---	---	---	06	1716	873	644	817
	10	1950	974	538	711	11	2514	1198	747	920
	15	3004	1518	655	828	16	3748	1742	921	1094
	20	4189	2117	800	973	21	5488	2499	1074	1247
	---	---	---	---	---	---	---	---	---	---

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## LINEA PLUS

Warm power, slim line

- A Jaga classic with timeless design, the first award winning radiator ever !
- Discreet, slim-line design with perforated and curved grille .
- Clean and simple, flat front panel.
- Partially pre-assembled for quick installation.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



Also available as freestanding model for glazed façades. See page 148 .



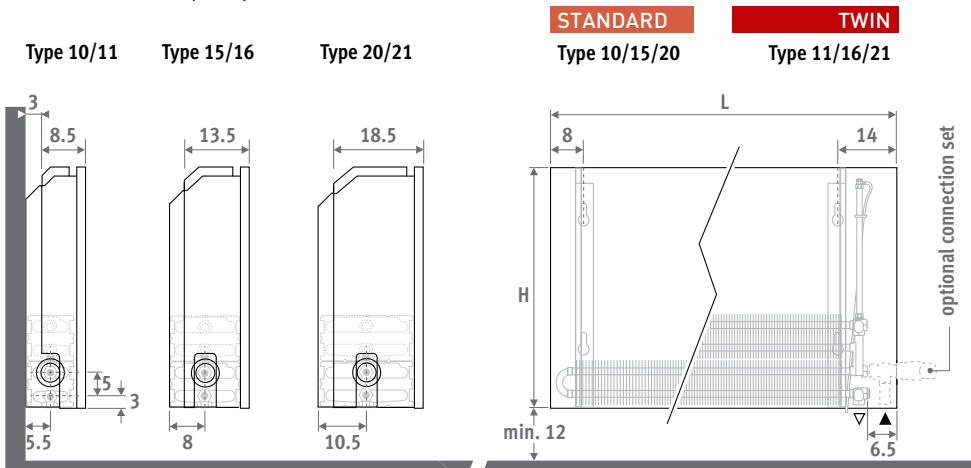


LINEA PLUS

# LINEA PLUS



## DIMENSIONS (in cm)



## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or automatic air vent (twin) 1/8" and drain plug 1/2"
- partially pre-mounted casing for connection left or right at low level

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection:

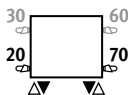
Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)

Ex. LINW.035 050 10.xxx/60

High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.

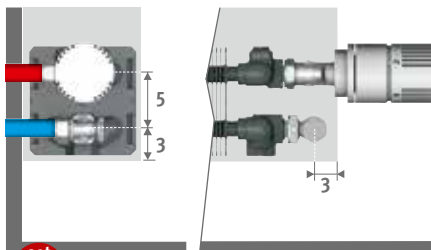
Ex. LINW.035 050 10.xxx/00

For valve set prices see chapter "Connection sets & valves"

## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

### CODE 2-PIPE



COLO.SW2.JC.4...

104



COLO.SW2.JW.4...

88

fill in sleeve coupling code

Precision metal tube 15/1 115

Precision metal tube 16/1 116

RPE/ALU tube 16/2 616

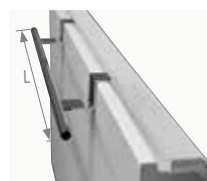
RPE/ALU tube 20/2 620

## ORDERING CODE

code	height	length	type	colour
LINW .	020	050	10 .	XXX
<i>fill in colour code</i>				

## TOWEL RAILS

Chrome-plated alu.



Chrome-plated alu.	L	€
5501.001	56	277
5501.002	66	277

## Other connections:

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.



Also available as freestanding model for glazed façades. See page 148.



# H020 - LINEA PLUS

LINW.020 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	284	135	182	291	---	---	---	---	---
	15	519	249	218	327	---	---	---	---	---
	20	697	334	253	362	---	---	---	---	---
060	10	341	162	198	307	---	---	---	---	---
	15	623	298	236	345	---	---	---	---	---
	20	836	400	275	384	---	---	---	---	---
070	10	398	189	219	328	---	---	---	---	---
	15	727	348	266	375	---	---	---	---	---
	20	976	467	317	426	---	---	---	---	---
080	10	454	216	238	347	---	---	---	---	---
	15	830	398	289	398	---	---	---	---	---
	20	1115	534	341	450	---	---	---	---	---
090	10	511	243	249	358	---	---	---	---	---
	15	934	447	307	416	---	---	---	---	---
	20	1255	601	365	474	---	---	---	---	---
100	10	568	270	271	444	---	---	---	---	---
	15	1038	497	335	508	---	---	---	---	---
	20	1394	667	404	577	---	---	---	---	---
110	10	625	298	285	458	---	---	---	---	---
	15	1142	547	355	528	---	---	---	---	---
	20	1533	734	428	601	---	---	---	---	---
120	10	682	325	304	477	---	---	---	---	---
	15	1246	597	381	554	---	---	---	---	---
	20	1673	801	461	634	---	---	---	---	---
140	10	795	378	333	506	---	---	---	---	---
	15	1453	696	419	592	---	---	---	---	---
	20	1952	935	539	712	---	---	---	---	---
160	10	909	433	396	569	---	---	---	---	---
	15	1661	796	501	674	---	---	---	---	---
	20	2230	1068	644	817	---	---	---	---	---
180	10	1022	487	430	603	---	---	---	---	---
	15	1868	895	549	722	---	---	---	---	---
	20	2509	1201	702	875	---	---	---	---	---
200	10	1136	541	468	770	---	---	---	---	---
	15	2076	994	628	930	---	---	---	---	---
	20	2788	1335	765	1067	---	---	---	---	---
220	10	1250	595	545	847	---	---	---	---	---
	15	2284	1094	731	1033	---	---	---	---	---
	20	3067	1468	890	1192	---	---	---	---	---
240	10	1363	649	586	888	---	---	---	---	---
	15	2491	1193	786	1088	---	---	---	---	---
	20	3346	1602	959	1261	---	---	---	---	---
260	10	1477	703	624	926	---	---	---	---	---
	15	2699	1293	835	1137	---	---	---	---	---
	20	3624	1735	1021	1323	---	---	---	---	---
280	10	1590	757	658	960	---	---	---	---	---
	15	2906	1392	884	1186	---	---	---	---	---
	20	3903	1869	1081	1383	---	---	---	---	---

EN442 output at 20°C room temperature

# LINEA PLUS - H035

LINW.035 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	393	189	202	311	11	549	258	317	426
	15	659	320	239	348	16	813	381	372	481
	20	901	437	275	384	21	1039	483	397	506
060	10	471	226	217	326	11	659	310	336	445
	15	790	384	256	365	16	975	457	399	508
	20	1081	525	297	406	21	1247	580	430	539
070	10	550	264	243	352	11	769	362	378	487
	15	922	448	289	398	16	1138	534	455	564
	20	1261	612	340	449	21	1455	677	495	604
080	10	628	302	259	368	11	878	413	403	512
	15	1054	512	312	421	16	1300	610	491	600
	20	1441	699	369	478	21	1662	773	535	644
090	10	707	340	275	384	11	988	465	424	533
	15	1185	575	334	443	16	1463	686	522	631
	20	1621	787	395	504	21	1870	870	571	680
100	10	785	377	296	469	11	1098	516	459	632
	15	1317	639	363	536	16	1625	762	571	744
	20	1801	874	433	606	21	2078	967	629	802
110	10	864	415	312	485	11	1208	568	484	657
	15	1449	704	382	555	16	1788	839	602	775
	20	1981	961	459	632	21	2286	1063	668	841
120	10	942	452	336	509	11	1318	620	518	691
	15	1580	767	413	586	16	1950	915	648	821
	20	2161	1049	496	669	21	2494	1160	718	891
140	10	1099	528	368	541	11	1537	723	564	737
	15	1844	895	455	628	16	2275	1067	713	886
	20	2521	1223	579	752	21	2909	1353	840	1013
160	10	1256	603	434	607	11	1757	826	664	837
	15	2107	1023	540	713	16	2600	1219	847	1020
	20	2882	1399	688	861	21	3325	1547	996	1169
180	10	1413	679	473	646	11	1976	929	720	893
	15	2371	1151	592	765	16	2925	1372	923	1096
	20	3242	1573	749	922	21	3740	1740	1086	1259
200	10	1570	754	513	815	11	2196	1033	776	1078
	15	2634	1279	673	975	16	3250	1524	1053	1355
	20	3602	1748	812	1114	21	4156	1933	1174	1476
220	10	1727	829	594	896	11	2416	1136	896	1198
	15	2897	1407	780	1082	16	3575	1677	1217	1519
	20	3962	1923	941	1243	21	4572	2127	1358	1660
240	10	1884	905	641	943	11	2635	1239	966	1268
	15	3161	1535	841	1143	16	3900	1829	1309	1611
	20	4322	2097	1018	1320	21	4987	2320	1467	1769
260	10	2041	980	681	983	11	2855	1342	1025	1327
	15	3424	1662	892	1194	16	4225	1981	1390	1692
	20	4683	2272	1085	1387	21	5403	2513	1560	1862
280	10	2198	1056	719	1021	11	3074	1445	1080	1382
	15	3688	1791	944	1246	16	4550	2134	1468	1770
	20	5043	2447	1147	1449	21	5818	2706	1650	1952

EN442 output at 20°C room temperature

# H050 - LINEA PLUS

LINW.050 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	482	234	218	327	11	655	309	332	441
	15	767	377	256	365	16	976	458	389	498
	20	1060	521	295	404	21	1282	595	417	526
060	10	578	280	234	343	11	785	370	353	462
	15	920	453	276	385	16	1171	550	417	526
	20	1272	626	320	429	21	1538	714	453	562
070	10	675	327	260	369	11	916	432	396	505
	15	1073	528	310	419	16	1366	641	475	584
	20	1484	730	365	474	21	1795	833	519	628
080	10	771	374	279	388	11	1047	494	422	531
	15	1226	603	335	444	16	1561	733	513	622
	20	1696	834	395	504	21	2051	952	560	669
090	10	868	421	295	404	11	1178	555	445	554
	15	1380	679	357	466	16	1756	824	544	653
	20	1908	938	421	530	21	2308	1071	597	706
100	10	964	467	318	491	11	1309	617	480	653
	15	1533	754	385	558	16	1951	916	594	767
	20	2120	1043	459	632	21	2564	1189	656	829
110	10	1060	514	335	508	11	1440	679	507	680
	15	1686	830	410	583	16	2146	1007	627	800
	20	2332	1147	489	662	21	2820	1308	697	870
120	10	1157	561	363	536	11	1571	741	544	717
	15	1840	905	444	617	16	2341	1099	676	849
	20	2544	1251	531	704	21	3077	1427	751	924
140	10	1350	654	397	570	11	1833	864	594	767
	15	2146	1056	489	662	16	2731	1282	745	918
	20	2968	1460	614	787	21	3590	1665	876	1049
160	10	1542	747	468	641	11	2094	987	699	872
	15	2453	1207	579	752	16	3122	1466	882	1055
	20	3392	1668	728	901	21	4102	1903	1038	1211
180	10	1735	841	508	681	11	2356	1111	755	928
	15	2759	1358	631	804	16	3512	1649	960	1133
	20	3816	1877	792	965	21	4615	2141	1129	1302
200	10	1928	934	551	853	11	2618	1234	814	1116
	15	3066	1509	715	1017	16	3902	1832	1094	1396
	20	4240	2085	857	1159	21	5128	2379	1221	1523
220	10	2121	1028	636	938	11	2880	1358	938	1240
	15	3373	1660	826	1128	16	4292	2015	1259	1561
	20	4664	2294	991	1293	21	5641	2617	1408	1710
240	10	2314	1121	688	990	11	3142	1481	1012	1314
	15	3679	1810	892	1194	16	4682	2198	1356	1658
	20	5088	2502	1074	1376	21	6154	2855	1523	1825
260	10	2506	1214	732	1034	11	3403	1604	1075	1377
	15	3986	1961	948	1250	16	5073	2382	1440	1742
	20	5512	2711	1143	1445	21	6666	3092	1620	1922
280	10	2699	1308	771	1073	11	3665	1728	1133	1435
	15	4292	2112	1000	1302	16	5463	2565	1523	1825
	20	5936	2919	1209	1511	21	7179	3330	1713	2015

EN442 output at 20°C room temperature

# LINEA PLUS - H065

LINW.065 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	10	561	274	236	345	11	742	351	346	455
	15	858	428	276	385	16	1114	524	410	519
	20	1196	596	319	428	21	1503	696	440	549
060	10	673	329	251	360	11	890	421	371	480
	15	1029	513	296	405	16	1336	628	440	549
	20	1435	715	343	452	21	1803	835	475	584
070	10	785	384	279	388	11	1038	491	414	523
	15	1201	599	333	442	16	1559	733	498	607
	20	1674	834	391	500	21	2104	974	544	653
080	10	897	438	300	409	11	1186	561	444	553
	15	1372	685	360	469	16	1782	838	537	646
	20	1913	953	422	531	21	2404	1113	586	695
090	10	1009	493	318	427	11	1335	631	465	574
	15	1544	770	381	490	16	2004	942	571	680
	20	2152	1072	449	558	21	2705	1252	624	733
100	10	1121	548	339	512	11	1483	701	503	676
	15	1715	856	412	585	16	2227	1047	621	794
	20	2391	1191	490	663	21	3005	1391	686	859
110	10	1233	603	360	533	11	1631	771	531	704
	15	1887	942	435	608	16	2450	1152	655	828
	20	2630	1310	517	690	21	3306	1531	725	898
120	10	1345	657	392	565	11	1780	841	575	748
	15	2058	1027	475	648	16	2672	1256	710	883
	20	2869	1429	566	739	21	3606	1669	789	962
140	10	1569	767	426	599	11	2076	981	623	796
	15	2401	1198	521	694	16	3118	1466	780	953
	20	3347	1668	654	827	21	4207	1948	915	1088
160	10	1794	877	501	674	11	2373	1122	733	906
	15	2744	1369	616	789	16	3563	1675	921	1094
	20	3826	1906	770	943	21	4808	2226	1080	1253
180	10	2018	986	544	717	11	2669	1261	792	965
	15	3087	1540	672	845	16	4009	1885	1005	1178
	20	4304	2144	836	1009	21	5409	2504	1173	1346
200	10	2242	1096	591	893	11	2966	1402	855	1157
	15	3430	1712	760	1062	16	4454	2094	1138	1440
	20	4782	2382	907	1209	21	6010	2782	1268	1570
220	10	2466	1205	678	980	11	3263	1542	981	1283
	15	3773	1883	872	1174	16	4899	2303	1309	1611
	20	5260	2621	1043	1345	21	6611	3061	1461	1763
240	10	2690	1315	736	1038	11	3559	1682	1059	1361
	15	4116	2054	945	1247	16	5345	2513	1413	1715
	20	5738	2859	1132	1434	21	7212	3339	1581	1883
260	10	2915	1425	782	1084	11	3856	1822	1127	1429
	15	4459	2225	1004	1306	16	5790	2722	1500	1802
	20	6217	3097	1205	1507	21	7813	3617	1681	1983
280	10	3139	1534	826	1128	11	4152	1962	1187	1489
	15	4802	2396	1058	1360	16	6236	2932	1585	1887
	20	6695	3336	1272	1574	21	8414	3895	1775	2077

EN442 output at 20°C room temperature

# H095 - LINEA PLUS

LINW.095 LLL TT.XXX

L	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
050	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---
060	10	838	417	281	390	11	1055	501	399	508
	15	1210	620	333	442	16	1608	758	475	584
	20	1706	873	378	487	21	2290	1055	510	619
070	10	977	486	310	419	11	1231	585	445	554
	15	1411	723	369	478	16	1876	884	536	645
	20	1991	1019	425	534	21	2671	1231	580	689
080	10	1117	556	334	443	11	1406	668	476	585
	15	1613	827	399	508	16	2144	1011	578	687
	20	2275	1164	461	570	21	3053	1407	627	736
090	10	1256	625	353	462	11	1582	751	502	611
	15	1814	930	424	533	16	2412	1137	614	723
	20	2560	1310	491	600	21	3434	1582	668	777
100	10	1396	695	382	555	11	1758	835	547	720
	15	2016	1033	461	634	16	2680	1263	670	843
	20	2844	1456	537	710	21	3816	1758	733	906
110	10	1536	764	406	579	11	1934	918	577	750
	15	2218	1137	490	663	16	2948	1390	708	881
	20	3128	1601	570	743	21	4198	1934	778	951
120	10	1675	834	441	614	11	2110	1002	623	796
	15	2419	1240	535	708	16	3216	1516	769	942
	20	3413	1747	624	797	21	4579	2110	847	1020
140	10	1954	973	486	659	11	2461	1169	682	855
	15	2822	1447	589	762	16	3752	1769	847	1020
	20	3982	2038	719	892	21	5342	2462	981	1154

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## TEMPO

Warm power, simple style

- The benchmark Jaga Energy Saver – always ahead of its time – the classic among the wall radiators.
- Easy to assemble casing featuring the sectional front panel design.
- Compact and practical packaging.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as freestanding model for glazed façades. See page 142.



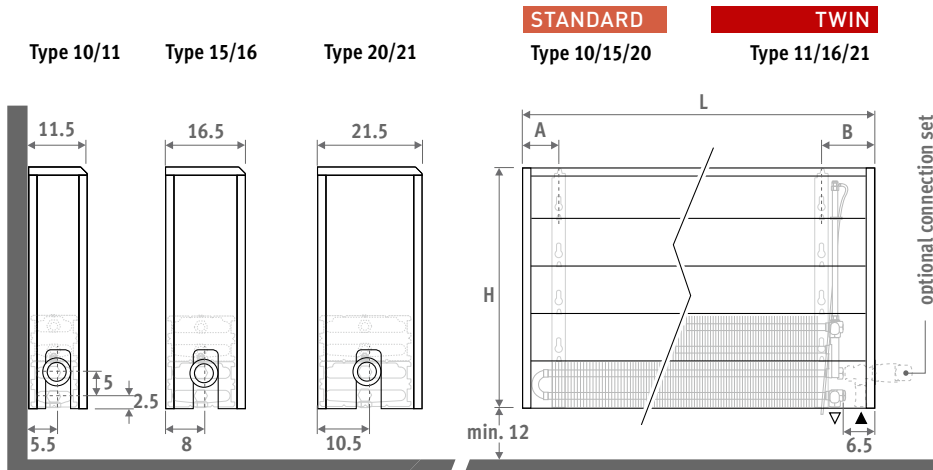


TEMPO

# TEMPO



## DIMENSIONS (in cm)



Connection	
Left	Right
A 5.0	7.5
B 13.5	11.0

## DELIVERY

Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- easy to assemble casing

## COLOUR

Scratch-resistant surface coating with a soft structured, satin gloss finish. High UV resistance.

Standard colour: white RAL 9010 (101)

## CONNECTION

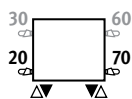
Standard connection:

Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)  
Ex. TEMW.030 040 10.101/60

High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.

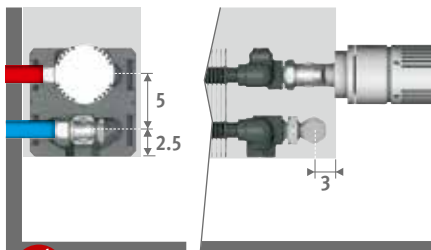
Ex. TEMW.030 040 10.101/00

For valve set prices see chapter "Connection sets & valves".

## CONNECTION SETS

To the wall, totally concealed within the casing

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

CODE 2-PIPE €

COLO.SW2.AW.4... 81

COLO.SW2.JW.4... 88

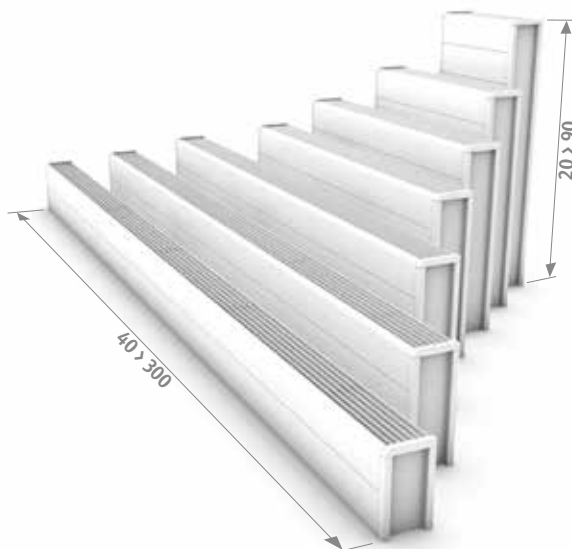
fill in sleeve coupling code	
Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

## Other connections :

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.

## ORDERING CODE

code	height	length	type	colour
TEMW .	020	040	10 .	101



Also available as freestanding model for glazed façades. See page 142.



# H020 · TEMPO

TEMW.020 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	262	126	155	---	---	---	---
	15	436	211	184	---	---	---	---
	20	613	296	215	---	---	---	---
050	10	328	158	167	---	---	---	---
	15	545	263	202	---	---	---	---
	20	766	370	238	---	---	---	---
060	10	393	189	180	---	---	---	---
	15	654	316	218	---	---	---	---
	20	919	444	259	---	---	---	---
070	10	459	221	207	---	---	---	---
	15	763	369	254	---	---	---	---
	20	1072	518	304	---	---	---	---
080	10	524	252	219	---	---	---	---
	15	872	421	273	---	---	---	---
	20	1226	592	330	---	---	---	---
090	10	590	284	234	---	---	---	---
	15	981	474	292	---	---	---	---
	20	1379	666	353	---	---	---	---
100	10	655	316	256	---	---	---	---
	15	1090	526	322	---	---	---	---
	20	1532	740	392	---	---	---	---
110	10	721	347	272	---	---	---	---
	15	1199	579	342	---	---	---	---
	20	1685	814	417	---	---	---	---
120	10	786	379	285	---	---	---	---
	15	1308	632	362	---	---	---	---
	20	1838	888	443	---	---	---	---
140	10	917	442	319	---	---	---	---
	15	1526	737	408	---	---	---	---
	20	2145	1036	529	---	---	---	---
160	10	1048	505	372	---	---	---	---
	15	1744	842	479	---	---	---	---
	20	2451	1184	626	---	---	---	---
180	10	1179	568	401	---	---	---	---
	15	1962	948	522	---	---	---	---
	20	2758	1332	678	---	---	---	---
200	10	1310	631	434	---	---	---	---
	15	2180	1053	599	---	---	---	---
	20	3064	1480	738	---	---	---	---
220	10	1441	694	498	---	---	---	---
	15	2398	1158	688	---	---	---	---
	20	3370	1628	852	---	---	---	---
240	10	1572	757	534	---	---	---	---
	15	2616	1264	738	---	---	---	---
	20	3677	1776	915	---	---	---	---
260	10	1703	820	567	---	---	---	---
	15	2834	1369	785	---	---	---	---
	20	3983	1924	975	---	---	---	---
280	10	1834	884	609	---	---	---	---
	15	3052	1474	839	---	---	---	---
	20	4290	2072	1043	---	---	---	---
300	10	1965	947	639	---	---	---	---
	15	3270	1579	884	---	---	---	---
	20	4596	2220	1100	---	---	---	---

EN442 output at 20°C room temperature

# TEMPO - H030

TEMW.030 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	330	160	165	11	448	213	271
	15	544	264	197	16	592	279	319
	20	762	370	227	21	779	365	337
050	10	413	200	179	11	561	267	292
	15	680	330	215	16	740	349	350
	20	953	463	250	21	974	456	372
060	10	496	240	195	11	673	320	311
	15	815	396	233	16	888	418	376
	20	1144	556	275	21	1169	547	406
070	10	578	280	220	11	785	373	356
	15	951	462	270	16	1036	488	435
	20	1334	648	320	21	1364	639	474
080	10	661	320	236	11	897	426	378
	15	1087	528	289	16	1184	558	465
	20	1525	741	343	21	1558	730	510
090	10	743	360	250	11	1009	479	399
	15	1223	594	309	16	1332	628	498
	20	1715	834	371	21	1753	821	545
100	10	826	400	275	11	1121	533	439
	15	1359	660	339	16	1480	697	548
	20	1906	926	411	21	1948	912	607
110	10	909	440	291	11	1233	586	461
	15	1495	727	364	16	1628	767	582
	20	2097	1019	439	21	2143	1003	646
120	10	991	480	302	11	1345	639	482
	15	1631	793	381	16	1776	837	614
	20	2287	1112	463	21	2338	1095	682
140	10	1156	560	341	11	1569	745	539
	15	1903	925	432	16	2072	976	689
	20	2668	1297	554	21	2727	1277	815
160	10	1322	640	397	11	1794	852	627
	15	2174	1057	508	16	2368	1116	812
	20	3050	1482	654	21	3117	1460	964
180	10	1487	720	430	11	2018	959	677
	15	2446	1189	553	16	2664	1255	882
	20	3431	1668	710	21	3506	1642	1048
200	10	1652	800	468	11	2242	1065	732
	15	2718	1321	631	16	2960	1395	1011
	20	3812	1853	771	21	3896	1824	1133
220	10	1817	880	533	11	2466	1172	834
	15	2990	1453	722	16	3256	1534	1159
	20	4193	2038	888	21	4286	2007	1305
240	10	1982	960	571	11	2690	1278	895
	15	3262	1585	776	16	3552	1674	1243
	20	4574	2223	953	21	4675	2189	1402
260	10	2148	1040	607	11	2915	1385	950
	15	3533	1717	827	16	3848	1813	1321
	20	4956	2409	1017	21	5065	2372	1495
280	10	2313	1120	652	11	3139	1491	1013
	15	3805	1849	884	16	4144	1953	1406
	20	5337	2594	1088	21	5454	2554	1593
300	10	2478	1200	686	11	3363	1598	1065
	15	4077	1981	929	16	4440	2092	1478
	20	5718	2779	1146	21	5844	2736	1680

EN442 output at 20°C room temperature

# H040 · TEMPO

TEMW.040 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	385	187	177	11	506	241	281
	15	627	306	211	16	680	320	334
	20	878	429	243	21	910	424	354
050	10	482	234	193	11	632	300	302
	15	784	383	230	16	850	400	364
	20	1098	537	266	21	1137	530	387
060	10	578	281	205	11	758	360	323
	15	941	460	249	16	1020	480	394
	20	1318	645	291	21	1364	636	423
070	10	674	328	236	11	885	421	371
	15	1098	537	287	16	1190	560	454
	20	1537	752	338	21	1592	742	493
080	10	770	375	250	11	1011	481	394
	15	1254	613	307	16	1360	639	486
	20	1757	859	364	21	1819	848	531
090	10	867	422	266	11	1138	541	416
	15	1411	690	330	16	1530	719	518
	20	1976	966	392	21	2047	954	567
100	10	963	469	292	11	1264	601	456
	15	1568	766	362	16	1700	799	570
	20	2196	1074	433	21	2274	1060	629
110	10	1059	515	310	11	1390	661	479
	15	1725	843	385	16	1870	879	607
	20	2416	1182	462	21	2501	1166	670
120	10	1156	562	323	11	1517	721	502
	15	1882	920	406	16	2040	959	637
	20	2635	1289	489	21	2729	1272	706
140	10	1348	656	365	11	1770	841	562
	15	2195	1073	461	16	2380	1119	719
	20	3074	1503	582	21	3184	1484	846
160	10	1541	750	422	11	2022	961	652
	15	2509	1226	538	16	2720	1279	845
	20	3514	1718	686	21	3638	1696	994
180	10	1733	843	458	11	2275	1081	705
	15	2822	1379	586	16	3060	1439	917
	20	3953	1933	745	21	4093	1908	1080
200	10	1926	937	499	11	2528	1202	763
	15	3136	1533	670	16	3400	1599	1050
	20	4392	2148	810	21	4548	2120	1172
220	10	2119	1031	566	11	2781	1322	869
	15	3450	1686	762	16	3740	1759	1197
	20	4831	2363	928	21	5003	2332	1345
240	10	2311	1124	609	11	3034	1442	933
	15	3763	1839	819	16	4080	1918	1288
	20	5270	2577	997	21	5458	2544	1447
260	10	2504	1218	646	11	3286	1562	989
	15	4077	1993	872	16	4420	2078	1366
	20	5710	2792	1064	21	5912	2755	1542
280	10	2696	1312	696	11	3539	1682	1056
	15	4390	2146	933	16	4760	2238	1456
	20	6149	3007	1137	21	6367	2968	1642
300	10	2889	1406	729	11	3792	1802	1109
	15	4704	2299	980	16	5100	2398	1529
	20	6588	3222	1197	21	6822	3180	1730

EN442 output at 20°C room temperature

# TEMPO - H050

TEMW.050 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	430	210	192	11	554	263	294
	15	694	341	226	16	759	356	350
	20	970	477	260	21	1033	479	371
050	10	538	263	204	11	693	330	318
	15	867	426	246	16	949	445	380
	20	1213	597	285	21	1291	599	406
060	10	646	316	219	11	832	396	338
	15	1040	511	266	16	1139	534	410
	20	1455	716	311	21	1549	719	443
070	10	753	368	251	11	970	461	385
	15	1214	597	305	16	1329	624	473
	20	1698	835	360	21	1807	839	514
080	10	861	421	266	11	1109	527	410
	15	1387	682	328	16	1518	712	503
	20	1940	954	384	21	2066	959	551
090	10	968	473	285	11	1247	593	433
	15	1561	768	351	16	1708	801	539
	20	2183	1074	413	21	2324	1079	589
100	10	1076	526	311	11	1386	659	475
	15	1734	853	383	16	1898	891	592
	20	2425	1193	457	21	2582	1198	652
110	10	1184	579	331	11	1525	725	501
	15	1907	938	411	16	2088	980	629
	20	2668	1312	489	21	2840	1318	696
120	10	1291	631	343	11	1663	791	523
	15	2081	1023	430	16	2278	1069	660
	20	2910	1431	514	21	3098	1438	733
140	10	1506	736	392	11	1940	923	589
	15	2428	1194	490	16	2657	1247	748
	20	3395	1670	614	21	3615	1678	876
160	10	1722	842	450	11	2218	1055	679
	15	2774	1364	570	16	3037	1425	874
	20	3880	1908	719	21	4131	1917	1028
180	10	1937	947	489	11	2495	1187	735
	15	3121	1535	621	16	3416	1603	950
	20	4365	2147	781	21	4648	2157	1115
200	10	2152	1052	533	11	2772	1318	795
	15	3468	1706	706	16	3796	1781	1086
	20	4850	2385	850	21	5164	2397	1211
220	10	2367	1157	601	11	3049	1450	902
	15	3815	1876	801	16	4176	1959	1237
	20	5335	2624	969	21	5680	2636	1387
240	10	2582	1262	648	11	3326	1582	972
	15	4162	2047	861	16	4555	2137	1331
	20	5820	2862	1046	21	6197	2876	1493
260	10	2798	1368	688	11	3604	1714	1030
	15	4508	2217	917	16	4935	2316	1413
	20	6305	3101	1111	21	6713	3116	1590
280	10	3013	1473	739	11	3881	1846	1100
	15	4855	2388	980	16	5314	2493	1505
	20	6790	3339	1189	21	7230	3356	1693
300	10	3228	1578	776	11	4158	1977	1155
	15	5202	2558	1030	16	5694	2672	1581
	20	7275	3578	1253	21	7746	3595	1785

EN442 output at 20°C room temperature

# H060 - TEMPO

TEMW.060 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	468	230	203	11	598	285	307
	15	746	369	239	16	834	391	361
	20	1043	516	275	21	1153	533	383
050	10	585	287	218	11	747	355	332
	15	933	462	257	16	1042	488	392
	20	1304	645	297	21	1441	666	419
060	10	702	345	238	11	896	426	355
	15	1120	554	281	16	1250	585	423
	20	1565	774	326	21	1729	799	457
070	10	819	402	269	11	1046	498	403
	15	1306	646	321	16	1459	683	489
	20	1826	904	377	21	2017	932	532
080	10	936	460	285	11	1195	569	426
	15	1493	739	341	16	1667	781	520
	20	2086	1032	403	21	2306	1066	569
090	10	1053	517	302	11	1345	640	453
	15	1679	831	366	16	1876	878	556
	20	2347	1161	432	21	2594	1199	609
100	10	1170	575	333	11	1494	711	495
	15	1866	923	402	16	2084	976	610
	20	2608	1291	477	21	2882	1332	673
110	10	1287	632	352	11	1643	782	522
	15	2053	1016	431	16	2292	1073	649
	20	2869	1420	509	21	3170	1465	717
120	10	1404	689	366	11	1793	853	547
	15	2239	1108	450	16	2501	1171	682
	20	3130	1549	536	21	3458	1598	755
140	10	1638	804	419	11	2092	995	616
	15	2612	1293	515	16	2918	1366	771
	20	3651	1807	641	21	4035	1865	902
160	10	1872	919	479	11	2390	1137	710
	15	2986	1478	597	16	3334	1561	900
	20	4173	2065	747	21	4611	2131	1057
180	10	2106	1034	520	11	2689	1279	768
	15	3359	1662	649	16	3751	1756	980
	20	4694	2323	811	21	5188	2398	1147
200	10	2340	1149	569	11	2988	1422	832
	15	3732	1847	739	16	4168	1952	1118
	20	5216	2581	885	21	5764	2664	1245
220	10	2574	1264	639	11	3287	1564	941
	15	4105	2031	835	16	4585	2147	1272
	20	5738	2840	1007	21	6340	2931	1424
240	10	2808	1379	691	11	3586	1706	1014
	15	4478	2216	900	16	5002	2342	1371
	20	6259	3097	1086	21	6917	3197	1533
260	10	3042	1494	732	11	3884	1848	1075
	15	4852	2401	958	16	5418	2537	1454
	20	6781	3356	1153	21	7493	3464	1632
280	10	3276	1609	788	11	4183	1990	1148
	15	5225	2586	1025	16	5835	2732	1548
	20	7302	3614	1234	21	8070	3730	1740
300	10	3510	1724	827	11	4482	2133	1208
	15	5598	2770	1076	16	6252	2928	1627
	20	7824	3872	1301	21	8646	3997	1834

EN442 output at 20°C room temperature

# TEMPO - H070

TEMW.070 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	499	246	215	11	636	303	320
	15	789	393	250	16	904	422	373
	20	1101	548	289	21	1271	585	399
050	10	624	308	231	11	795	378	342
	15	986	491	271	16	1130	528	406
	20	1377	686	314	21	1589	731	434
060	10	749	370	250	11	954	454	369
	15	1183	589	294	16	1356	634	439
	20	1652	823	341	21	1906	877	474
070	10	874	431	284	11	1113	530	418
	15	1380	687	336	16	1582	739	502
	20	1927	960	394	21	2224	1024	548
080	10	998	493	299	11	1272	606	444
	15	1578	785	360	16	1808	845	537
	20	2202	1097	421	21	2542	1170	586
090	10	1123	554	320	11	1431	681	470
	15	1775	883	383	16	2034	950	575
	20	2478	1234	453	21	2859	1316	628
100	10	1248	616	351	11	1590	757	515
	15	1972	981	421	16	2260	1056	629
	20	2753	1371	498	21	3177	1462	696
110	10	1373	678	372	11	1749	833	542
	15	2169	1080	452	16	2486	1162	670
	20	3028	1508	533	21	3495	1609	739
120	10	1498	739	385	11	1908	908	567
	15	2366	1178	472	16	2712	1267	703
	20	3304	1645	559	21	3812	1755	778
140	10	1747	862	444	11	2226	1060	642
	15	2761	1374	540	16	3164	1479	799
	20	3854	1919	670	21	4448	2048	933
160	10	1997	986	507	11	2544	1211	736
	15	3155	1570	624	16	3616	1690	930
	20	4405	2194	777	21	5083	2340	1088
180	10	2246	1109	549	11	2862	1363	798
	15	3550	1767	679	16	4068	1901	1011
	20	4955	2467	845	21	5719	2633	1180
200	10	2496	1232	601	11	3180	1514	867
	15	3944	1963	771	16	4520	2112	1151
	20	5506	2742	920	21	6354	2925	1282
220	10	2746	1355	673	11	3498	1665	976
	15	4338	2159	872	16	4972	2323	1309
	20	6057	3016	1045	21	6989	3217	1463
240	10	2995	1478	729	11	3816	1817	1053
	15	4733	2356	941	16	5424	2535	1408
	20	6607	3290	1129	21	7625	3510	1578
260	10	3245	1602	771	11	4134	1968	1115
	15	5127	2552	998	16	5876	2746	1497
	20	7158	3564	1197	21	8260	3802	1677
280	10	3494	1725	830	11	4452	2119	1191
	15	5522	2748	1069	16	6328	2957	1594
	20	7708	3838	1282	21	8896	4095	1789
300	10	3744	1848	872	11	4770	2271	1253
	15	5916	2944	1124	16	6780	3168	1675
	20	8259	4113	1350	21	9531	4387	1884

EN442 output at 20°C room temperature

# H090 - TEMPO

TEMW.090 LLL TT.101

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	548	273	240	11	703	335	342
	15	848	427	278	16	1038	483	401
	20	1183	596	320	21	1508	688	431
050	10	685	341	256	11	879	419	369
	15	1060	534	300	16	1298	604	433
	20	1479	745	345	21	1885	860	468
060	10	821	409	278	11	1055	503	397
	15	1272	641	326	16	1558	725	470
	20	1774	894	378	21	2262	1032	509
070	10	958	477	315	11	1231	587	450
	15	1484	748	372	16	1817	846	537
	20	2070	1043	432	21	2639	1204	586
080	10	1095	546	333	11	1406	670	476
	15	1696	855	395	16	2077	967	574
	20	2366	1192	461	21	3016	1376	627
090	10	1232	614	355	11	1582	754	504
	15	1908	961	423	16	2336	1087	612
	20	2661	1341	494	21	3393	1548	671
100	10	1369	682	387	11	1758	838	553
	15	2120	1068	462	16	2596	1208	671
	20	2957	1490	544	21	3770	1720	739
110	10	1506	750	412	11	1934	922	583
	15	2332	1175	495	16	2856	1329	714
	20	3253	1639	580	21	4147	1892	788
120	10	1643	819	430	11	2110	1006	609
	15	2544	1282	517	16	3115	1450	748
	20	3548	1788	608	21	4524	2064	828
140	10	1917	955	495	11	2461	1173	692
	15	2968	1496	596	16	3634	1691	853
	20	4140	2086	729	21	5278	2408	992
160	10	2190	1091	562	11	2813	1341	792
	15	3392	1709	683	16	4154	1933	988
	20	4731	2384	841	21	6032	2752	1150
180	10	2464	1228	610	11	3164	1508	857
	15	3816	1923	745	16	4673	2175	1074
	20	5323	2682	914	21	6786	3097	1251
200	10	2738	1364	669	11	3516	1676	933
	15	4240	2137	845	16	5192	2416	1223
	20	5914	2980	996	21	7540	3441	1357
220	10	3012	1501	745	11	3868	1843	1049
	15	4664	2350	946	16	5711	2658	1385
	20	6505	3278	1126	21	8294	3785	1543
240	10	3286	1637	808	11	4219	2011	1132
	15	5088	2564	1026	16	6230	2899	1491
	20	7097	3576	1218	21	9048	4129	1667
260	10	3559	1773	855	11	4571	2178	1197
	15	5512	2778	1087	16	6750	3141	1585
	20	7688	3874	1294	21	9802	4473	1770
280	10	3833	1910	920	11	4922	2346	1282
	15	5936	2991	1166	16	7269	3383	1687
	20	8280	4172	1385	21	10556	4817	1887
300	10	4107	2046	966	11	5274	2513	1346
	15	6360	3205	1222	16	7788	3624	1771
	20	8871	4470	1455	21	11310	5161	1987

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## MINI WALL

Strikingly discrete

- Extremely suited to spaces with large windows and for dwarf walls under window seats.
- Heights from 8cm
- Beautiful in combination with the free-standing Mini for glazed façades.
- Stable one-piece casing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as freestanding model for glazed façades. See page 136.

MINI WALL sandblast grey (001)







MINI WALL

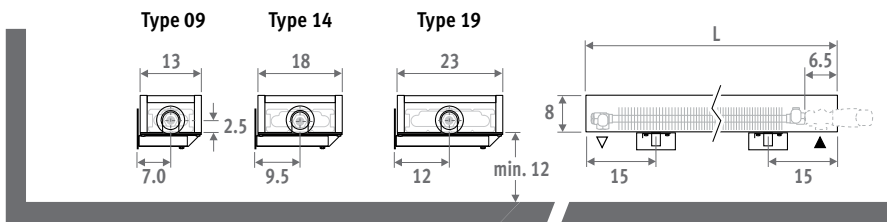


# MINI WALL MOUNTED MODEL

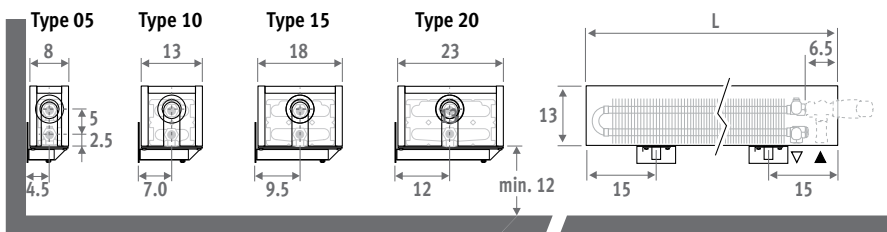


## DIMENSIONS (in cm)

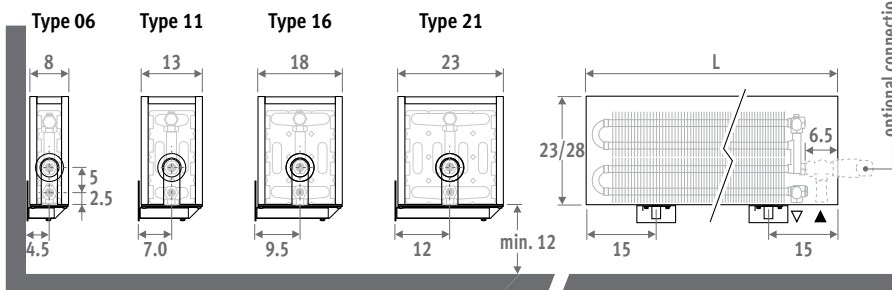
### HEIGHT 008 (opposite end connections)



### HEIGHT 013



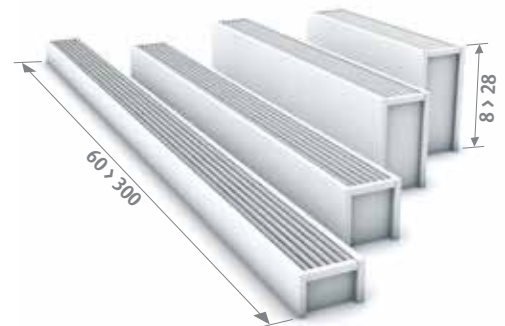
### HEIGHT 023 / 028



Also available as freestanding model for glazed façades. See page 136.

### ORDERING CODE

code height length type colour  
**MINW . 008 060 09 . XXX**  
 fill in colour code ↓



## DELIVERY

Easy to install by one person.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger, air vent 1/8" and drain plug 1/2"
- casing in one piece for connection left or right
- wall brackets in the same colour as the casing

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
  - sandblast grey (001), fine texture metallic lacquer
  - off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%
- Other colours: see colour chart.

## CONNECTION

Standard connection:

Height 008: opposite end connection, flow left or right

Other heights: same end connection, left or right connection.



It is not possible to connect to the wall from inside the casing, as the casing includes a closed rear panel.

## CONNECTION SETS

Mini height 013/023/028

**Connection to the floor:**

use set 104 (see page 318)

**Connection to the wall:**

Jaga H-valve for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.

Mini height 008

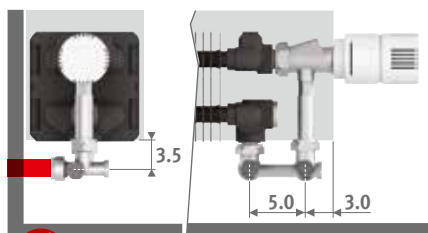
**Connection to the floor:**

use set 222 (see page 325).

**Connection to the wall:**

use set 25 (see page 328) and

1 angle 90° M24xM24 (see page 334).



set 103

CODE 1-PIPE/2-PIPE

€



COLO.HBSW.AW.4...

97



COLO.HBSW.JW.4...

106

fill in sleeve coupling code

Precision metal tube 15/1 115

Precision metal tube 16/1 116

RPE/ALU tube 16/2 616

RPE/ALU tube 20/2 620

### Other connections:

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information

# MINI WALL

MINW.HHH LLL TT.XXX

	Type	Watts	Watts	€	€	Type	Watts	Watts	€	€	Type	Watts	Watts	€	€	Type	Watts	Watts	€	€
	75/65	55/45	st. colour	other	75/65	55/45	st. colour	other	75/65	55/45	st. colour	other	75/65	55/45	st. colour	other	75/65	55/45	st. colour	other
<b>L H 008</b>					<b>H 013</b>				<b>H 023</b>				<b>H 028</b>							
060	---	---	---	---	05	197	95	250	359	06	323	156	397	506	06	342	166	439	548	
09	255	123	246	355	10	303	146	289	398	11	601	285	437	546	11	653	310	479	588	
14	416	200	289	398	15	508	244	339	448	16	785	370	516	625	16	860	405	561	670	
19	572	275	319	428	20	717	345	379	488	21	1021	479	542	651	21	1127	528	591	700	
070	---	---	---	---	05	230	111	270	379	06	377	182	431	540	06	399	193	473	582	
09	298	143	263	372	10	354	170	312	421	11	701	333	477	586	11	762	362	520	629	
14	486	234	311	420	15	593	285	371	480	16	916	432	569	678	16	1003	473	616	725	
19	667	321	350	459	20	837	403	418	527	21	1191	559	605	714	21	1315	616	652	761	
080	---	---	---	---	05	263	127	279	388	06	431	208	449	558	06	456	221	490	599	
09	340	163	275	384	10	404	194	324	433	11	802	381	498	607	11	871	414	541	650	
14	555	267	324	433	15	678	326	387	496	16	1046	494	598	707	16	1146	540	646	755	
19	762	366	366	475	20	956	460	440	549	21	1361	639	638	747	21	1503	704	688	797	
090	---	---	---	---	05	296	143	289	398	06	485	234	463	572	06	513	248	507	616	
09	383	184	285	394	10	455	219	335	444	11	902	428	516	625	11	980	465	561	670	
14	625	300	338	447	15	762	367	404	513	16	1177	555	627	736	16	1290	608	673	782	
19	858	412	381	490	20	1076	518	461	570	21	1531	719	670	779	21	1691	792	719	828	
100	---	---	---	---	05	329	158	302	475	06	539	260	492	665	06	570	276	535	708	
09	425	204	299	472	10	505	243	356	529	11	1002	476	549	722	11	1089	517	596	769	
14	694	333	360	533	15	847	407	430	603	16	1308	617	671	844	16	1433	676	720	893	
19	953	458	410	583	20	1195	575	496	669	21	1701	799	723	896	21	1879	880	773	946	
110	---	---	---	---	05	362	174	317	490	06	593	286	516	689	06	627	304	559	732	
09	468	225	312	485	10	556	267	372	545	11	1102	523	577	750	11	1198	569	623	796	
14	763	367	377	550	15	932	448	453	626	16	1439	679	708	881	16	1576	743	758	931	
19	1048	504	431	604	20	1315	633	523	696	21	1871	878	767	940	21	2067	968	817	990	
120	---	---	---	---	05	395	190	334	507	06	647	312	539	712	06	684	331	584	757	
09	510	245	330	503	10	606	291	392	565	11	1202	571	605	778	11	1307	621	652	825	
14	833	400	396	569	15	1016	489	477	650	16	1570	741	745	918	16	1720	811	795	968	
19	1144	550	456	629	20	1434	690	555	728	21	2041	958	809	982	21	2255	1056	861	1034	
140	---	---	---	---	05	461	222	362	535	06	755	364	589	762	06	798	386	638	811	
09	595	286	356	529	10	707	340	425	598	11	1403	666	660	833	11	1525	724	712	885	
14	972	467	432	605	15	1186	570	521	694	16	1831	864	817	990	16	2006	946	874	1047	
19	1334	641	521	694	20	1673	805	639	812	21	2381	1118	939	1112	21	2631	1233	997	1170	
160	---	---	---	---	05	526	253	431	604	06	862	416	698	871	06	912	442	755	928	
09	680	327	423	596	10	808	388	508	681	11	1603	761	783	956	11	1742	827	845	1018	
14	1110	533	516	689	15	1355	652	624	797	16	2093	988	976	1149	16	2293	1081	1040	1213	
19	1525	733	622	795	20	1912	920	763	936	21	2722	1278	1120	1293	21	3006	1408	1188	1361	
180	---	---	---	---	05	592	285	493	666	06	970	468	781	954	06	1026	497	845	1018	
09	765	368	484	657	10	909	437	576	749	11	1804	857	874	1047	11	1960	931	939	1112	
14	1249	600	582	755	15	1525	734	702	875	16	2354	1111	1088	1261	16	2579	1216	1156	1329	
19	1715	824	700	873	20	2151	1035	855	1028	21	3062	1438	1245	1418	21	3382	1584	1317	1490	
200	---	---	---	---	05	658	317	534	836	06	1078	520	845	1147	06	1140	552	914	1216	
09	850	408	523	825	10	1010	485	624	926	11	2004	952	946	1248	11	2178	1034	1018	1320	
14	1388	667	656	958	15	1694	815	792	1094	16	2616	1234	1232	1534	16	2866	1351	1308	1610	
19	1906	916	759	1061	20	2390	1150	928	1230	21	3402	1597	1348	1650	21	3758	1761	1428	1730	
220	---	---	---	---	05	724	349	627	929	06	1186	572	980	1282	06	1254	607	1060	1362	
09	935	449	613	915	10	1111	534	729	1031	11	2204	1047	1097	1399	11	2396	1138	1180	1482	
14	1527	734	762	1064	15	1863	896	924	1226	16	2878	1358	1427	1729	16	3153	1486	1515	1817	
19	2097	1008	884	1186	20	2629	1265	1083	1385	21	3742	1757	1566	1868	21	4134	1937	1660	1962	
240	---	---	---	---	05	790	381	668	970	06	1294	624	1043	1345	06	1368	662	1129	1431	
09	1020	490	652	954	10	1212	582	777	1079	11	2405	1142	1168	1470	11	2614	1241	1257	1559	
14	1666	801	811	1113	15	2033	978	984	1286	16	3139	1481	1520	1822	16	3439	1621	1614	1916	
19	2287	1099	942	1244	20	2868	1380	1155	1457	21	4082	1916	1675	1977	21	4510	2113	1771	2073	
260	---	---	---	---	05	855	412	706	1008	06	1401	676	1105	1407	06	1482	718	1194	1496	
09	1105	531	690	992	10	1313	631	825	1127	11	2605	1237	1238	1540	11	2831	1344	1333	1635	
14	1804	867	858	1160	15	2202	1059	1043	1345	16	3401	1605	1612	1914	16	3726	1756	1713	2015	
19	2478	1191	1000	1302	20	3107	1495	1228	1530	21	4423	2076	1780	2082	21	4885	2289	1883	2185	

EN442 output at 20°C room temperature

Mini wall mounted model is also available in lengths 280 and 300 cm, see: [www.jaga.com](http://www.jaga.com)

# jaga

CLIMATE DESIGNERS

## KNOCKONWOOD

Warm power, noble wood

- Subtle, timeless design, curved one piece wooden mantle with a high-grade veneer finish.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for an integrated valve and concealed connection.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



design award  
winner

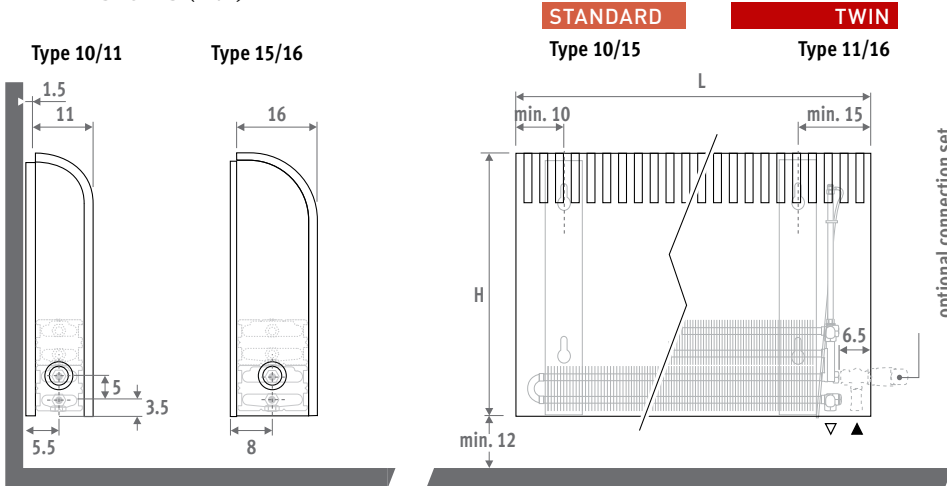




KNOCKONWOOD



## DIMENSIONS (in cm)



## DELIVERY

Delivered in a cardboard box, which can also be used as protection on site after installation. Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets, fixing kit, extended air vent 1/8" and drain plug 1/2"
- casing in one piece with wooden cover in plywood with high-grade veneer and metal side panels in sandblast grey (001)
- cover plate in stainless steel effect for the side panel at the opposite end from the valve

## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin mat, gloss degree 40%. High UV resistance.

**Available from stock**  
in height 055 and lengths from 060 to 140



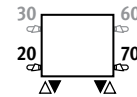
## CONNECTION

Standard connection:

Bottom end left or right, to the wall or to the floor. Connection to the wall via the bottom of the casing, or totally concealed within the casing, depending on the valve or connection set chosen.

Optional high level valve:

add to the code of the radiator /30 (left) or /60 (right)  
Ex. KNOW.030 060 06.xxx/60  
High level valve details : see "Connection sets & Valves".



Optional remote controlled valve:

add to the code of the radiator /00.  
Ex. KNOW.030 060 06.xxx/00  
For valve set prices see chapter "Connection sets & valves"

## ORDERING CODE

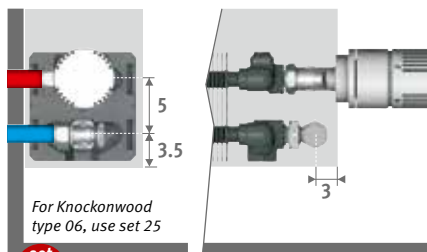
code	height	length	type	colour
KNOW .	055	060	10 .	XXX
<i>fill in type of wood</i>				



## CONNECTION SETS

**To the wall, totally concealed within the casing**

TRV head and sleeve couplings Eurocone 3/4" included.



set 225

CODE 2-PIPE

	COLO.SW2.AW.4...	81
	COLO.SW2.JW.4...	88

*fill in sleeve coupling code*

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

## Other connections:

See chapter "Connection sets and valves" for all connection options and technical information

# KNOCKONWOOD

## STANDARD RANGE

KNOW.HHH LLL TT.XXX

	STANDARD				TWIN			
	Type	Watts	Watts	€	Type	Watts	Watts	€
		75/65	55/45			75/65	55/45	
<b>L</b>	<b>H 055</b>							
<b>060</b>	<b>10</b>	660	319	<b>852</b>	<b>11</b>	718	333	<b>965</b>
	<b>15</b>	1001	488	<b>906</b>	<b>16</b>	1063	495	<b>1043</b>
<b>080</b>	<b>10</b>	880	425	<b>948</b>	<b>11</b>	958	444	<b>1086</b>
	<b>15</b>	1335	651	<b>1017</b>	<b>16</b>	1418	660	<b>1189</b>
<b>100</b>	<b>10</b>	1100	532	<b>1097</b>	<b>11</b>	1197	555	<b>1255</b>
	<b>15</b>	1669	814	<b>1188</b>	<b>16</b>	1772	825	<b>1390</b>
<b>120</b>	<b>10</b>	1320	638	<b>1281</b>	<b>11</b>	1436	666	<b>1456</b>
	<b>15</b>	2003	977	<b>1386</b>	<b>16</b>	2126	989	<b>1610</b>
<b>140</b>	<b>10</b>	1540	744	<b>1440</b>	<b>11</b>	1676	777	<b>1630</b>
	<b>15</b>	2337	1140	<b>1556</b>	<b>16</b>	2481	1155	<b>1805</b>

## AVAILABLE ON REQUEST

### Other wood finishes:

	
<b>760</b> Maple natural	<b>720</b> Beech natural
	
<b>701</b> Oak bleached	<b>721</b> Beech bleached
	
<b>710</b> Mahogany	<b>702</b> Oak wenge-colour
	
<b>780</b> Walnut	

### Other dimensions:

Height 030 and 090cm. Length 180 and 220 cm



Not available per piece! For your personalized offer  
tel. 0032 11 29 41 12

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## PLAY

Playful warmth, colourful comfort

- Completely pre-assembled and mounted casing, consisting of painted MDF panels with aluminium spacer rings.
- Standard pencil-proof grille, to prevent small objects or waste falling into the casing.
- Optional protective base grille.
- Integrated valve with thermostat in the front panel.
- Connections can be completely concealed within the casing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.



PLAY PIANO

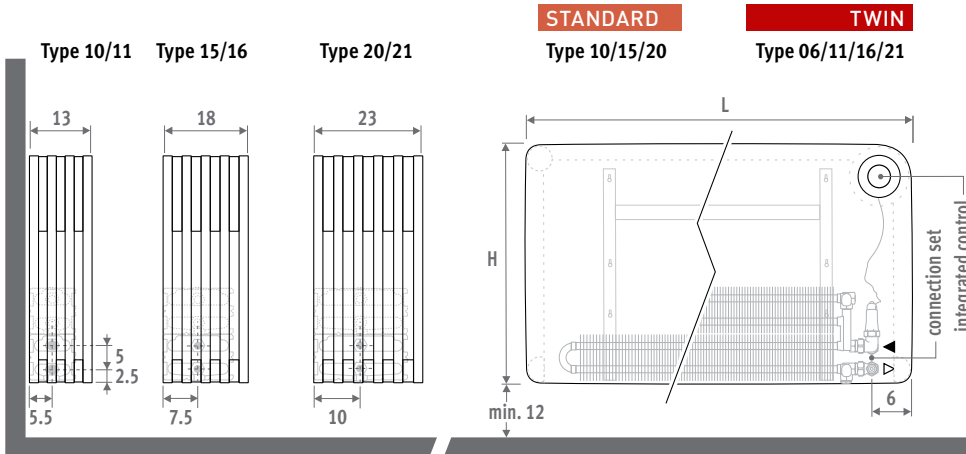






PLAY

## DIMENSIONS (in cm)



## DELIVERY

Delivered in a cardboard box, which can also be used as protection on site after installation. standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit, air vent 1/8" and drain plug 1/2"
- one piece casing, completely mounted, consisting of lacquered MDF panels with anodised aluminium spacer rings
- premounted and integrated control in the front panel in the top right hand corner, included valve and sleeve couplings for connection to the wall or to the floor
- pencil-proof grille

## COLOURS

Scratch resistant polyurethane finish with a soft structured mat surface. High UV resistance.

### Category 1



**WHI** Play White

### Category 2



**BLA** Play Black



**PIA** Play Piano



**BOY** Play4Boy



**GIR** Play4Girl

## ORDERING CODE

Connection to the wall  
within the casing

code height length type colour conn.  
**PLAW. 035 060 10 . XXX /WR /TIB /...**

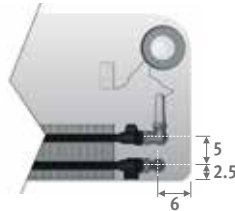
Enter colour code

To the wall, right /WR

To the wall, left /WL

Always 2-Pipe /TIB

Fill in sleeve coupling code: see p. 329

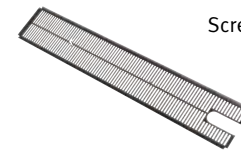


## CREATE YOUR OWN COLOURS OR CREATE YOUR OWN PRINT

Design your own colour combination or print on the front panel. For more info go to: [export@jaga.be](mailto:export@jaga.be)



## BASE GRILLE



Screens the bottom of the casing. Colour black (RAL 9005)

	code	length	type	model
<b>ORDERING CODE</b>	<b>5641.000</b>	<b>060</b>	<b>10</b>	<b>/PLA</b>
	<b>Type 10/11</b>	<b>15/16</b>	<b>20/21</b>	
<b>L</b>	<b>€</b>	<b>€</b>	<b>€</b>	
<b>060</b>	40	43	44	
<b>080</b>	42	46	47	
<b>100</b>	44	50	52	
<b>120</b>	47	55	62	

	STANDARD					TWIN				
	Type	Watts 75/65	Watts 55/45	€ cat. 1	€ cat. 2	Type	Watts 75/65	Watts 55/45	€ cat. 1	€ cat. 2
<b>L H 035</b>										
060	10	529	259	1006	1115	11	583	277	1111	1220
	15	805	397	1124	1233	16	870	409	1253	1362
	20	1104	547	1233	1342	21	1217	568	1349	1458
080	10	705	346	1080	1189	11	777	369	1210	1319
	15	1074	529	1208	1317	16	1160	546	1367	1477
	20	1472	729	1339	1448	21	1622	756	1485	1594
100	10	881	432	1140	1313	11	971	461	1283	1456
	15	1342	661	1282	1455	16	1450	682	1467	1640
	20	1840	911	1430	1603	21	2028	946	1600	1773
120	10	1057	518	1203	1376	11	1165	553	1366	1540
	15	1610	793	1364	1538	16	1740	819	1578	1752
	20	2208	1093	1528	1701	21	2434	1135	1730	1904
<b>L H 050</b>										
060	10	591	287	1063	1172	11	685	324	1171	1280
	15	925	452	1183	1293	16	1040	489	1310	1419
	20	1284	632	1303	1412	21	1461	683	1420	1529
080	10	788	383	1141	1250	11	913	432	1271	1380
	15	1234	603	1278	1387	16	1386	652	1440	1549
	20	1712	842	1421	1530	21	1948	911	1569	1678
100	10	985	479	1206	1379	11	1141	540	1350	1524
	15	1542	754	1361	1534	16	1733	815	1546	1719
	20	2140	1053	1517	1691	21	2435	1138	1687	1861
120	10	1182	574	1273	1447	11	1369	647	1438	1611
	15	1850	905	1446	1619	16	2080	978	1661	1834
	20	2568	1264	1623	1797	21	2922	1366	1824	1998
<b>L H 065</b>										
060	10	653	315	1135	1244	11	778	366	1241	1350
	15	1040	505	1265	1374	16	1187	558	1392	1501
	20	1454	711	1394	1503	21	1663	780	1511	1620
080	10	870	419	1209	1318	11	1037	488	1339	1448
	15	1386	673	1356	1465	16	1582	743	1517	1626
	20	1938	948	1509	1618	21	2218	1040	1656	1766
100	10	1088	524	1272	1446	11	1296	610	1417	1590
	15	1733	841	1437	1610	16	1978	929	1621	1794
	20	2423	1185	1604	1777	21	2772	1299	1774	1947
120	10	1306	629	1345	1518	11	1555	732	1510	1683
	15	2080	1010	1528	1701	16	2374	1115	1743	1916
	20	2908	1422	1714	1887	21	3326	1559	1917	2091

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## PANEL PLUS HORIZONTAL

Elegant simplicity and power

Streamlined, elegant design. The compact style of the Panel Plus allows creative freedom to the designer and saves space too! The Panel Plus can be fitted as a wall mounted radiator, but Jaga also offers a super compact, solid skirting model starting at a height of 6 cm! The robust design of the Panel Plus radiator with its hidden collectors provides an elegant simplicity that oozes quality.

Vertical version: see p. 112.  
Freestanding version: see p. 156.

PANEL PLUS HORIZONTAL sandblast grey 001





PANEL PLUS HORIZONTAL 



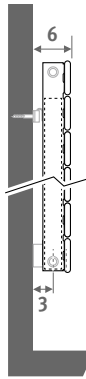
# PANEL PLUS HORIZONTAL

## DIMENSIONS (in cm)

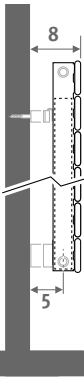
- standard connection
- variant

Vertical version: see p. 112.  
Freestanding version: see p. 156.

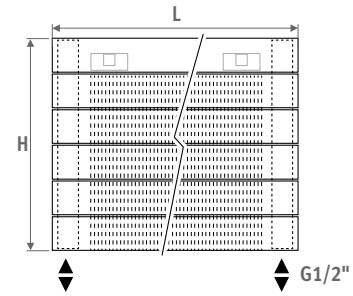
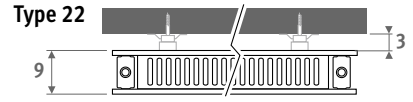
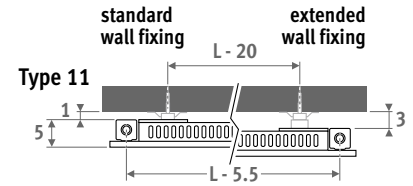
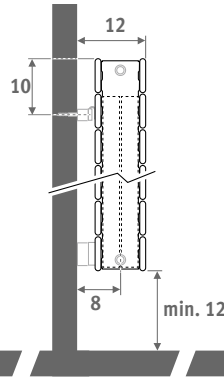
Type 11  
standard  
wall fixing



Type 11  
extended  
wall fixing



Type 22



## DELIVERY

- connection 18 underneath
- wall fixing
- chrome-plated air vent and drain plug G1/2"
- pre-mounted grille
- type 11 is provided with standard and extended wall fixings

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

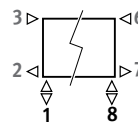
Code:

1° number = flow

2° number = return

Standard connection:

Code 18, reversible 18 or 81



Other connections (no surcharge):

- side connection:
    - one-sided: code 32 or 67 instead of 18
    - cross-over: code 37 or 62 instead of 18
  - single point connection: code 11 (left) or 88 (right) instead of 18.
- Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.

## CONNECTION SETS

Example showing connection set to the wall

**Jaga Deco double angled**

TRV head and sleeve couplings included.



set 35	<b>To the wall</b>	€
	CODE.JH2.AC.1...	211
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	115
	Precision metal tube 16/1	116
	Precision metal tube 18/1	118
	RPE/ALU tube 16/2	316
	RPE/ALU tube 18/2	318

## Other connection sets and sleeve couplings

see chapter "Connection sets and valves" for all connection options and technical information

# PANEL PLUS HORIZONTAL

code height length type colour conn.  
**PPHW . 018 100 11 . XXX /18 /GR**  
 fill in colour code \_\_\_\_\_

	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 018</b>					
060	---	---	---	---	---
080	---	---	---	---	---
100	11	389	204	416	499
	22	626	312	777	933
120	11	466	244	459	550
	22	751	374	851	1025
140	11	544	285	504	603
	22	876	436	930	1115
160	11	622	326	548	659
	22	1001	498	1009	1211
180	11	699	367	593	712
	22	1126	561	1083	1300
200	11	777	408	635	762
	22	1252	623	1158	1389
220	11	855	449	680	816
	22	1377	686	1235	1482
240	11	932	489	723	867
	22	1502	748	1307	1571
260	11	1010	530	768	921
	22	1627	810	1388	1666
280	11	1088	571	810	973
	22	1752	872	1462	1755
300	11	1166	612	856	1028
	22	1877	935	1538	1845
<b>L H 037</b>					
060	11	380	199	487	586
	22	659	328	954	1145
080	11	507	266	557	669
	22	879	438	1080	1297
100	11	633	332	627	752
	22	1098	547	1210	1452
120	11	760	399	695	837
	22	1318	656	1336	1602
140	11	887	465	764	917
	22	1538	766	1462	1756
160	11	1013	531	833	1002
	22	1757	875	1592	1912
180	11	1140	598	903	1082
	22	1977	984	1717	2060
200	11	1267	665	971	1166
	22	2197	1094	1844	2215
220	11	1394	731	1039	1249
	22	2416	1203	1970	2364
240	11	1520	797	1111	1331
	22	2636	1313	2098	2518
260	11	1647	864	1176	1415
	22	2856	1422	2224	2669
280	11	1774	931	1246	1495
	22	3075	1531	2349	2819
300	11	1900	997	1315	1577
	22	3295	1641	2473	2969

	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 024</b>					
060	11	285	150	366	438
	22	477	238	704	845
080	11	380	199	417	500
	22	636	317	795	953
100	11	475	249	467	561
	22	794	395	885	1063
120	11	570	299	513	618
	22	953	475	967	1160
140	11	665	349	561	674
	22	1112	554	1049	1258
160	11	760	399	611	735
	22	1271	633	1136	1366
180	11	855	449	659	790
	22	1430	712	1218	1463
200	11	950	498	705	847
	22	1589	791	1300	1560
220	11	1045	548	753	905
	22	1748	870	1382	1661
240	11	1140	598	802	961
	22	1907	950	1468	1761
260	11	1235	648	848	1017
	22	2065	1028	1552	1863
280	11	1330	698	896	1075
	22	2224	1107	1634	1962
300	11	1425	748	944	1130
	22	2383	1187	1716	2059
<b>L H 043</b>					
060	11	425	223	548	658
	22	742	369	1076	1291
080	11	566	297	628	753
	22	989	492	1225	1468
100	11	708	371	705	847
	22	1236	615	1372	1646
120	11	849	445	786	944
	22	1483	738	1521	1827
140	11	991	520	865	1038
	22	1730	861	1670	2005
160	11	1132	594	946	1134
	22	1978	985	1818	2181
180	11	1274	668	1027	1233
	22	2225	1108	1969	2363
200	11	1415	742	1106	1328
	22	2472	1231	2116	2540
220	11	1557	817	1185	1420
	22	2719	1354	2264	2715
240	11	1698	891	1262	1516
	22	2966	1477	2413	2898
260	11	1840	965	1343	1614
	22	3214	1600	2563	3075
280	11	1981	1039	1424	1711
	22	3461	1723	2713	3256
300	11	2123	1114	1505	1806
	22	3708	1846	2866	3438

	Type	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 031</b>					
060	11	334	175	426	510
	22	571	284	825	991
080	11	445	233	486	585
	22	761	379	937	1125
100	11	556	292	546	655
	22	951	474	1046	1255
120	11	668	350	601	722
	22	1142	569	1143	1372
140	11	779	409	664	797
	22	1332	663	1258	1510
160	11	890	467	722	867
	22	1522	758	1360	1633
180	11	1001	525	780	935
	22	1713	853	1467	1760
200	11	1113	584	838	1005
	22	1903	948	1573	1885
220	11	1224	642	894	1075
	22	2093	1042	1675	2010
240	11	1335	700	955	1147
	22	2283	1137	1782	2137
260	11	1446	759	1014	1216
	22	2474	1232	1890	2267
280	11	1558	817	1076	1291
	22	2664	1327	2003	2403
300	11	1669	876	1136	1366
	22	2854	1421	2110	2533
<b>L H 050</b>					
060	11	468	246	610	732
	22	819	408	1202	1443
080	11	624	327	701	840
	22	1092	544	1371	1644
100	11	780	409	787	945
	22	1365	680	1537	1843
120	11	936	491	876	1054
	22	1638	816	1707	2049
140	11	1091	572	967	1161
	22	1911	952	1877	2252
160	11	1247	654	1057	1272
	22	2185	1088	2047	2457
180	11	1403	736	1148	1377
	22	2458	1224	2217	2660
200	11	1559	818	1238	1487
	22	2731	1360	2388	2867
220	11	1715	900	1328	1592
	22	3004	1496	2556	3067
240	11	1871	982	1419	1703
	22	3277	1632	2730	3275
260	11	2027	1063	1510	1813
	22	3550	1768	2903	3481
280	11	2183	1145	1599	1921
	22	3823	1904	3071	3683
300	11	2339	1227	1690	2027
	22	4096	2040	3236	3886

EN442 output at 20°C room temperature



# PANEL PLUS HORIZONTAL

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 056</b>				
<b>060</b>	<b>11</b>	510	268	<b>670</b>	<b>804</b>
	<b>22</b>	892	444	<b>1328</b>	<b>1592</b>
<b>080</b>	<b>11</b>	680	357	<b>770</b>	<b>924</b>
	<b>22</b>	1190	593	<b>1514</b>	<b>1817</b>
<b>100</b>	<b>11</b>	850	446	<b>867</b>	<b>1038</b>
	<b>22</b>	1487	740	<b>1698</b>	<b>2037</b>
<b>120</b>	<b>11</b>	1020	535	<b>968</b>	<b>1162</b>
	<b>22</b>	1784	888	<b>1893</b>	<b>2272</b>
<b>140</b>	<b>11</b>	1190	624	<b>1069</b>	<b>1282</b>
	<b>22</b>	2082	1037	<b>2083</b>	<b>2498</b>
<b>160</b>	<b>11</b>	1360	714	<b>1170</b>	<b>1403</b>
	<b>22</b>	2379	1185	<b>2275</b>	<b>2730</b>
<b>180</b>	<b>11</b>	1530	803	<b>1269</b>	<b>1525</b>
	<b>22</b>	2676	1333	<b>2466</b>	<b>2959</b>
<b>200</b>	<b>11</b>	1700	892	<b>1372</b>	<b>1646</b>
	<b>22</b>	2974	1481	<b>2661</b>	<b>3192</b>
<b>220</b>	<b>11</b>	1870	981	<b>1472</b>	<b>1766</b>
	<b>22</b>	3271	1629	<b>2851</b>	<b>3423</b>
<b>240</b>	<b>11</b>	2040	1070	<b>1574</b>	<b>1887</b>
	<b>22</b>	3569	1777	<b>3042</b>	<b>3652</b>
<b>260</b>	<b>11</b>	2210	1159	<b>1673</b>	<b>2008</b>
	<b>22</b>	3866	1925	<b>3234</b>	<b>3881</b>
<b>280</b>	<b>11</b>	2380	1249	<b>1772</b>	<b>2128</b>
	<b>22</b>	4163	2073	<b>3423</b>	<b>4107</b>
<b>300</b>	<b>11</b>	2549	1337	<b>1874</b>	<b>2246</b>
	<b>22</b>	4461	2221	<b>3613</b>	<b>4335</b>

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 069</b>				
<b>060</b>	<b>11</b>	592	310	<b>782</b>	<b>938</b>
	<b>22</b>	1025	510	<b>1553</b>	<b>1863</b>
<b>080</b>	<b>11</b>	789	414	<b>892</b>	<b>1071</b>
	<b>22</b>	1367	681	<b>1765</b>	<b>2119</b>
<b>100</b>	<b>11</b>	986	517	<b>1005</b>	<b>1208</b>
	<b>22</b>	1709	851	<b>1982</b>	<b>2377</b>
<b>120</b>	<b>11</b>	1183	620	<b>1121</b>	<b>1346</b>
	<b>22</b>	2051	1021	<b>2205</b>	<b>2648</b>
<b>140</b>	<b>11</b>	1381	724	<b>1239</b>	<b>1488</b>
	<b>22</b>	2392	1191	<b>2431</b>	<b>2917</b>
<b>160</b>	<b>11</b>	1578	827	<b>1358</b>	<b>1630</b>
	<b>22</b>	2734	1361	<b>2661</b>	<b>3194</b>
<b>180</b>	<b>11</b>	1775	931	<b>1474</b>	<b>1771</b>
	<b>22</b>	3076	1532	<b>2885</b>	<b>3463</b>
<b>200</b>	<b>11</b>	1972	1034	<b>1595</b>	<b>1914</b>
	<b>22</b>	3418	1702	<b>3114</b>	<b>3737</b>
<b>220</b>	<b>11</b>	2169	1137	<b>1713</b>	<b>2056</b>
	<b>22</b>	3760	1872	<b>3342</b>	<b>4009</b>
<b>240</b>	<b>11</b>	2367	1241	<b>1831</b>	<b>2196</b>
	<b>22</b>	4101	2042	<b>3568</b>	<b>4282</b>
<b>260</b>	<b>11</b>	2564	1344	<b>1949</b>	<b>2340</b>
	<b>22</b>	4443	2212	<b>3798</b>	<b>4555</b>
<b>280</b>	<b>11</b>	2761	1448	<b>2066</b>	<b>2480</b>
	<b>22</b>	4785	2383	<b>4022</b>	<b>4825</b>
<b>300</b>	<b>11</b>	2958	1551	<b>2183</b>	<b>2623</b>
	<b>22</b>	5127	2553	<b>4250</b>	<b>5099</b>

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 081</b>				
<b>060</b>	<b>11</b>	671	352	<b>875</b>	<b>1052</b>
	<b>22</b>	1143	569	<b>1746</b>	<b>2096</b>
<b>080</b>	<b>11</b>	895	469	<b>996</b>	<b>1196</b>
	<b>22</b>	1524	759	<b>1977</b>	<b>2373</b>
<b>100</b>	<b>11</b>	1119	587	<b>1118</b>	<b>1341</b>
	<b>22</b>	1905	949	<b>2213</b>	<b>2654</b>
<b>120</b>	<b>11</b>	1342	704	<b>1249</b>	<b>1497</b>
	<b>22</b>	2286	1139	<b>2463</b>	<b>2956</b>
<b>140</b>	<b>11</b>	1566	821	<b>1377</b>	<b>1654</b>
	<b>22</b>	2667	1329	<b>2713</b>	<b>3256</b>
<b>160</b>	<b>11</b>	1790	939	<b>1507</b>	<b>1807</b>
	<b>22</b>	3048	1519	<b>2965</b>	<b>3556</b>
<b>180</b>	<b>11</b>	2013	1056	<b>1635</b>	<b>1963</b>
	<b>22</b>	3430	1709	<b>3213</b>	<b>3859</b>
<b>200</b>	<b>11</b>	2237	1173	<b>1766</b>	<b>2121</b>
	<b>22</b>	3811	1899	<b>3465</b>	<b>4161</b>
<b>220</b>	<b>11</b>	2461	1290	<b>1898</b>	<b>2278</b>
	<b>22</b>	4192	2089	<b>3720</b>	<b>4464</b>
<b>240</b>	<b>11</b>	2684	1407	<b>2026</b>	<b>2431</b>
	<b>22</b>	4573	2278	<b>3965</b>	<b>4760</b>
<b>260</b>	<b>11</b>	2908	1525	<b>2157</b>	<b>2588</b>
	<b>22</b>	4954	2468	<b>4219</b>	<b>5065</b>
<b>280</b>	<b>11</b>	3132	1642	<b>2285</b>	<b>2744</b>
	<b>22</b>	5335	2658	<b>4468</b>	<b>5363</b>
<b>300</b>	<b>11</b>	3356	1760	<b>2418</b>	<b>2900</b>
	<b>22</b>	5716	2848	<b>4722</b>	<b>5667</b>

EN442 output at 20°C room temperature

Panel Plus is available from 6cm high up to 94 cm, see: [www.jaga.com](http://www.jaga.com)

# jaga

CLIMATE DESIGNERS

## HEATWAVE

Playful curves  
out of a concrete shell

This gorgeous sculptured piece hangs on your wall like a work of art, drawing all eyes to it... This intriguing radiator is the first to unite the fine details of art and pure craftsmanship with industrial efficiency. The playful, sensuous curls form a deliberate contrast with their intractable concrete shell.

Design by Joris Laarman.





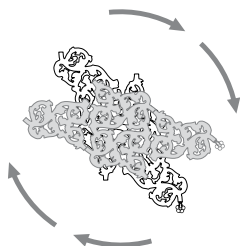
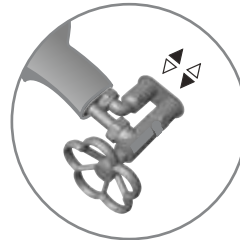
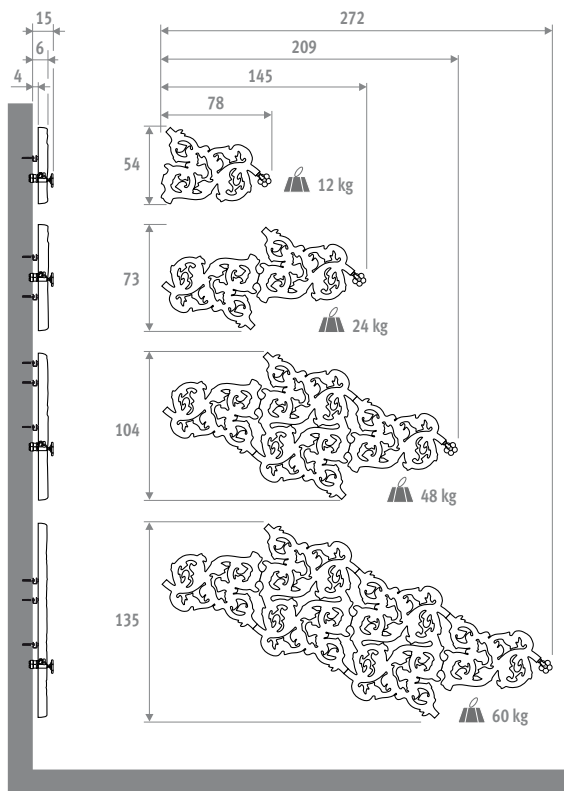
HEATWAVE





# HEATWAVE

## DIMENSIONS (in cm)



The Heatwave can be mounted in any orientation through 360°.

code	model	colour
HEAW . 001	OS	XXX
fill in colour code _____		

Model	Watts 75/65	Watts 55/45	€ st. colour	€ other
OS	232	125		
OM	430	234		On request
OL	820	446		
XL	1255	704		

EN442 output at 20°C room temperature

## DELIVERY

- wall mounted radiator from mineral composite, with scratch resistant lacquer finish
- depending on the model, delivered in 1, 2, 3 or 4 parts
- manual valve with hand wheel
- double built-in box for connection to wall 3/4" eurocone
- wall fixings
- installation template

## COLOURS

Standard colours:



623 matt black



628 stone grey

Other colours: RAL range on demand.

## CONNECTIONS

Provide an air vent on the central heating pipework above the radiator

small  
OS



medium  
OM



large  
OL



extra-large  
XL



EN 442

# jaga

CLIMATE DESIGNERS

## INSTALLATION IN A WALL RECESS

The comfort solution for minimalist architecture.

- The perfect built-in solution without sacrificing heating capacity.
- Space-saving.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

EXAMPLE BUILT-IN WALL (front cover not included)



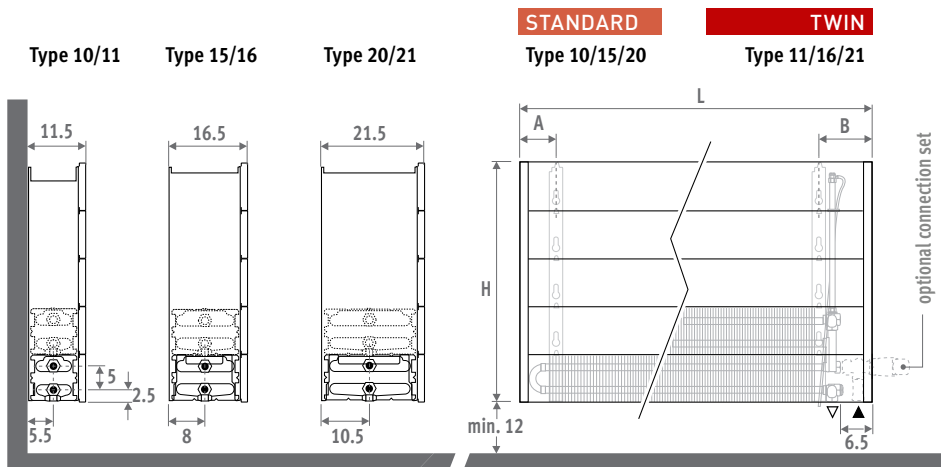


INSTALLATION IN A WALL RECESS



# INSTALLATION IN A WALL RECESS

## DIMENSIONS (in cm)



## DELIVERY

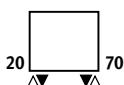
Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- separation wall dark grey lacquered (not suitable as finished casing)

## CONNECTION

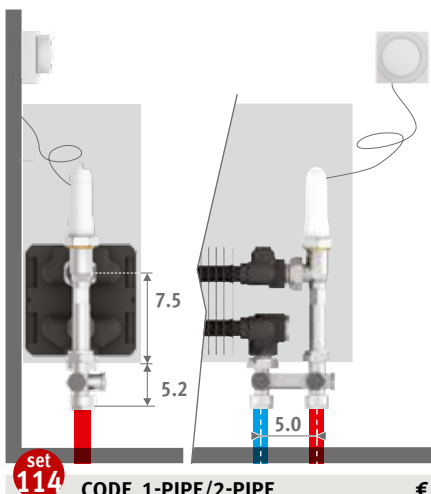
Standard connection bottom end left or right



## CONNECTION SETS

To the floor, with remote controlled thermostatic head

TRV head and sleeve couplings Eurocone 3/4" included.



Set 114 CODE 1-PIPE/2-PIPE €

COLO.VBSF.RD.4... 201

- fill in sleeve coupling code
- Precision metal tube 15/1 **115**
  - Precision metal tube 16/1 **116**
  - RPE/ALU tube 16/2 **616**
  - RPE/ALU tube 20/2 **620**

## Other connections:

See chapter "Connection sets and valves" for all connection options and technical information

## ORDERING CODE

code	height	length	type
BIWW .	020	040	10

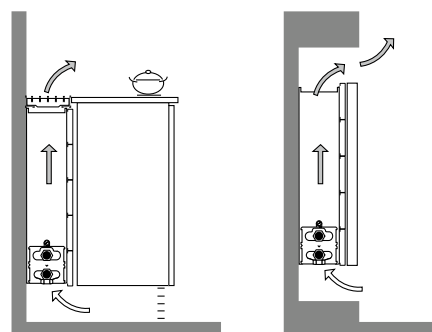
## GUIDELINES FOR INSTALLATION

Cupboards should be built in a way that permits access to the heat exchanger for regular maintenance.

In order to prevent dirt from falling into the heat exchanger, fit the grille a little higher than the cupboard edge.

The outputs indicated are based on a free air flow of 75% of the depth. If the free opening is smaller, a correction factor must be applied to calculate the heat output.

% Air flow	Correction factor
75	1.00
60	0.96
50	0.92
40	0.84
30	0.66





# H020 ■ INSTALLATION IN A WALL RECESS

BIWW.020 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	262	126	112	---	---	---	---
	15	436	211	135	---	---	---	---
	20	613	296	161	---	---	---	---
050	10	328	158	122	---	---	---	---
	15	545	263	152	---	---	---	---
	20	766	370	179	---	---	---	---
060	10	393	189	134	---	---	---	---
	15	654	316	165	---	---	---	---
	20	919	444	200	---	---	---	---
070	10	459	221	157	---	---	---	---
	15	763	369	197	---	---	---	---
	20	1072	518	239	---	---	---	---
080	10	524	252	167	---	---	---	---
	15	872	421	212	---	---	---	---
	20	1226	592	259	---	---	---	---
090	10	590	284	179	---	---	---	---
	15	981	474	229	---	---	---	---
	20	1379	666	281	---	---	---	---
100	10	655	316	200	---	---	---	---
	15	1090	526	255	---	---	---	---
	20	1532	740	315	---	---	---	---
110	10	721	347	211	---	---	---	---
	15	1199	579	275	---	---	---	---
	20	1685	814	337	---	---	---	---
120	10	786	379	221	---	---	---	---
	15	1308	632	290	---	---	---	---
	20	1838	888	360	---	---	---	---
140	10	917	442	251	---	---	---	---
	15	1526	737	330	---	---	---	---
	20	2145	1036	437	---	---	---	---
160	10	1048	505	296	---	---	---	---
	15	1744	842	392	---	---	---	---
	20	2451	1184	520	---	---	---	---
180	10	1179	568	323	---	---	---	---
	15	1962	948	430	---	---	---	---
	20	2758	1332	569	---	---	---	---
200	10	1310	631	352	---	---	---	---
	15	2180	1053	496	---	---	---	---
	20	3064	1480	618	---	---	---	---
220	10	1441	694	403	---	---	---	---
	15	2398	1158	574	---	---	---	---
	20	3370	1628	717	---	---	---	---
240	10	1572	757	434	---	---	---	---
	15	2616	1264	615	---	---	---	---
	20	3677	1776	771	---	---	---	---
260	10	1703	820	463	---	---	---	---
	15	2834	1369	657	---	---	---	---
	20	3983	1924	825	---	---	---	---
280	10	1834	884	493	---	---	---	---
	15	3052	1474	698	---	---	---	---
	20	4290	2072	876	---	---	---	---
300	10	1965	947	520	---	---	---	---
	15	3270	1579	735	---	---	---	---
	20	4596	2220	928	---	---	---	---

Installation in a wall recess is also available in heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# INSTALLATION IN A WALL RECESS ■ H 030

BIWW.030 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	330	160	119	11	448	213	233
	15	544	264	141	16	592	279	275
	20	762	370	167	21	779	365	287
050	10	413	200	131	11	561	267	251
	15	680	330	159	16	740	349	300
	20	953	463	186	21	974	456	318
060	10	496	240	141	11	673	320	271
	15	815	396	175	16	888	418	326
	20	1144	556	209	21	1169	547	350
070	10	578	280	166	11	785	373	311
	15	951	462	207	16	1036	488	381
	20	1334	648	249	21	1364	639	411
080	10	661	320	179	11	897	426	332
	15	1087	528	223	16	1184	558	410
	20	1525	741	271	21	1558	730	444
090	10	743	360	194	11	1009	479	351
	15	1223	594	243	16	1332	628	440
	20	1715	834	293	21	1753	821	476
100	10	826	400	214	11	1121	533	384
	15	1359	660	270	16	1480	697	488
	20	1906	926	330	21	1948	912	534
110	10	909	440	227	11	1233	586	408
	15	1495	727	290	16	1628	767	517
	20	2097	1019	354	21	2143	1003	569
120	10	991	480	241	11	1345	639	426
	15	1631	793	305	16	1776	837	544
	20	2287	1112	376	21	2338	1095	602
140	10	1156	560	273	11	1569	745	477
	15	1903	925	350	16	2072	976	614
	20	2668	1297	457	21	2727	1277	728
160	10	1322	640	320	11	1794	852	559
	15	2174	1057	414	16	2368	1116	728
	20	3050	1482	542	21	3117	1460	860
180	10	1487	720	350	11	2018	959	603
	15	2446	1189	454	16	2664	1255	792
	20	3431	1668	594	21	3506	1642	937
200	10	1652	800	379	11	2242	1065	652
	15	2718	1321	524	16	2960	1395	913
	20	3812	1853	647	21	3896	1824	1015
220	10	1817	880	433	11	2466	1172	745
	15	2990	1453	603	16	3256	1534	1050
	20	4193	2038	747	21	4286	2007	1173
240	10	1982	960	469	11	2690	1278	801
	15	3262	1585	651	16	3552	1674	1127
	20	4574	2223	807	21	4675	2189	1264
260	10	2148	1040	499	11	2915	1385	851
	15	3533	1717	692	16	3848	1813	1195
	20	4956	2409	859	21	5065	2372	1346
280	10	2313	1120	533	11	3139	1491	901
	15	3805	1849	736	16	4144	1953	1268
	20	5337	2594	917	21	5454	2554	1431
300	10	2478	1200	561	11	3363	1598	950
	15	4077	1981	777	16	4440	2092	1335
	20	5718	2779	969	21	5844	2736	1510

EN442 output at  
20°C room temperature

Installation in a wall recess is also available in  
heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

# H040 - INSTALLATION IN A WALL RECESS

BIWW.040 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	385	187	127	11	506	241	241
	15	627	306	154	16	680	320	286
	20	878	429	178	21	910	424	296
050	10	482	234	137	11	632	300	260
	15	784	383	170	16	850	400	312
	20	1098	537	199	21	1137	530	330
060	10	578	281	154	11	758	360	281
	15	941	460	186	16	1020	480	339
	20	1318	645	220	21	1364	636	362
070	10	674	328	178	11	885	421	322
	15	1098	537	219	16	1190	560	396
	20	1537	752	262	21	1592	742	425
080	10	770	375	193	11	1011	481	341
	15	1254	613	239	16	1360	639	424
	20	1757	859	285	21	1819	848	458
090	10	867	422	204	11	1138	541	363
	15	1411	690	257	16	1530	719	456
	20	1976	966	309	21	2047	954	493
100	10	963	469	227	11	1264	601	401
	15	1568	766	287	16	1700	799	503
	20	2196	1074	345	21	2274	1060	551
110	10	1059	515	243	11	1390	661	423
	15	1725	843	309	16	1870	879	536
	20	2416	1182	372	21	2501	1166	589
120	10	1156	562	255	11	1517	721	444
	15	1882	920	324	16	2040	959	564
	20	2635	1289	394	21	2729	1272	622
140	10	1348	656	293	11	1770	841	499
	15	2195	1073	375	16	2380	1119	641
	20	3074	1503	480	21	3184	1484	753
160	10	1541	750	341	11	2022	961	581
	15	2509	1226	441	16	2720	1279	755
	20	3514	1718	570	21	3638	1696	889
180	10	1733	843	373	11	2275	1081	629
	15	2822	1379	482	16	3060	1439	823
	20	3953	1933	623	21	4093	1908	968
200	10	1926	937	409	11	2528	1202	679
	15	3136	1533	557	16	3400	1599	946
	20	4392	2148	678	21	4548	2120	1050
220	10	2119	1031	464	11	2781	1322	776
	15	3450	1686	638	16	3740	1759	1085
	20	4831	2363	781	21	5003	2332	1209
240	10	2311	1124	502	11	3034	1442	835
	15	3763	1839	690	16	4080	1918	1167
	20	5270	2577	846	21	5458	2544	1303
260	10	2504	1218	536	11	3286	1562	888
	15	4077	1993	734	16	4420	2078	1238
	20	5710	2792	900	21	5912	2755	1388
280	10	2696	1312	571	11	3539	1682	941
	15	4390	2146	782	16	4760	2238	1315
	20	6149	3007	962	21	6367	2968	1476
300	10	2889	1406	602	11	3792	1802	992
	15	4704	2299	825	16	5100	2398	1385
	20	6588	3222	1015	21	6822	3180	1557

Installation in a wall recess is also available in heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# INSTALLATION IN A WALL RECESS ■ H 050

BIWW.050 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	430	210	135	11	554	263	249
	15	694	341	163	16	759	356	294
	20	970	477	187	21	1033	479	309
050	10	538	263	147	11	693	330	269
	15	867	426	179	16	949	445	322
	20	1213	597	209	21	1291	599	339
060	10	646	316	162	11	832	396	290
	15	1040	511	199	16	1139	534	352
	20	1455	716	234	21	1549	719	375
070	10	753	368	192	11	970	461	334
	15	1214	597	233	16	1329	624	409
	20	1698	835	277	21	1807	839	440
080	10	861	421	202	11	1109	527	355
	15	1387	682	251	16	1518	712	439
	20	1940	954	299	21	2066	959	474
090	10	968	473	217	11	1247	593	377
	15	1561	768	272	16	1708	801	472
	20	2183	1074	324	21	2324	1079	509
100	10	1076	526	243	11	1386	659	414
	15	1734	853	301	16	1898	891	520
	20	2425	1193	363	21	2582	1198	569
110	10	1184	579	259	11	1525	725	440
	15	1907	938	324	16	2088	980	554
	20	2668	1312	391	21	2840	1318	607
120	10	1291	631	272	11	1663	791	461
	15	2081	1023	341	16	2278	1069	583
	20	2910	1431	413	21	3098	1438	642
140	10	1506	736	314	11	1940	923	520
	15	2428	1194	397	16	2657	1247	663
	20	3395	1670	507	21	3615	1678	778
160	10	1722	842	365	11	2218	1055	603
	15	2774	1364	465	16	3037	1425	781
	20	3880	1908	597	21	4131	1917	916
180	10	1937	947	398	11	2495	1187	656
	15	3121	1535	510	16	3416	1603	851
	20	4365	2147	652	21	4648	2157	996
200	10	2152	1052	435	11	2772	1318	710
	15	3468	1706	587	16	3796	1781	976
	20	4850	2385	712	21	5164	2397	1083
220	10	2367	1157	495	11	3049	1450	808
	15	3815	1876	671	16	4176	1959	1117
	20	5335	2624	815	21	5680	2636	1243
240	10	2582	1262	537	11	3326	1582	870
	15	4162	2047	727	16	4555	2137	1204
	20	5820	2862	886	21	6197	2876	1344
260	10	2798	1368	571	11	3604	1714	926
	15	4508	2217	773	16	4935	2316	1278
	20	6305	3101	944	21	6713	3116	1430
280	10	3013	1473	612	11	3881	1846	981
	15	4855	2388	825	16	5314	2493	1356
	20	6790	3339	1008	21	7230	3356	1520
300	10	3228	1578	644	11	4158	1977	1034
	15	5202	2558	869	16	5694	2672	1428
	20	7275	3578	1063	21	7746	3595	1604

EN442 output at  
20°C room temperature

Installation in a wall recess is also available in  
heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

# H060 - INSTALLATION IN A WALL RECESS

BIWW.060 LLL TT

L	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
040	10	468	230	144	11	598	285	259
	15	746	369	171	16	834	391	301
	20	1043	516	197	21	1153	533	317
050	10	585	287	157	11	747	355	279
	15	933	462	186	16	1042	488	332
	20	1304	645	217	21	1441	666	350
060	10	702	345	174	11	896	426	301
	15	1120	554	209	16	1250	585	362
	20	1565	774	243	21	1729	799	383
070	10	819	402	202	11	1046	498	345
	15	1306	646	244	16	1459	683	419
	20	1826	904	287	21	2017	932	452
080	10	936	460	216	11	1195	569	369
	15	1493	739	262	16	1667	781	450
	20	2086	1032	311	21	2306	1066	486
090	10	1053	517	234	11	1345	640	394
	15	1679	831	285	16	1876	878	484
	20	2347	1161	337	21	2594	1199	522
100	10	1170	575	259	11	1494	711	432
	15	1866	923	317	16	2084	976	535
	20	2608	1291	378	21	2882	1332	582
110	10	1287	632	277	11	1643	782	457
	15	2053	1016	340	16	2292	1073	569
	20	2869	1420	406	21	3170	1465	623
120	10	1404	689	291	11	1793	853	479
	15	2239	1108	360	16	2501	1171	600
	20	3130	1549	430	21	3458	1598	658
140	10	1638	804	337	11	2092	995	544
	15	2612	1293	417	16	2918	1366	683
	20	3651	1807	529	21	4035	1865	800
160	10	1872	919	391	11	2390	1137	630
	15	2986	1478	489	16	3334	1561	803
	20	4173	2065	620	21	4611	2131	938
180	10	2106	1034	426	11	2689	1279	683
	15	3359	1662	536	16	3751	1756	875
	20	4694	2323	677	21	5188	2398	1021
200	10	2340	1149	469	11	2988	1422	742
	15	3732	1847	616	16	4168	1952	1007
	20	5216	2581	740	21	5764	2664	1111
220	10	2574	1264	531	11	3287	1564	841
	15	4105	2031	701	16	4585	2147	1147
	20	5738	2840	847	21	6340	2931	1273
240	10	2808	1379	576	11	3586	1706	911
	15	4478	2216	761	16	5002	2342	1236
	20	6259	3097	918	21	6917	3197	1377
260	10	3042	1494	613	11	3884	1848	966
	15	4852	2401	809	16	5418	2537	1315
	20	6781	3356	979	21	7493	3464	1466
280	10	3276	1609	656	11	4183	1990	1026
	15	5225	2586	861	16	5835	2732	1395
	20	7302	3614	1046	21	8070	3730	1560
300	10	3510	1724	691	11	4482	2133	1080
	15	5598	2770	911	16	6252	2928	1469
	20	7824	3872	1104	21	8646	3997	1646

Installation in a wall recess is also available in heights 70 and 90 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## IGUANA CIRCO WALL

A child's drawing of the sun.

Inspired by a child's drawing, the Iguana Circo is an interpretation of the brightly shining sun, transformed into a fully functional work of art. Iguana has the essential, natural yet light hearted touch that creates a feeling of real warmth in its modern design. It's heating straight from the soul. Iguana Circo was the first "sun radiator". Available as a wall model, freestanding or to assemble around architectural columns.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
GUTHER HEINZ 2000

IGUANA CIRCO WALL traffic white 333

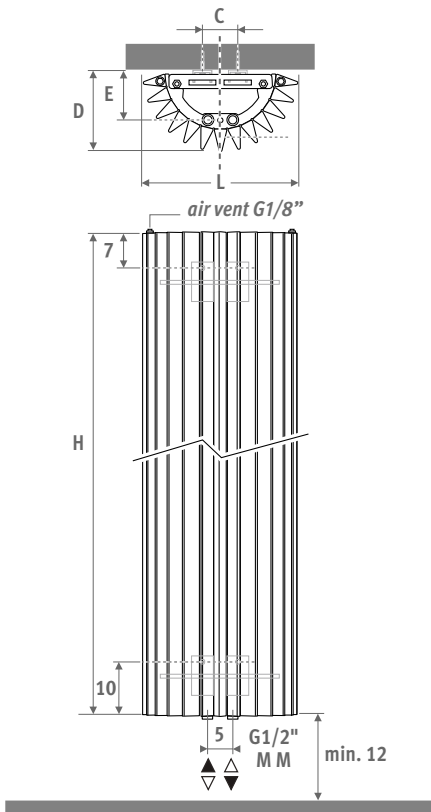




# IGUANA CIRCO WALL

# IGUANA CIRCO WALL

## DIMENSIONS (in cm)



L	C	D	E
27.8	7.4	14.2	7.7
31.3	10.8	15.7	9.6
34.8	14.4	17.7	11.5

## DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

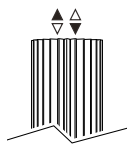
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.




## CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	300
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	126
	CODE.PW3.AC.1...	143

fill in sleeve coupling code

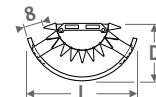
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

## OPTIONS

### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L rad.	L	D	€
<b>Towel rail</b>				
9087.013427	ø 27	43	22	288
9087.013427	ø 31	43	22	288
9087.013493	ø 34	49	25	288
<b>Hat rack</b>				
9087.014427	ø 27	43	22	330
9087.014427	ø 31	43	22	330
9087.014493	ø 34	49	25	330

### Connection set with guard

See "Connection sets and Valves" set 43 and 44.

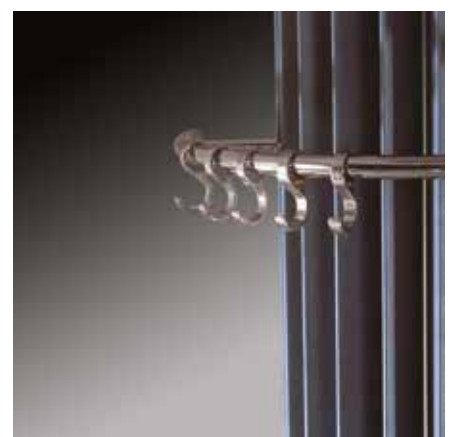
Attention! floorboards need to be removed for the guard.



## CIRCO WALL

*code*   *height*   *length*   *colour*   *conn.*  
**CIRW . 180 027 . XXX /MM**  
*fill in colour code*  

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
027	801	381	701	841
031	946	450	807	969
034	1092	520	915	1098
<b>L H 192</b>				
027	854	410	727	873
031	1009	485	840	1007
034	1164	559	953	1143
<b>L H 200</b>				
027	887	429	744	893
031	1048	507	861	1031
034	1209	585	974	1168
<b>L H 220</b>				
027	961	472	786	945
031	1136	558	910	1091
034	1311	644	1032	1238
<b>L H 240</b>				
027	1024	511	828	994
031	1210	604	959	1152
034	1397	697	1091	1310



# jaga

CLIMATE DESIGNERS

## IGUANA APLANO

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

With the Iguana Aplano the slim triangular radiant pipes are placed alongside each other in a flat plane. Elegant simplicity with a frivolous touch.

Also available as "Plus" version for low flow temperatures.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
Sonderausstellung 2000

### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

#### IGUANA APLANO

traffic white 333, optional towel rail





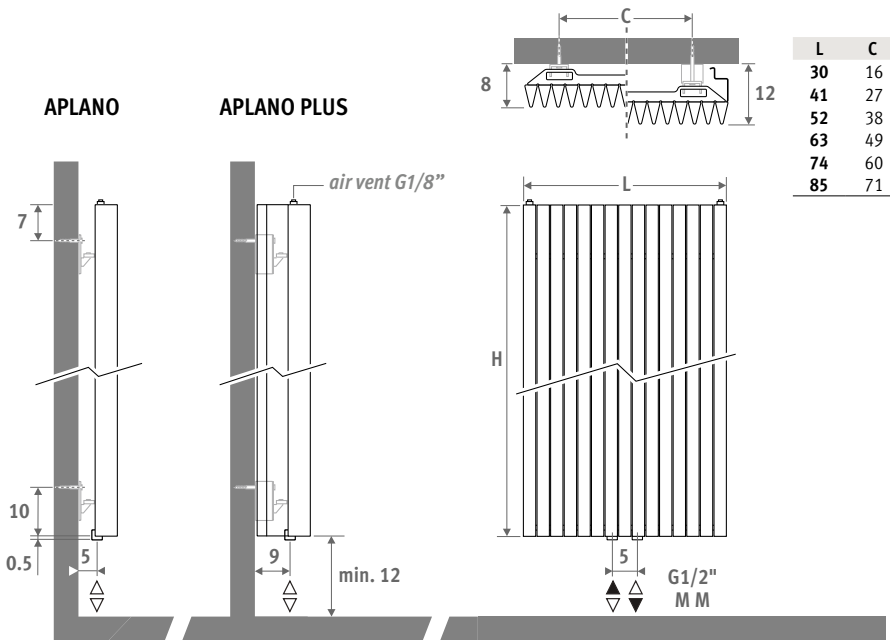
IGUANA APLANO

# IGUANA APLANO

DIMENSIONS (in cm)



## APLANO APLANO PLUS



L	C
30	16
41	27
52	38
63	49
74	60
85	71

### DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

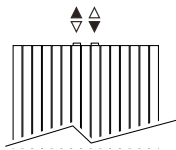
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

### CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

### CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

#### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	300
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	126
	CODE.PW3.AC.1...	143

fill in sleeve coupling code

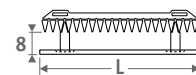
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

#### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

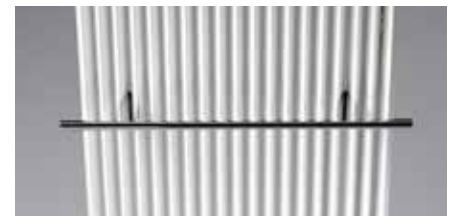
### OPTIONS

#### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator	€
<b>Towel rail</b>			
9087.033560	56	41-52-63-74-85	288
9087.033660	66	63-74-85	288



CODE	L	L radiator	€
<b>Hat rack</b>			
9087.034560	56	41-52-63-74-85	330
9087.034660	66	63-74-85	330



## APLANO

code	height	length	colour	conn.
<b>APLW .</b>	<b>180</b>	<b>030 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
--	----------------	----------------	-----------------	------------

L	H 180			
030	700	349	638	764
041	954	476	831	997
052	1208	603	1029	1234
063	1463	730	1222	1467
074	1717	857	1417	1700
085	1972	984	1612	1935

L	H 192			
030	733	366	662	795
041	999	499	865	1038
052	1265	632	1068	1281
063	1532	766	1272	1526
074	1798	899	1474	1768
085	2065	1032	1678	2013

L	H 200			
030	754	377	677	813
041	1028	515	886	1065
052	1302	652	1095	1315
063	1576	789	1301	1563
074	1850	926	1512	1815
085	2124	1063	1721	2066

L	H 220			
030	804	403	715	859
041	1097	551	938	1126
052	1389	697	1161	1393
063	1681	844	1386	1663
074	1974	991	1610	1929
085	2266	1137	1833	2199

L	H 240			
030	851	428	754	906
041	1161	584	992	1191
052	1471	740	1231	1474
063	1780	896	1467	1760
074	2090	1052	1706	2045
085	2399	1208	1942	2330

## IGUANA APLANO

### APLANO PLUS

code	height	length	colour	conn.
<b>APPW .</b>	<b>180</b>	<b>030 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
--	----------------	----------------	-----------------	------------

L	H 180			
030	964	461	828	993
041	1314	628	1080	1297
052	1664	795	1335	1602
063	2015	963	1589	1906
074	2365	1131	1841	2211
085	2716	1298	2096	2515

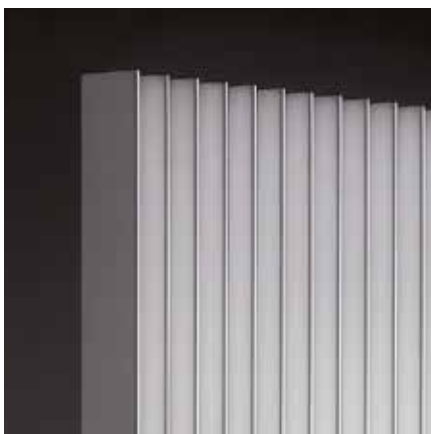
L	H 192			
030	997	476	861	1032
041	1359	649	1125	1349
052	1721	822	1388	1664
063	2084	996	1651	1983
074	2446	1169	1917	2301
085	2809	1342	2181	2617

L	H 200			
030	1018	486	877	1055
041	1388	663	1152	1380
052	1758	840	1422	1710
063	2128	1017	1694	2033
074	2498	1194	1966	2361
085	2868	1370	2239	2687

L	H 220			
030	1070	511	930	1116
041	1460	697	1219	1463
052	1849	883	1510	1813
063	2238	1069	1802	2161
074	2627	1255	2091	2510
085	3016	1440	2383	2859

L	H 240			
030	1121	535	980	1175
041	1529	729	1289	1548
052	1936	924	1597	1917
063	2344	1118	1906	2288
074	2751	1312	2217	2660
085	3159	1507	2526	3030

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## IGUANA ARCO & VISIO

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

With the Iguana Arco and Visio the slim triangular radiant pipes are built with a slight curve, giving the Iguana a new look from any angle.

The Iguana Visio's many functions have been expanded by the addition of a mirror. Perfect for halls or bedrooms.

Also available as "Plus" version for low flow temperatures.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
DAILY HEATING NEWS

IGUANA VISIO aluminium 006, optional towel rail





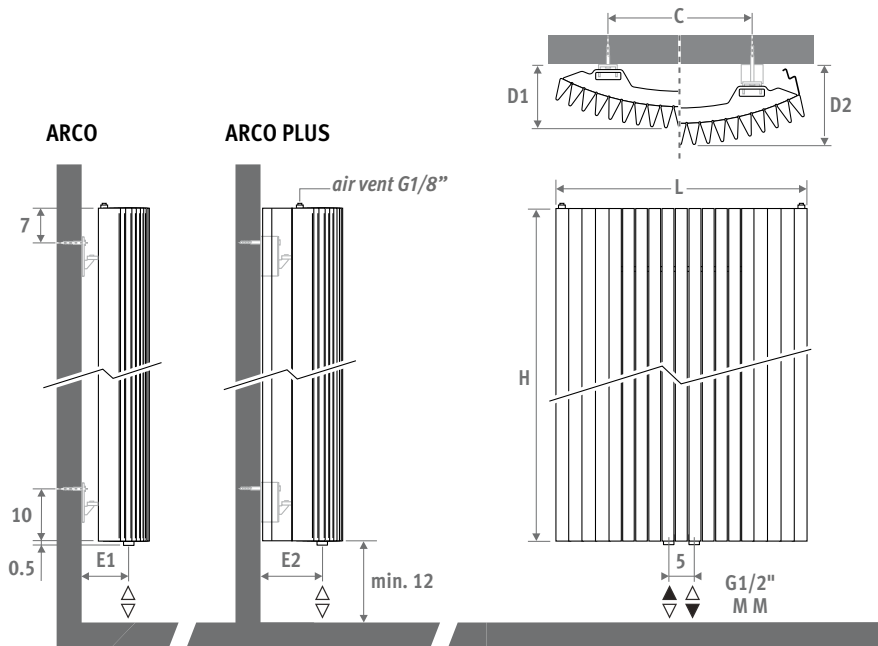
# IGUANA ARCO & VISIO

# IGUANA ARCO

DIMENSIONS (in cm)



## ARCO ARCO PLUS



L	C	D1	D2	E1	E2
29.8	10	10.1	14.1	4.1	8.1
41.0	20	11.1	16.1	5.1	10.1
51.9	30	12.7	17.7	6.7	11.7
62.5	40	12.2	17.2	6.2	11.2
73.3	50	13.7	18.7	7.7	12.7
83.9	60	15.7	20.7	9.7	14.7

### DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

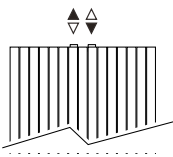
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

### CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

### CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

#### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



set 48

**BRUSHED STAINLESS STEEL** €



CODE.PW3.PS.1... 300

set 41

**CHROME** €



CODE.PW3.AW.1... 126



CODE.PW3.AC.1... 143

fill in sleeve coupling code

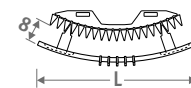
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

### OPTIONS

#### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator	€
<b>Towel rail</b>			
9087.023550	55	41-51	288
9087.023656	66	62-73-83	288
<b>Hat rack</b>			
9087.024550	55	41-51	330
9087.024656	66	62-73-83	330



### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

CODE	L	L radiator	€
<b>Hat rack</b>			
9087.024550	55	41-51	330
9087.024656	66	62-73-83	330





# IGUANA ARCO

## ARCO

code	height	length	colour	conn.
<b>ARCW .</b>	<b>180</b>	<b>029 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
<b>029</b>	791	394	<b>669</b>	<b>803</b>
<b>041</b>	1079	538	<b>873</b>	<b>1047</b>
<b>051</b>	1366	681	<b>1079</b>	<b>1295</b>
<b>062</b>	1654	824	<b>1285</b>	<b>1540</b>
<b>073</b>	1941	967	<b>1489</b>	<b>1787</b>
<b>083</b>	2229	1111	<b>1693</b>	<b>2031</b>
<b>L H 192</b>				
<b>029</b>	813	406	<b>694</b>	<b>832</b>
<b>041</b>	1109	554	<b>909</b>	<b>1090</b>
<b>051</b>	1404	701	<b>1121</b>	<b>1344</b>
<b>062</b>	1700	849	<b>1334</b>	<b>1600</b>
<b>073</b>	1995	996	<b>1549</b>	<b>1858</b>
<b>083</b>	2291	1144	<b>1761</b>	<b>2115</b>
<b>L H 200</b>				
<b>029</b>	826	413	<b>711</b>	<b>851</b>
<b>041</b>	1127	564	<b>931</b>	<b>1117</b>
<b>051</b>	1427	714	<b>1151</b>	<b>1379</b>
<b>062</b>	1727	864	<b>1369</b>	<b>1642</b>
<b>073</b>	2028	1014	<b>1588</b>	<b>1905</b>
<b>083</b>	2328	1164	<b>1807</b>	<b>2170</b>
<b>L H 220</b>				
<b>029</b>	858	431	<b>752</b>	<b>901</b>
<b>041</b>	1170	587	<b>986</b>	<b>1184</b>
<b>051</b>	1482	744	<b>1219</b>	<b>1464</b>
<b>062</b>	1794	900	<b>1456</b>	<b>1746</b>
<b>073</b>	2106	1057	<b>1691</b>	<b>2027</b>
<b>083</b>	2418	1213	<b>1924</b>	<b>2309</b>
<b>L H 240</b>				
<b>029</b>	886	446	<b>791</b>	<b>952</b>
<b>041</b>	1208	608	<b>1040</b>	<b>1250</b>
<b>051</b>	1530	770	<b>1291</b>	<b>1550</b>
<b>062</b>	1852	932	<b>1540</b>	<b>1848</b>
<b>073</b>	2174	1094	<b>1791</b>	<b>2148</b>
<b>083</b>	2496	1256	<b>2039</b>	<b>2447</b>

## ARCO PLUS

code	height	length	colour	conn.
<b>ARPW .</b>	<b>180</b>	<b>029 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

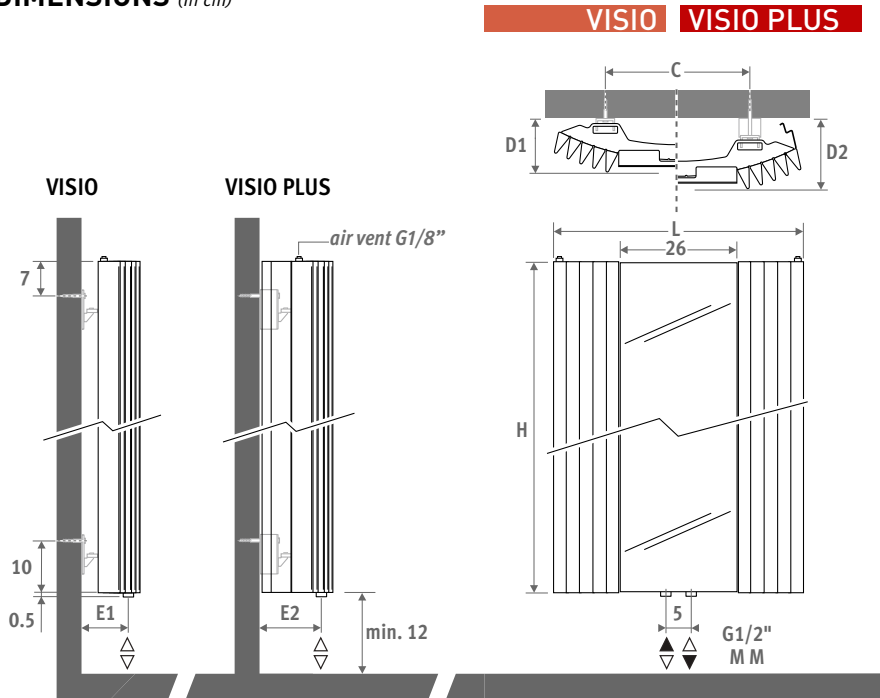
	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
<b>029</b>	999	492	<b>870</b>	<b>1044</b>
<b>041</b>	1362	670	<b>1135</b>	<b>1364</b>
<b>051</b>	1725	849	<b>1403</b>	<b>1683</b>
<b>062</b>	2088	1027	<b>1670</b>	<b>2003</b>
<b>073</b>	2452	1207	<b>1935</b>	<b>2321</b>
<b>083</b>	2815	1385	<b>2200</b>	<b>2640</b>
<b>L H 192</b>				
<b>029</b>	1046	516	<b>905</b>	<b>1083</b>
<b>041</b>	1427	704	<b>1182</b>	<b>1417</b>
<b>051</b>	1807	892	<b>1457</b>	<b>1747</b>
<b>062</b>	2187	1080	<b>1735</b>	<b>2083</b>
<b>073</b>	2568	1268	<b>2013</b>	<b>2415</b>
<b>083</b>	2948	1455	<b>2290</b>	<b>2749</b>
<b>L H 200</b>				
<b>029</b>	1076	532	<b>923</b>	<b>1109</b>
<b>041</b>	1467	726	<b>1210</b>	<b>1452</b>
<b>051</b>	1858	919	<b>1495</b>	<b>1794</b>
<b>062</b>	2249	1112	<b>1779</b>	<b>2135</b>
<b>073</b>	2641	1306	<b>2064</b>	<b>2478</b>
<b>083</b>	3032	1500	<b>2350</b>	<b>2822</b>
<b>L H 220</b>				
<b>029</b>	1146	569	<b>977</b>	<b>1171</b>
<b>041</b>	1563	777	<b>1281</b>	<b>1537</b>
<b>051</b>	1980	984	<b>1585</b>	<b>1903</b>
<b>062</b>	2397	1191	<b>1892</b>	<b>2270</b>
<b>073</b>	2813	1398	<b>2196</b>	<b>2635</b>
<b>083</b>	3230	1605	<b>2500</b>	<b>3001</b>
<b>L H 240</b>				
<b>029</b>	1210	604	<b>1030</b>	<b>1236</b>
<b>041</b>	1650	824	<b>1355</b>	<b>1625</b>
<b>051</b>	2090	1043	<b>1678</b>	<b>2014</b>
<b>062</b>	2530	1263	<b>2003</b>	<b>2403</b>
<b>073</b>	2970	1483	<b>2327</b>	<b>2793</b>
<b>083</b>	3410	1702	<b>2652</b>	<b>3180</b>

EN442 output at 20°C room temperature



# IGUANA VISIO

DIMENSIONS (in cm)



L	C	D1	D2	E1	E2
51.9	30	10.5	15.5	6.7	11.7
62.5	40	11.0	16.0	6.2	11.2
73.3	50	12.5	17.5	7.7	12.7

## DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

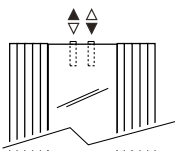
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49. Max. 2 radiators per heating ring.

## CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	300
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	126
	CODE.PW3.AC.1...	143

fill in sleeve coupling code

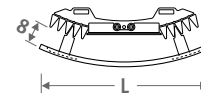
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

## OPTIONS

### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

CODE	L	L radiator	€
<b>Towel rail</b>			
9087.023550	55	51	288
9087.023656	66	62-73	288
<b>Hat rack</b>			
9087.024550	55	51	330
9087.024656	66	62-73	330



### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

CODE	L	L radiator	€
<b>Hat rack</b>			
9087.024550	55	41-51	330
9087.024656	66	62-73-83	330



### VISIO

code	height	length	colour	conn.
<b>VISW .</b>	<b>180</b>	<b>051 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
<b>051</b>	719	357	<b>928</b>	<b>1113</b>
<b>062</b>	1007	502	<b>1106</b>	<b>1328</b>
<b>073</b>	1294	645	<b>1269</b>	<b>1523</b>
<b>L H 200</b>				
<b>051</b>	751	376	<b>984</b>	<b>1177</b>
<b>062</b>	1051	526	<b>1175</b>	<b>1413</b>
<b>073</b>	1352	676	<b>1353</b>	<b>1623</b>
<b>L H 220</b>				
<b>051</b>	780	391	<b>1039</b>	<b>1249</b>
<b>062</b>	1092	548	<b>1248</b>	<b>1497</b>
<b>073</b>	1404	705	<b>1434</b>	<b>1721</b>

### IGUANA VISIO

### VISIO PLUS

code	height	length	colour	conn.
<b>VIPW .</b>	<b>180</b>	<b>051 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code _____				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
<b>051</b>	908	447	<b>1206</b>	<b>1446</b>
<b>062</b>	1271	625	<b>1439</b>	<b>1724</b>
<b>073</b>	1634	804	<b>1650</b>	<b>1981</b>
<b>L H 200</b>				
<b>051</b>	978	484	<b>1279</b>	<b>1534</b>
<b>062</b>	1369	677	<b>1530</b>	<b>1836</b>
<b>073</b>	1760	871	<b>1758</b>	<b>2109</b>
<b>L H 220</b>				
<b>051</b>	1042	518	<b>1352</b>	<b>1623</b>
<b>062</b>	1459	725	<b>1621</b>	<b>1945</b>
<b>073</b>	1876	932	<b>1867</b>	<b>2240</b>

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## IGUANA CORNER

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

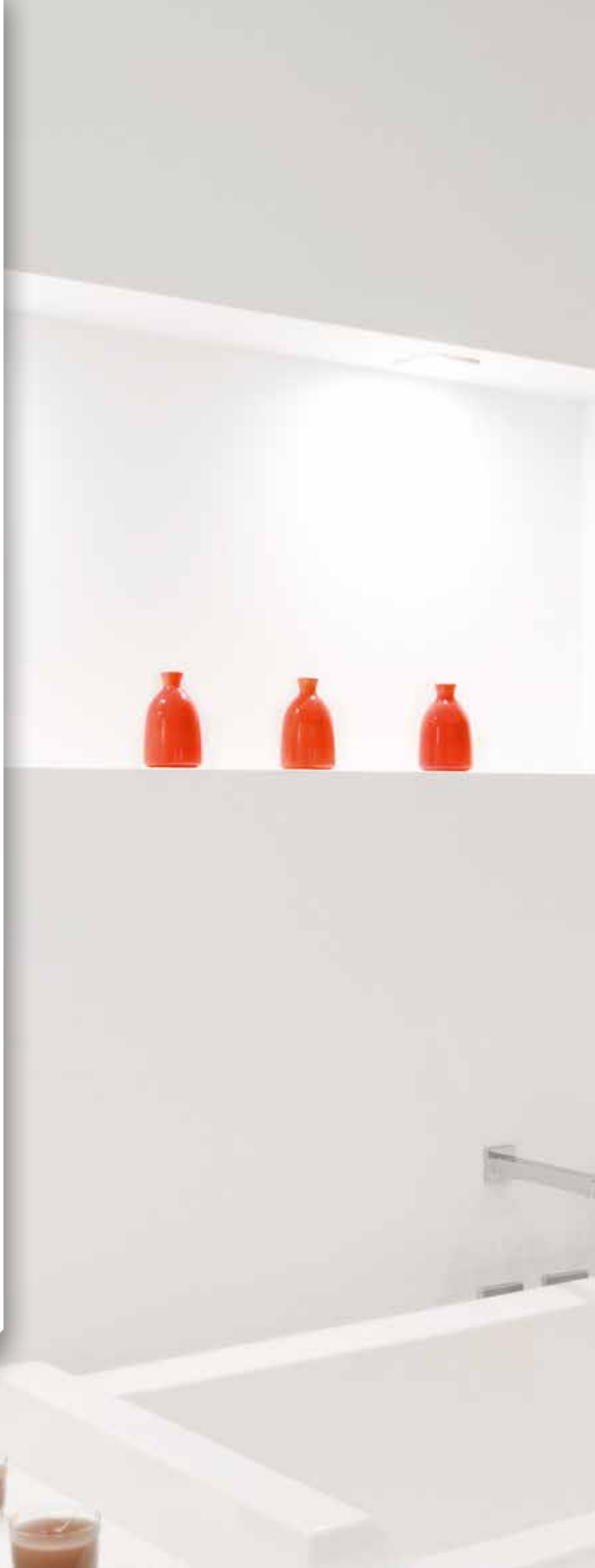
The only thing the Iguana Corner needs to provide heat: a quiet little corner. Also available in heights 125 and 150 cm, specially designed for installation above the bathtub.

Also available as "Plus" version for low flow temperatures.



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
Good Heating Idea



IGUANA CORNER traffic white 333, optional towel rail



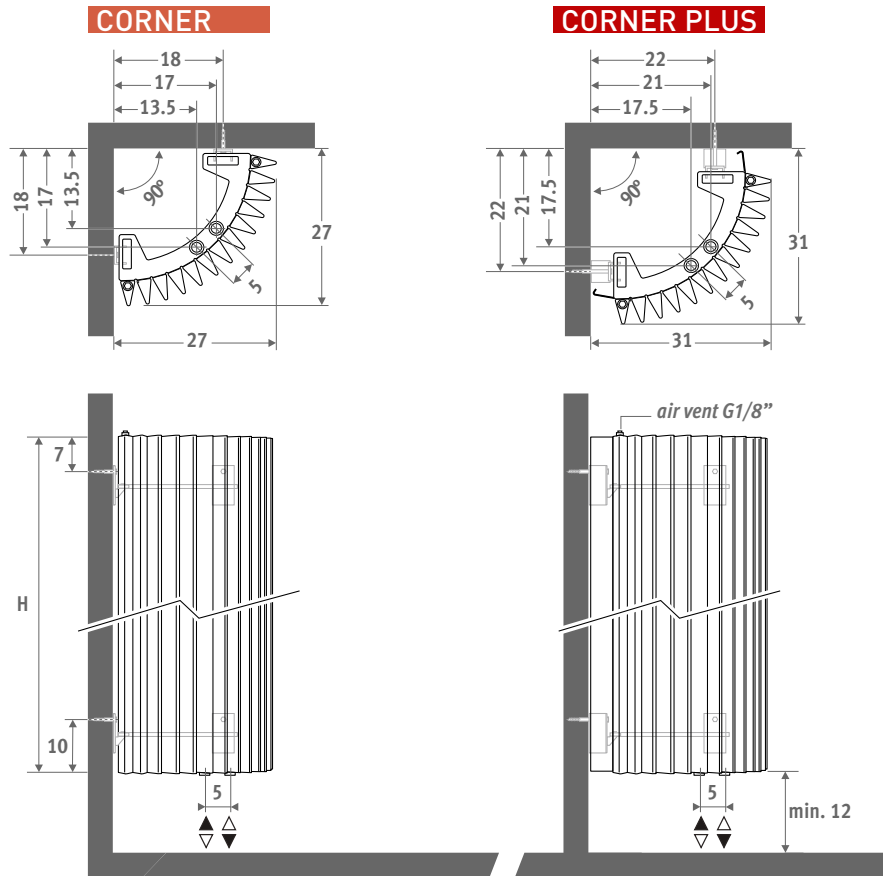


IGUANA CORNER

# IGUANA CORNER



## DIMENSIONS (in cm)



### DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- Iguana Plus is supplied with two side panels

### COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

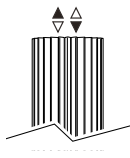
Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%

Other colours: see colour chart.

### CONNECTION

Top connection:  
specify code 45 or 54 instead of MM (1° number is flow).  
No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection:  
connection sets 41, 42, 48 or 49.  
Max. 2 radiators per heating ring.

### CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

#### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



set 48

**BRUSHED STAINLESS STEEL**

€



CODE.PW3.PS.1...

300

set 41

**CHROME**

€



CODE.PW3.AW.1...

126



CODE.PW3.AC.1...

143

fill in sleeve coupling code

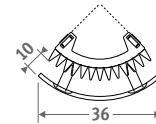
Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

#### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

### OPTIONS

#### Towel rail / hat rack in chrome-plated aluminium



Hat rack consists of a towel rail and 5 coat hooks

<b>CODE</b>	€
<b>Towel rail</b>	
9087.043466	288



#### IGUANA WITH TOWEL RACK:

combines functionality with a high heat efficiency.

<b>CODE</b>	<b>L</b>	<b>L radiator</b>	€
<b>Hat rack</b>			
9087.044466			330



*Iguana+*  
COLLECTION  
40% more warmth

**CORNER**

code	height	length	colour	conn.
<b>CORW .</b>	<b>125</b>	<b>027 .</b>	<b>XXX</b>	<b>/MM</b>
		fill in colour code —		

L	H	Watts		€	
		75/65	55/45	st. colour	other
027	125	723	331	961	1153
	150	834	381	986	1184
	180	967	439	1056	1269
	192	1021	463	1098	1319
	200	1058	479	1124	1347
	220	1149	519	1190	1427
	240	1242	559	1258	1510

**IGUANA CORNER**

**CORNER PLUS**

code	height	length	colour	conn.
<b>COPW .</b>	<b>125</b>	<b>031 .</b>	<b>XXX</b>	<b>/MM</b>
		fill in colour code —		

L	H	Watts		€	
		75/65	55/45	st. colour	other
031	125	860	433	1250	1500
	150	990	497	1281	1537
	180	1145	572	1374	1649
	192	1207	602	1427	1713
	200	1249	622	1461	1753
	220	1352	672	1546	1856
	240	1458	723	1635	1964

EN442 output at 20°C room temperature



# jaga

CLIMATE DESIGNERS

## IGUANA ANGULA PLUS

Warmth with a symbolic value. Inspired by a child's drawing, an interpretation of the brightly shining sun, transformed into a fully functional work of art.

A radiator around the corner. Great capacity in a small space. A special solution, both energy-wise and aesthetically!



Top 10  
Design  
Award  
Winner  
2000

ISH 1999  
DESIGN PLUS  
SINCE 1999

IGUANA ANGULA traffic white 333







IGUANA ANGUOLA PLUS

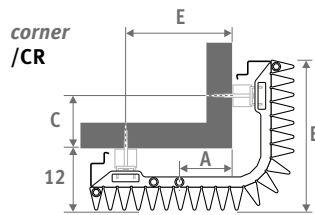


# IGUANA ANGULA PLUS

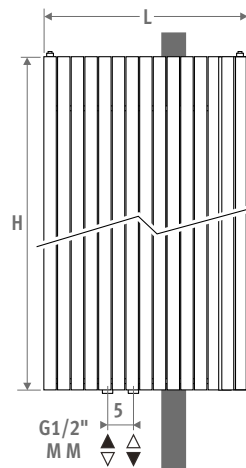
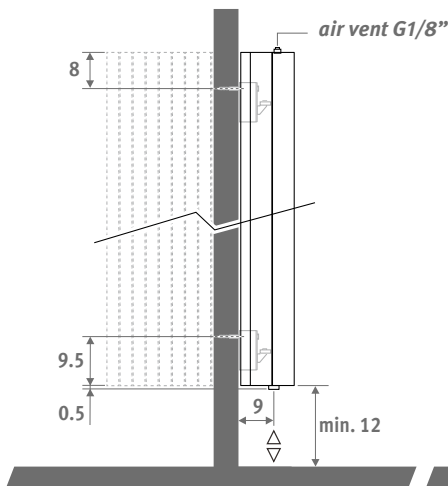
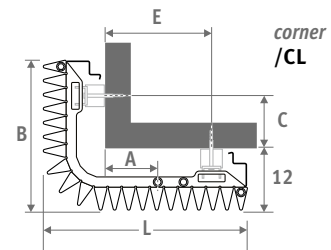
DIMENSIONS (in cm)



## ANGULA PLUS / CR



## ANGULA PLUS / CL



L	A	B	C	E
40.0	10.5	29.0	10.0	21.0
45.5	13.0	34.5	15.5	26.5
51.0	16.0	40.0	21.0	32.0

## DELIVERY

- central connection MM underneath
- wall fixing
- 2 chrome-plated air vents G1/8"
- 2 side panels

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

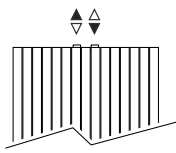
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Top connection: specify code 45 or 54 instead of MM (1° number is flow).

No insert pipe should be ordered. Provide an air vent on the central heating pipework.



One pipe connection: connection sets 41, 42, 48 or 49.  
Max. 2 radiators per heating ring.



## CONNECTION SETS

To guarantee the output of the Iguana models and to limit the pressure drop, Jaga recommends the use of 15/1 minimum diameter pipes.

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	300
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	126
	CODE.PW3.AC.1...	143

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information



# IGUANA ANGULA PLUS

code	height	length	colour	conn.	corner
ANPW .	180	040 .	XXX /MM /XX		
		fill in colour code	└─┘		┌─┘
			CL or CR		

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
040	1745	866	1588	1905
046	2078	1032	1848	2218
051	2410	1196	2107	2530
<b>L H 192</b>				
040	1823	911	1690	2027
046	2170	1084	1945	2334
051	2517	1257	2202	2642
<b>L H 220</b>				
040	1978	1002	1882	2261
046	2355	1193	2155	2585
051	2732	1385	2427	2912
<b>L H 240</b>				
040	2066	1058	1986	2384
046	2460	1260	2273	2727
051	2854	1461	2559	3072

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

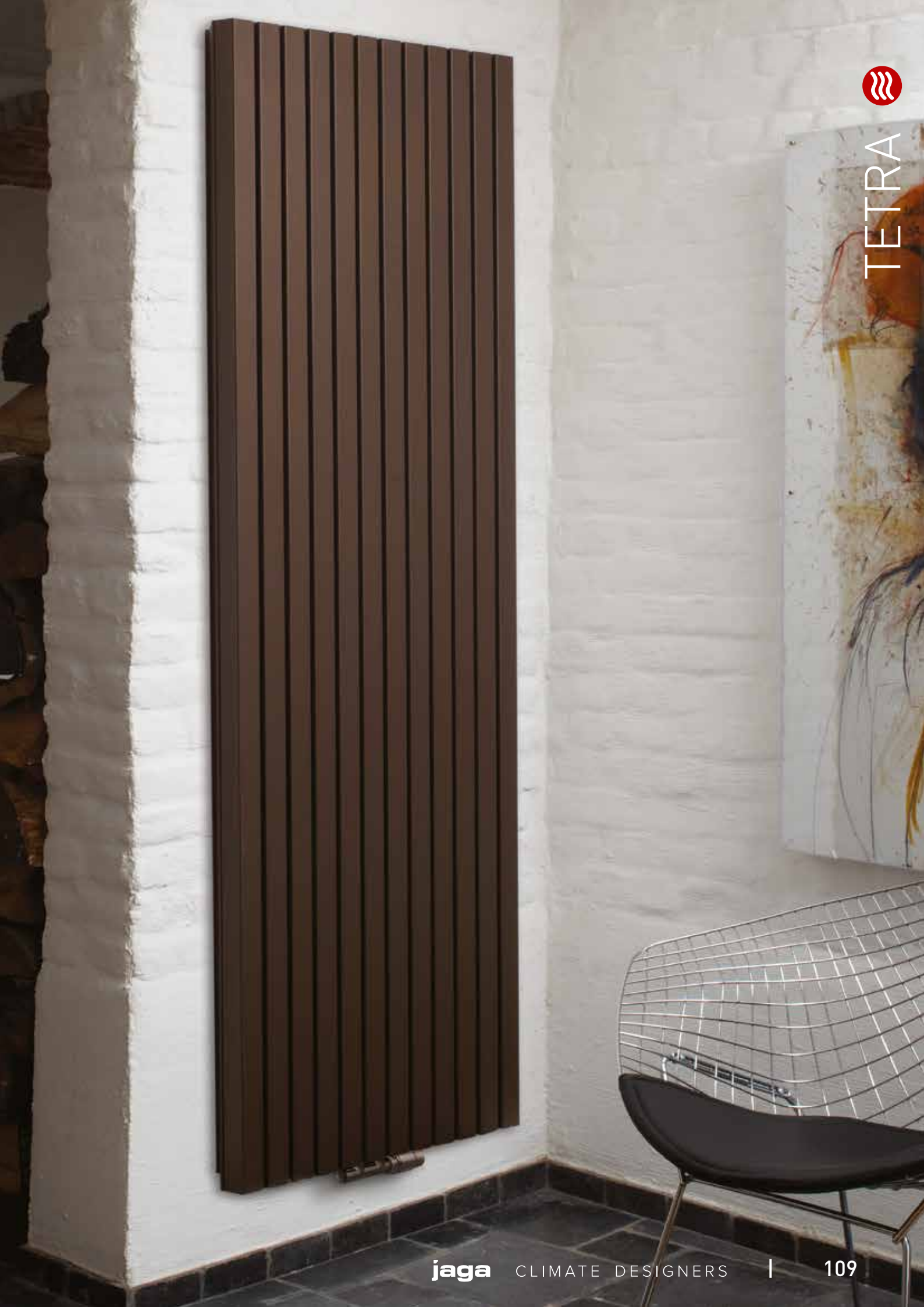
## TETRA

Square perfection

The Tetra from Jaga joins a series of chunky square heating elements together into one stylish radiator. Together they emit an incredible amount of heat. Rock solid Jaga quality with a light touch.

TETRA traffic white 333

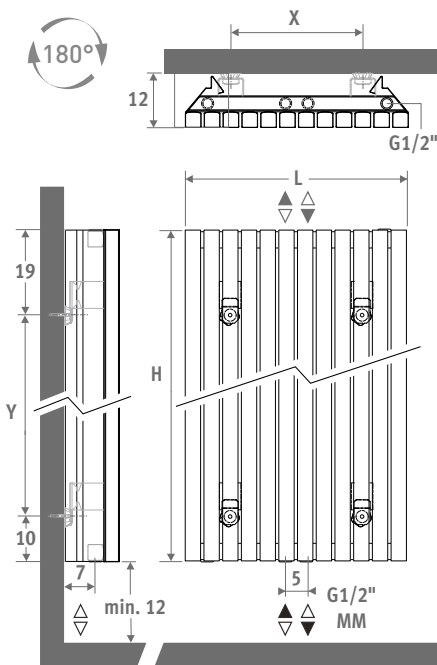




TETRA



## DIMENSIONS (in cm)



code	height	length	colour	conn.
TETW .	180	033 .	XXX	/MM
fill in colour code —				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
--	----------------	----------------	-----------------	------------

L	H 180			
033	984	513	994	1194
041	1230	641	1176	1414
050	1476	770	1429	1717
058	1722	898	1639	1967
067	1986	1036	1893	2272

L	H 200			
033	1120	578	1069	1282
041	1400	722	1264	1517
050	1680	867	1537	1844
058	1960	1011	1763	2116
067	2240	1156	2036	2444

EN 442 output at 20°C room temperature

## DELIVERY

- central connection MM underneath
- wall fixing
- chrome-plated air vent and drain plug G1/2"
- 2 side panels

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

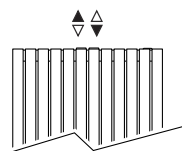
- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection:  
central connection (code MM)

Tetra is symmetrical and can be mounted either way up.



One pipe connection:




connection sets 41, 42, 48 or 49  
Max. 2 radiators per heating ring.

## CONNECTION SETS

### Connection to the wall with Deco-Pro valve

TRV head and sleeve couplings included.



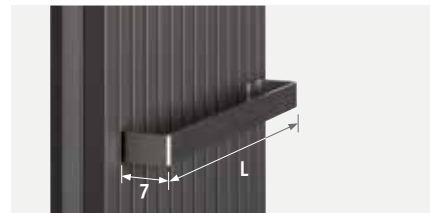
<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	300
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	126
	CODE.PW3.AC.1...	143
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	115
	Precision metal tube 16/1	116
	Precision metal tube 18/1	118
	RPE/ALU tube 16/2	316
	RPE/ALU tube 18/2	318

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves" for all connection options and technical information

## OPTIONS

### Towel rail in stainless steel



CODE	L	min. L radiator	€
9042.03329.011	33	33	202
9042.03413.011	41	41	202
9042.03497.011	50	50	202
9042.03581.011	58	58	202
9042.03665.011	67	67	202

### Towel rack in stainless steel



CODE	L	min. L radiator	€
9042.04329.011	33	33	301
9042.04413.011	41	41	301
9042.04497.011	50	50	301
9042.04581.011	58	58	301
9042.04665.011	67	67	301

# jaga

CLIMATE DESIGNERS

## PANEL PLUS

Elegant simplicity and power

Streamlined, elegant design. The Panel Plus can be fitted as a wall mounted radiator, but Jaga also offers a super compact, solid skirting model or horizontal version ! The simple design of the Panel Plus radiator with its hidden rear collectors provides an elegant simplicity that oozes quality.

Horizontal version: see p. 68.  
Freestanding version: see p. 156.

**PANEL PLUS VERTICAL** traffic white 333





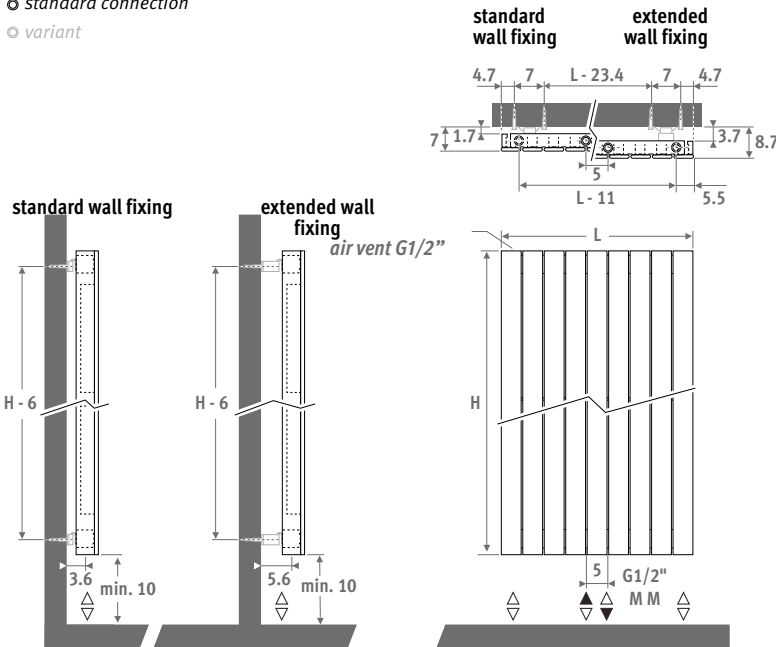


PANEL PLUS 



## DIMENSIONS (in cm)

- standard connection
- variant



## DELIVERY

- universal central connection MM and 18/81 underneath
- standard and extended wall fixings included
- chrome-plated air vent and 3 drain plugs G1/2"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

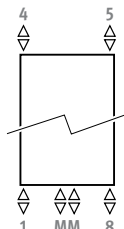
Code:

1° number = flow

2° number = return

Standard connection:

Universal central connection at the bottom, code MM, flow left or right. Connection 18 or 81 at the bottom is also possible with code MM.



Top connection (no surcharge): enter code 45 or 54, provide an air vent on the central heating pipework.

## CONNECTION SETS

### Connection to the wall with Deco-Pro valve

TRV head and sleeve couplings included.



set	DESCRIPTION	PRICE (€)
48	<b>BRUSHED STAINLESS STEEL</b>	
	CODE.PW3.PS.1...	300
41	<b>CHROME</b>	
	CODE.PW3.AW.1...	126
	CODE.PW3.AC.1...	143

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
Precision metal tube 18/1	118
RPE/ALU tube 16/2	316
RPE/ALU tube 18/2	318

### Other connections:

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

code height length colour conn.  
**PPVW . 180 024 . XXX /MM**  
 fill in colour code —

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
024	584	294	541	647
031	730	368	661	792
037	875	441	783	941
043	1021	514	907	1088
050	1167	588	1029	1234
056	1313	662	1151	1379
062	1459	735	1276	1531
069	1605	809	1356	1626
075	1751	882	1436	1722
081	1897	956	1515	1820
087	2043	1030	1598	1918
094	2189	1103	1676	2011
<b>L H 200</b>				
024	644	326	572	688
031	805	408	705	847
037	965	489	840	1006
043	1126	570	973	1167
050	1287	652	1106	1327
056	1448	733	1239	1488
062	1609	815	1376	1650
069	1770	897	1461	1754
075	1931	978	1548	1857
081	2092	1060	1634	1962
087	2253	1141	1719	2063
094	2414	1223	1804	2166
<b>L H 220</b>				
024	700	356	608	728
031	876	446	749	898
037	1051	535	894	1074
043	1226	624	1037	1246
050	1401	713	1182	1417
056	1576	802	1327	1591
062	1751	892	1473	1767
069	1926	981	1569	1880
075	2101	1070	1658	1989
081	2276	1159	1753	2102
087	2451	1248	1843	2212
094	2627	1338	1936	2324
<b>L H 240</b>				
024	754	386	642	772
031	943	482	796	954
037	1131	579	950	1140
043	1320	675	1106	1327
050	1508	771	1259	1512
056	1697	868	1414	1697
062	1885	964	1573	1885
069	2074	1061	1671	2006
075	2262	1157	1767	2122
081	2451	1254	1867	2240
087	2639	1350	1965	2359
094	2828	1447	2062	2474

EN442 output at 20°C room temperature

Horizontal version: see p. 68  
 Freestanding version: see p. 156

# jaga

CLIMATE DESIGNERS

## DECO SPACE

Striking and timeless

True beauty is timeless. Deco is the classic design radiator with a high heat output and a simple design. Can be incorporated smoothly into any interior, modern or classic.





DECO SPACE



# SINGLE

# DOUBLE

code	height	length	colour	conn.
<b>SVSW .</b>	<b>180</b>	<b>032 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code—				

code	height	length	colour	conn.
<b>SVDW .</b>	<b>180</b>	<b>032 .</b>	<b>XXX</b>	<b>/MM</b>
fill in colour code—				

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
032	884	454	671	806
040	1105	567	814	976
048	1326	680	957	1150
056	1547	794	1098	1319
064	1768	907	1239	1488
072	1989	1021	1381	1660
080	2210	1134	1523	1828
096	2652	1361	1805	2168

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 180</b>				
032	1418	711	1343	1612
040	1772	888	1626	1953
048	2126	1066	1916	2298
056	2481	1244	2197	2635
064	2835	1421	2478	2972
072	3190	1599	2764	3318
080	3544	1777	3047	3656
096	4253	2132	3613	4334

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 192</b>				
032	939	483	699	838
040	1174	603	847	1015
048	1409	724	993	1192
056	1644	845	1141	1370
064	1878	965	1289	1548
072	2113	1086	1439	1723
080	2348	1207	1585	1902
096	2818	1448	1880	2257

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 192</b>				
032	1500	752	1397	1675
040	1875	940	1693	2031
048	2250	1128	1987	2385
056	2625	1316	2284	2741
064	3000	1504	2580	3095
072	3375	1692	2874	3450
080	3750	1880	3171	3804
096	4500	2256	3761	4513

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 200</b>				
032	976	502	715	859
040	1220	627	868	1040
048	1464	753	1019	1222
056	1708	878	1170	1404
064	1952	1004	1322	1585
072	2196	1129	1473	1767
080	2440	1255	1625	1950
096	2928	1506	1931	2318

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 200</b>				
032	1554	779	1429	1717
040	1943	975	1735	2083
048	2332	1170	2039	2447
056	2720	1364	2340	2808
064	3109	1559	2644	3173
072	3497	1754	2948	3537
080	3886	1949	3253	3903
096	4663	2339	3864	4636

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 220</b>				
032	1066	550	759	909
040	1332	687	917	1101
048	1598	824	1080	1297
056	1865	961	1245	1494
064	2131	1099	1406	1685
072	2398	1236	1570	1881
080	2664	1373	1731	2076
096	3197	1648	2056	2466

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 220</b>				
032	1690	848	1514	1817
040	2112	1059	1836	2203
048	2534	1271	2161	2593
056	2957	1483	2490	2989
064	3379	1695	2809	3372
072	3802	1907	3136	3763
080	4224	2119	3461	4153
096	5069	2542	4111	4931

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 240</b>				
032	1153	596	798	957
040	1441	744	969	1162
048	1729	893	1143	1372
056	2017	1042	1318	1579
064	2306	1191	1490	1788
072	2594	1340	1661	1990
080	2882	1489	1834	2201
096	3458	1786	2179	2615

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 240</b>				
032	1823	915	1597	1917
040	2279	1144	1938	2325
048	2735	1373	2286	2745
056	3191	1601	2631	3159
064	3646	1830	2979	3575
072	4102	2059	3319	3984
080	4558	2287	3670	4404
096	5470	2745	4359	5232

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 260</b>				
032	1237	641	838	1005
040	1546	801	1024	1227
048	1855	961	1206	1448
056	2164	1121	1388	1666
064	2474	1281	1573	1885
072	2783	1441	1755	2106
080	3092	1601	1939	2326
096	3710	1921	2305	2765

	Watts 75/65	Watts 55/45	€ st. colour	€ other
<b>L H 260</b>				
032	1954	981	1675	2010
040	2443	1226	2044	2453
048	2932	1471	2410	2891
056	3420	1716	2776	3332
064	3909	1962	3140	3770
072	4397	2207	3509	4210
080	4886	2452	3876	4652
096	5863	2942	4609	5533

Deco Space is available from height 120 cm up to 300 cm and from length 32 cm up to 120 cm. See: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## TOWEL RADIATORS

Warmth is comfort, affection, feeling good. Especially in your bathroom: the room where you get to escape from the world, to create a total feeling of well-being and security. Or in the kitchen, where you not only work and eat, but where you really live and enjoy the things that make you feel good, such as a dry, warm towel.







# TOWEL RADIATORS





IGUANA ARCO



TETRA



IGUANA APLANO



IGUANA VISIO



IGUANA CIRCO / CORNER



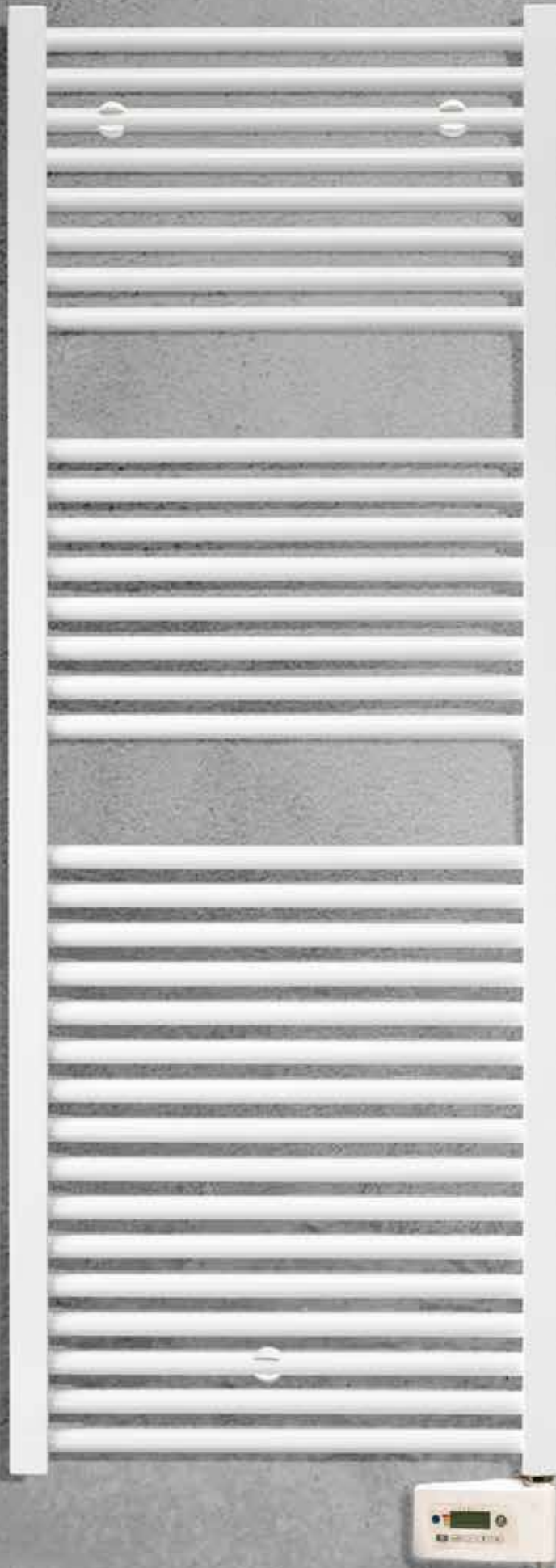
LINEA PLUS



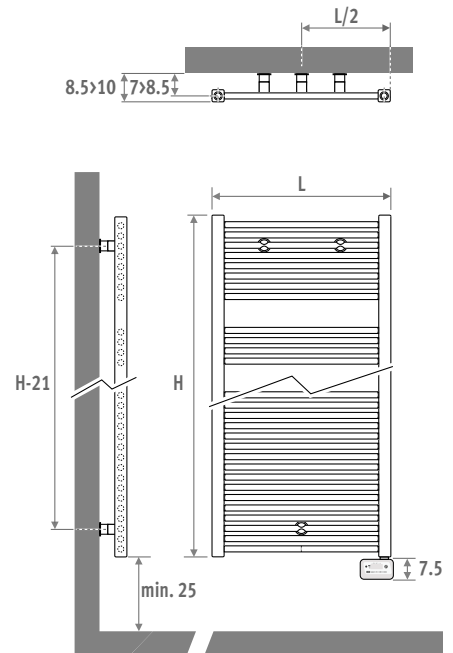
STRADA

## HORIZONTAL AND VERTICAL RADIATORS WITH TOWEL RAILS

As well as the towel radiators in this section, you can specify towel rails as an option on a variety of Jaga radiators. Combine functionality with beautiful designs and high heat outputs with low water temperature.



## DIMENSIONS (in cm)



## DELIVERY

- White plastic mounting set for easy wall mounting
- Round, horizontal radiant tubes  $\varnothing$  22 mm
- Vertical steel, square heating collectors 35 mm x 35 mm
- Integrated electrical resistor with mountable controller
- White cable 1.2 m with molded plug
- Pre-filled with heating fluid

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (233), smooth glossy finish

## SPECIFICATIONS

- Maximum operating temperature: 110°C
- Voltage: 230V at 50Hz
- Electrical safety class IP 44 splash-proof, suitable for zone A
- isolation class II
- Temperature preset at 19°C, adjustable from +7°C to +30°C

# SANI ELECTRIC

## EASY TO SET

The smart Sani Electric has a user-friendly menu with preset programming profiles for each day of the week. These can easily be adjusted to your needs on the sloping interface with the large keys.

- 5 operating modes: Auto (Program), Boost, Comfort, Eco (economy mode), Frost protection, Standby
- 5 programming profiles
- Manual and temporary cancellation of a program
- Sound-indications when operating
- Keyboard lock for children

**Infrared remote control available as an option.**

## ENERGY EFFICIENT OPERATION

The digital Ecodesign control ensures a stable and accurate temperature and is equipped with all possible energy-saving options.

- Electronic temperature measurement and control
- Open window detection
- Frost protection
- Indication of the current energy consumption by using energy labels A/B/C
- Display of the amount of energy used in kwh/ 24h or since the last reset.
- Automatic switch-off of the boost function, programmable for up to 90 minutes.



**ECOdesign 2018**  
compliant

code	height	length	colour
SEDW . 093	040 . 050	040 . 050	233

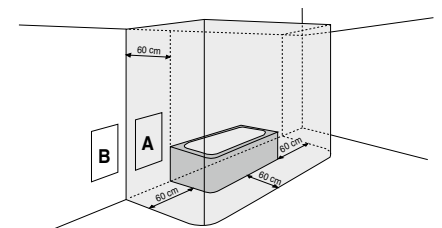
	Watt	€
<b>L H 093</b>		
040	300	755
050	500	770
<b>L H 122</b>		
040	500	841
050	750	861
<b>L H 137</b>		
040	500	894
050	750	917
060	1000	955
<b>L H 175</b>		
040	750	1043
050	1000	1071
060	1000	1115
<b>L H 205</b>		
060	1250	1280

## OPTION REMOTE CONTROL



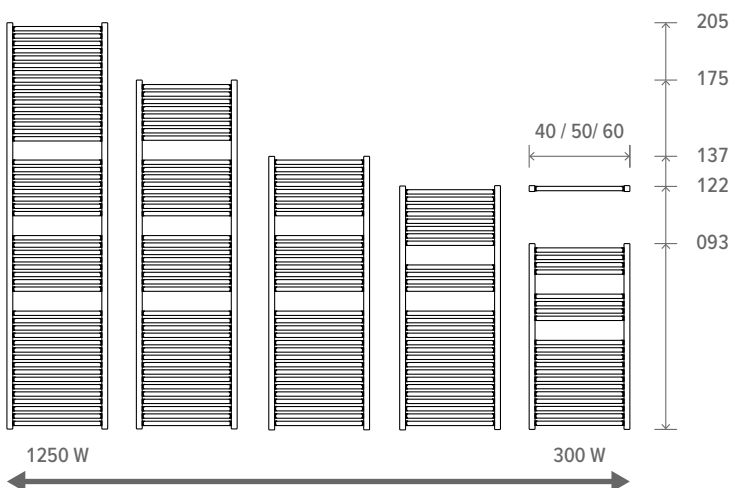
CODE	€
9096.020101	51

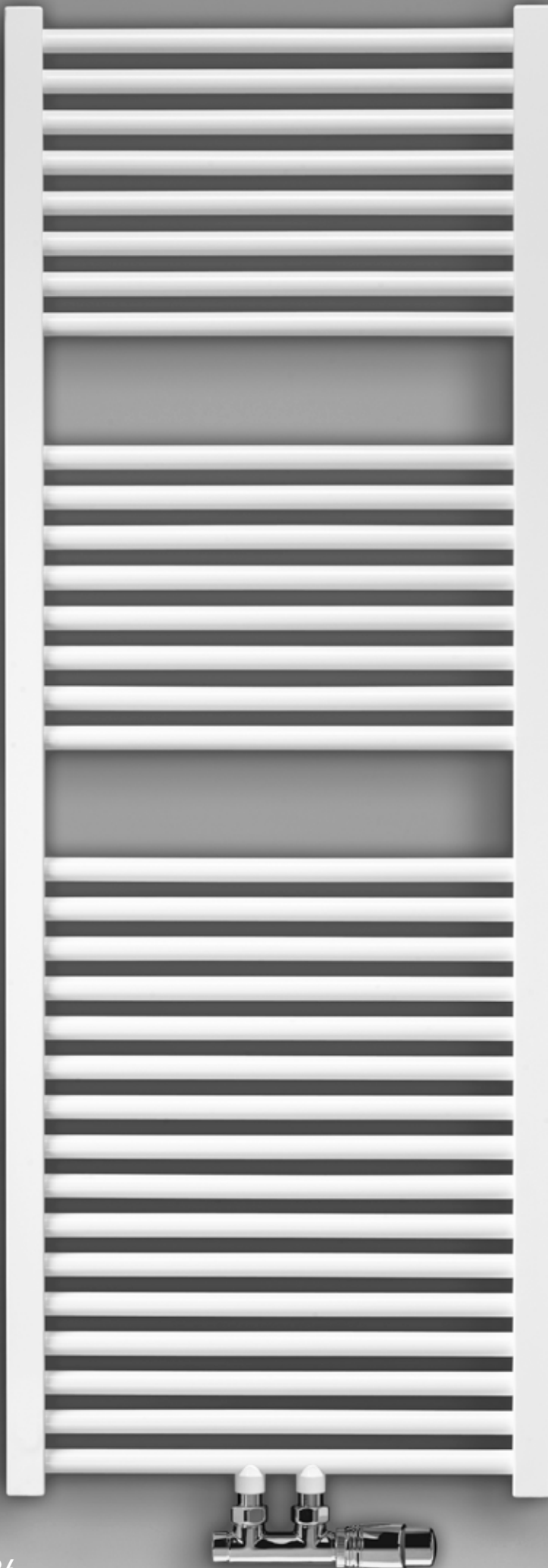
## LOCATION OF THE ELECTRIC HEATING UNIT IN THE BATHROOM



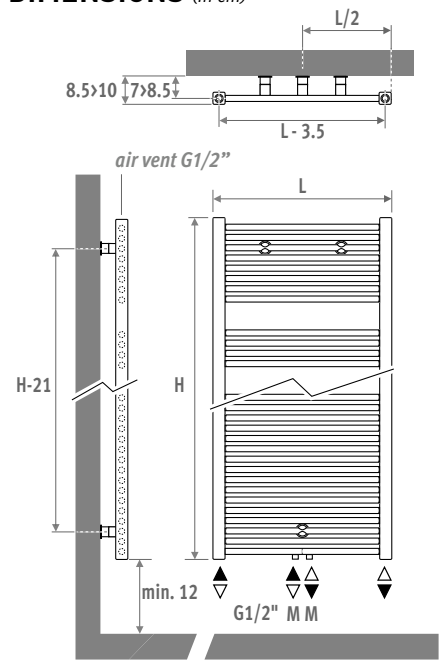
An electrical radiator with insulation class II may be placed in zone A. In bathrooms and kitchens the socket outlet (never a plug contact) has to be placed at a minimum height of 25cm above the floor. The radiator may never be installed lower than the adapter socket outlet. A fused spare has to be used outside the room.

In zone B, an electric radiator of insulation class II may be connected to the electricity grid via a plug contact that is placed in zone B. The appliance must be mounted and connected by an acknowledge installer in accordance with the installation instructions and national and currently applicable local regulations.





## DIMENSIONS (in cm)



## DELIVERY

- central connection MM underneath
- wall fixing
- chrome-plated air vent and 3 drain plugs G1/2"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (233), smooth glossy finish
- sandblast grey (001), fine texture metallic

Other colours: see colour chart.

## CONNECTION

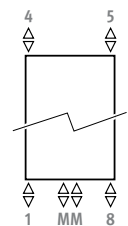
Code:

1° number = flow

2° number = return

Standard connection:

- central connection MM below or on top, flow left or right. Connection 18 or 81 is also possible



Other connections:

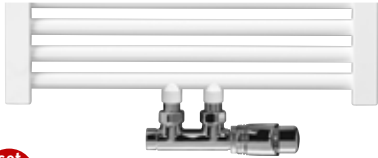
When assigning a different connection code MM will be removed (no surcharge - extended delivery time).




- top connection: enter code 45 or 54. Insert pipe included. Has to be mounted in the return. Always mount an air vent on the central heating pipework.
- side connection: enter code 41 or 58
- single point connection: see chapter "Connection set & Valves" - set 81 or 82. Not possible with a radiator on feet.
- one pipe connection with code MM and connection set 41 or 42.
- electric heating element and mixed application: see "Parts & Options"

## CONNECTION SETS

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	<b>300</b>
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	<b>126</b>
	CODE.PW3.AC.1...	<b>143</b>
<i>fill in sleeve coupling code</i>		
	Precision metal tube 15/1	<b>115</b>
	Precision metal tube 16/1	<b>116</b>
	Precision metal tube 18/1	<b>118</b>
	RPE/ALU tube 16/2	<b>316</b>
	RPE/ALU tube 18/2	<b>318</b>

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information.

# SANI RONDA

code height length colour conn.  
**SROW . 063 040 . XXX /MM**  
 fill in colour code —

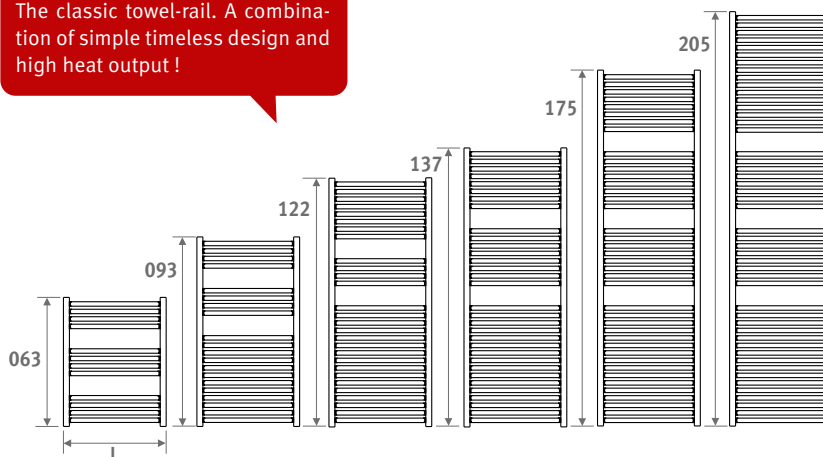
	Watts	Watts	€	€
	75/65	55/45	st. colour	other
<b>L H 093</b>				
050	494	255	683	821
060	581	299	731	875
<b>L H 122</b>				
040	546	281	754	906
050	665	341	775	930
060	784	402	808	969
<b>L H 137</b>				
040	617	316	808	969
050	752	385	831	997
060	887	453	868	1040
070	1022	522	906	1085
<b>L H 175</b>				
040	766	389	956	1148
050	931	473	986	1184
060	1097	558	1030	1235
070	1262	642	1079	1295
080	1428	726	1129	1356
<b>L H 205</b>				
060	1314	665	1194	1431
070	1509	764	1258	1511
080	1705	864	1325	1589

EN442 output at 20°C room temperature



For electric element see p. 378

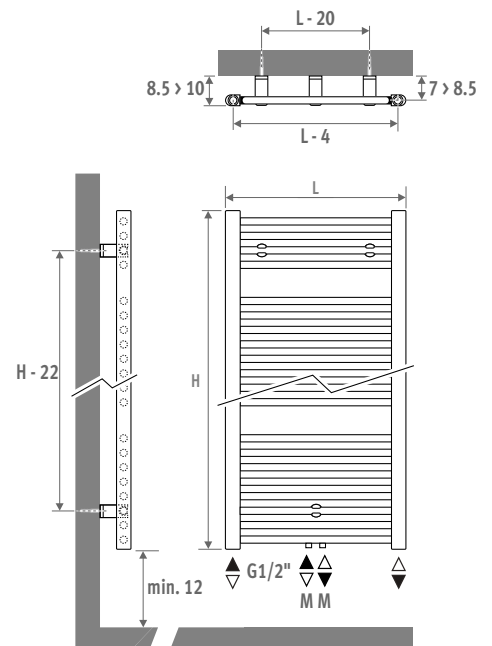
The classic towel-rail. A combination of simple timeless design and high heat output!





## DIMENSIONS (in cm)

### BASIC



## DELIVERY

- central connection MM underneath and 18/81 below
- wall fixing
- chrome-plated air vent and 3 drain plugs G1/2"

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colour:

- traffic white RAL 9016 (233), smooth glossy finish

## CONNECTION

Code:

1° number = flow

2° number = return

Standard connection:

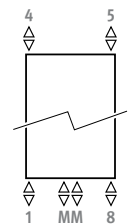
- central connection MM below or on top, flow left or right. Connection 18 or 81 is also possible.

- single point connection: see chapter "Connection set & Valves" - set 81 or 82.
- one pipe connection with code MM and connection set 41 or 42.

Other connections (no surcharge):

When assigning a different connection code MM will still continue to exist.

- top connection: enter code 45 or 54. Insert pipe included. Has to be mounted in the return. Always mount an air vent on the central heating pipework.
- electric heating element and mixed application: see "Parts & Options"



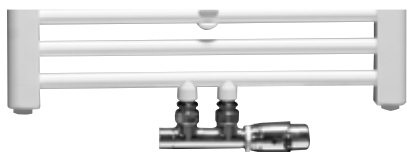


# SANI BASIC

## CONNECTION SETS

### Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.




**set 48**  
**BRUSHED STAINLESS STEEL** €

 CODE.PW3.PS.1... 300

**set 41**  
**CHROME** €

 CODE.PW3.AW.1... 126

 CODE.PW3.AC.1... 143

fill in sleeve coupling code

Precision metal tube 15/1 115

Precision metal tube 16/1 116

Precision metal tube 18/1 118

RPE/ALU tube 16/2 316

RPE/ALU tube 18/2 318

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information.



For electric element see p. 378

## BASIC

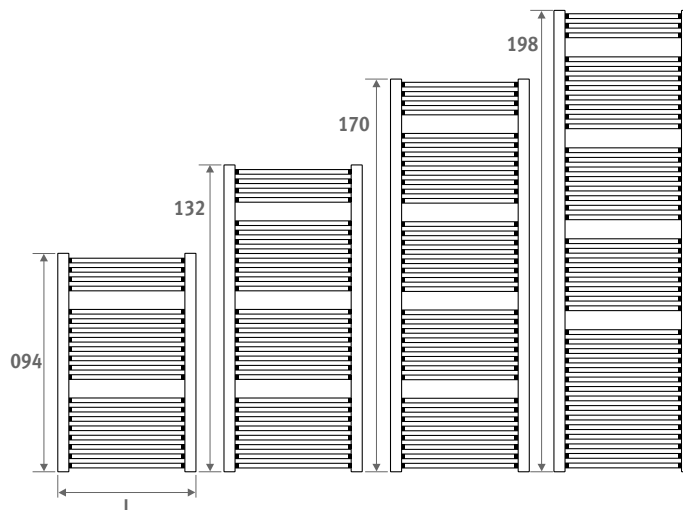
code	height	length	colour	conn.
SBAW .	094	050 . XXX	/MM	
fill in colour code —				

	Watts	Watts	€
	75/65	55/45	st. colour
<b>L H 094</b>			
050	427	223	577
<b>L H 132</b>			
050	605	315	706
060	706	368	744
<b>L H 170</b>			
050	775	402	837
060	906	472	877
<b>L H 198</b>			
060	1081	563	986
075	1317	689	1069

EN442 output at 20°C room temperature



SANI BASIC



# jaga

CLIMATE DESIGNERS

## MIKADO

The universal towel rail

Mikado is a universal towel holder with countless options. Mount Mikado in front of a vertical heating unit or above a horizontal heating unit and you will end up with a handy towel drying rack. Or attach Mikado to bathroom or kitchen furniture or simply to the wall. Due to its countless playful combination possibilities, Mikado can be perfectly integrated into any interior. Be inspired by the many creative possibilities!

against the wall...



above a radiator...



Or for a heating  
unit...



# REST AND WELLNESS IN EVERY ROOM

The natural look of the Mikado and the serene simplicity of its design evoke feelings of peace and wellness in every room. The most striking is the slender wooden stick in maple, oak or walnut. This was inspired by the eponymous game.





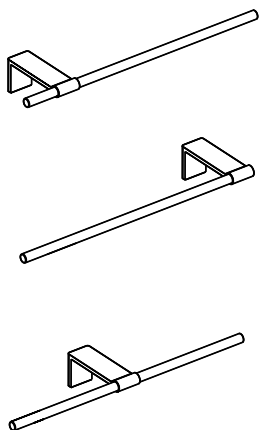
# MIX AND MATCH USE YOUR IMAGINATION

The brackets are made of extruded aluminium and are available in four finishes: satin-matt lacquered white, anodised aluminium natural colour, and brushed stainless steel look or chrome. These are available in three different lengths. So, we offer the optimal distance between towel rail and wall or radiator in all situations. The Mikado wooden stick is available in two lengths and in maple, oak or walnut. For the length 55 cm option, a single wall bracket is sufficient. It can be placed in any desired position, both at the end and in the middle of the stick. For the stick of length 85 cm, two wall brackets are required.

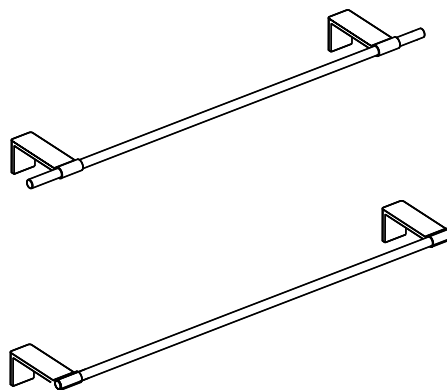
**STICK + BRACKET**

 <p><b>MAPLE</b></p> <table border="0"> <thead> <tr> <th>L</th> <th>€</th> <th>Ordering code</th> </tr> </thead> <tbody> <tr> <td>LENGTH 55:</td> <td>32</td> <td>MIKB. 002 055 00 /760</td> </tr> <tr> <td>LENGTH 85</td> <td>32</td> <td>MIKB. 002 085 00 /760</td> </tr> </tbody> </table>	L	€	Ordering code	LENGTH 55:	32	MIKB. 002 055 00 /760	LENGTH 85	32	MIKB. 002 085 00 /760		<p><b>SATIN-MATT LACQUERED WHITE</b> RAL 9016</p> <table border="0"> <thead> <tr> <th>T</th> <th>€</th> <th>Ordering code</th> </tr> </thead> <tbody> <tr> <td>TYPE 09:</td> <td>157</td> <td>MIKH. 008 005 09 /333</td> </tr> <tr> <td>TYPE 16:</td> <td>157</td> <td>MIKH. 008 005 16 /333</td> </tr> <tr> <td>TYPE 20:</td> <td>157</td> <td>MIKH. 008 005 20 /333</td> </tr> </tbody> </table>	T	€	Ordering code	TYPE 09:	157	MIKH. 008 005 09 /333	TYPE 16:	157	MIKH. 008 005 16 /333	TYPE 20:	157	MIKH. 008 005 20 /333
L	€	Ordering code																					
LENGTH 55:	32	MIKB. 002 055 00 /760																					
LENGTH 85	32	MIKB. 002 085 00 /760																					
T	€	Ordering code																					
TYPE 09:	157	MIKH. 008 005 09 /333																					
TYPE 16:	157	MIKH. 008 005 16 /333																					
TYPE 20:	157	MIKH. 008 005 20 /333																					
 <p><b>EIK</b></p> <table border="0"> <thead> <tr> <th>L</th> <th>€</th> <th>Ordering code</th> </tr> </thead> <tbody> <tr> <td>LENGTH</td> <td>32</td> <td>MIKB. 002 055 00 /700</td> </tr> <tr> <td>LENGTH</td> <td>32</td> <td>MIKB. 002 085 00 /700</td> </tr> </tbody> </table>	L	€	Ordering code	LENGTH	32	MIKB. 002 055 00 /700	LENGTH	32	MIKB. 002 085 00 /700		<p><b>T</b>      <b>€</b>      <b>Ordering code</b></p> <p>TYPE 09: 157    MIKH. 008 005 09 /BSL</p> <p>TYPE 16: 157    MIKH. 008 005 16 /BSL</p> <p>TYPE 20: 157    MIKH. 008 005 20 /BSL</p>												
L	€	Ordering code																					
LENGTH	32	MIKB. 002 055 00 /700																					
LENGTH	32	MIKB. 002 085 00 /700																					
 <p><b>NOTELAAR</b></p> <table border="0"> <thead> <tr> <th>L</th> <th>€</th> <th>Ordering code</th> </tr> </thead> <tbody> <tr> <td>LENGTH</td> <td>32</td> <td>MIKB. 002 055 00 /780</td> </tr> <tr> <td>LENGTH</td> <td>32</td> <td>MIKB. 002 085 00 /780</td> </tr> </tbody> </table> <p>To guarantee shape retention, the wooden poles are treated in 3 steps to protect them against moisture and heat.</p>	L	€	Ordering code	LENGTH	32	MIKB. 002 055 00 /780	LENGTH	32	MIKB. 002 085 00 /780		<p><b>CHROME</b></p> <table border="0"> <thead> <tr> <th>T</th> <th>€</th> <th>Ordering code</th> </tr> </thead> <tbody> <tr> <td>TYPE 09:</td> <td>157</td> <td>MIKH. 008 005 09 /009</td> </tr> <tr> <td>TYPE 16:</td> <td>157</td> <td>MIKH. 008 005 16 /009</td> </tr> <tr> <td>TYPE 20:</td> <td>157</td> <td>MIKH. 008 005 20 /009</td> </tr> </tbody> </table>	T	€	Ordering code	TYPE 09:	157	MIKH. 008 005 09 /009	TYPE 16:	157	MIKH. 008 005 16 /009	TYPE 20:	157	MIKH. 008 005 20 /009
L	€	Ordering code																					
LENGTH	32	MIKB. 002 055 00 /780																					
LENGTH	32	MIKB. 002 085 00 /780																					
T	€	Ordering code																					
TYPE 09:	157	MIKH. 008 005 09 /009																					
TYPE 16:	157	MIKH. 008 005 16 /009																					
TYPE 20:	157	MIKH. 008 005 20 /009																					
		<p><b>ANODISED ALUMINIUM NATURAL COLOUR</b></p> <table border="0"> <thead> <tr> <th>T</th> <th>€</th> <th>Ordering code</th> </tr> </thead> <tbody> <tr> <td>TYPE 09:</td> <td>157</td> <td>MIKH. 008 005 09 /NAA</td> </tr> <tr> <td>TYPE 16:</td> <td>157</td> <td>MIKH. 008 005 16 /NAA</td> </tr> <tr> <td>TYPE 20:</td> <td>157</td> <td>MIKH. 008 005 20 /NAA</td> </tr> </tbody> </table>	T	€	Ordering code	TYPE 09:	157	MIKH. 008 005 09 /NAA	TYPE 16:	157	MIKH. 008 005 16 /NAA	TYPE 20:	157	MIKH. 008 005 20 /NAA									
T	€	Ordering code																					
TYPE 09:	157	MIKH. 008 005 09 /NAA																					
TYPE 16:	157	MIKH. 008 005 16 /NAA																					
TYPE 20:	157	MIKH. 008 005 20 /NAA																					

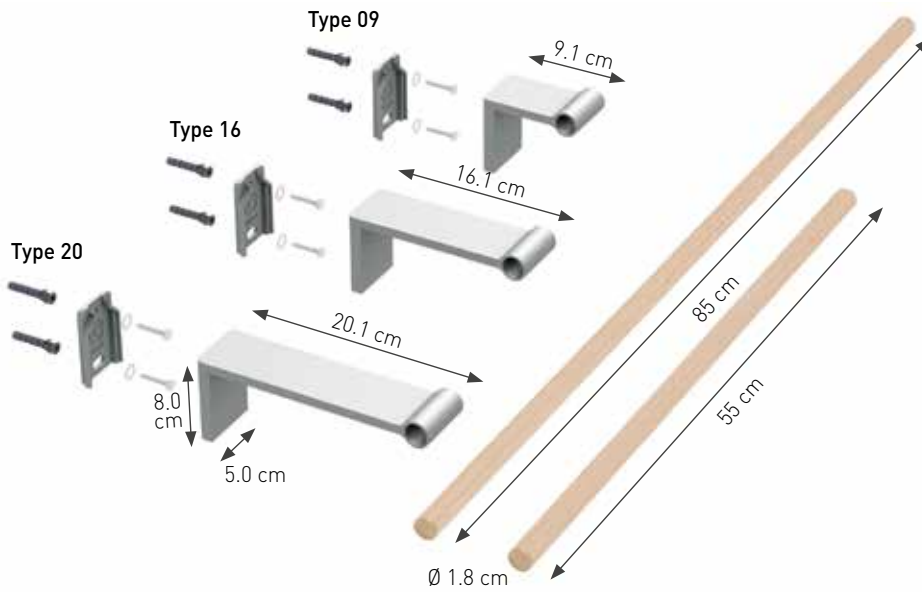
## LENGTH 55



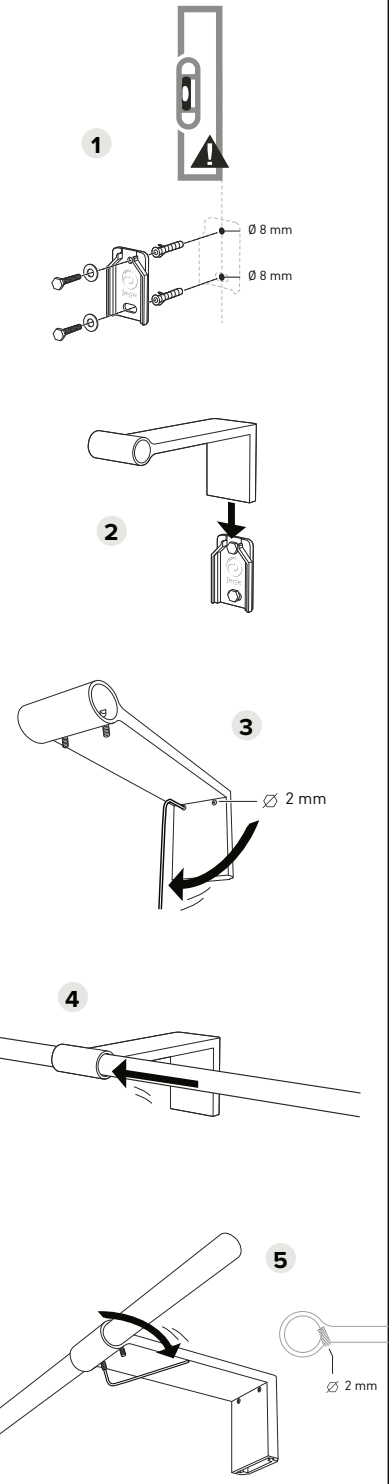
## LENGTH 85



# DIMENSIONS

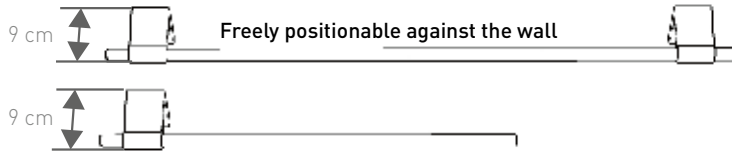


# MOUNTING

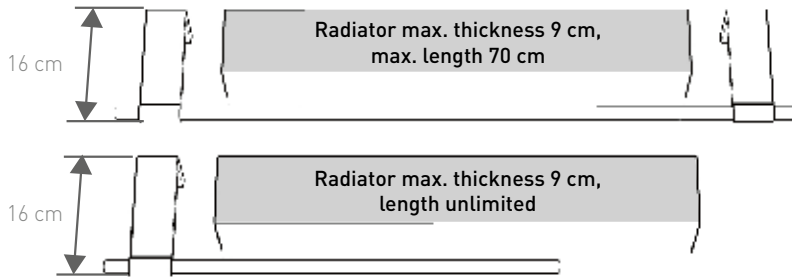


# INSTALLATION

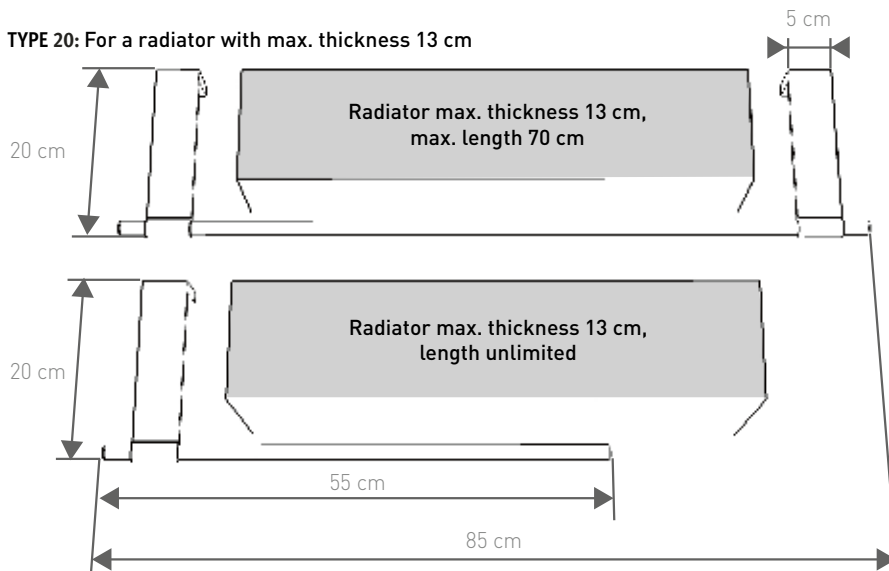
**TYPE 09:** Freely positionable against the wall or above a heating unit



**TYPE 16:** For a radiator with max. thickness 9 cm



**TYPE 20:** For a radiator with max. thickness 13 cm



Always attach L85 using two brackets

**JAGA MIKADO HAS BEEN DESIGNED AND MANUFACTURED TO FUNCTION SOLELY AS A TOWEL HOLDER. MAXIMUM LOAD: 2 KG. ALWAYS MOUNT TOWEL HOLDER L 85 CM WITH TWO WALL BRACKETS!**

# jaga

CLIMATE DESIGNERS

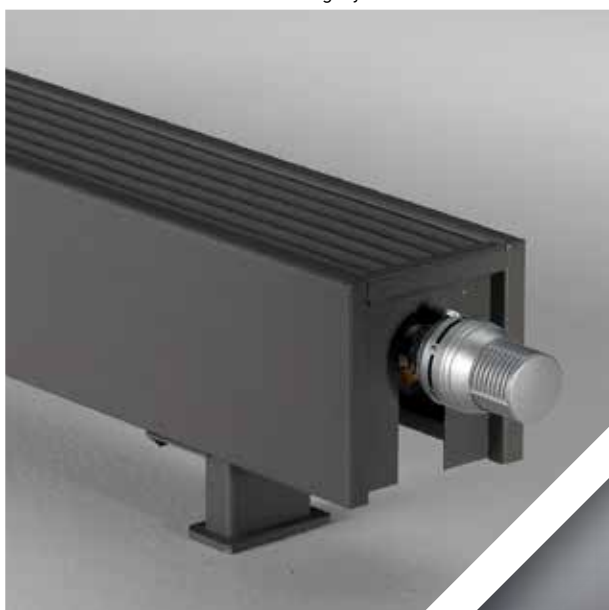
## MINI FREESTANDING

Strikingly discrete

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Discreet appearance with heights from 8cm.
- No wasteful heat loss from radiation through glazing.
- Stable one-piece casing.
- Suitable for integrated valve.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.


Also available as Mini wall mounted model for low window sills and dwarf walls. See page 56.

MINI FREESTANDING sandblast grey 001







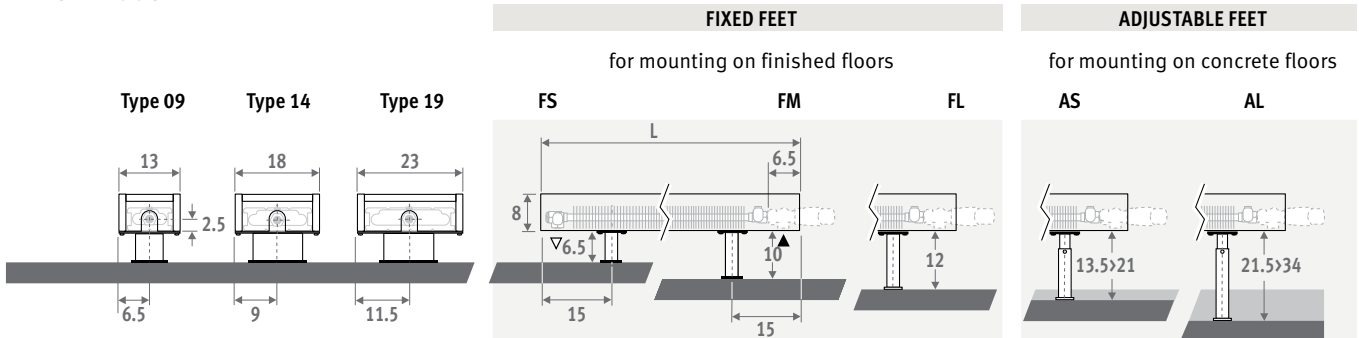
MINI FREESTANDING 

# MINI FREESTANDING

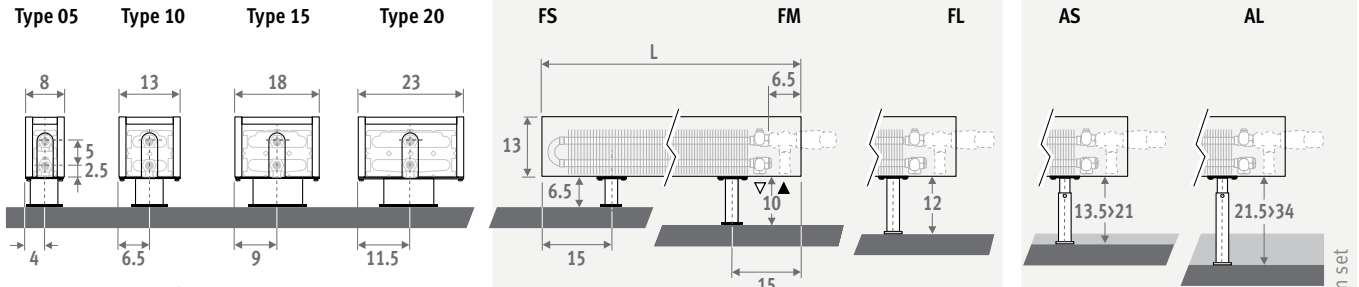


## DIMENSIONS (in cm)

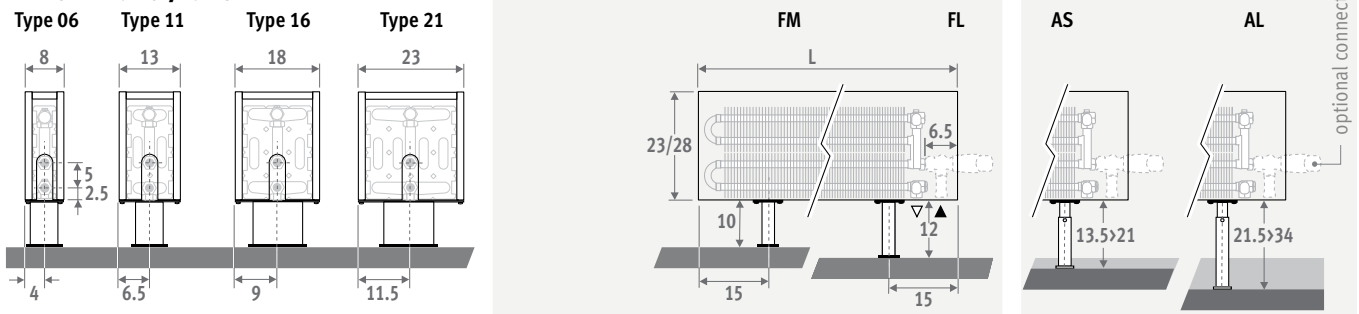
### HEIGHT 008



### HEIGHT 013



### HEIGHT 023 / 028



### ORDERING CODE FIXED FEET

code	height	length	type	colour	foot
MINF . 008	060	09 .	XXX	/XX	
fill in colour code					
FS: fixed feet, height 6.5 cm (only for height 008 and 013)					
FM: fixed feet, height 10 cm					
FL: fixed feet, height 12 cm					

### ORDERING CODE ADJUSTABLE FEET

code	height	length	type	colour	foot
MINF . 008	060	09 .	XXX	/XX	
fill in colour code					
AS: adjustable feet, height from 13.5 to 21 cm					
AL: adjustable feet, height from 21.5 to 34 cm					

Also available as Mini wall mounted model for low window sills and dwarf walls. See page 56.

### DELIVERY

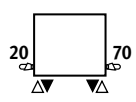
- Easy to install by one person.
- Standard delivery:
  - Low-H<sub>2</sub>O heat exchanger, air vent 1/8" and drain plug 1/2"
  - casing in one piece for connection left or right
  - feet in the same colour as the radiator

### COLOURS

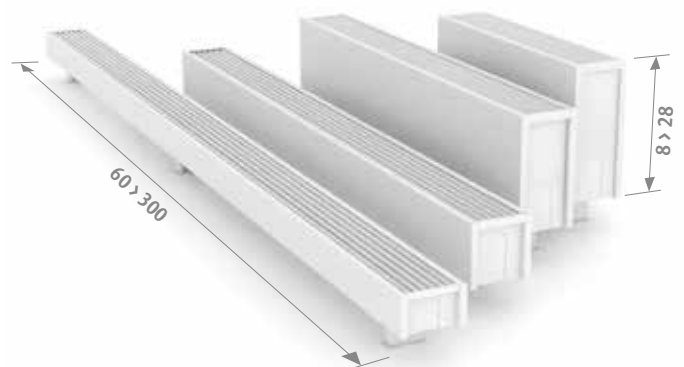
- Environmentally friendly, scratch-resistant, high UV resistant powder coating.
- Standard colours:
  - traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
  - sandblast grey (001), fine texture metallic lacquer
- Other colours: see colour chart.

### CONNECTION

Standard connection: Height 008: opposite end connection, flow left or right  
Other heights: same end connection, left or right connection



It is not possible to connect to the wall from inside the casing, as the casing includes a closed rear panel.

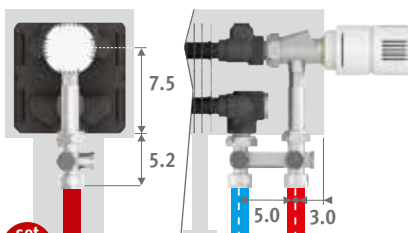




## CONNECTION SETS

### Jaga H-valve to the floor for Mini height 013/023/028 for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.



set 104	CODE 1-PIPE/2-PIPE	€
	COLO.HBSF.AW.4...	97
	COLO.HBSF.JW.4...	106

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

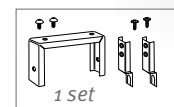
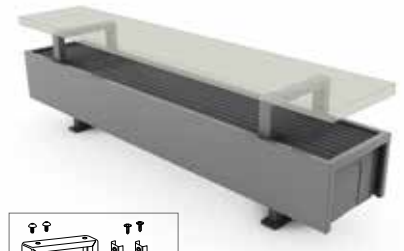
### Jaga valve to the floor or Mini height 008

- with feet FS (H=6.5 cm):  
Jaga valve 5090.4407, see page 331.  
No lockshield possible on the return.
- with feet FM or FL (H=10 or 12 cm):  
set 222, see page 325.

#### Other connections:

See chapter "Connection sets and valves" for all connection options and technical information.

## FIXING SET FOR SHELF



- Number of sets for casing length:
- from 060 to 160 cm: min. 2 sets
  - from 180 to 300 cm: min. 3 sets

#### Shelf not supplied.

CODE	for type	€/set st. colour	€/set other
5210.00015/XXX	14/15/16	67	80
5210.00020/XXX	19/20/21	67	80

fill in colour code

# MINI FREESTANDING - FIXED FEET

MINI.FHH LLL TT.XXX/XX

	Type 75/65				Type 55/45				Type 75/65				Type 55/45							
	Watts	Watts	€	€	Watts	Watts	€	€	Watts	Watts	€	€	Watts	Watts	€	€				
L	H	008	H 013				H 023				H 028									
			75/65	55/45	st. colour	other	75/65	55/45	st. colour	other	75/65	55/45	st. colour	other	75/65	55/45	st. colour	other		
060	---	---	---	---	---	05	197	95	250	359	06	323	156	397	506	06	342	166	439	548
	09	255	123	246	355	10	303	146	289	398	11	601	285	437	546	11	653	310	479	588
	14	416	200	289	398	15	508	244	339	448	16	785	370	516	625	16	860	405	561	670
	19	572	275	319	428	20	717	345	379	488	21	1021	479	542	651	21	1127	528	591	700
070	---	---	---	---	---	05	230	111	270	379	06	377	182	431	540	06	399	193	473	582
	09	298	143	263	372	10	354	170	312	421	11	701	333	477	586	11	762	362	520	629
	14	486	234	311	420	15	593	285	371	480	16	916	432	569	678	16	1003	473	616	725
	19	667	321	350	459	20	837	403	418	527	21	1191	559	605	714	21	1315	616	652	761
080	---	---	---	---	---	05	263	127	279	388	06	431	208	449	558	06	456	221	490	599
	09	340	163	275	384	10	404	194	324	433	11	802	381	498	607	11	871	414	541	650
	14	555	267	324	433	15	678	326	387	496	16	1046	494	598	707	16	1146	540	646	755
	19	762	366	366	475	20	956	460	440	549	21	1361	639	638	747	21	1503	704	688	797
090	---	---	---	---	---	05	296	143	289	398	06	485	234	463	572	06	513	248	507	616
	09	383	184	285	394	10	455	219	335	444	11	902	428	516	625	11	980	465	561	670
	14	625	300	338	447	15	762	367	404	513	16	1177	555	627	736	16	1290	608	673	782
	19	858	412	381	490	20	1076	518	461	570	21	1531	719	670	779	21	1691	792	719	828
100	---	---	---	---	---	05	329	158	302	475	06	539	260	492	665	06	570	276	535	708
	09	425	204	299	472	10	505	243	356	529	11	1002	476	549	722	11	1089	517	596	769
	14	694	333	360	533	15	847	407	430	603	16	1308	617	671	844	16	1433	676	720	893
	19	953	458	410	583	20	1195	575	496	669	21	1701	799	723	896	21	1879	880	773	946
110	---	---	---	---	---	05	362	174	317	490	06	593	286	516	689	06	627	304	559	732
	09	468	225	312	485	10	556	267	372	545	11	1102	523	577	750	11	1198	569	623	796
	14	763	367	377	550	15	932	448	453	626	16	1439	679	708	881	16	1576	743	758	931
	19	1048	504	431	604	20	1315	633	523	696	21	1871	878	767	940	21	2067	968	817	990
120	---	---	---	---	---	05	395	190	334	507	06	647	312	539	712	06	684	331	584	757
	09	510	245	330	503	10	606	291	392	565	11	1202	571	605	778	11	1307	621	652	825
	14	833	400	396	569	15	1016	489	477	650	16	1570	741	745	918	16	1720	811	795	968
	19	1144	550	456	629	20	1434	690	555	728	21	2041	958	809	982	21	2255	1056	861	1034
140	---	---	---	---	---	05	461	222	362	535	06	755	364	589	762	06	798	386	638	811
	09	595	286	356	529	10	707	340	425	598	11	1403	666	660	833	11	1525	724	712	885
	14	972	467	432	605	15	1186	570	521	694	16	1831	864	817	990	16	2006	946	874	1047
	19	1334	641	521	694	20	1673	805	639	812	21	2381	1118	939	1112	21	2631	1233	997	1170
160	---	---	---	---	---	05	526	253	431	604	06	862	416	698	871	06	912	442	755	928
	09	680	327	423	596	10	808	388	508	681	11	1603	761	783	956	11	1742	827	845	1018
	14	1110	533	516	689	15	1355	652	624	797	16	2093	988	976	1149	16	2293	1081	1040	1213
	19	1525	733	622	795	20	1912	920	763	936	21	2722	1278	1120	1293	21	3006	1408	1188	1361
180	---	---	---	---	---	05	592	285	493	666	06	970	468	781	954	06	1026	497	845	1018
	09	765	368	484	657	10	909	437	576	749	11	1804	857	874	1047	11	1960	931	939	1112
	14	1249	600	582	755	15	1525	734	702	875	16	2354	1111	1088	1261	16	2579	1216	1156	1329
	19	1715	824	700	873	20	2151	1035	855	1028	21	3062	1438	1245	1418	21	3382	1584	1317	1490
200	---	---	---	---	---	05	658	317	534	836	06	1078	520	845	1147	06	1140	552	914	1216
	09	850	408	523	825	10	1010	485	624	926	11	2004	952	946	1248	11	2178	1034	1018	1320
	14	1388	667	656	958	15	1694	815	792	1094	16	2616	1234	1232	1534	16	2866	1351	1308	1610
	19	1906	916	759	1061	20	2390	1150	928	1230	21	3402	1597	1348	1650	21	3758	1761	1428	1730
220	---	---	---	---	---	05	724	349	627	929	06	1186	572	980	1282	06	1254	607	1060	1362
	09	935	449	613	915	10	1111	534	729	1031	11	2204	1047	1097	1399	11	2396	1138	1180	1482
	14	1527	734	762	1064	15	1863	896	924	1226	16	2878	1358	1427	1729	16	3153	1486	1515	1817
	19	2097	1008	884	1186	20	2629	1265	1083	1385	21	3742	1757	1566	1868	21	4134	1937	1660	1962
240	---	---	---	---	---	05	790	381	668	970	06	1294	624	1043	1345	06	1368	662	1129	1431
	09	1020	490	652	954	10	1212	582	777	1079	11	2405	1142	1168	1470	11	2614	1241	1257	1559
	14	1666	801	811	1113	15	2033	978	984	1286	16	3139	1481	1520	1822	16	3439	1621	1614	1916
	19	2287	1099	942	1244	20	2868	1380	1155	1457	21	4082	1916	1675	1977	21	4510	2113	1771	2073
260	---	---	---	---	---	05	855	412	706	1008	06	1401	676	1105	1407	06	1482	718	1194	1496
	09	1105	531	690	992	10	1313	631	825	1127	11	2605	1237	1238	1540	11	2831	1344	1333	1635
	14	1804	867	858	1160	15	2202	1059	1043	1345	16	3401	1605	1612	1914	16	3726	1756	1713	2015
	19	2478	1191	1000	1302	20	3107	1495	1228	1530	21	4423	2076	1780	2082	21	4885	2289	1883	2185

EN442 output at 20°C room temperature

Mini freestanding model is also available in lengths 280 and 300 cm, see: [www.jaga.com](http://www.jaga.com)

# ADJUSTABLE FEET - MINI FREESTANDING

MINF.HHH LLL TT.XXX/XX

	Type					Type					Type					Type				
	Watts 75/65	Watts 55/45	€ st. colour	€ other	€	Watts 75/65	Watts 55/45	€ st. colour	€ other	€	Watts 75/65	Watts 55/45	€ st. colour	€ other	€	Watts 75/65	Watts 55/45	€ st. colour	€ other	€
<b>L</b>	<b>H 008</b>					<b>H 013</b>					<b>H 023</b>					<b>H 028</b>				
	060	---	---	---	---	05	197	95	333	442	06	323	156	478	587	06	342	166	519	628
	09	255	123	328	437	10	303	146	371	480	11	601	285	519	628	11	653	310	562	671
	14	416	200	369	478	15	508	244	421	530	16	785	370	597	706	16	860	405	643	752
	19	572	275	399	508	20	717	345	459	568	21	1021	479	624	733	21	1127	528	672	781
<b>070</b>	---	---	---	---	---	05	230	111	351	460	06	377	182	514	623	06	399	193	554	663
	09	298	143	345	454	10	354	170	394	503	11	701	333	559	668	11	762	362	602	711
	14	486	234	394	503	15	593	285	452	561	16	916	432	649	758	16	1003	473	698	807
	19	667	321	430	539	20	837	403	499	608	21	1191	559	687	796	21	1315	616	734	843
<b>080</b>	---	---	---	---	---	05	263	127	361	470	06	431	208	531	640	06	456	221	571	680
	09	340	163	356	465	10	404	194	406	515	11	802	381	580	689	11	871	414	623	732
	14	555	267	408	517	15	678	326	469	578	16	1046	494	679	788	16	1146	540	727	836
	19	762	366	448	557	20	956	460	521	630	21	1361	639	720	829	21	1503	704	769	878
<b>090</b>	---	---	---	---	---	05	296	143	369	478	06	485	234	544	653	06	513	248	587	696
	09	383	184	365	474	10	455	219	417	526	11	902	428	597	706	11	980	465	642	751
	14	625	300	419	528	15	762	367	486	595	16	1177	555	708	817	16	1290	608	754	863
	19	858	412	463	572	20	1076	518	541	650	21	1531	719	750	859	21	1691	792	800	909
<b>100</b>	---	---	---	---	---	05	329	158	383	556	06	539	260	575	748	06	570	276	616	789
	09	425	204	380	553	10	505	243	437	610	11	1002	476	631	804	11	1089	517	676	849
	14	694	333	440	613	15	847	407	513	686	16	1308	617	753	926	16	1433	676	803	976
	19	953	458	491	664	20	1195	575	578	751	21	1701	799	807	980	21	1879	880	855	1028
<b>110</b>	---	---	---	---	---	05	362	174	398	571	06	593	286	597	770	06	627	304	641	814
	09	468	225	395	568	10	556	267	453	626	11	1102	523	657	830	11	1198	569	705	878
	14	763	367	457	630	15	932	448	535	708	16	1439	679	789	962	16	1576	743	839	1012
	19	1048	504	514	687	20	1315	633	605	778	21	1871	878	849	1022	21	2067	968	900	1073
<b>120</b>	---	---	---	---	---	05	395	190	414	587	06	647	312	621	794	06	684	331	668	841
	09	510	245	410	583	10	606	291	474	647	11	1202	571	687	860	11	1307	621	734	907
	14	833	400	477	650	15	1016	489	559	732	16	1570	741	826	999	16	1720	811	877	1050
	19	1144	550	537	710	20	1434	690	636	809	21	2041	958	891	1064	21	2255	1056	944	1117
<b>140</b>	---	---	---	---	---	05	461	222	443	616	06	755	364	670	843	06	798	386	719	892
	09	595	286	437	610	10	707	340	507	680	11	1403	666	742	915	11	1525	724	793	966
	14	972	467	515	688	15	1186	570	603	776	16	1831	864	900	1073	16	2006	946	957	1130
	19	1334	641	602	775	20	1673	805	720	893	21	2381	1118	1021	1194	21	2631	1233	1080	1253
<b>160</b>	---	---	---	---	---	05	526	253	514	687	06	862	416	780	953	06	912	442	836	1009
	09	680	327	504	677	10	808	388	589	762	11	1603	761	866	1039	11	1742	827	927	1100
	14	1110	533	597	770	15	1355	652	705	878	16	2093	988	1057	1230	16	2293	1081	1124	1297
	19	1525	733	702	875	20	1912	920	845	1018	21	2722	1278	1203	1376	21	3006	1408	1268	1441
<b>180</b>	---	---	---	---	---	05	592	285	614	787	06	970	468	902	1075	06	1026	497	967	1140
	09	765	368	607	780	10	909	437	698	871	11	1804	857	995	1168	11	1960	931	1063	1236
	14	1249	600	705	878	15	1525	734	826	999	16	2354	1111	1210	1383	16	2579	1216	1279	1452
	19	1715	824	822	995	20	2151	1035	976	1149	21	3062	1438	1366	1539	21	3382	1584	1440	1613
<b>200</b>	---	---	---	---	---	05	658	317	656	958	06	1078	520	966	1268	06	1140	552	1036	1338
	09	850	408	646	948	10	1010	485	746	1048	11	2004	952	1068	1370	11	2178	1034	1140	1442
	14	1388	667	777	1079	15	1694	815	915	1217	16	2616	1234	1352	1654	16	2866	1351	1431	1733
	19	1906	916	880	1182	20	2390	1150	1050	1352	21	3402	1597	1470	1772	21	3758	1761	1550	1852
<b>220</b>	---	---	---	---	---	05	724	349	749	1051	06	1186	572	1103	1405	06	1254	607	1184	1486
	09	935	449	735	1037	10	1111	534	852	1154	11	2204	1047	1218	1520	11	2396	1138	1303	1605
	14	1527	734	885	1187	15	1863	896	1048	1350	16	2878	1358	1549	1851	16	3153	1486	1639	1941
	19	2097	1008	1007	1309	20	2629	1265	1205	1507	21	3742	1757	1687	1989	21	4134	1937	1780	2082
<b>240</b>	---	---	---	---	---	05	790	381	790	1092	06	1294	624	1166	1468	06	1368	662	1252	1554
	09	1020	490	773	1075	10	1212	582	899	1201	11	2405	1142	1290	1592	11	2614	1241	1380	1682
	14	1666	801	934	1236	15	2033	978	1105	1407	16	3139	1481	1642	1944	16	3439	1621	1736	2038
	19	2287	1099	1065	1367	20	2868	1380	1278	1580	21	4082	1916	1798	2100	21	4510	2113	1893	2195
<b>260</b>	---	---	---	---	---	05	855	412	828	1130	06	1401	676	1227	1529	06	1482	718	1317	1619
	09	1105	531	811	1113	10	1313	631	945	1247	11	2605	1237	1361	1663	11	2831	1344	1456	1758
	14	1804	867	981	1283	15	2202	1059	1166	1468	16	3401	1605	1734	2036	16	3726	1756	1837	2139
	19	2478	1191	1124	1426	20	3107	1495	1350	1652	21	4423	2076	1902	2204	21	4885	2289	2005	2307

Mini freestanding model is also available in lengths 280 and 300 cm, see: [www.jaga.com](http://www.jaga.com)

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## TEMPO FREESTANDING

Warm power, simple style

- The Jaga classic for rooms with glazed façades. Efficient, freestanding Low H<sub>2</sub>O technology.
- No wasteful heat loss from radiation through glazing.
- Light, compact and easy to handle packaging.
- Suitable for integrated valve.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as a wall mounted model.  
See page 46.

TEMPO FREESTANDING white 101 (RAL 9010)





TEMPO FREESTANDING

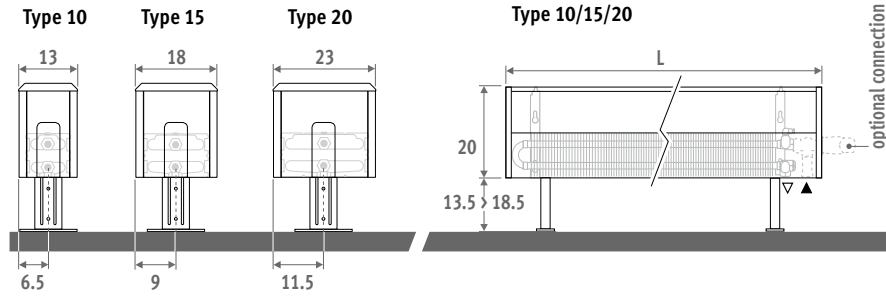
# TEMPO FREESTANDING

EN 442



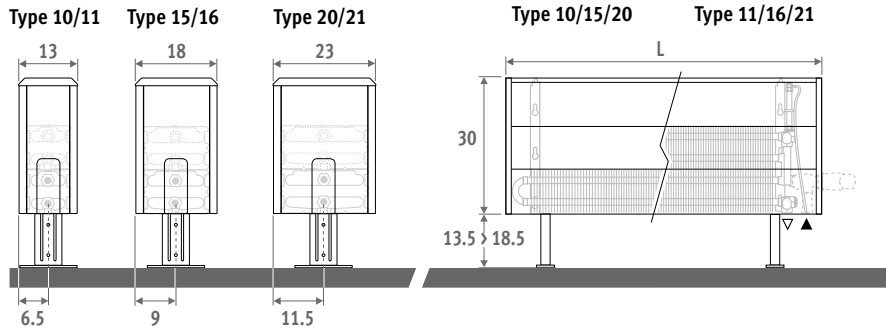
## DIMENSIONS (in cm)

### HEIGHT 020

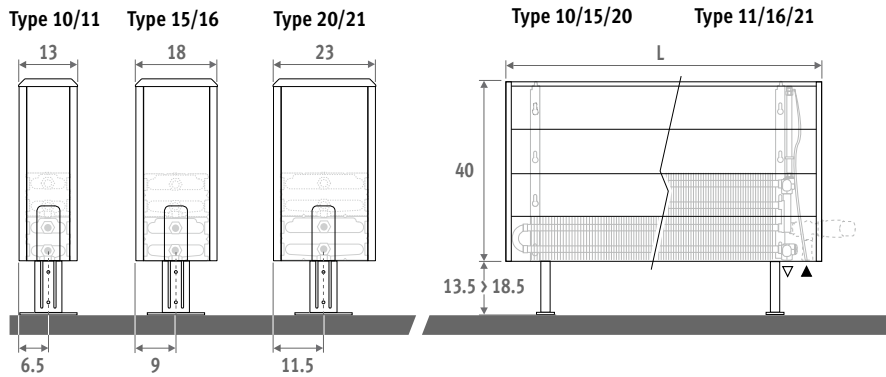


Also available as a wall mounted model. See page 46.

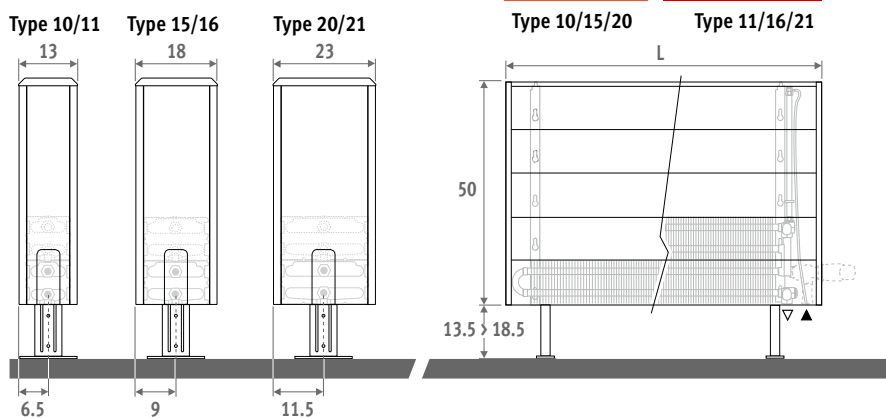
### HEIGHT 030



### HEIGHT 040



### HEIGHT 050





# TEMPO FREESTANDING

## DELIVERY

Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

standard delivery:

- Low-H<sub>2</sub>O heat exchanger with air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- easy to mount casing with one closed side panel and one open panel for TRV head. The side panels can be mounted both left or right.
- standard adjustable feet in neutral grey

## COLOUR

Scratch-resistant surface coating with a soft structured, satin gloss finish. High UV resistance.

Standard colour: white RAL 9010 (101)

## CONNECTION

Standard connection: bottom end left or right



## OPTIONS

### Feet in the same colour as the casing

For feet in the same colour as the casing, repeat the colour code after the code of the radiator.

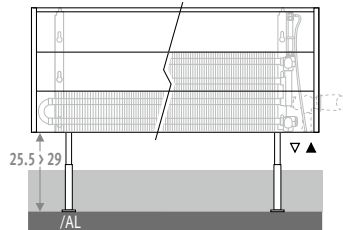
Ex.: TEMF. HHH LLL TT.101/101

Surcharge	€
Length casing	
040 > 120	2 feet 21
140 > 220	3 feet 33
240 > 300	4 feet 44

### Extended adjustable feet

- For installation on a rough subfloor or computer floor.
- For extended feet in neutral grey, add /AL to the ordering code.
- Ex.: TEMF. 020 040 10.101/AL
- For extended feet in the same colour as the casing, add /AL to the ordering code and repeat the colour code.
- Ex.: TEMF. 020 040 10.101/AL/101

Surcharge	€	€
Length casing	grey	colour
040 > 120	2 feet 8,20	30
140 > 220	3 feet 12,40	44
240 > 300	4 feet 15,50	59



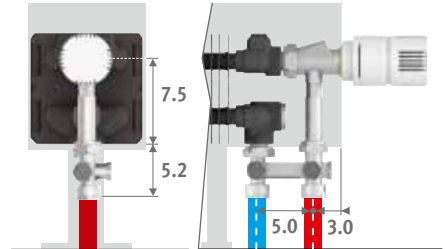
## ORDERING CODE

code	height	length	type	colour
TEMF .	020	040	10 .	XXX
fill in colour code				

## CONNECTION SETS

### Jaga H-valve to the floor for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.



set 104	CODE	1-PIPE/2-PIPE	€
	COLO.HBSF.AW.4...		97
	COLO.HBSF.JW.4...		106
fill in sleeve coupling code			
	Precision metal tube 15/1		115
	Precision metal tube 16/1		116
	RPE/ALU tube 16/2		616
	RPE/ALU tube 20/2		620

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information



# TEMPO FREESTANDING

TEMF.HHH LLL TT.101

	STANDARD			
	Type	Watts	Watts	€
		75/65	55/45	
<b>L</b>	<b>H 020</b>			
040	10	262	126	214
	15	436	211	244
	20	613	296	276
050	10	328	158	229
	15	545	263	262
	20	766	370	297
060	10	393	189	243
	15	654	316	284
	20	919	444	323
070	10	459	221	273
	15	763	369	321
	20	1072	518	372
080	10	524	252	287
	15	872	421	340
	20	1226	592	397
090	10	590	284	302
	15	981	474	363
	20	1379	666	423
100	10	655	316	331
	15	1090	526	396
	20	1532	740	464
110	10	721	347	345
	15	1199	579	421
	20	1685	814	494
120	10	786	379	361
	15	1308	632	439
	20	1838	888	519
140	10	917	442	423
	15	1526	737	514
	20	2145	1036	635
160	10	1048	505	479
	15	1744	842	591
	20	2451	1184	735
180	10	1179	568	516
	15	1962	948	639
	20	2758	1332	794
200	10	1310	631	556
	15	2180	1053	721
	20	3064	1480	860
220	10	1441	694	623
	15	2398	1158	813
	20	3370	1628	978
240	10	1572	757	687
	15	2616	1264	891
	20	3677	1776	1069
260	10	1703	820	723
	15	2834	1369	942
	20	3983	1924	1135
280	10	1834	884	771
	15	3052	1474	1006
	20	4290	2072	1209
300	10	1965	947	808
	15	3270	1579	1052
	20	4596	2220	1268

	STANDARD			
	Type	Watts	Watts	€
		75/65	55/45	
	<b>H 030</b>			
10	10	330	160	233
	15	544	264	262
	20	762	370	293
10	10	413	200	247
	15	680	330	284
	20	953	463	319
10	10	496	240	264
	15	815	396	304
	20	1144	556	343
10	10	578	280	297
	15	951	462	343
	20	1334	648	396
10	10	661	320	314
	15	1087	528	366
	20	1525	741	423
10	10	743	360	333
	15	1223	594	392
	20	1715	834	453
10	10	826	400	362
	15	1359	660	426
	20	1906	926	498
10	10	909	440	381
	15	1495	727	455
	20	2097	1019	530
10	10	991	480	397
	15	1631	793	475
	20	2287	1112	556
10	10	1156	560	468
	15	1903	925	557
	20	2668	1297	677
10	10	1322	640	530
	15	2174	1057	639
	20	3050	1482	783
10	10	1487	720	569
	15	2446	1189	691
	20	3431	1668	849
10	10	1652	800	616
	15	2718	1321	781
	20	3812	1853	921
10	10	1817	880	688
	15	2990	1453	877
	20	4193	2038	1043
10	10	1982	960	758
	15	3262	1585	962
	20	4574	2223	1138
10	10	2148	1040	799
	15	3533	1717	1017
	20	4956	2409	1209
10	10	2313	1120	853
	15	3805	1849	1086
	20	5337	2594	1289
10	10	2478	1200	892
	15	4077	1981	1136
	20	5718	2779	1352

	TWIN			
	Type	Watts	Watts	€
		75/65	55/45	
11	11	448	213	337
	16	592	279	383
	21	779	365	404
11	11	561	267	362
	16	740	349	416
	21	974	456	440
11	11	673	320	383
	16	888	418	448
	21	1169	547	477
11	11	785	373	433
	16	1036	488	513
	21	1364	639	549
11	11	897	426	457
	16	1184	558	544
	21	1558	730	587
11	11	1009	479	482
	16	1332	628	580
	21	1753	821	628
11	11	1121	533	524
	16	1480	697	636
	21	1948	912	692
11	11	1233	586	553
	16	1628	767	673
	21	2143	1003	736
11	11	1345	639	577
	16	1776	837	706
	21	2338	1095	774
11	11	1569	745	664
	16	2072	976	813
	21	2727	1277	939
11	11	1794	852	759
	16	2368	1116	944
	21	3117	1460	1095
11	11	2018	959	815
	16	2664	1255	1021
	21	3506	1642	1184
11	11	2242	1065	881
	16	2960	1395	1160
	21	3896	1824	1282
11	11	2466	1172	989
	16	3256	1534	1315
	21	4286	2007	1461
11	11	2690	1278	1080
	16	3552	1674	1430
	21	4675	2189	1589
11	11	2915	1385	1143
	16	3848	1813	1512
	21	5065	2372	1685
11	11	3139	1491	1214
	16	4144	1953	1607
	21	5454	2554	1793
11	11	3363	1598	1272
	16	4440	2092	1685
	21	5844	2736	1886

EN442 output at 20°C room temperature

# TEMPO FREESTANDING

TEMF.HHH LLL TT.101

	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
<b>L</b>	<b>H 040</b>							
<b>040</b>	10	385	187	250	11	506	241	355
	15	627	306	285	16	680	320	408
	20	878	429	317	21	910	424	426
<b>050</b>	10	482	234	266	11	632	300	379
	15	784	383	305	16	850	400	440
	20	1098	537	341	21	1137	530	463
<b>060</b>	10	578	281	287	11	758	360	406
	15	941	460	332	16	1020	480	474
	20	1318	645	373	21	1364	636	503
<b>070</b>	10	674	328	322	11	885	421	457
	15	1098	537	375	16	1190	560	540
	20	1537	752	425	21	1592	742	580
<b>080</b>	10	770	375	338	11	1011	481	482
	15	1254	613	397	16	1360	639	576
	20	1757	859	454	21	1819	848	620
<b>090</b>	10	867	422	361	11	1138	541	510
	15	1411	690	423	16	1530	719	613
	20	1976	966	488	21	2047	954	661
<b>100</b>	10	963	469	394	11	1264	601	556
	15	1568	766	462	16	1700	799	671
	20	2196	1074	535	21	2274	1060	729
<b>110</b>	10	1059	515	416	11	1390	661	586
	15	1725	843	493	16	1870	879	713
	20	2416	1182	569	21	2501	1166	776
<b>120</b>	10	1156	562	432	11	1517	721	610
	15	1882	920	515	16	2040	959	746
	20	2635	1289	597	21	2729	1272	814
<b>140</b>	10	1348	656	510	11	1770	841	708
	15	2195	1073	605	16	2380	1119	861
	20	3074	1503	728	21	3184	1484	989
<b>160</b>	10	1541	750	576	11	2022	961	806
	15	2509	1226	691	16	2720	1279	995
	20	3514	1718	836	21	3638	1696	1147
<b>180</b>	10	1733	843	621	11	2275	1081	869
	15	2822	1379	749	16	3060	1439	1079
	20	3953	1933	907	21	4093	1908	1243
<b>200</b>	10	1926	937	675	11	2528	1202	938
	15	3136	1533	846	16	3400	1599	1226
	20	4392	2148	987	21	4548	2120	1348
<b>220</b>	10	2119	1031	749	11	2781	1322	1053
	15	3450	1686	946	16	3740	1759	1385
	20	4831	2363	1111	21	5003	2332	1529
<b>240</b>	10	2311	1124	827	11	3034	1442	1149
	15	3763	1839	1037	16	4080	1918	1505
	20	5270	2577	1217	21	5458	2544	1666
<b>260</b>	10	2504	1218	872	11	3286	1562	1216
	15	4077	1993	1097	16	4420	2078	1593
	20	5710	2792	1290	21	5912	2755	1767
<b>280</b>	10	2696	1312	934	11	3539	1682	1296
	15	4390	2146	1172	16	4760	2238	1693
	20	6149	3007	1376	21	6367	2968	1882
<b>300</b>	10	2889	1406	976	11	3792	1802	1355
	15	4704	2299	1227	16	5100	2398	1777
	20	6588	3222	1445	21	6822	3180	1978

	STANDARD				TWIN			
	Type	Watts 75/65	Watts 55/45	€	Type	Watts 75/65	Watts 55/45	€
<b>H 050</b>								
<b>10</b>	430	210	271	11	554	263	376	
<b>15</b>	694	341	307	16	759	356	430	
<b>20</b>	970	477	340	21	1033	479	452	
<b>10</b>	538	263	289	11	693	330	401	
<b>15</b>	867	426	330	16	949	445	462	
<b>20</b>	1213	597	368	21	1291	599	490	
<b>10</b>	646	316	311	11	832	396	430	
<b>15</b>	1040	511	357	16	1139	534	500	
<b>20</b>	1455	716	402	21	1549	719	534	
<b>10</b>	753	368	350	11	970	461	484	
<b>15</b>	1214	597	403	16	1329	624	569	
<b>20</b>	1698	835	457	21	1807	839	610	
<b>10</b>	861	421	368	11	1109	527	510	
<b>15</b>	1387	682	426	16	1518	712	605	
<b>20</b>	1940	954	488	21	2066	959	652	
<b>10</b>	968	473	392	11	1247	593	540	
<b>15</b>	1561	768	456	16	1708	801	646	
<b>20</b>	2183	1074	521	21	2324	1079	698	
<b>10</b>	1076	526	425	11	1386	659	590	
<b>15</b>	1734	853	498	16	1898	891	706	
<b>20</b>	2425	1193	574	21	2582	1198	767	
<b>10</b>	1184	579	452	11	1525	725	623	
<b>15</b>	1907	938	533	16	2088	980	750	
<b>20</b>	2668	1312	609	21	2840	1318	815	
<b>10</b>	1291	631	469	11	1663	791	649	
<b>15</b>	2081	1023	554	16	2278	1069	786	
<b>20</b>	2910	1431	638	21	3098	1438	856	
<b>10</b>	1506	736	556	11	1940	923	753	
<b>15</b>	2428	1194	654	16	2657	1247	912	
<b>20</b>	3395	1670	778	21	3615	1678	1040	
<b>10</b>	1722	842	624	11	2218	1055	855	
<b>15</b>	2774	1364	743	16	3037	1425	1050	
<b>20</b>	3880	1908	892	21	4131	1917	1204	
<b>10</b>	1937	947	676	11	2495	1187	923	
<b>15</b>	3121	1535	807	16	3416	1603	1137	
<b>20</b>	4365	2147	968	21	4648	2157	1303	
<b>10</b>	2152	1052	736	11	2772	1318	1000	
<b>15</b>	3468	1706	911	16	3796	1781	1289	
<b>20</b>	4850	2385	1054	21	5164	2397	1416	
<b>10</b>	2367	1157	814	11	3049	1450	1118	
<b>15</b>	3815	1876	1014	16	4176	1959	1451	
<b>20</b>	5335	2624	1184	21	5680	2636	1601	
<b>10</b>	2582	1262	897	11	3326	1582	1222	
<b>15</b>	4162	2047	1113	16	4555	2137	1581	
<b>20</b>	5820	2862	1296	21	6197	2876	1744	
<b>10</b>	2798	1368	948	11	3604	1714	1293	
<b>15</b>	4508	2217	1176	16	4935	2316	1672	
<b>20</b>	6305	3101	1373	21	6713	3116	1849	
<b>10</b>	3013	1473	1015	11	3881	1846	1377	
<b>15</b>	4855	2388	1257	16	5314	2493	1780	
<b>20</b>	6790	3339	1467	21	7230	3356	1971	
<b>10</b>	3228	1578	1063	11	4158	1977	1442	
<b>15</b>	5202	2558	1316	16	5694	2672	1867	
<b>20</b>	7275	3578	1541	21	7746	3595	2072	

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## LINEA PLUS FREESTANDING

Warm power, slim line

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Discreet slim-line design with flat front panel and stylish aluminium grille.
- No wasteful heat loss from radiation through glazing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Suitable for integrated valve.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

Also available as a wall mounted model. See page 38.

LINEA PLUS white 133 (RAL 9016)





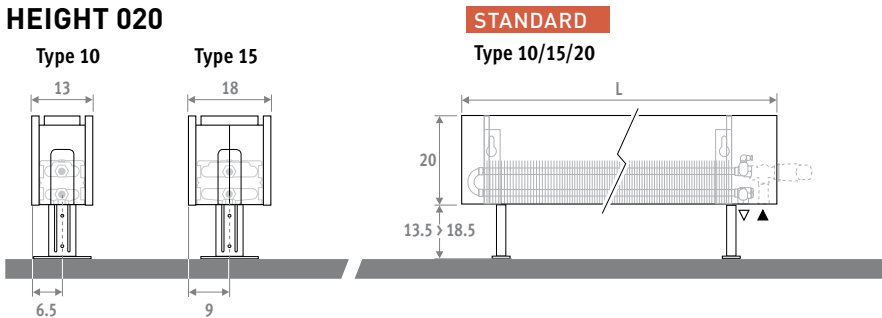
LINEA PLUS FREESTANDING

# LINEA PLUS FREESTANDING

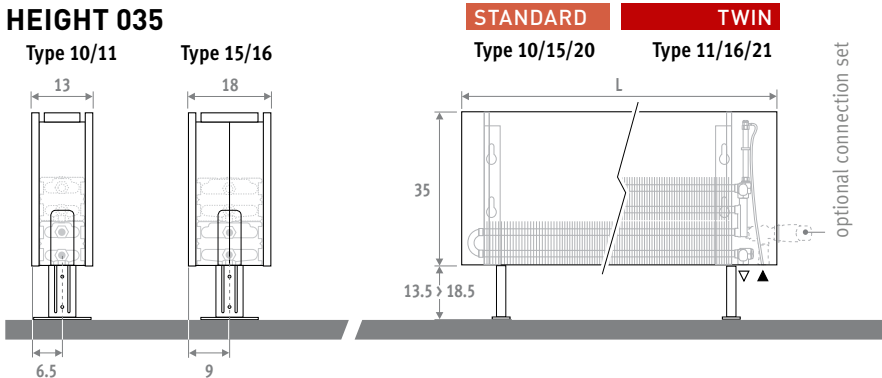


## DIMENSIONS (in cm)

### HEIGHT 020



### HEIGHT 035



Also available as a wall mounted model. See page 38.

## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- connection left or right below
- standard adjustable feet in neutral grey

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

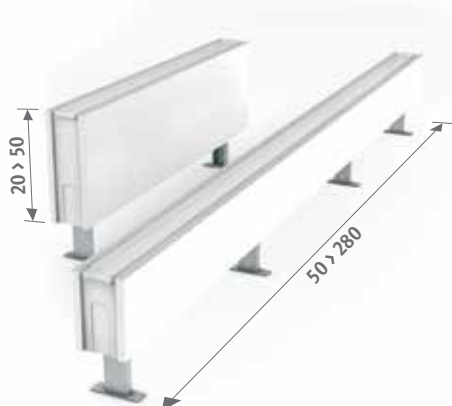
Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Standard connection: bottom end left or right



## OPTIONS

### Feet in the same colour as the casing

For feet in the same colour as the casing, repeat the colour code after the code of the radiator.

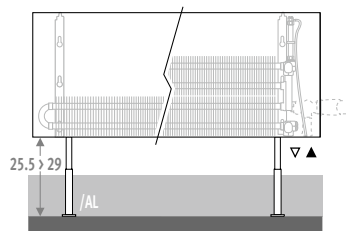
ex.: LINF. HHH LLL TT.XXX/XXX

Surcharge	Length casing	€
	050 > 110	2 feet 21
	120 > 220	3 feet 33
	240 > 300	4 feet 44

### Extended adjustable feet

- For installation on a rough subfloor or computer floor.
- For extended feet in neutral grey, add /AL to the ordering code.  
ex.: LINF. 020 050 10.XXX/AL
- For extended feet in the same colour as the casing, add /AL to the ordering code and repeat the colour code.  
ex.: LINF. 020 050 10.XXX/AL/XXX

Surcharge	Length casing	grey	€	€	colour
	050 > 110	2 feet	9,60	35	
	120 > 220	3 feet	17,10	55	
	240 > 380	4 feet	21	74	



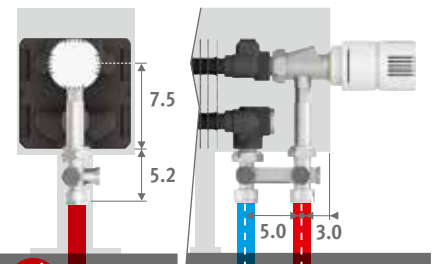
## ORDERING CODE

code	height	length	type	colour
LINF .	020	050	10 .	XXX
fill in colour code				

## CONNECTION SETS

### Jaga H-valve to the floor for one or two pipe

TRV head and sleeve couplings Eurocone 3/4" included.



set 104	CODE 1-PIPE/2-PIPE	€
	COLO.HBSF.AW.4...	97
	COLO.HBSF.JW.4...	106

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

### Other connections:

see chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.

# LINEA PLUS FREESTANDING

LINF.HHH LLL TT.XXX

STANDARD					
	Type	Watts		€	€
		75/65	55/45	st. colour	other
<b>L</b>	<b>H 020</b>				
<b>050</b>	<b>10</b>	271	129	<b>263</b>	<b>372</b>
	<b>15</b>	483	231	<b>312</b>	<b>421</b>
<b>060</b>	<b>10</b>	325	155	<b>279</b>	<b>388</b>
	<b>15</b>	580	278	<b>332</b>	<b>441</b>
<b>070</b>	<b>10</b>	379	180	<b>305</b>	<b>414</b>
	<b>15</b>	676	324	<b>365</b>	<b>474</b>
<b>080</b>	<b>10</b>	433	206	<b>326</b>	<b>435</b>
	<b>15</b>	773	370	<b>392</b>	<b>501</b>
<b>090</b>	<b>10</b>	487	232	<b>341</b>	<b>450</b>
	<b>15</b>	869	416	<b>413</b>	<b>522</b>
<b>100</b>	<b>10</b>	541	258	<b>365</b>	<b>538</b>
	<b>15</b>	966	463	<b>443</b>	<b>616</b>
<b>110</b>	<b>10</b>	595	283	<b>381</b>	<b>554</b>
	<b>15</b>	1063	509	<b>464</b>	<b>637</b>
<b>120</b>	<b>10</b>	649	309	<b>426</b>	<b>599</b>
	<b>15</b>	1159	555	<b>517</b>	<b>690</b>
<b>140</b>	<b>10</b>	757	360	<b>461</b>	<b>634</b>
	<b>15</b>	1352	648	<b>562</b>	<b>735</b>
<b>160</b>	<b>10</b>	866	412	<b>542</b>	<b>715</b>
	<b>15</b>	1546	741	<b>664</b>	<b>837</b>
<b>180</b>	<b>10</b>	974	464	<b>589</b>	<b>762</b>
	<b>15</b>	1739	833	<b>720</b>	<b>893</b>
<b>200</b>	<b>10</b>	1082	515	<b>638</b>	<b>940</b>
	<b>15</b>	1932	925	<b>811</b>	<b>1113</b>
<b>220</b>	<b>10</b>	1190	567	<b>745</b>	<b>1047</b>
	<b>15</b>	2125	1018	<b>941</b>	<b>1243</b>
<b>240</b>	<b>10</b>	1298	618	<b>816</b>	<b>1118</b>
	<b>15</b>	2318	1110	<b>1029</b>	<b>1331</b>
<b>260</b>	<b>10</b>	1407	670	<b>866</b>	<b>1168</b>
	<b>15</b>	2512	1203	<b>1090</b>	<b>1392</b>
<b>280</b>	<b>10</b>	1515	721	<b>907</b>	<b>1209</b>
	<b>15</b>	2705	1296	<b>1145</b>	<b>1447</b>

STANDARD					
	Type	Watts		€	€
		75/65	55/45	st. colour	other
<b>H 035</b>	<b>10</b>	392	188	<b>292</b>	<b>401</b>
	<b>15</b>	673	327	<b>340</b>	<b>449</b>
<b>10</b>	<b>10</b>	470	226	<b>311</b>	<b>420</b>
	<b>15</b>	808	392	<b>364</b>	<b>473</b>
<b>10</b>	<b>10</b>	548	263	<b>338</b>	<b>447</b>
	<b>15</b>	942	457	<b>401</b>	<b>510</b>
<b>10</b>	<b>10</b>	626	301	<b>362</b>	<b>471</b>
	<b>15</b>	1077	523	<b>428</b>	<b>537</b>
<b>10</b>	<b>10</b>	705	339	<b>383</b>	<b>492</b>
	<b>15</b>	1211	588	<b>457</b>	<b>566</b>
<b>10</b>	<b>10</b>	783	376	<b>409</b>	<b>582</b>
	<b>15</b>	1346	653	<b>489</b>	<b>662</b>
<b>10</b>	<b>10</b>	861	414	<b>426</b>	<b>599</b>
	<b>15</b>	1481	719	<b>514</b>	<b>687</b>
<b>10</b>	<b>10</b>	940	451	<b>476</b>	<b>649</b>
	<b>15</b>	1615	784	<b>567</b>	<b>740</b>
<b>10</b>	<b>10</b>	1096	526	<b>517</b>	<b>690</b>
	<b>15</b>	1884	915	<b>620</b>	<b>793</b>
<b>10</b>	<b>10</b>	1253	602	<b>608</b>	<b>781</b>
	<b>15</b>	2154	1046	<b>729</b>	<b>902</b>
<b>10</b>	<b>10</b>	1409	677	<b>659</b>	<b>832</b>
	<b>15</b>	2423	1176	<b>793</b>	<b>966</b>
<b>10</b>	<b>10</b>	1566	752	<b>714</b>	<b>1016</b>
	<b>15</b>	2692	1307	<b>889</b>	<b>1191</b>
<b>10</b>	<b>10</b>	1723	828	<b>827</b>	<b>1129</b>
	<b>15</b>	2961	1438	<b>1026</b>	<b>1328</b>
<b>10</b>	<b>10</b>	1879	902	<b>911</b>	<b>1213</b>
	<b>15</b>	3230	1568	<b>1124</b>	<b>1426</b>
<b>10</b>	<b>10</b>	2036	978	<b>962</b>	<b>1264</b>
	<b>15</b>	3500	1699	<b>1188</b>	<b>1490</b>
<b>10</b>	<b>10</b>	2192	1053	<b>1011</b>	<b>1313</b>
	<b>15</b>	3769	1830	<b>1251</b>	<b>1553</b>

TWIN					
	Type	Watts		€	€
		75/65	55/45	st. colour	other
<b>11</b>	<b>11</b>	524	246	<b>404</b>	<b>513</b>
	<b>16</b>	733	344	<b>475</b>	<b>584</b>
<b>11</b>	<b>11</b>	629	296	<b>430</b>	<b>539</b>
	<b>16</b>	879	412	<b>508</b>	<b>617</b>
<b>11</b>	<b>11</b>	734	345	<b>474</b>	<b>583</b>
	<b>16</b>	1026	481	<b>567</b>	<b>676</b>
<b>11</b>	<b>11</b>	838	394	<b>504</b>	<b>613</b>
	<b>16</b>	1172	550	<b>607</b>	<b>716</b>
<b>11</b>	<b>11</b>	943	443	<b>535</b>	<b>644</b>
	<b>16</b>	1319	619	<b>647</b>	<b>756</b>
<b>11</b>	<b>11</b>	1048	493	<b>571</b>	<b>744</b>
	<b>16</b>	1465	687	<b>697</b>	<b>870</b>
<b>11</b>	<b>11</b>	1153	542	<b>598</b>	<b>771</b>
	<b>16</b>	1612	756	<b>732</b>	<b>905</b>
<b>11</b>	<b>11</b>	1258	592	<b>658</b>	<b>831</b>
	<b>16</b>	1758	824	<b>803</b>	<b>976</b>
<b>11</b>	<b>11</b>	1467	690	<b>715</b>	<b>888</b>
	<b>16</b>	2051	962	<b>876</b>	<b>1049</b>
<b>11</b>	<b>11</b>	1677	789	<b>837</b>	<b>1010</b>
	<b>16</b>	2344	1099	<b>1035</b>	<b>1208</b>
<b>11</b>	<b>11</b>	1886	887	<b>907</b>	<b>1080</b>
	<b>16</b>	2637	1237	<b>1126</b>	<b>1299</b>
<b>11</b>	<b>11</b>	2096	986	<b>978</b>	<b>1280</b>
	<b>16</b>	2930	1374	<b>1268</b>	<b>1570</b>
<b>11</b>	<b>11</b>	2306	1084	<b>1130</b>	<b>1432</b>
	<b>16</b>	3223	1512	<b>1465</b>	<b>1767</b>
<b>11</b>	<b>11</b>	2515	1183	<b>1233</b>	<b>1535</b>
	<b>16</b>	3516	1649	<b>1591</b>	<b>1893</b>
<b>11</b>	<b>11</b>	2725	1281	<b>1304</b>	<b>1606</b>
	<b>16</b>	3809	1786	<b>1684</b>	<b>1986</b>
<b>11</b>	<b>11</b>	2934	1380	<b>1373</b>	<b>1675</b>
	<b>16</b>	4102	1924	<b>1773</b>	<b>2075</b>

EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## KNOCKONWOOD FREESTANDING DBE

Warm power, noble wood

- Developed for the house of the future, “Living Tomorrow”, in Vilvoorde-Belgium.
- Completely pre-assembled including DBE units, connection set and TRV head.
- Casing with curved wooden shell finished in high-grade veneer in 9 wood finishes.
- Hidden control with pre-mounted connection set and TRV head.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- DBE (Dynamic Boost Effect) for compact dimensions at super-low water temperatures from 28 °C.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.

**LIVING  
TOMORROW**  
[Where visions meet](#)







KNOCKONWOOD FREESTANDING DBE





# KNOCKONWOOD FREESTANDING DBE

KNUF. 021 LLL 15.XXX/DBE/...

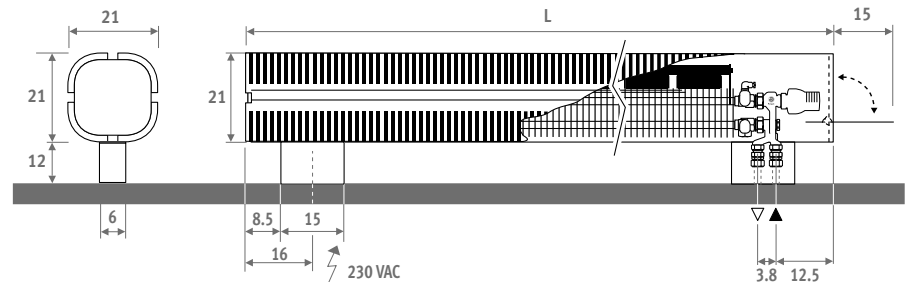
Completely pre-assembled including DBE units, connection set and TRV head

L	Type	STANDBY*		COMFORT			€	
		Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 35/30	cat. 1	cat. 2
110	15	1178	575	1678	1001	414	On request	
130	15	1414	690	2164	1291	534		
170	15	1885	920	2885	1721	712		
210	15	2356	1150	3606	2151	889		

\* Stand-by is the static output if the activators are not working. Transition from Stand-by to Comfort is effected automatically in accordance with the thermal need. Boost output see: [www.jaga.com](http://www.jaga.com)

utput at 20°C room temperature

## DIMENSIONS (in cm)



## ORDERING CODE

code	height	length	type	wood
KNUF . 021	110	15	. XXX /DBE/...	
			fill in type of wood	
			fill in sleeve coupling Eurocone	
			Precision metal tube 14/1	114
			Precision metal tube 15/1	115
			Precision metal tube 16/1	116
			RPE/ALU tube 16/2	316
			(other sleeve couplings: see "Connection sets and Valves Low-H <sub>2</sub> O")	

## STANDARD DELIVERY

Delivered in a cardboard box, which can also be used as protection on site after installation.

Standard delivery:

- pre-mounted radiator in one piece with easy to open side panel for setting temperature. Casing in plywood with veneer oak natural 700 (cat. 1), varnished in satin mat. Pre-mounted DBE set with operation, control and power supply 12 VDC included.
- Low-H<sub>2</sub>O heat exchanger type 15
- feet and side panels in sandblast grey 001, thermostatic head hidden behind the side panel.
- Jaga-Pro valve and Jaga thermostatic head. Can be connected at either end, inside the foot.
- angled air vent 1/8" and drain plug 1/2"

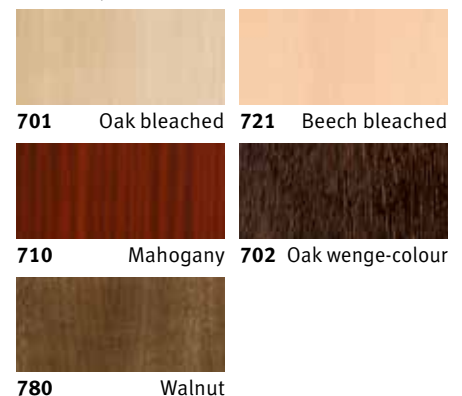
## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin mat, gloss degree 40%. High UV resistance.

### Category 1



### Category 2



# jaga

CLIMATE DESIGNERS

## PANEL PLUS FREESTANDING

Elegant simplicity and power

Streamlined, elegant design. The compact style of the Panel Plus allows creative freedom to the designer and saves space too! The sober design with a top grille included gives the Panel Plus an understated quality. Panel Plus is a super compact and solid freestanding solution but is also available as a horizontal or vertical wall radiator.

Horizontal version: see p. 68.  
Vertical version: see p. 112.

**PANEL PLUS FREESTANDING** height 18 cm,  
sandblast grey 001





# PANEL PLUS FREESTANDING

# PANEL PLUS FREESTANDING

## DIMENSIONS (in cm)

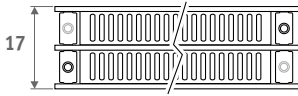


### PANEL PLUS FREESTANDING

- standard connection
- variant

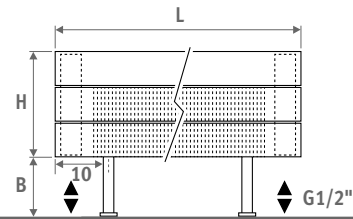
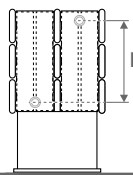
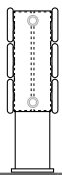


H	12	18	>18
B	7.5	10 > 13	12 > 17



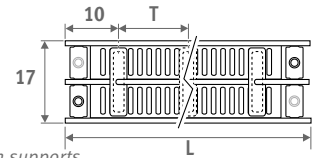
Type 22

Type 34

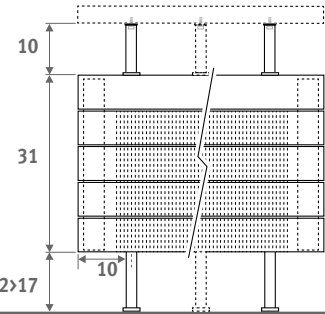
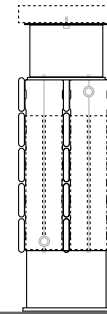


### BENCH RADIATOR

L	T	S*	V*
120	99.0	2	2
160	69.5	3	2
200	89.5	3	2
240	109.5	3	3
280	86.5	4	3



\* S = number of bench supports,  
V = number of feet



## DELIVERY

Standard delivery

- connection 18 underneath
- standard feet for installation on finished floor
- chrome-plated air vent and drain plug G1/2"
- pre-mounted grille

Standard delivery bench radiator

- Panel Plus radiator type 34 freestanding
- fixing set for bench (bench not included)

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (333), smooth satin matt
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## CONNECTION

Code:

1° number = flow

2° number = return

Standard connection:

Code 18, reversible 18 or 81

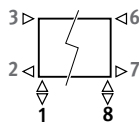
Other connections (no surcharge):

- side connection:

- one-sided: code 32 or 67 instead of 18
- cross-over: code 37 or 62 instead of 18

- single point connection: code 11 (left) or 88 (right) instead of 18.

Always use a vertical diffusion tube (ø 10 to 12mm) min. 100 mm long and a reduction washer.



## CONNECTION SETS

### Connection set to the floor Jaga Deco

TRV head and sleeve couplings included.



Set 34

To the floor

€



CODE.JF2.AC.1...

211

fill in sleeve coupling code

Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616
RPE/ALU tube 20/2	620

### Other connection sets and sleeve couplings

See chapter "Connection sets and valves Eyecatchers" for all connection options and technical information

Horizontal version: see p. 68.  
Vertical version: see p. 112.

# PANEL PLUS FREESTANDING

code height length type colour conn.  
**PPHF . 018 100 22 . XXX /18 /GR**  
 fill in colour code —┘

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L H 018</b>					
060	---	---	---	---	---
080	---	---	---	---	---
100	22	626	312	<b>849</b>	<b>1019</b>
	34	1140	538	<b>1301</b>	<b>1563</b>
120	22	751	374	<b>924</b>	<b>1111</b>
	34	1369	646	<b>1433</b>	<b>1720</b>
140	22	876	436	<b>1002</b>	<b>1202</b>
	34	1597	754	<b>1564</b>	<b>1878</b>
160	22	1001	498	<b>1080</b>	<b>1297</b>
	34	1825	862	<b>1693</b>	<b>2031</b>
180	22	1126	561	<b>1156</b>	<b>1388</b>
	34	2053	969	<b>1825</b>	<b>2189</b>
200	22	1252	623	<b>1232</b>	<b>1475</b>
	34	2281	1077	<b>1949</b>	<b>2340</b>
220	22	1377	686	<b>1342</b>	<b>1612</b>
	34	2509	1185	<b>2118</b>	<b>2541</b>
240	22	1502	748	<b>1416</b>	<b>1699</b>
	34	2737	1292	<b>2246</b>	<b>2697</b>
260	22	1627	810	<b>1495</b>	<b>1795</b>
	34	2965	1400	<b>2377</b>	<b>2855</b>
280	22	1752	872	<b>1572</b>	<b>1884</b>
	34	3193	1508	<b>2502</b>	<b>3003</b>
300	22	1877	935	<b>1646</b>	<b>1975</b>
	34	3421	1615	<b>2631</b>	<b>3160</b>

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L H 024</b>					
060	22	477	238	<b>776</b>	<b>931</b>
	34	875	413	<b>1235</b>	<b>1482</b>
080	22	636	317	<b>867</b>	<b>1039</b>
	34	1166	551	<b>1382</b>	<b>1661</b>
100	22	794	395	<b>956</b>	<b>1149</b>
	34	1458	688	<b>1533</b>	<b>1839</b>
120	22	953	475	<b>1038</b>	<b>1248</b>
	34	1749	826	<b>1680</b>	<b>2018</b>
140	22	1112	554	<b>1121</b>	<b>1344</b>
	34	2041	964	<b>1831</b>	<b>2197</b>
160	22	1271	633	<b>1209</b>	<b>1451</b>
	34	2332	1101	<b>1981</b>	<b>2375</b>
180	22	1430	712	<b>1291</b>	<b>1550</b>
	34	2624	1239	<b>2130</b>	<b>2555</b>
200	22	1589	791	<b>1373</b>	<b>1647</b>
	34	2915	1376	<b>2279</b>	<b>2734</b>
220	22	1748	870	<b>1492</b>	<b>1791</b>
	34	3207	1514	<b>2463</b>	<b>2956</b>
240	22	1907	950	<b>1577</b>	<b>1892</b>
	34	3498	1652	<b>2613</b>	<b>3135</b>
260	22	2065	1028	<b>1661</b>	<b>1994</b>
	34	3790	1789	<b>2762</b>	<b>3316</b>
280	22	2224	1107	<b>1743</b>	<b>2091</b>
	34	4081	1927	<b>2911</b>	<b>3495</b>
300	22	2383	1187	<b>1825</b>	<b>2190</b>
	34	4373	2065	<b>3059</b>	<b>3674</b>

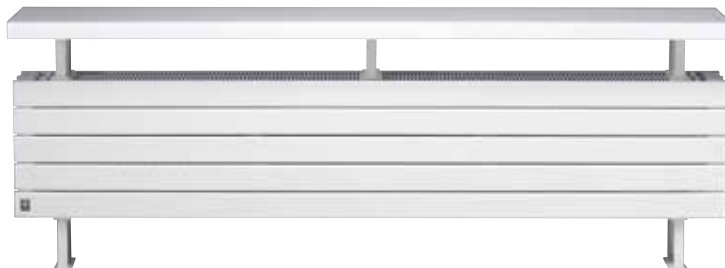
	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L H 031</b>					
060	22	571	284	<b>898</b>	<b>1077</b>
	34	1018	481	<b>1412</b>	<b>1694</b>
080	22	761	379	<b>1009</b>	<b>1211</b>
	34	1357	641	<b>1582</b>	<b>1898</b>
100	22	951	474	<b>1118</b>	<b>1342</b>
	34	1697	802	<b>1752</b>	<b>2100</b>
120	22	1142	569	<b>1214</b>	<b>1458</b>
	34	2036	962	<b>1921</b>	<b>2305</b>
140	22	1332	663	<b>1331</b>	<b>1597</b>
	34	2375	1122	<b>2090</b>	<b>2508</b>
160	22	1522	758	<b>1433</b>	<b>1719</b>
	34	2715	1283	<b>2262</b>	<b>2713</b>
180	22	1713	853	<b>1539</b>	<b>1846</b>
	34	3054	1443	<b>2431</b>	<b>2917</b>
200	22	1903	948	<b>1643</b>	<b>1973</b>
	34	3393	1603	<b>2602</b>	<b>3121</b>
220	22	2093	1042	<b>1784</b>	<b>2141</b>
	34	3733	1763	<b>2807</b>	<b>3369</b>
240	22	2283	1137	<b>1889</b>	<b>2267</b>
	34	4072	1924	<b>2976</b>	<b>3572</b>
260	22	2474	1232	<b>1999</b>	<b>2400</b>
	34	4411	2084	<b>3148</b>	<b>3777</b>
280	22	2664	1327	<b>2110</b>	<b>2533</b>
	34	4751	2244	<b>3317</b>	<b>3982</b>
300	22	2854	1421	<b>2219</b>	<b>2663</b>
	34	5090	2404	<b>3486</b>	<b>4185</b>

EN442 output at 20°C room temperature

Panel Plus freestanding is available from height 6 cm up to 31 cm and length 60 cm up to 460 cm. See: [www.jaga.com](http://www.jaga.com)

# PANEL PLUS BENCH RADIATOR

Bench not included



code height length type colour conn.  
**PPHF . 031 120 34 . XXX /18 /BE**  
 fill in colour code —┘

	Type	Watts	Watts	€	€
		75/65	55/45	st. colour	other
<b>L H 031</b>					
120	34	2199	1149	<b>1999</b>	<b>2400</b>
160	34	2932	1532	<b>2371</b>	<b>2844</b>
200	34	3665	1915	<b>2709</b>	<b>3253</b>
240	34	4398	2298	<b>3087</b>	<b>3703</b>
280	34	5131	2681	<b>3457</b>	<b>4149</b>

Bench not included EN442 output at 20°C room temperature

# jaga

CLIMATE DESIGNERS

## MINI CANAL

Minimal recess depth

For spaces with large windows, glazed façades, conservatories, display windows and offices. From a depth of 9 cm, Mini Canal is the perfect solution for multi - storey buildings and computer floors. Hidden under the grille is an ultra fast Low-H<sub>2</sub>O element. The internal elements of the Mini Canal have been made “invisible”, using lacquered dark grey components. The only eyecatching element left is the grille-cover which can be perfectly tailored to match the floor or the interior design.

- Depth from 9 cm
- Delivered ready-to-use , fully assembled and factory tested.
- A range of grilles for every interior
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- **A 30 year guarantee** on the heat exchanger.

OAK varnished

ALU LACQUERED gray granite (028) ▶







MINI CANAL

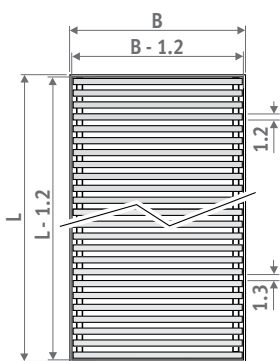
# OVERVIEW GRILLES - ROLL-UP

## DESIGNO WOODEN GRILLES

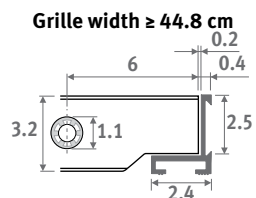
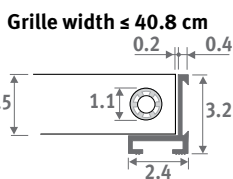


Roll-up natural or varnished grille, Designo model with reduced slat spacing and natural colour anodized aluminium spacers. Frame in natural coloured anodized aluminium.

**Free air flow: 52%**  
**Output correction factor: 0.93**



Dimensional tolerance grille width: 0/+0.2 cm



**DON** Oak natural



**DOV** Oak varnished



**DMN** Merbau natural



**DMV** Merbau varnished



**DBN** Beech natural



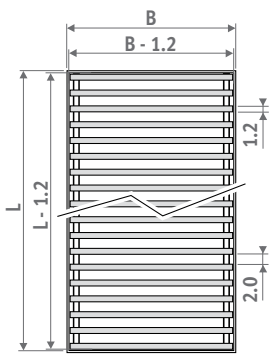
**DBV** Beech varnished

## WOODEN GRILLES

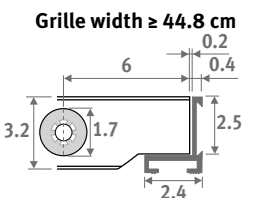
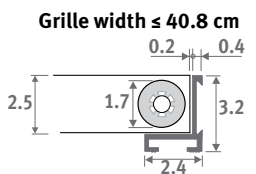


Roll-up natural or varnished grille, with dark brown coloured synthetic spacers. Frame in brown anodized aluminium. Free air flow 63%.

**Free air flow: 63%**  
**Output correction factor: 0.97**



Dimensional tolerance grille width: 0/+0.2 cm



**RON** Oak natural



**ROV** Oak varnished



**RMN** Merbau natural



**RMV** Merbau varnished



**RBN** Beech natural



**RBV** Beech varnished

# ROLL-UP - OVERVIEW GRILLES

## ALUMINIUM GRILLES



**RNA** Natural aluminium



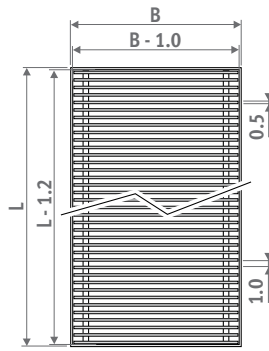
**RBL** Black



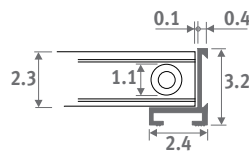
**RDB** Dark brown  
(Only for Mini Canal)



**RBR** Brass coloured  
(Only for Mini Canal)



Dimensional tolerance  
grille width:  $0/+0.2$  cm



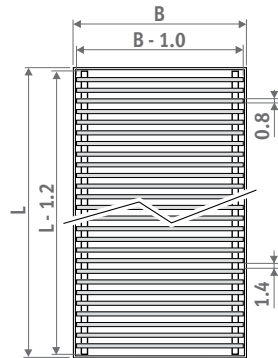
Roll-up anodized aluminium grille with frame in matching colour.

**Free air flow: 70%**

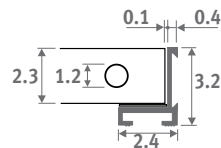
**No correction factor to apply on the output.**



**RSS** stainless steel



Dimensional tolerance  
grille width:  $0/+0.2$  cm



Roll-up grille in high grade stainless steel 1.4301. With matching frame in natural anodized aluminium. Maximum length: 6 m.

**Free air flow: 60%**

**Output correction factor: 0.96**

**Mini Canal and separate frames** are available with L-profile or Z-profile frame.

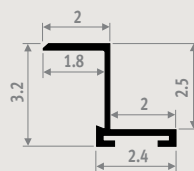
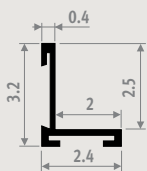
**Canal Compact and Canal Plus** are only available with L-profile frame.



Frame  
L-profile

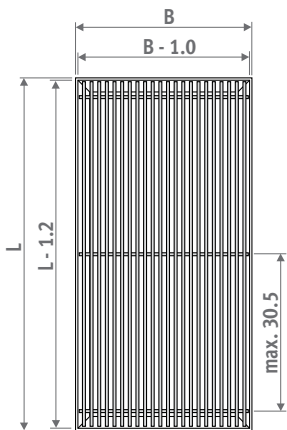
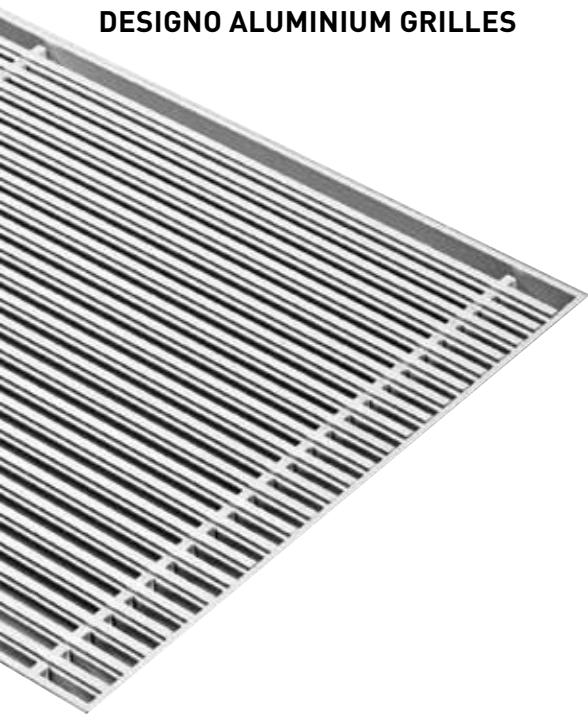


Cover frame  
Z-profile

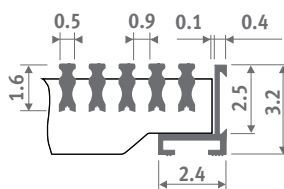


# OVERVIEW GRILLES - RIGID

## DESIGNO ALUMINIUM GRILLES

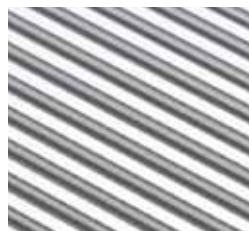


Dimensional tolerance grille width: 0/+0.2 cm



Rigid anodized aluminium grille, Designo model with reduced slat spacing. Matching colour frame.

**free air flow: 62.5%**  
**Output correction factor: 0.97**



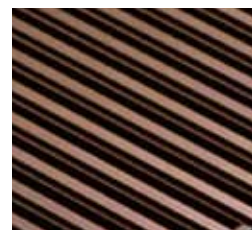
**DNA** Natural aluminium



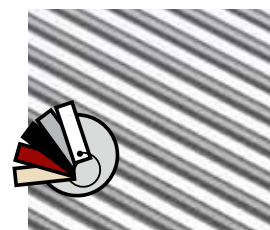
**DBL** Black



**DBR** Brass coloured (Only for Mini Canal)



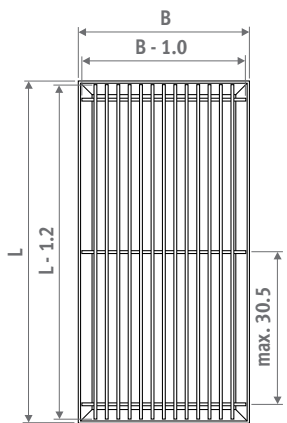
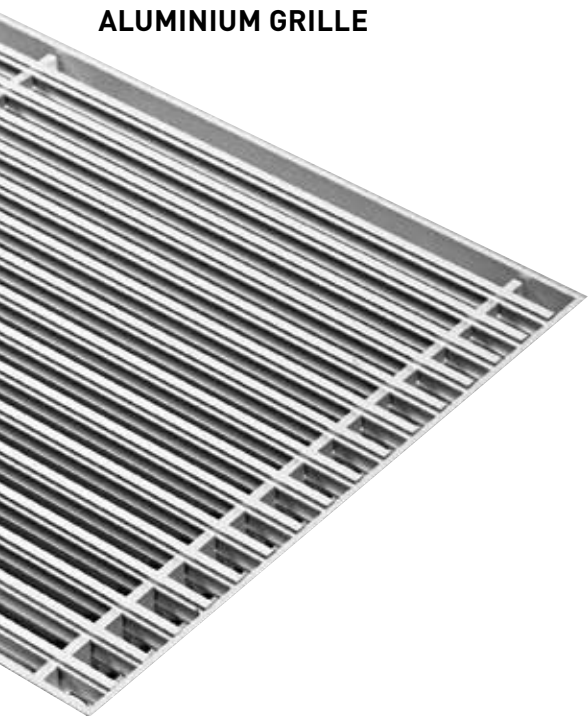
**DDB** Dark brown (Only for Mini Canal)



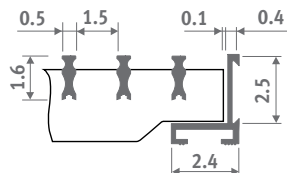
**DNC/XXX** Alu lacquered

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

## ALUMINIUM GRILLE



Dimensional tolerance grille width: 0/+0.2 cm



Rigid anodized aluminium grille with matching colour frame.

**Free air flow: 75%**  
**No correction factor to apply on the output.**



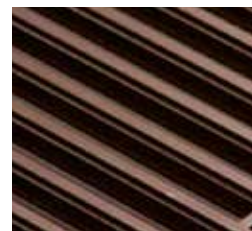
**SNA** Natural aluminium



**SBL** Black



**TBR** Brass coloured (Only for Mini Canal)



**SDB** Dark brown (Only for Mini Canal)



**SNC/XXX** Alu lacquered

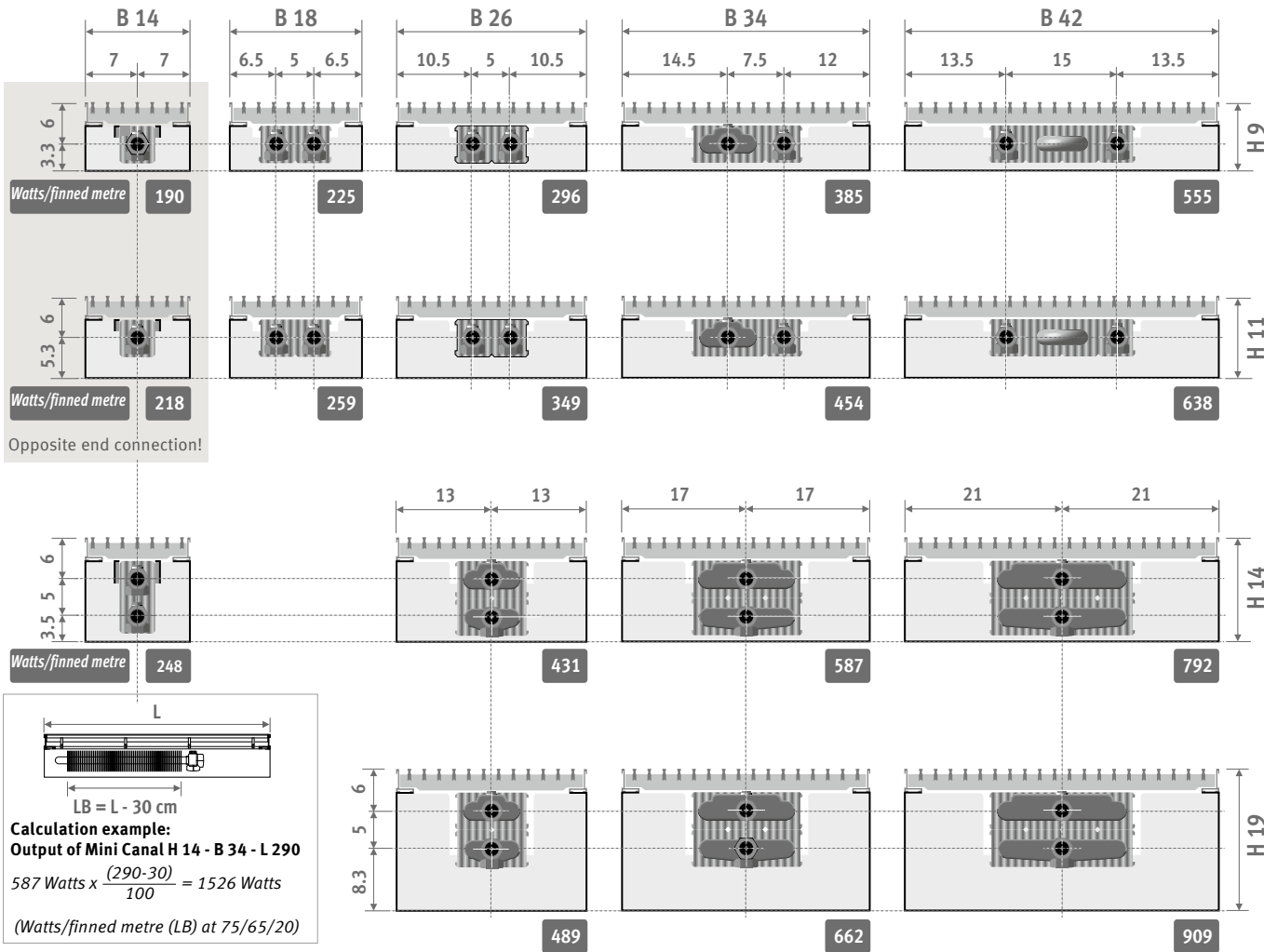
Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.



# MINI CANAL - SUMMARY

Building in-opening: height H + 1 cm, length L and width B + 0.5 cm!

## PRODUCT SUMMARY



### ORDERING CODE

#### WITH FRAME (L-PROFILE)

code	height	length	width	grille
MICL .	009	110	14 .	/XXX

fill in grille code

#### WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MICZ .	009	110	14 .	/XXX

fill in grille code

### DELIVERY

Pre-assembled, dark grey lacquered Mini Canal with:

- Low-H<sub>2</sub>O heat exchanger
- grille and mounted L-profile or Z-profile frame
- fixing straps
- air vent(s) 1/8" and drain plug(s) 1/2"

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

### INSTALLATION

The Mini Canal is supplied completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired.

The cover frame allows the seam between the floor and the trench to be covered.

#### Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening.
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

# COMPOSITION ■ MINI CANAL

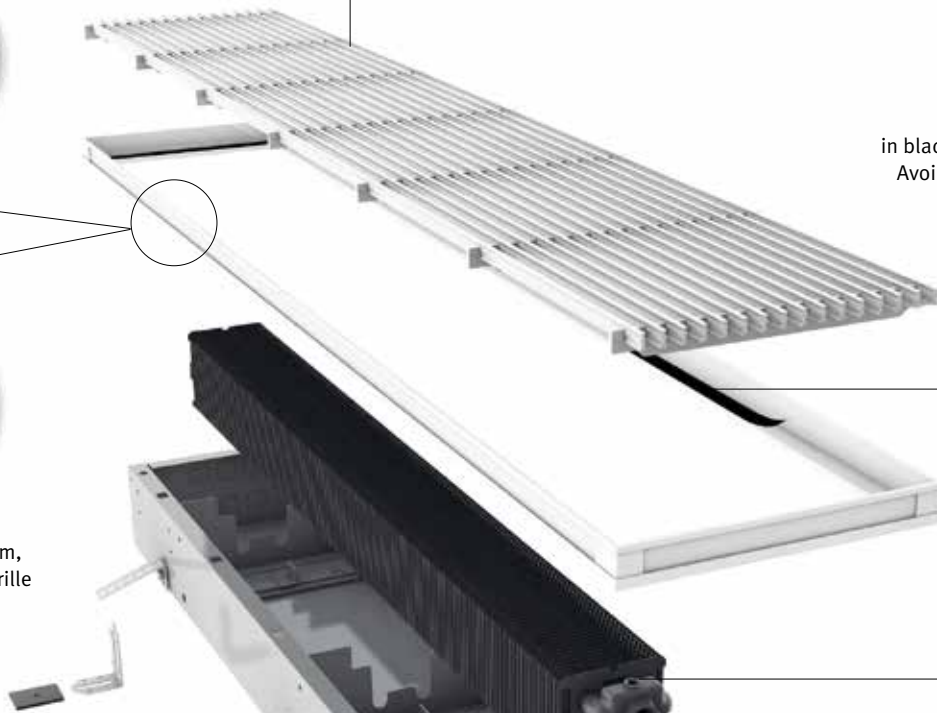
**Frame (MICL)**  
in anodized aluminium,  
colour to match the grille



**Grille**  
a wide range of design types and colours in  
anodized aluminium, various wood finishes  
and stainless steel

**Contact strip**  
in black rubber (option).  
Avoids contact noises.

**Cover frame (MICZ)**  
in anodized aluminium,  
colour to match the grille



**Air vent**

**Fixing straps**  
number depending on the length

**Low-H<sub>2</sub>O heat exchanger**  
made of copper and aluminium,  
made «invisible» by a dark grey  
lacquer (RAL 7024)

**Mini duct**  
from Sendzimir galvanized and dark grey lacquered  
steel plate; thickness 1 mm, with connection holes  
on all sides

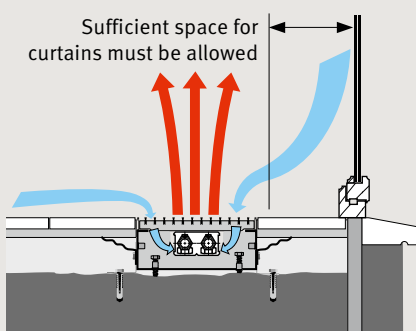
**Brackets**  
from electrolytic gal-  
vanized and dark grey  
lacquered steel plate;  
thickness 1 mm

**Easy height adjustment** for uneven floors  
(option). Provided with acoustic decoupling.

**Seals** for the  
connection holes, made of  
black synthetic material

**Pre-perforated system**  
for connections

## OPERATING PRINCIPLE



## EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

# MINI CANAL - INSTALLATION & CONNECTION

## CONNECTION

### Connection possibilities

There are several ways to connect the heat exchanger:

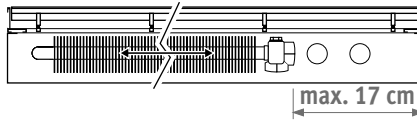
to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).

- with manual valve in the duct.

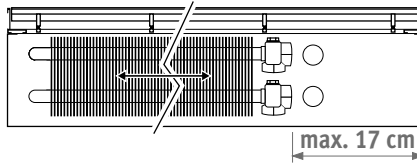
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

### Maximum space for connection

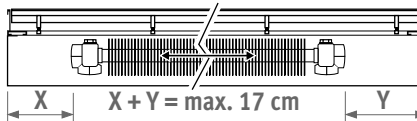
With same end connection, height 09 and 11.



With same end connection, height 14 and 19.

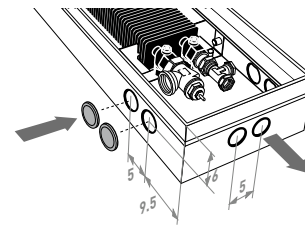


With opposite end connection. Width 14 and height 09 and 11.

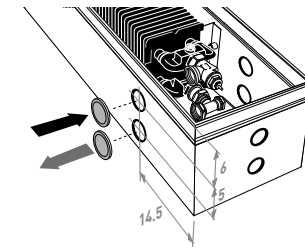


### Connection dimensions

Height 09 and 11



Height 14 and 19



## CONNECTION SETS

### Height 09 and 11

With thermostatic head in the duct



### Height 14 and 19

With thermostatic head in the duct



With remote control



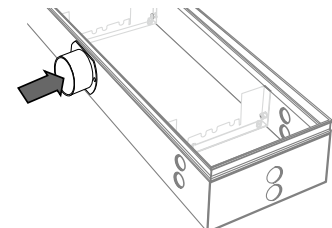
With remote control



## AIR REFRESHMENT

### Mounted spigot connector for air supply channel

Not available with height 009 -011



CODE		€
/V1	1 spigot connection ø 80 mm	140
/V2	2 spigot connections ø 80 mm	209

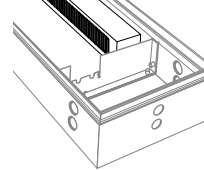
Add /V1 or /V2 to the Mini Canal code.

Example: MICL. 014 110 14 /XXX /V1

### Other systems

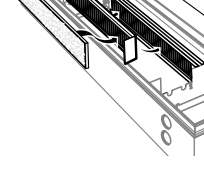
Air refreshment system 2

internal air supply collector



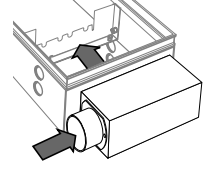
Air refreshment system 3

exterior air supply collector



Air refreshment system 4

air supply collector at headpiece



set 271 CODE 2-PIPE €

COMC.JH2.JB.4... 87

COMC.JH2.RD.4... 171

fill in sleeve coupling code

Precision metal tube 14/1 114  
Precision metal tube 15/1 115  
Precision metal tube 16/1 116  
RPE/ALU tube 16/2 616

set 272 CODE 2-PIPE €

COMC.JV2.JB.4... 82

COMC.JV2.RD.4... 165

fill in sleeve coupling code

Precision metal tube 14/1 114  
Precision metal tube 15/1 115  
Precision metal tube 16/1 116  
RPE/ALU tube 16/2 616

### Other thermostatic heads and sleeve couplings

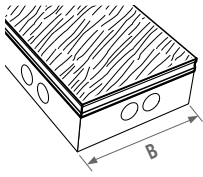
see chapter "Connection sets and valves Low-H2O" for all connection options and technical information.

For more information see:  
[www.jaga.com](http://www.jaga.com)



# OPTIONS - MINI CANAL

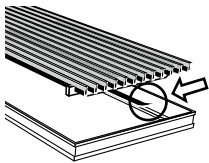
## COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

ORDERING CODE		code		length		width
L	B	14	18	26	34	42
110	24	25	26	30	32	
130	24	25	28	32	34	
150	25	26	30	34	37	
170	25	27	31	36	39	
190	26	28	32	37	41	
210	27	30	34	40	43	
230	27	31	36	41	45	
250	28	32	37	43	47	
270	30	34	39	45	50	
290	30	34	40	46	52	
310	31	35	41	48	55	
330	32	36	42	51	58	
370	34	39	45	55	64	
410	35	41	47	59	68	
450	37	42	51	64	73	
490	39	44	54	67	77	

## CONTACT STRIP



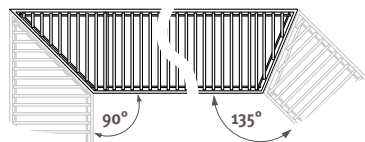
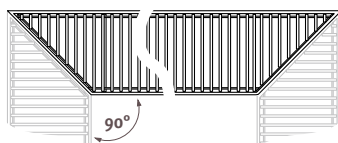
For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of

rolls required according to the circumference of the frame:  $(B + L) \times 2$ .

CODE	€
7690.02 Roll 6 metre	31

## CORNERS 135° OR 90°

For wooden and aluminium grilles.

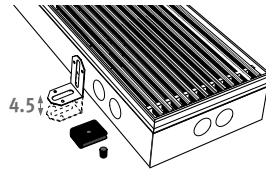


To order corner elements, please contact Jaga at: [export@jaga.be](mailto:export@jaga.be). Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

## DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

## HEIGHT CONTROL

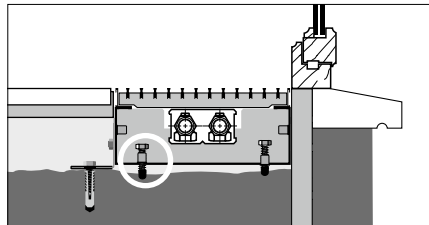


Simple height control for uneven subfloors. Provided with acoustic decoupling.

CODE	height control	height	€/set
7690.01	height control	0 - 4.5 cm	9,60
7690.04	height control	4.5 - 10 cm	19

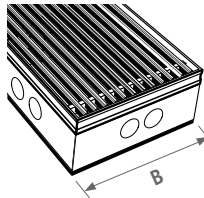
Recommended numbers for length:

1 set =	length	sets
	110 cm	2 sets
	130 > 190 cm	3 sets
	210 cm	5 sets
	230 > 310 cm	5 sets
	330 > 370 cm	7 sets
	410 cm	8 sets
	450 > 490 cm	10 sets



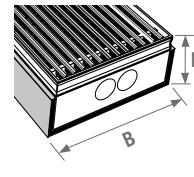
The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

## BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

## 3-SIDED INSULATION



In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

ORDERING CODE		code		height		length		width
H	L	B 014	018	026	034	042		
009	110	43	43	44	44	45		
	130	45	45	46	46	47		
	150	46	47	47	48	50		
	170	48	48	50	51	52		
	190	51	51	52	54	55		
	210	52	54	55	57	58		
	230	55	55	58	59	60		
	250	58	58	60	62	65		
	270	59	60	62	65	67		
	290	62	62	65	67	71		
	310	65	65	67	71	73		
	330	66	67	71	73	75		
	370	72	72	75	76	80		
	410	75	76	79	81	85		
	450	79	80	83	86	90		
	490	82	85	87	91	94		
011	110	43	44	44	45	45		
	130	45	45	46	47	47		
	150	47	47	48	50	51		
	170	48	50	51	52	54		
	190	51	52	54	55	57		
	210	54	54	55	58	59		
	230	55	57	58	60	62		
	250	58	59	60	64	65		
	270	60	62	64	66	67		
	290	62	65	66	68	71		
	310	65	66	68	72	73		
	330	67	68	72	74	75		
	370	72	74	76	79	80		
	410	76	77	80	81	86		
	450	80	82	85	88	91		
	490	85	86	90	93	95		
014	110	44	---	45	45	46		
	130	46	---	46	47	48		
	150	47	---	50	50	51		
	170	50	---	52	52	54		
	190	52	---	54	55	58		
	210	55	---	57	59	60		
	230	58	---	59	62	64		
	250	59	---	62	65	66		
	270	62	---	65	67	68		
	290	65	---	67	71	72		
	310	67	---	71	73	75		
	330	68	---	73	75	77		
	370	74	---	77	80	82		
	410	79	---	82	85	88		
	450	82	---	87	90	93		
	490	87	---	92	95	97		
019	110	---	---	45	46	46		
	130	---	---	47	48	50		
	150	---	---	51	51	52		
	170	---	---	54	55	55		
	190	---	---	57	58	59		
	210	---	---	59	60	62		
	230	---	---	62	64	65		
	250	---	---	65	66	68		
	270	---	---	67	71	72		
	290	---	---	71	73	75		
	310	---	---	73	75	77		
	330	---	---	75	77	80		
	370	---	---	80	83	86		
	410	---	---	86	88	91		
	450	---	---	91	93	96		
	490	---	---	95	98	104		

# MINI CANAL - H009

MICL.009 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RBA RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 14</b>																
110	152	75	582	582	582	602	582	582	582	582	602	499	499	1019	582	602
130	190	94	670	670	670	693	670	670	670	670	693	571	571	1188	670	693
150	229	113	738	738	738	766	738	738	738	738	766	624	624	1338	738	766
170	267	132	846	846	846	877	846	846	846	846	877	717	717	1525	846	877
190	304	150	914	914	914	951	914	914	914	914	951	770	770	1675	914	951
210	342	169	1000	1000	1000	1040	1000	1000	1000	1000	1040	841	841	1841	1000	1040
230	381	188	1089	1089	1089	1133	1089	1089	1089	1089	1133	915	915	2009	1089	1133
250	419	207	1162	1162	1162	1210	1162	1162	1162	1162	1210	972	972	2161	1162	1210
270	457	226	1232	1232	1232	1283	1232	1232	1232	1232	1283	1027	1027	2314	1232	1283
290	495	245	1331	1331	1331	1387	1331	1331	1331	1331	1387	1109	1109	2492	1331	1387
310	533	264	1403	1403	1403	1465	1403	1403	1403	1403	1465	1170	1170	2647	1403	1465
330	571	282	1478	1478	1478	1544	1478	1478	1478	1478	1544	1228	1228	2802	1478	1544
370	647	320	1642	1642	1642	1714	1642	1642	1642	1642	1714	1361	1361	3127	1642	1714
410	723	358	1847	1847	1847	1927	1847	1847	1847	1847	1927	1535	1535	3491	1847	1927
450	800	396	2007	2007	2007	2095	2007	2007	2007	2007	2095	1666	1666	3815	2007	2095
490	875	433	2152	2152	2152	2247	2152	2152	2152	2152	2247	1779	1779	4120	2152	2247
<b>L B 18</b>																
110	180	89	600	600	600	631	600	600	600	600	631	530	530	1097	600	631
130	225	111	692	692	692	728	692	692	692	692	728	607	607	1278	692	728
150	271	134	763	763	763	806	763	763	763	763	806	664	664	1441	763	806
170	316	156	876	876	876	924	876	876	876	876	924	765	765	1646	876	924
190	360	178	950	950	950	1005	950	950	950	950	1005	825	825	1810	950	1005
210	406	201	1040	1040	1040	1099	1040	1040	1040	1040	1099	901	901	1992	1040	1099
230	451	223	1137	1137	1137	1203	1137	1137	1137	1137	1203	985	985	2181	1137	1203
250	496	245	1213	1213	1213	1283	1213	1213	1213	1213	1283	1050	1050	2347	1213	1283
270	541	268	1289	1289	1289	1364	1289	1289	1289	1289	1364	1110	1110	2516	1289	1364
290	586	290	1389	1389	1389	1469	1389	1389	1389	1389	1469	1196	1196	2705	1389	1469
310	631	312	1468	1468	1468	1554	1468	1468	1468	1468	1554	1263	1263	2875	1468	1554
330	676	334	1548	1548	1548	1640	1548	1548	1548	1548	1640	1330	1330	3045	1548	1640
370	767	379	1722	1722	1722	1824	1722	1722	1722	1722	1824	1476	1476	3402	1722	1824
410	856	423	1936	1936	1936	2050	1936	1936	1936	1936	2050	1665	1665	3799	1936	2050
450	947	468	2107	2107	2107	2233	2107	2107	2107	2107	2233	1807	1807	4154	2107	2233
490	1037	513	2260	2260	2260	2398	2260	2260	2260	2260	2398	1936	1936	4489	2260	2398
<b>L B 26</b>																
110	237	117	659	659	659	703	659	659	659	659	703	609	609	1228	659	703
130	296	146	759	759	759	811	759	759	759	759	811	699	699	1432	759	811
150	356	176	839	839	839	899	839	839	839	839	899	769	769	1616	839	899
170	415	205	962	962	962	1029	962	962	962	962	1029	882	882	1844	962	1029
190	474	234	1043	1043	1043	1119	1043	1043	1043	1043	1119	956	956	2029	1043	1119
210	534	264	1141	1141	1141	1226	1141	1141	1141	1141	1226	1045	1045	2231	1141	1226
230	593	293	1245	1245	1245	1341	1245	1245	1245	1245	1341	1140	1140	2442	1245	1341
250	652	322	1330	1330	1330	1431	1330	1330	1330	1330	1431	1214	1214	2628	1330	1431
270	711	352	1413	1413	1413	1523	1413	1413	1413	1413	1523	1288	1288	2817	1413	1523
290	771	381	1524	1524	1524	1641	1524	1524	1524	1524	1641	1390	1390	3032	1524	1641
310	830	411	1609	1609	1609	1734	1609	1609	1609	1609	1734	1467	1467	3223	1609	1734
330	889	440	1695	1695	1695	1830	1695	1695	1695	1695	1830	1545	1545	3415	1695	1830
370	1008	499	1886	1886	1886	2037	1886	1886	1886	1886	2037	1714	1714	3813	1886	2037
410	1126	557	2118	2118	2118	2283	2118	2118	2118	2118	2283	1927	1927	4252	2118	2283
450	1245	616	2304	2304	2304	2486	2304	2304	2304	2304	2486	2093	2093	4648	2304	2486
490	1363	674	2473	2473	2473	2671	2473	2473	2473	2473	2671	2245	2245	5026	2473	2671

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383.

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)

# H009 - MINI CANAL

MICL.009 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	307	152	798	798	798	814	798	798	798	798	814	712	712	1478	798	814
130	385	190	921	921	921	941	921	921	921	921	941	817	817	1727	921	941
150	462	229	1026	1026	1026	1051	1026	1026	1026	1026	1051	907	907	1957	1026	1051
170	538	266	1182	1182	1182	1209	1182	1182	1182	1182	1209	1048	1048	2237	1182	1209
190	615	304	1289	1289	1289	1318	1289	1289	1289	1289	1318	1138	1138	2468	1289	1318
210	692	342	1435	1435	1435	1469	1435	1435	1435	1435	1469	1270	1270	2741	1435	1469
230	769	380	1573	1573	1573	1610	1573	1573	1573	1573	1610	1392	1392	3006	1573	1610
250	846	418	1685	1685	1685	1726	1685	1685	1685	1685	1726	1486	1486	3241	1685	1726
270	923	457	1798	1798	1798	1840	1798	1798	1798	1798	1840	1583	1583	3478	1798	1840
290	1000	495	1931	1931	1931	1978	1931	1931	1931	1931	1978	1702	1702	3738	1931	1978
310	1076	532	2049	2049	2049	2098	2049	2049	2049	2049	2098	1803	1803	3980	2049	2098
330	1154	571	2161	2161	2161	2215	2161	2161	2161	2161	2215	1898	1898	4217	2161	2215
370	1307	646	2404	2404	2404	2464	2404	2404	2404	2404	2464	2111	2111	4711	2404	2464
410	1461	723	2691	2691	2691	2755	2691	2691	2691	2691	2755	2365	2365	5247	2691	2755
450	1615	799	2933	2933	2933	3002	2933	2933	2933	2933	3002	2574	2574	5736	2933	3002
490	1769	875	3153	3153	3153	3234	3153	3153	3153	3153	3234	2765	2765	6210	3153	3234

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	445	220	880	880	880	928	880	880	880	880	928	814	814	1844	880	928
130	555	275	1015	1015	1015	1074	1015	1015	1015	1015	1074	939	939	2158	1015	1074
150	666	329	1159	1159	1159	1225	1159	1159	1159	1159	1225	1071	1071	2478	1159	1225
170	778	385	1338	1338	1338	1412	1338	1338	1338	1338	1412	1236	1236	2831	1338	1412
190	888	439	1459	1459	1459	1543	1459	1459	1459	1459	1543	1347	1347	3132	1459	1543
210	1000	495	1596	1596	1596	1688	1596	1596	1596	1596	1688	1473	1473	3448	1596	1688
230	1111	550	1760	1760	1760	1863	1760	1760	1760	1760	1863	1626	1626	3789	1760	1863
250	1221	604	1887	1887	1887	1998	1887	1887	1887	1887	1998	1742	1742	4092	1887	1998
270	1333	659	2013	2013	2013	2131	2013	2013	2013	2013	2131	1852	1852	4393	2013	2131
290	1444	714	2165	2165	2165	2293	2165	2165	2165	2165	2293	1996	1996	4725	2165	2293
310	1555	769	2305	2305	2305	2442	2305	2305	2305	2305	2442	2122	2122	5041	2305	2442
330	1666	824	2449	2449	2449	2596	2449	2449	2449	2449	2596	2257	2257	5364	2449	2596
370	1888	934	2732	2732	2732	2894	2732	2732	2732	2732	2894	2512	2512	5998	2732	2894
410	2111	1044	3055	3055	3055	3235	3055	3055	3055	3055	3235	2813	2813	6677	3055	3235
450	2332	1153	3330	3330	3330	3529	3330	3330	3330	3330	3529	3064	3064	7308	3330	3529
490	2555	1264	3591	3591	3591	3806	3591	3591	3591	3591	3806	3302	3302	7923	3591	3806

Output at 20°C room temperature. Prices in €, VAT excluded.

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured  
**DBL** black  
**DDB** dark brown  
**DBR** brass coloured  
**DNC/XXX** (colour) lacquered

### Designo roll-up wooden grilles



**DMN** merbau  
**DMV** varnished  
**DON** oak  
**DOV** varnished  
**DBN** beech  
**DBV** varnished

### Rigid aluminium grilles



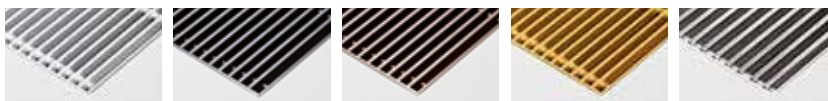
**SNA** natural coloured  
**SBL** black  
**SDB** dark brown  
**SBR** brass coloured  
**SNC/XXX** (colour) lacquered

### Roll-up wooden grilles



**RMN** merbau  
**RMV** varnished  
**RON** oak  
**ROV** varnished  
**RBN** beech  
**RBV** varnished

### Roll-up aluminium grilles



**RNA** natural coloured  
**RBL** black  
**RDB** dark brown  
**RBR** brass coloured  
**RSS** stainless steel

# MINI CANAL - H011

MICL.011 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 14</b>																
110	175	87	587	587	587	609	587	587	587	587	609	503	503	1026	587	609
130	218	108	676	676	676	700	676	676	676	676	700	578	578	1193	676	700
150	262	130	745	745	745	773	745	745	745	745	773	630	630	1344	745	773
170	306	151	854	854	854	888	854	854	854	854	888	725	725	1531	854	888
190	349	173	924	924	924	960	924	924	924	924	960	780	780	1684	924	960
210	393	194	1011	1011	1011	1052	1011	1011	1011	1011	1052	852	852	1850	1011	1052
230	437	216	1100	1100	1100	1145	1100	1100	1100	1100	1145	927	927	2021	1100	1145
250	480	237	1174	1174	1174	1222	1174	1174	1174	1174	1222	984	984	2175	1174	1222
270	524	259	1245	1245	1245	1298	1245	1245	1245	1245	1298	1040	1040	2327	1245	1298
290	568	281	1345	1345	1345	1400	1345	1345	1345	1345	1400	1126	1126	2507	1345	1400
310	612	303	1420	1420	1420	1480	1420	1420	1420	1420	1480	1184	1184	2661	1420	1480
330	655	324	1497	1497	1497	1559	1497	1497	1497	1497	1559	1244	1244	2818	1497	1559
370	743	368	1662	1662	1662	1732	1662	1662	1662	1662	1732	1382	1382	3147	1662	1732
410	830	411	1868	1868	1868	1947	1868	1868	1868	1868	1947	1556	1556	3512	1868	1947
450	917	454	2030	2030	2030	2118	2030	2030	2030	2030	2118	1687	1687	3836	2030	2118
490	1005	497	2179	2179	2179	2272	2179	2179	2179	2179	2272	1804	1804	4143	2179	2272
<b>L B 18</b>																
110	207	102	605	605	605	636	605	605	605	605	636	534	534	1102	605	636
130	259	128	698	698	698	734	698	698	698	698	734	612	612	1285	698	734
150	310	153	770	770	770	812	770	770	770	770	812	671	671	1448	770	812
170	363	180	884	884	884	931	884	884	884	884	931	770	770	1652	884	931
190	414	205	958	958	958	1011	958	958	958	958	1011	832	832	1819	958	1011
210	466	230	1050	1050	1050	1107	1050	1050	1050	1050	1107	911	911	2002	1050	1107
230	518	256	1146	1146	1146	1211	1146	1146	1146	1146	1211	994	994	2189	1146	1211
250	569	281	1223	1223	1223	1295	1223	1223	1223	1223	1295	1058	1058	2358	1223	1295
270	622	308	1301	1301	1301	1376	1301	1301	1301	1301	1376	1122	1122	2525	1301	1376
290	673	333	1400	1400	1400	1482	1400	1400	1400	1400	1482	1210	1210	2718	1400	1482
310	725	359	1480	1480	1480	1566	1480	1480	1480	1480	1566	1274	1274	2890	1480	1566
330	777	384	1560	1560	1560	1653	1560	1560	1560	1560	1653	1344	1344	3060	1560	1653
370	881	436	1734	1734	1734	1840	1734	1734	1734	1734	1840	1489	1489	3418	1734	1840
410	984	487	1952	1952	1952	2067	1952	1952	1952	1952	2067	1682	1682	3817	1952	2067
450	1087	538	2123	2123	2123	2249	2123	2123	2123	2123	2249	1826	1826	4171	2123	2249
490	1191	589	2279	2279	2279	2417	2279	2279	2279	2279	2417	1954	1954	4508	2279	2417
<b>L B 26</b>																
110	279	138	669	669	669	713	669	669	669	669	713	618	618	1236	669	713
130	349	173	768	768	768	822	768	768	768	768	822	708	708	1441	768	822
150	420	208	850	850	850	911	850	850	850	850	911	781	781	1627	850	911
170	489	242	974	974	974	1043	974	974	974	974	1043	896	896	1855	974	1043
190	559	276	1056	1056	1056	1133	1056	1056	1056	1056	1133	969	969	2044	1056	1133
210	629	311	1155	1155	1155	1241	1155	1155	1155	1155	1241	1059	1059	2247	1155	1241
230	699	346	1263	1263	1263	1354	1263	1263	1263	1263	1354	1153	1153	2457	1263	1354
250	769	380	1347	1347	1347	1447	1347	1347	1347	1347	1447	1232	1232	2647	1347	1447
270	839	415	1433	1433	1433	1543	1433	1433	1433	1433	1543	1308	1308	2836	1433	1543
290	909	450	1546	1546	1546	1662	1546	1546	1546	1546	1662	1409	1409	3053	1546	1662
310	978	484	1633	1633	1633	1758	1633	1633	1633	1633	1758	1487	1487	3245	1633	1758
330	1048	518	1722	1722	1722	1854	1722	1722	1722	1722	1854	1568	1568	3439	1722	1854
370	1188	588	1912	1912	1912	2063	1912	1912	1912	1912	2063	1742	1742	3839	1912	2063
410	1328	657	2149	2149	2149	2314	2149	2149	2149	2149	2314	1957	1957	4284	2149	2314
450	1468	726	2336	2336	2336	2519	2336	2336	2336	2336	2519	2126	2126	4679	2336	2519
490	1608	795	2508	2508	2508	2705	2508	2508	2508	2508	2705	2281	2281	5061	2508	2705

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)

# H011 - MINI CANAL

MICL.011 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	363	180	807	807	807	825	807	807	807	807	825	719	719	1485	807	825
130	454	225	931	931	931	951	931	931	931	931	951	829	829	1736	931	951
150	544	269	1038	1038	1038	1060	1038	1038	1038	1038	1060	920	920	1969	1038	1060
170	636	315	1193	1193	1193	1221	1193	1193	1193	1193	1221	1058	1058	2248	1193	1221
190	726	359	1302	1302	1302	1332	1302	1302	1302	1302	1332	1150	1150	2483	1302	1332
210	817	404	1451	1451	1451	1484	1451	1451	1451	1451	1484	1285	1285	2756	1451	1484
230	908	449	1592	1592	1592	1630	1592	1592	1592	1592	1630	1409	1409	3024	1592	1630
250	998	494	1705	1705	1705	1744	1705	1705	1705	1705	1744	1507	1507	3259	1705	1744
270	1090	539	1815	1815	1815	1859	1815	1815	1815	1815	1859	1601	1601	3497	1815	1859
290	1180	584	1953	1953	1953	2000	1953	1953	1953	1953	2000	1724	1724	3759	1953	2000
310	1271	629	2072	2072	2072	2121	2072	2072	2072	2072	2121	1826	1826	4004	2072	2121
330	1362	674	2184	2184	2184	2238	2184	2184	2184	2184	2238	1924	1924	4243	2184	2238
370	1544	764	2432	2432	2432	2492	2432	2432	2432	2432	2492	2139	2139	4739	2432	2492
410	1725	853	2721	2721	2721	2786	2721	2721	2721	2721	2786	2397	2397	5277	2721	2786
450	1906	943	2963	2963	2963	3036	2963	2963	2963	2963	3036	2608	2608	5772	2963	3036
490	2088	1033	3191	3191	3191	3270	3191	3191	3191	3191	3270	2802	2802	6247	3191	3270

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	510	252	889	889	889	936	889	889	889	889	936	825	825	1851	889	936
130	638	316	1026	1026	1026	1085	1026	1026	1026	1026	1085	950	950	2167	1026	1085
150	766	379	1171	1171	1171	1235	1171	1171	1171	1171	1235	1081	1081	2489	1171	1235
170	893	442	1349	1349	1349	1424	1349	1349	1349	1349	1424	1251	1251	2846	1349	1424
190	1021	505	1472	1472	1472	1556	1472	1472	1472	1472	1556	1361	1361	3147	1472	1556
210	1148	568	1612	1612	1612	1707	1612	1612	1612	1612	1707	1488	1488	3463	1612	1707
230	1276	631	1777	1777	1777	1880	1777	1777	1777	1777	1880	1642	1642	3805	1777	1880
250	1404	694	1907	1907	1907	2017	1907	1907	1907	1907	2017	1759	1759	4112	1907	2017
270	1531	757	2031	2031	2031	2151	2031	2031	2031	2031	2151	1873	1873	4414	2031	2151
290	1659	821	2186	2186	2186	2315	2186	2186	2186	2186	2315	2017	2017	4747	2186	2315
310	1786	883	2327	2327	2327	2465	2327	2327	2327	2327	2465	2144	2144	5064	2327	2465
330	1914	947	2476	2476	2476	2620	2476	2476	2476	2476	2620	2281	2281	5390	2476	2620
370	2169	1073	2757	2757	2757	2920	2757	2757	2757	2757	2920	2539	2539	6026	2757	2920
410	2424	1199	3083	3083	3083	3266	3083	3083	3083	3083	3266	2844	2844	6706	3083	3266
450	2680	1326	3365	3365	3365	3564	3365	3365	3365	3365	3564	3100	3100	7342	3365	3564
490	2935	1452	3627	3627	3627	3843	3627	3627	3627	3627	3843	3338	3338	7959	3627	3843

Output at 20°C room temperature. Prices in €, VAT excluded.

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX (colour)** lacquered

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### Rigid aluminium grilles



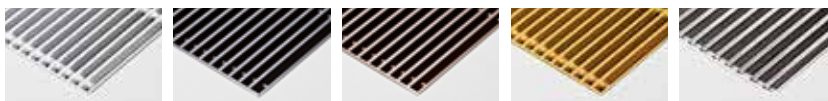
**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX (colour)** lacquered

### roll-up wooden grilles



**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

# MINI CANAL - H014

MICL.014 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 14</b>																
110	198	98	622	622	622	643	622	622	622	622	643	538	538	1059	622	643
130	248	123	714	714	714	739	714	714	714	714	739	615	615	1232	714	739
150	298	147	788	788	788	815	788	788	788	788	815	673	673	1386	788	815
170	347	172	901	901	901	935	901	901	901	901	935	773	773	1583	901	935
190	397	196	977	977	977	1014	977	977	977	977	1014	834	834	1736	977	1014
210	446	221	1069	1069	1069	1109	1069	1069	1069	1069	1109	911	911	1909	1069	1109
230	496	245	1167	1167	1167	1211	1167	1167	1167	1167	1211	992	992	2088	1167	1211
250	546	270	1243	1243	1243	1293	1243	1243	1243	1243	1293	1054	1054	2245	1243	1293
270	595	294	1319	1319	1319	1373	1319	1319	1319	1319	1373	1115	1115	2402	1319	1373
290	645	319	1424	1424	1424	1481	1424	1424	1424	1424	1481	1205	1205	2585	1424	1481
310	694	343	1504	1504	1504	1564	1504	1504	1504	1504	1564	1268	1268	2746	1504	1564
330	744	368	1586	1586	1586	1648	1586	1586	1586	1586	1648	1334	1334	2906	1586	1648
370	843	417	1760	1760	1760	1830	1760	1760	1760	1760	1830	1478	1478	3242	1760	1830
410	942	466	1977	1977	1977	2058	1977	1977	1977	1977	2058	1666	1666	3623	1977	2058
450	1042	515	2150	2150	2150	2237	2150	2150	2150	2150	2237	1806	1806	3956	2150	2237
490	1141	564	2305	2305	2305	2400	2305	2305	2305	2305	2400	1931	1931	4270	2305	2400
<b>L B 26</b>																
110	345	171	721	721	721	766	721	721	721	721	766	671	671	1290	721	766
130	431	213	828	828	828	881	828	828	828	828	881	768	768	1502	828	881
150	516	255	916	916	916	976	916	916	916	916	976	849	849	1693	916	976
170	603	298	1053	1053	1053	1120	1053	1053	1053	1053	1120	974	974	1933	1053	1120
190	689	341	1143	1143	1143	1219	1143	1143	1143	1143	1219	1055	1055	2129	1143	1219
210	775	383	1251	1251	1251	1334	1251	1251	1251	1251	1334	1151	1151	2341	1251	1334
230	861	426	1367	1367	1367	1463	1367	1367	1367	1367	1463	1263	1263	2564	1367	1463
250	947	468	1464	1464	1464	1564	1464	1464	1464	1464	1564	1347	1347	2763	1464	1564
270	1034	511	1555	1555	1555	1665	1555	1555	1555	1555	1665	1431	1431	2959	1555	1665
290	1119	553	1676	1676	1676	1793	1676	1676	1676	1676	1793	1542	1542	3184	1676	1793
310	1206	597	1768	1768	1768	1892	1768	1768	1768	1768	1892	1624	1624	3379	1768	1892
330	1292	639	1860	1860	1860	1993	1860	1860	1860	1860	1993	1708	1708	3576	1860	1993
370	1464	724	2064	2064	2064	2216	2064	2064	2064	2064	2216	1892	1892	3992	2064	2216
410	1636	809	2314	2314	2314	2479	2314	2314	2314	2314	2479	2122	2122	4449	2314	2479
450	1808	894	2516	2516	2516	2696	2516	2516	2516	2516	2696	2306	2306	4859	2516	2696
490	1980	979	2700	2700	2700	2899	2700	2700	2700	2700	2899	2473	2473	5254	2700	2899

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383.

See Mini Canal Hybrid for up to 300% more output

Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)

# H014 - MINI CANAL

MICL.014 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	470	232	874	874	874	892	874	874	874	874	892	788	788	1554	874	892
130	587	290	1010	1010	1010	1029	1010	1010	1010	1010	1029	907	907	1814	1010	1029
150	705	349	1126	1126	1126	1148	1126	1126	1126	1126	1148	1007	1007	2054	1126	1148
170	822	407	1298	1298	1298	1325	1298	1298	1298	1298	1325	1164	1164	2355	1298	1325
190	940	465	1417	1417	1417	1446	1417	1417	1417	1417	1446	1266	1266	2598	1417	1446
210	1057	523	1585	1585	1585	1617	1585	1585	1585	1585	1617	1418	1418	2891	1585	1617
230	1175	581	1745	1745	1745	1782	1745	1745	1745	1745	1782	1563	1563	3176	1745	1782
250	1292	639	1868	1868	1868	1908	1868	1868	1868	1868	1908	1669	1669	3424	1868	1908
270	1409	697	1991	1991	1991	2034	1991	1991	1991	1991	2034	1775	1775	3671	1991	2034
290	1527	755	2139	2139	2139	2185	2139	2139	2139	2139	2185	1909	1909	3947	2139	2185
310	1644	813	2261	2261	2261	2309	2261	2261	2261	2261	2309	2014	2014	4193	2261	2309
330	1762	872	2386	2386	2386	2441	2386	2386	2386	2386	2441	2125	2125	4445	2386	2441
370	1997	988	2653	2653	2653	2710	2653	2653	2653	2653	2710	2358	2358	4958	2653	2710
410	2232	1104	2959	2959	2959	3025	2959	2959	2959	2959	3025	2633	2633	5515	2959	3025
450	2467	1220	3220	3220	3220	3293	3220	3220	3220	3220	3293	2862	2862	6026	3220	3293
490	2702	1336	3465	3465	3465	3544	3465	3465	3465	3465	3544	3075	3075	6521	3465	3544

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	633	313	972	972	972	1019	972	972	972	972	1019	907	907	1936	972	1019
130	792	392	1124	1124	1124	1180	1124	1124	1124	1124	1180	1049	1049	2265	1124	1180
150	950	470	1286	1286	1286	1351	1286	1286	1286	1286	1351	1196	1196	2605	1286	1351
170	1108	548	1487	1487	1487	1563	1487	1487	1487	1487	1563	1389	1389	2984	1487	1563
190	1267	627	1625	1625	1625	1709	1625	1625	1625	1625	1709	1512	1512	3298	1625	1709
210	1425	705	1779	1779	1779	1870	1779	1779	1779	1779	1870	1654	1654	3628	1779	1870
230	1583	783	1970	1970	1970	2070	1970	1970	1970	1970	2070	1835	1835	3998	1970	2070
250	1742	862	2111	2111	2111	2221	2111	2111	2111	2111	2221	1965	1965	4319	2111	2221
270	1900	940	2251	2251	2251	2371	2251	2251	2251	2251	2371	2093	2093	4633	2251	2371
290	2058	1018	2420	2420	2420	2548	2420	2420	2420	2420	2548	2249	2249	4981	2420	2548
310	2217	1097	2562	2562	2562	2697	2562	2562	2562	2562	2697	2379	2379	5299	2562	2697
330	2375	1175	2704	2704	2704	2853	2704	2704	2704	2704	2853	2512	2512	5619	2704	2853
370	2692	1332	3009	3009	3009	3171	3009	3009	3009	3009	3171	2791	2791	6277	3009	3171
410	3008	1488	3354	3354	3354	3534	3354	3354	3354	3354	3534	3114	3114	6979	3354	3534
450	3325	1645	3654	3654	3654	3851	3654	3654	3654	3654	3851	3389	3389	7631	3654	3851
490	3642	1801	3934	3934	3934	4153	3934	3934	3934	3934	4153	3648	3648	8268	3934	4153

Output at 20°C room temperature. Prices in €, VAT excluded.

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX (colour)** lacquered

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### Rigid aluminium grilles



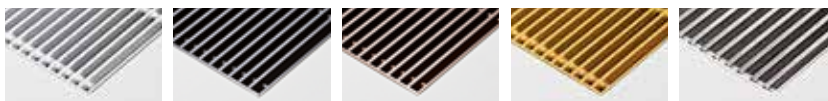
**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX (colour)** lacquered

### Roll-up wooden grilles



**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

# MINI CANAL - H019

MICL.019 LLL BB/XXX

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 26</b>																
110	392	194	743	743	743	788	743	743	743	743	788	692	692	1311	743	788
130	489	242	855	855	855	907	855	855	855	855	907	794	794	1527	855	907
150	587	290	946	946	946	1008	946	946	946	946	1008	877	877	1725	946	1008
170	685	339	1088	1088	1088	1155	1088	1088	1088	1088	1155	1010	1010	1970	1088	1155
190	782	387	1182	1182	1182	1258	1182	1182	1182	1182	1258	1095	1095	2167	1182	1258
210	881	436	1295	1295	1295	1378	1295	1295	1295	1295	1378	1195	1195	2384	1295	1378
230	978	484	1418	1418	1418	1510	1418	1418	1418	1418	1510	1310	1310	2613	1418	1510
250	1076	532	1514	1514	1514	1616	1514	1514	1514	1514	1616	1397	1397	2814	1514	1616
270	1174	581	1610	1610	1610	1722	1610	1610	1610	1610	1722	1485	1485	3016	1610	1722
290	1271	629	1734	1734	1734	1852	1734	1734	1734	1734	1852	1601	1601	3242	1734	1852
310	1370	678	1833	1833	1833	1959	1833	1833	1833	1833	1959	1687	1687	3445	1833	1959
330	1467	726	1928	1928	1928	2062	1928	1928	1928	1928	2062	1774	1774	3647	1928	2062
370	1663	823	2142	2142	2142	2293	2142	2142	2142	2142	2293	1971	1971	4070	2142	2293
410	1859	920	2400	2400	2400	2566	2400	2400	2400	2400	2566	2208	2208	4535	2400	2566
450	2054	1016	2609	2609	2609	2792	2609	2609	2609	2609	2792	2401	2401	4955	2609	2792
490	2250	1113	2804	2804	2804	3001	2804	2804	2804	2804	3001	2577	2577	5356	2804	3001

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 34</b>																
110	530	262	896	896	896	914	896	896	896	896	914	809	809	1575	896	914
130	662	327	1036	1036	1036	1056	1036	1036	1036	1036	1056	934	934	1843	1036	1056
150	795	393	1153	1153	1153	1178	1153	1153	1153	1153	1178	1036	1036	2087	1153	1178
170	927	459	1333	1333	1333	1358	1333	1333	1333	1333	1358	1197	1197	2388	1333	1358
190	1059	524	1456	1456	1456	1485	1456	1456	1456	1456	1485	1305	1305	2638	1456	1485
210	1192	590	1627	1627	1627	1662	1627	1627	1627	1627	1662	1463	1463	2935	1627	1662
230	1324	655	1793	1793	1793	1829	1793	1793	1793	1793	1829	1610	1610	3225	1793	1829
250	1457	721	1922	1922	1922	1960	1922	1922	1922	1922	1960	1723	1723	3476	1922	1960
270	1590	786	2047	2047	2047	2090	2047	2047	2047	2047	2090	1834	1834	3729	2047	2090
290	1721	851	2201	2201	2201	2247	2201	2201	2201	2201	2247	1971	1971	4007	2201	2247
310	1854	917	2326	2326	2326	2375	2326	2326	2326	2326	2375	2080	2080	4255	2326	2375
330	1987	983	2456	2456	2456	2509	2456	2456	2456	2456	2509	2196	2196	4512	2456	2509
370	2252	1114	2732	2732	2732	2789	2732	2732	2732	2732	2789	2439	2439	5038	2732	2789
410	2516	1244	3045	3045	3045	3113	3045	3045	3045	3045	3113	2721	2721	5603	3045	3113
450	2781	1376	3317	3317	3317	3388	3317	3317	3317	3317	3388	2959	2959	6121	3317	3388
490	3046	1507	3570	3570	3570	3647	3570	3570	3570	3570	3647	3178	3178	6625	3570	3647

	Watts 75/65	Watts 55/45	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
<b>L B 42</b>																
110	728	360	994	994	994	1043	994	994	994	994	1043	930	930	1959	994	1043
130	909	450	1150	1150	1150	1209	1150	1150	1150	1150	1209	1075	1075	2291	1150	1209
150	1091	540	1317	1317	1317	1385	1317	1317	1317	1317	1385	1229	1229	2638	1317	1385
170	1273	630	1524	1524	1524	1599	1524	1524	1524	1524	1599	1424	1424	3018	1524	1599
190	1455	720	1665	1665	1665	1747	1665	1665	1665	1665	1747	1553	1553	3337	1665	1747
210	1637	810	1823	1823	1823	1914	1823	1823	1823	1823	1914	1700	1700	3674	1823	1914
230	1819	900	2019	2019	2019	2120	2019	2019	2019	2019	2120	1884	1884	4047	2019	2120
250	2001	990	2164	2164	2164	2275	2164	2164	2164	2164	2275	2018	2018	4371	2164	2275
270	2182	1079	2309	2309	2309	2428	2309	2309	2309	2309	2428	2151	2151	4692	2309	2428
290	2365	1170	2485	2485	2485	2612	2485	2485	2485	2485	2612	2314	2314	5043	2485	2612
310	2547	1260	2627	2627	2627	2765	2627	2627	2627	2627	2765	2446	2446	5364	2627	2765
330	2728	1349	2777	2777	2777	2920	2777	2777	2777	2777	2920	2582	2582	5690	2777	2920
370	3092	1529	3088	3088	3088	3252	3088	3088	3088	3088	3252	2871	2871	6356	3088	3252
410	3456	1709	3442	3442	3442	3624	3442	3442	3442	3442	3624	3200	3200	7065	3442	3624
450	3820	1889	3751	3751	3751	3950	3751	3751	3751	3751	3950	3486	3486	7729	3751	3950
490	4184	2070	4042	4042	4042	4259	4042	4042	4042	4042	4259	3754	3754	8375	4042	4259

Output at 20°C room temperature. Prices in €, VAT excluded.

Output correction factor: see pages 383

See Mini Canal Hybrid for up to 300% more output

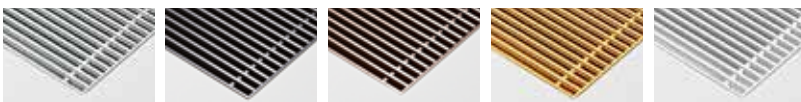
Mini Canal is also available in a range of other lengths, from 70 cm: [www.jaga.com](http://www.jaga.com)





## GRILLE CODES

### Designo rigid aluminium grilles



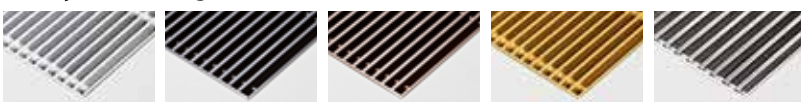
**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### roll-up wooden grilles



**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

# jaga

CLIMATE DESIGNERS

## MICRO CANAL

Maximum warmth, minimum dimensions

The latest Jaga trench heating solution is only 6 cm high and 13 cm wide. With small, but powerful dynamic Low-H<sub>2</sub>O heat exchangers and super-quiet fans that are no wider than a thermostatic radiator valve, it creates immense power. Micro Canal combines minimalist aesthetics and architectural freedom with a power that breaks all temperature records! Micro Canal integrates harmoniously with any interior. This provides every architect, designer or engineer the greatest possible design freedom on any project without making any compromises for the heating system.

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.





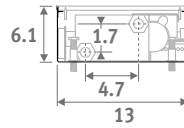
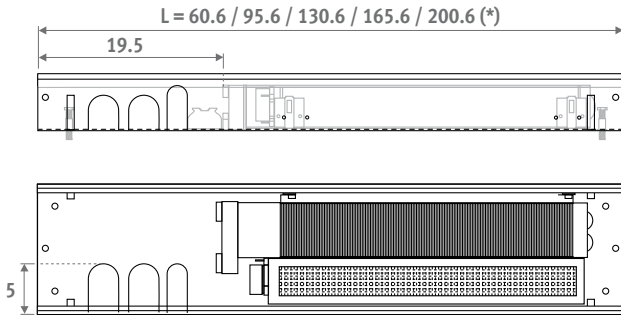
MICRO CANAL

# MICRO CANAL



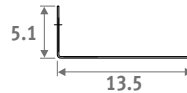
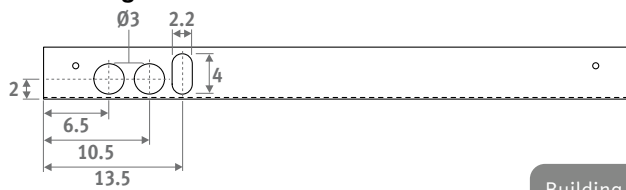
## DIMENSIONS (in cm)

### Inner casing



(\*) In case of through-mounting, do not install the intermediate tops. Reduce length by 3 mm for each top.

### Outer casing



Building in-opening: +0.5 cm

## ORDERING CODE

code	height	length	width	grille
MIRF .	006	060	14	./SSS
<i>fill in grille code</i>				

## STANDARD DELIVERY

- stainless steel grille
- outer casing with anchorage elements
- polyethylene-protective mounting block(s) and three connection holes on the left hand side
- pre-assembled internal duct with stainless steel grille support
- tangential activator(s) 24 VDC and integrated stainless steel filter
- dynamic heat exchanger with flexible 1/2" stainless steel connectors, length 15 cm
- height adjustment with fine adjustment for alignment with the finished floor.

With energy efficient EC motor

## HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Micro Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the Micro Canal.
- The heat exchanger must always be kept accessible for maintenance purposes

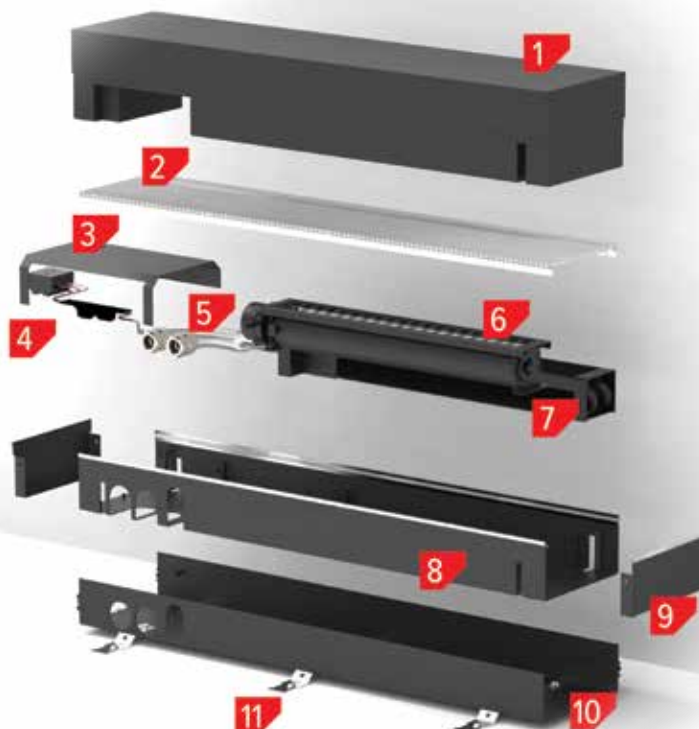
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- 24 VDC clamp connector for electrical connection on the left, to be connected to an external power supply
- speedcontrol activator(s) 0-10 V

## COMPOSITION

1. Protective mounting block (s) in polyethylene
2. Stainless steel grille, natural coloured or lacquered
3. Cover plate
4. Electrical connection (24VDC/0-10V)
5. Stainless steel flexible connections 1/2", 15 cm long
6. Thermal Activator(s) (tangential mini activator)
7. Heat exchanger
8. Inner casing with stainless steel grille support
9. End cap
10. Outer casing
11. Default supplied anchoring hooks



# MICRO CANAL

DIMENSIONS			CONTROL VOLTAGE	HEATING				SOUND PRESSURE*	POWER CONSUMPTION	PRICE		ORDERING CODE
H	L	B		Watt 75/65	Watt 55/45	Watt 45/35	Watt 35/30	dB(A)	Watt	€ /SSS	€ /SSC/XXX	
006	060	14	2	60	36	23	15	13.8	0.51	822	903	MIRF.006 060 14 /XXX
			4	157	94	62	39	14.9	0.75			
			6	316	188	124	78	18.8	1.17			
			8	421	251	165	104	31.6	1.79			
			10	495	295	194	122	39.2	2.67			
095	14	14	2	129	77	51	32	14.3	0.52	1202	1324	MIRF.006 095 14 /XXX
			4	340	203	134	84	17.4	0.87			
			6	684	408	269	169	25.5	1.53			
			8	912	544	358	225	36.1	2.46			
			10	1072	639	421	265	42.5	3.84			
130	14	14	2	199	119	78	49	13.9	0.54	1607	1768	MIRF.006 130 14 /XXX
			4	523	312	206	129	15.2	0.95			
			6	1053	628	414	260	26.4	1.62			
			8	1403	836	551	347	37.2	2.65			
			10	1649	983	648	407	41.8	4.14			
165	14	14	2	269	160	106	66	17.3	1.04	2019	2220	MIRF.006 165 14 /XXX
			4	706	421	277	174	20.4	1.74			
			6	1422	847	559	351	28.5	3.06			
			8	1894	1129	744	468	39.1	4.92			
			10	2226	1327	875	550	45.5	7.68			
200	14	14	2	338	202	133	84	17.1	1.06	2416	2657	MIRF.006 200 14 /XXX
			4	889	530	349	220	19.4	1.82			
			6	1790	1067	704	442	29.0	3.15			
			8	2385	1422	937	589	39.7	5.11			
			10	2803	1671	1102	692	45.2	7.98			

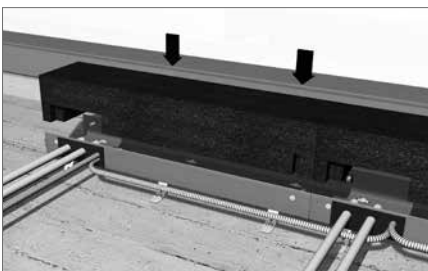
fill in grille code

\* With an assumed room attenuation of 8 dB(A) / content of the room 75 m<sup>3</sup> / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.

Correction factors & pressure drop: see "Technical info" chapter

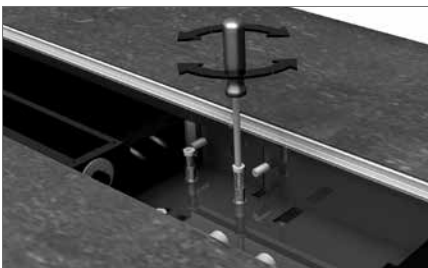
## SUPPLIED AS STANDARD

### ASSEMBLY & PROTECTION BLOCK



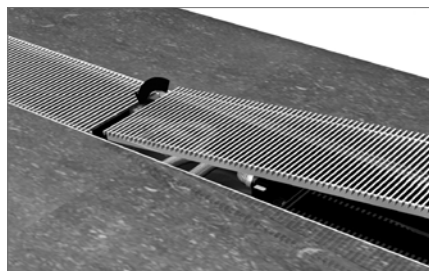
Install the polyethylene protective block(s) as protection on the construction site.

### HEIGHT CONTROL



Double height adjustment by means of the anchoring on the outer casing and by fine adjustment with the bolts in the inner housing (adjustable from 6.2 to 8 cm).

### DESIGN GRILLES



Continuous design grille of stainless steel grilles.

### FLEXIBLE CONNECTION



Stainless steel flexible hoses (15 to 25 cm), enabling the internal mechanism to be removed completely for easy cleaning.

## OVERVIEW GRILLES

### Stainless steel grilles



SSS  
stainless steel

### Stainless steel grilles lacquered



SSC/XXX  
stainless steel lacquered

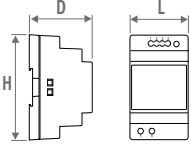
Our grilles are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

# MICRO CANAL - OPTIONS

## POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.053	12.5	12.6	8.3

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	46
7990.055	60	2.5	63
7990.056	92	3.9	90
7990.057	150	6.25	180

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

In function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/micro-canal>

## SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/40 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	Output Watts	Output current A	€
37603.010002	40	1.67	90

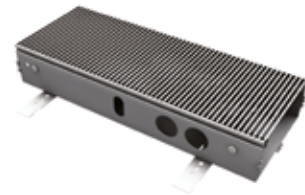
## JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230 VAC



- only for mounting on the distributor, not in the Micro Canal!
- with varistor to protect against power surge
- with position indicator (open/closed)
- sleeve couplings have to be provided by the installer

CODE	Description	€
7990.409	180° - G1/2" F / NG 230V 2Watts	107
7990.411	180° - G3/4" F / NG 230V 2Watts	119

## VALVE UNIT



- length 35 cm
- connection set with thermostatic valve, lockshield and thermoelectric drive 24 VDC
- outer casing with height control
- inner casing with stainless steel grille support
- stainless steel grille, natural coloured or lacquered
- protection block

CODE	€
7522.00603514/SSS/VE	446
7522.00603514 /SSC/... /VE	490

fill in colour code



Order sleeve couplings Eurocone:

Jaga Thermostatic valve Eurocone

Thermoelectric drive 24 VDC



Lockshield Eurocone

Dimensions of the valves, see "Connection sets & valves" chapter

# MICRO CANAL - OPTIONS

## EMPTY HOUSING

To fill open spaces for a continuous installation.



- outer casing with height control
- inner casing with stainless steel grille support
- stainless steel grille, natural coloured or lacquered
- protection block(s)
- 2 head pieces

### empty housing with stainless steel grille

CODE	L	€
7522.00603514/SSS	35	326
7522.00606014/SSS	60	436
7522.00609514/SSS	95	615
7522.00613014/SSS	130	807
7522.00616514/SSS	165	992
7522.00620014/SSS	200	1187

### empty housing with lacquered stainless steel grille

CODE	L	€
7522.00603514/SSC/ ...	35	358
7522.00606014/SSC/ ...	60	516
7522.00609514/SSC/ ...	95	729
7522.00613014/SSC/ ...	130	960
7522.00616514/SSC/ ...	165	1187
7522.00620014/SSC/ ...	200	1416

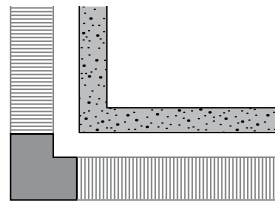
enter colour code

## CORNER PIECE



- aluminium cover plate in stainless steel effect (SSS), or lacquered in other Jaga colours (SSC)
- outer casing with anchorage elements
- polyethylene-protective mounting block(s)
- fully assembled inner housing with stainless steel grille support
- height adjustment with fine adjustment for alignment with the finished floor

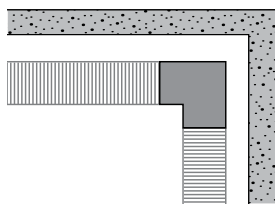
### Outer corner



CODE		€
7522.00602014/SSS/02	Natural	515
7522.00602014/SSC/.../02	lacquered	532

enter colour code

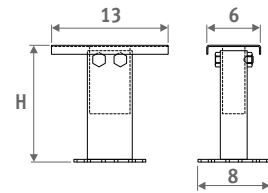
### Inner corner



CODE		€
7522.00602014/SSS/01	Natural	515
7522.00602014/SSC/.../01	lacquered	532

enter colour code

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



- lacquered in dark grey RAL 7024.
- easy installation by means of "stainless steel spring system"
- 1 set includes 2 height adjusting controls

### Number of sets per Micro Canal

L 35	= 1 set
L 60	= 1 set
L 95	= 1 set
L 130	= 2 sets
L 165	= 2 sets
L 200	= 2 sets

CODE	H	€/set
5207.05070000	5 > 7 cm	50
5207.08130000	8 > 13 cm	51
5207.13230000	13 > 23 cm	53
5207.20300000	20 > 30 cm	55

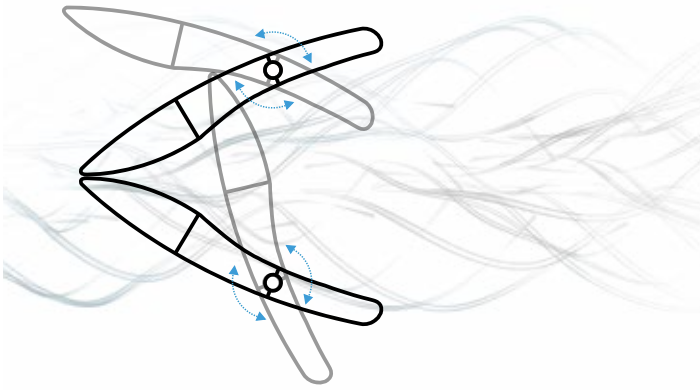
# jaga

CLIMATE DESIGNERS

## JAGA AVS<sup>®</sup> UNIT HEATER

Air Venturi System included

The Jaga unit heater is the master of air flow. Even in the biggest spaces. Its secret weapon? The Air Venturi System, which immediately blends heated air with the ambient air. The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!







AVS® UNIT HEATER

JAGA AVS



## JAGA AVS® INDIRECTLY POWERED UNIT HEATERS ARE AN ENERGY EFFICIENT AND COMFORTABLE SOLUTION FOR HEATING LARGE SPACES

### THE AIR VENTURI SYSTEM (AVS®)

The Jaga AVS® unit heater is designed for heating industrial buildings, sports halls, warehouses, garages, supermarkets, exhibition halls, commercial centres, conservatories, ... and also all rooms that are not in continuous use, but need to be heated very quickly.

The Jaga unit heaters are standard equipped with the unique AVS® system (Air Venturi System). This AVS® system results in a lower exhaust temperature combined with an equal capacity which creates a significant improvement in the heat carrying capacity and the temperature distribution. The AVS® system facilitates improved temperature distribution, which means that the running times are reduced, saving energy.

### GREENTECH EC-MOTORS

EC motors reduce operating costs, reduce the impact on the environment and impress with their quiet operation.

Due to the higher efficiency of the EC motors, the energy consumption is directly linked to the rotation speed and thus the flow rate of the fan. The actual power consumption is determined by the (variable) speed.

- **No expensive switching box required**
- **Energy saving up to 32%**
- **Little or no maintenance (brushless)**
- **Low noise level**
- **Stepless speed control 0-10 V**
- **Long life expectancy due to low heat production**



EC=-32%



# AVS® UNIT HEATER GREATER DISTRIBUTION WITH THE SAME POWER

**Jaga unit heaters are equipped with our unique Air Venturi System as standard. The result is a lower exhaust temperature combined for an equivalent heat output which create a significant improvement in the heat carrying capacity and the temperature distribution. The result: faster heating, better temperature distribution, lower energy consumption. Talk about great results!**

## FASTER HEATING UP

The unique Air Venturi System results in a lower exhaust temperature combined with an equal capacity which creates a significant improvement in the heat carrying capacity and the temperature distribution. This system offers a number of additional and innovative control options.

## LOWER ENERGY CONSUMPTION

The AVS® system facilitates improved temperature distribution, which means that the running times are reduced, saving energy.

## HEATED INDIRECTLY

Higher efficiency, better control.  
No exhaust fumes, safer.

## LOW-H<sub>2</sub>O HEAT EXCHANGER

Heat exchanger made from aluminium fins placed on mechanically expanded copper tubes, which are connected to steel collectors. The ideal combination of these materials guarantees optimum heat conductivity. 5 Sizes of heat exchangers with 2 or 3 rows of pipes. Heat output from 4.5 up to 78.6 kiloWatts at  $\Delta T$  50.

## ELECTRICITY CONSUMPTION UP TO 32% LOWER

Due to the single unit HyBlade® fan combined with the EC motor technology, the noise level drops by 6 dB(A) and the energy consumption with 32%.

## SIMPLE INSTALLATION AND CONTROL

Variable control 0-10 VDC.  
No expensive switching box for power supply control and/or frequency control required.  
Virtually maintenance free because the absence of carbon brushes

## ATTRACTIVE FINISH

A totally new construction with no visible screws or rivets. A high quality sand-blasted grey lacquered (001) scratch resistant and dirt repellent finish. Aerodynamic exhaust made of satin black lacquered aluminium.

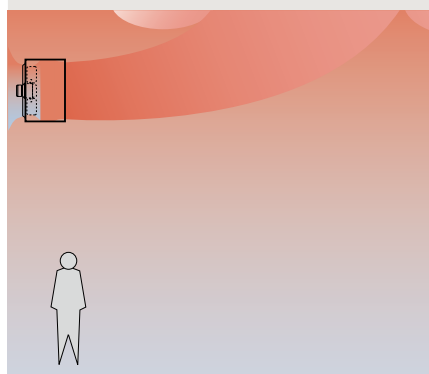


### WHY AVS®?

The main problem with unit heaters in general is the heat accumulation at the roof or ceiling level especially in high level roof spaces. The temperature difference between the floor and the ceiling increases in proportion to the exhaust temperature of the unit heater. The higher the exhaust temperature the faster the heated air rises, pushing the cooler down to floor level. Consequently more energy will be required to heat up the floor area in order to create a comfortable temperature. Higher air flow, lower exhaust temperature or additional fans can soften up the problem, but result in a considerable increase in cost or more noise.

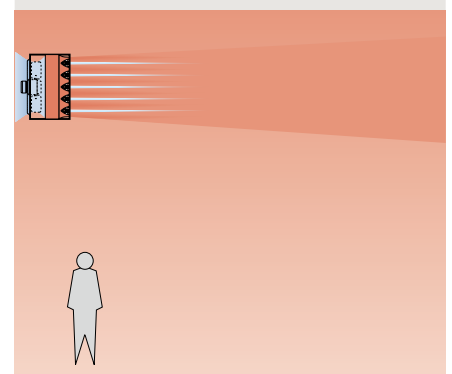
### STANDARD UNIT HEATERS

Due to the higher air exhaust temperature the hot air will rise too quickly and the cooler air will consequently be pushed downwards.



### THE JAGA SOLUTION: AIR VENTURI SYSTEM

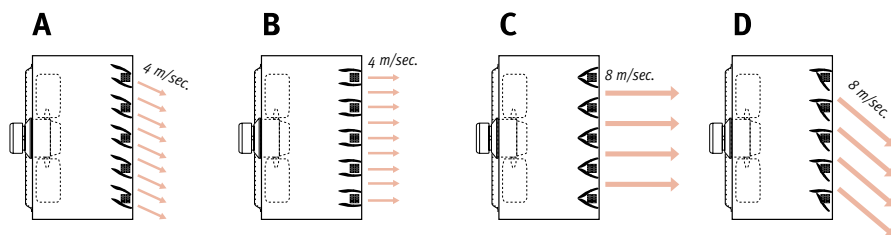
With the Air Venturi System the air exhaust temperature is lower, which greatly reduces the up-draught giving you an even temperature, faster heating up and better energy efficiency.



# AVS® UNIT HEATER - AIR VENTURI SYSTEM®

## POSITIONING

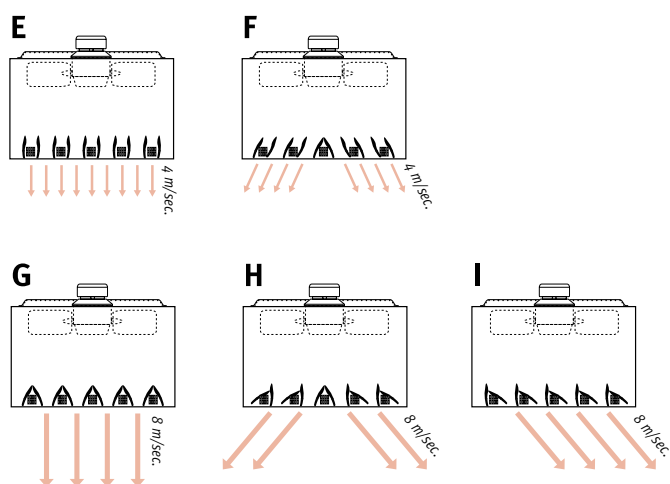
### Wall mounting



HEIGHT	POSITION
2.5 to 3 m	B or C
3 to 4 m	A
> 4 m	D

Tested with unit heater 221.  
For other types contact the Jaga technical department.

### Ceiling design



HEIGHT	POSITION
H < Table	E or F
H = Table	G, H or I

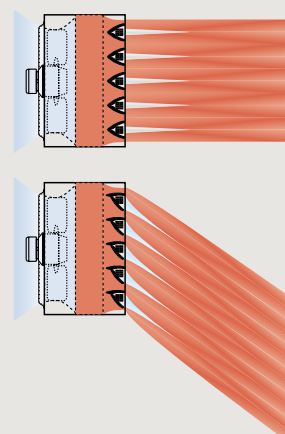
## THE MODULATING AVS® VERSION

With the modulating AVS® version the exhaust louvres are linked in pairs and connected to a servo motor. This motor produces a continuous back and forth movement of the adjustable louvres. This creates turbulence and created provides an even better temperature distribution. The angle of movement can easily be adjusted from 0 to 90°. A complete cycle takes around 150 seconds.

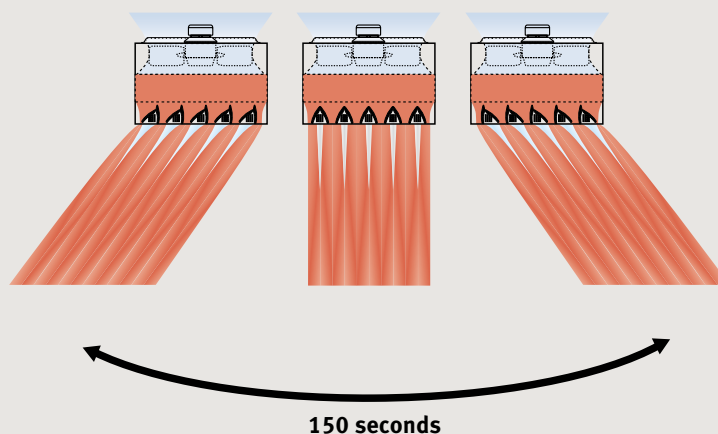
The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory.

Mini unit heater (code 021 and 031) are not available as a modulating version.

### Wall mounting: position 45°



### Ceiling mounting: position 90°

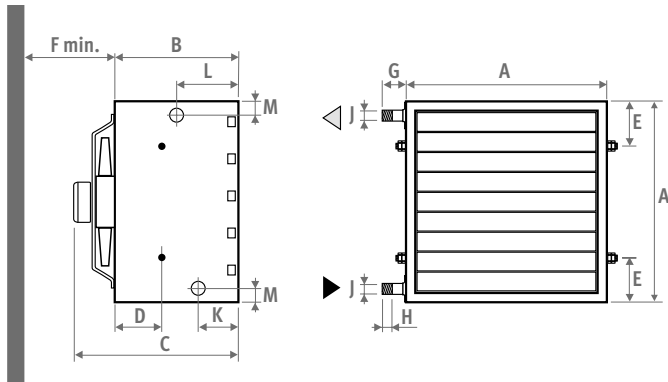


75 seconds

150 seconds

# DIMENSIONS - AVS® UNIT HEATER

## DIMENSIONS (in cm)



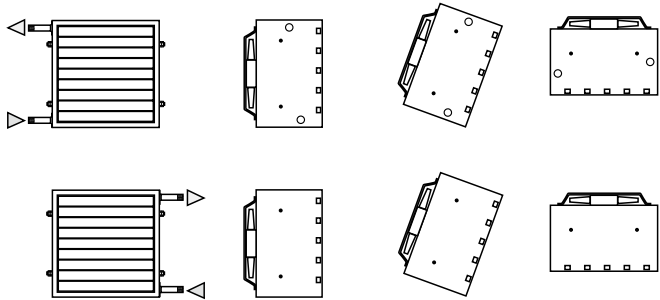
Mini unit heater

Type	021	031	121	131	221	231	321	331	421	431
A	41	41	53	53	65	65	77	77	89	89
B	40	40	40	40	40	40	40	40	40	40
C	43	43	48	48	49.8	49.8	57.2	57.2	55.1	55.1
D	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
E	10.5	10.5	11.5	11.5	12.5	12.5	13.5	13.5	14.5	14.5
F	30	30	35	35	45	45	56	56	65	65
G	4.8	4.8	4.8	4.8	4.8	4.8	5.1	5.1	5.1	5.1
H	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	2.5	2.5
øJ*	G3/4"	G3/4"	G1"	G1"	G1"	G1"	G6/4"	G6/4"	G6/4"	G6/4"
K	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
L	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
M	4.5	4.5	4.5	4.5	4.5	4.5	5.2	5.2	5.2	5.2
kg	20	22	30	32	43	46	56	59	71	75

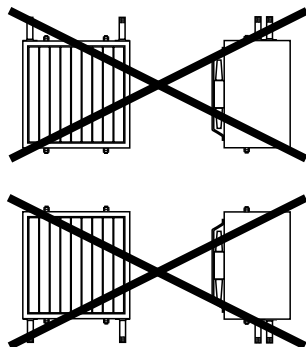
\* BSP Male

## HYDRAULIC CONNECTION

### Correct

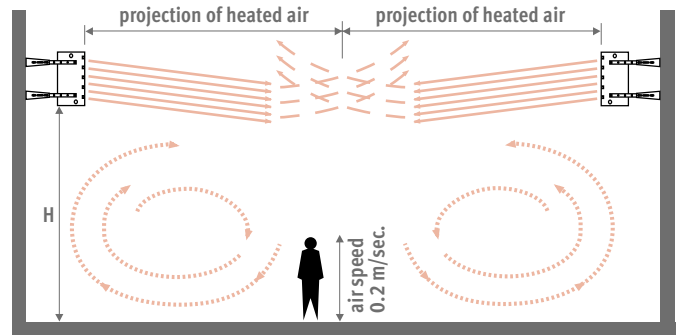


### Incorrect

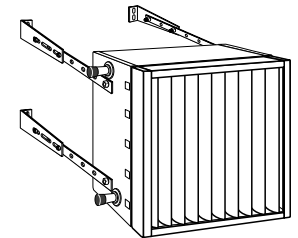
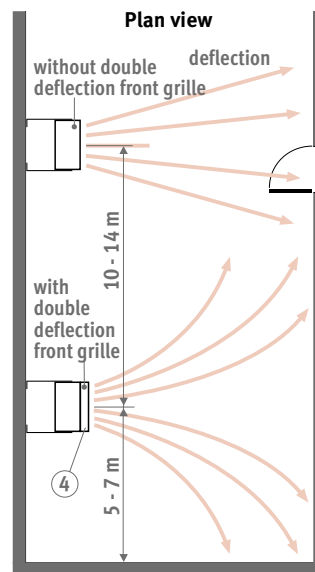


## MOUNTING

### Wall mounting

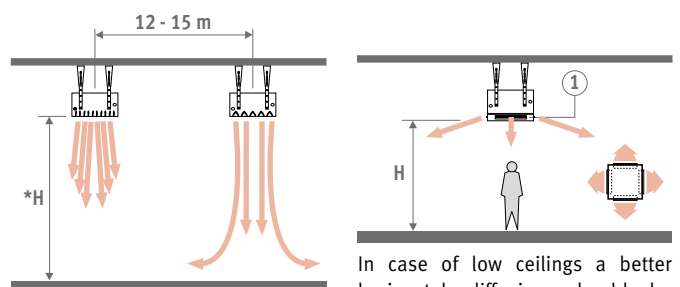


In order to maintain comfort, please avoid blowing heated air directly at people..

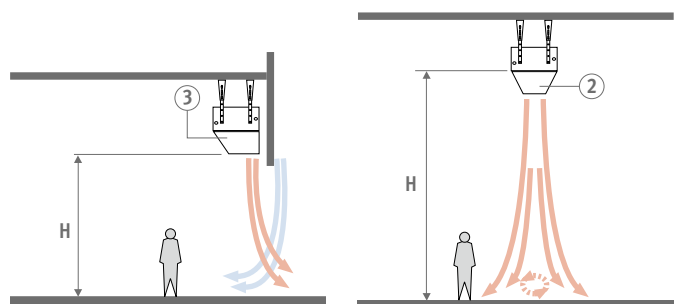


In small rooms a front grille must be fitted for double deflection to prevent too a high temperature at the opposite wall. The louvers are assembled both vertically and horizontally.

### Ceiling design



AVS® Position: see p. 188  
\*H see output table



In order to prevent cold air entering the room via openings, a mouth piece is available.

With ceilings higher than 6 metres an exhaust cone must be fitted on the appliance.

# AVS® UNIT HEATER WITH EC MOTOR

Type	Output			Air exhaust temperature <sup>(1)</sup>			Revolutions	Air flow	Sound power level <sup>(2)</sup>	Sound pressure <sup>(3)</sup>	Rated input	Hot air projection horizontal <sup>(4)</sup>			Hot air projection vertical <sup>(4)</sup>								
	control voltage	Tv 75 Tr 65 Tl 20	Tv 55 Tr 45 Tl 20	Tv 35 Tr 30 Tl 20	ΔT=50	ΔT=30						ΔT=12.5	H min.	with AVS®	with-out AVS®	H max.	H max.	H max.	H max.	H max.	4 sides open	2 sides open	
CODE	V	kWatts	kWatts	kWatts	°C	°C	°C	RPM	m³/h	dB(A)	dB(A)	Watts	m	m	m	m	m	m	m	m	m	m	
UNIT.021/EC 1415 €	10	7.3	4.4	1.8	35	21	21	1559	1422	71.4	55.4	76	21.0	16.0									
	8	7.1	4.2	1.8	36	22	22	1469	1325	69.9	53.9	63	19.0	14.0									
	6	6.4	3.8	1.6	38	23	22	1286	1144	66.1	50.1	43	2.5	15.0	12.0								
	4	5.5	3.3	1.4	41	25	23	984	847	58.4	42.4	20											
	2	4.5	2.7	1.1	44	26	23	731	594	50.0	34.0	10											
UNIT.031/EC 1550 €	10	9.6	5.8	2.4	42	25	23	1559	1342	69.1	53.1	79	19.0	14.0									
	8	9.0	5.4	2.3	43	26	23	1469	1251	68.0	52.0	65	17.0	12.0									
	6	8.1	4.8	2.0	45	27	24	1286	1080	65.0	49.0	45	2.5	14.0	10.0								
	4	6.5	3.9	1.6	49	28	24	984	799	57.4	41.4	21											
	2	5.3	3.2	1.3	54	32	25	731	561	49.0	33.0	11											
UNIT.121/EC 1851 €	10	15.7	9.4	3.9	41	25	23	1413	2422	71.2	55.2	115	23.0	18.0									
	8	14.6	8.8	3.7	44	26	23	1143	1984	65.5	49.5	80	19.0	14.0									
	6	13.0	7.8	3.2	48	28	24	857	1438	57.9	41.9	35	2.5	15.0	11.0								
UNIM.121/EC 3355 €	4	10.7	6.4	2.7	51	30	25	614	997	49.3	33.3	14											
2	8.0	4.8	2.0	56	32	26	458	699	41.2	25.2	8												
UNIT.131/EC 2105 €	10	20.1	12.0	5.0	50	29	25	1413	2286	71.2	55.2	118	22.0	16.0									
	8	19.3	11.6	4.8	53	31	25	1143	1872	63.1	47.1	82	19.0	14.0									
	6	16.7	10.0	4.2	58	34	26	857	1357	56.3	40.3	37	2.5	14.0	11.0								
UNIM.131/EC 3613 €	4	12.2	7.3	3.1	63	37	27	614	941	48.2	32.2	15											
2	9.2	5.5	2.3	66	38	28	458	660	40.2	24.2	9												
UNIT.221/EC 2388 €	10	30.4	18.2	7.6	39	23	22	1232	4643	75.2	59.2	248	37.0	28.0									
	8	28.6	17.2	7.2	41	25	23	1117	4153	71.5	55.5	187	33.0	25.0									
	6	26.4	15.8	6.6	43	25	23	936	3467	67.6	51.6	115	2.5	27.0	21.0								
UNIM.221/EC 3900 €	4	21.7	13.0	5.4	48	28	24	703	2517	59.3	43.3	54											
2	18.0	10.8	4.5	53	31	25	515	1773	57.8	41.8	27												
UNIT.231/EC 2626 €	10	36.7	22.0	9.2	44	26	23	1232	4382	75.8	59.8	251	35.0	27.0									
	8	34.6	20.8	8.6	47	28	24	1117	3920	69.6	53.6	189	30.0	23.0									
	6	31.1	18.7	7.8	51	30	25	936	3272	69.1	53.1	117	2.5	24.0	18.0								
UNIM.231/EC 4143 €	4	25.9	15.6	6.5	56	33	26	703	2375	58.2	42.2	55											
2	21.2	12.7	5.3	62	36	27	515	1673	56.8	40.8	28												
UNIT.321/EC 3314 €	10	40.2	24.1	10.0	40	24	23	826	4915	71.1	55.1	232	40.0	30.0									
	8	39.2	23.5	9.8	40	24	23	722	4254	67.7	51.7	158											
	6	36.0	21.6	9.0	43	26	23	515	2998	59.1	43.1	69	3.0	30.0	23.0								
UNIM.321/EC 4842 €	4	29.1	17.5	7.3	48	28	24	378	2036	51.6	35.6	34											
2	22.5	13.5	5.6	54	32	25	274	1403	43.3	27.3	20												
UNIT.331/EC 3670 €	10	51.7	31.0	12.9	48	28	24	826	4639	72.3	56.3	235	36.0	27.0									
	8	44.8	26.9	11.2	52	30	25	722	4015	65.9	49.9	160											
	6	35.6	21.4	8.9	56	33	26	515	2829	57.9	41.9	71	3.0	19.0	14.0								
UNIM.331/EC 5203 €	4	27.9	16.8	7.0	61	35	27	378	1922	50.3	34.3	35											
2	24.8	14.9	6.2	63	36	27	274	1324	42.3	26.3	21												
UNIT.421/EC 4271 €	10	65.2	39.1	16.3	41	25	23	972	8147	78.3	62.3	569	54.0	41.0									
	8	53.6	32.1	13.4	43	26	23	731	6004	70.6	54.6	249											
	6	44.2	26.5	11.1	46	27	24	539	4344	62.2	46.2	113	3.0	30.0	23.0								
UNIM.421/EC 5814 €	4	35.1	21.1	8.8	50	30	25	399	3107	53.8	37.8	54											
2	29.7	17.8	7.4	56	32	26	291	2207	46.2	30.2	30												
UNIT.431/EC 4831 €	10	78.6	47.2	19.7	48	28	24	972	7689	76.4	60.4	572	49.0	37.0									
	8	65.4	39.2	16.4	52	30	25	731	5666	68.9	52.9	251											
	6	53.6	32.2	13.4	55	32	26	539	4100	60.9	44.9	115	3.0	27.0	20.0								
UNIM.431/EC 6382 €	4	41.6	24.9	10.4	60	35	27	399	2932	52.7	36.7	55											
2	32.3	19.4	8.1	66	38	28	291	2083	45.2	29.2	31												

<sup>(1)</sup> At the heat exchanger, before the AVS®-effect reduces the temperature.

<sup>(2)</sup> Sound measurements according to DIN 45635 / ISO 5801, DIN EN ISO 3744 / 3745, ISO 13347-3

<sup>(3)</sup> Measured at 5 m from the appliance / content of the room 3000 m³ / reverberation time 2 sec. (VDI 2081)

<sup>(4)</sup> Hot air projection is an approximative value for free drawing and exhausting air. ΔTl ca. 15 to 20 K over the room temperature.

# OPTIONS - AVS® UNIT HEATER

## DELIVERY

Completely preassembled apparatus for mounting against wall or ceiling, supplied in sturdy cardboard packaging:

- standard with Air Venturi System
- 2 row or 3 row heat exchanger
- casing in sandblast grey (001), fine texture metallic lacquer

## ORDERING CODE

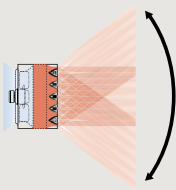
code type

**UNIT . 021 /EC** (standard AVS®)  
 ↳ fill in type (2 = 2 rows of pipes)  
 (3 = 3 rows of pipes)

## ORDERING CODE MODULATING

code type

**UNIM . 021 /EC** (modulating AVS®) see p. 330  
 ↳ fill in type (2 = 2 rows of pipes)  
 (3 = 3 rows of pipes)



The modulating operation is integrated into the equipment and therefore cannot be delivered as an accessory. Mini unit heater (code 021 and 031) not available as a modulating version.

Wiring diagram available on request:

## CODE

27200.20060001

## CLOCK THERMOSTATS HEATING

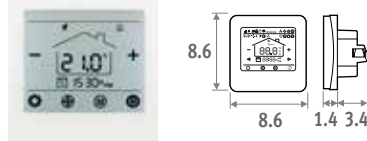
The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- **automatic thermostat for 2-pipe: heating/cooling or auto**
- **ventilator speed: min./med./max. or auto**
- **power supply 24 VDC**
- **output control(s) 0-10 VDC**
- **1 clock thermostat per room**
- **programmable zones**
- **LCD display with background lighting**
- **protection category IP30**

## FOR RECESSED MOUNTING

### NEW

#### Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi



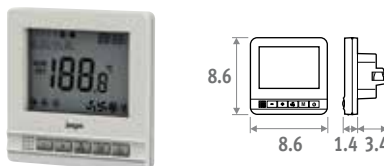
App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

## CODE

8751.050017 recessed/panel mounted € 171

#### Jaga clock thermostat for recessed/panel mounting JRT-100



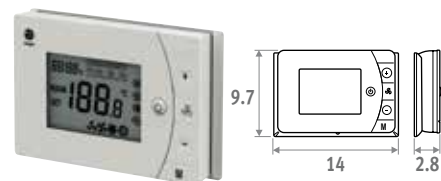
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

## CODE

8751.050012 recessed/panel mounted € 102

## FOR WALL MOUNTING

#### Jaga clock thermostat for wall mounting JRT-200

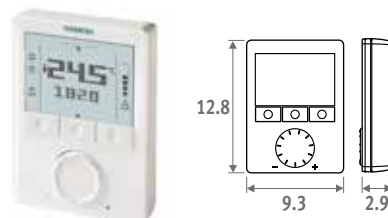


- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

## CODE

8751.050013 wall mounted € 96

#### Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- For more information contact Jaga:  
 ☎ +32 11 29 41 12 - ✉ export@jaga.be

## CODE

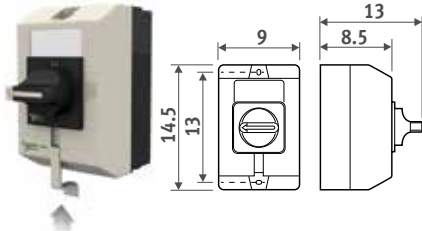
8751.050009 wall mounted € 304

# AVS® UNIT HEATER - OPTIONS

## ISOLATION SWITCH

For use with all unit heater models.  
Pre-mounted to the side when ordered together with the unit heater

- application: safe isolation of power during maintenance or replacement of parts
- 1 switch per unit heater
- ON/OFF function
- lockable in off position for safety



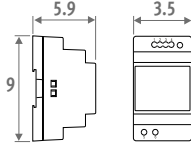
Add to the code of the unit heater /LS  
Ex. UNIT.021/EC/LS

	Surcharge €
Isolation switch	119

## POWER SUPPLY FOR THERMOSTATIC



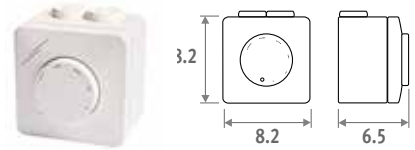
The guarantee is only valid if the original Jaga power supply is used.



- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	46

## POTENTIOMETER



- continuously variable speed control for max. 10 EC motors & modulating servo motor 230V
- synthetic housing ASA, RAL 9010
- for wall-mounting or built-in
- splash-proof IP44
- power supply 230 VAC
- output voltage 0..10 VDC (max. 8 mA)

CODE	€
8751.050008	150

## OTHER OPTIONS

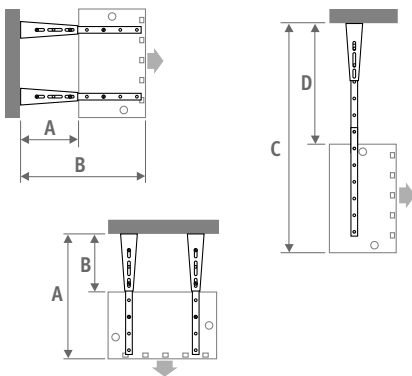
- Bracket and Fixing set p. 192
- Air exhaust options p. 194
- Air inlet options p. 196
- Servo motor p. 197

# AVS® UNIT HEATER - BRACKET AND FIXING SET

## WITH BRACKETS AND FIXING SETS TO USE?

### Without air inlet options

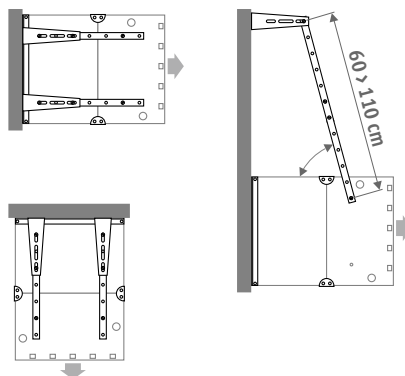
Set of brackets A



### With 1 air inlet option

(not available with Mini unit heater)

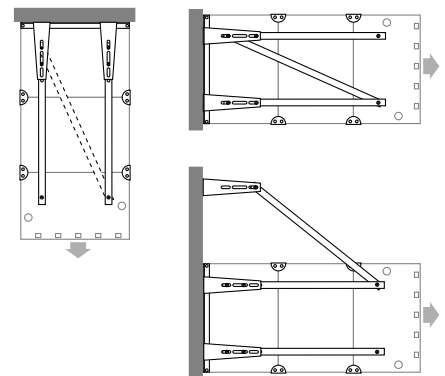
Set of brackets A + fixing set A



### With 2 air inlet options

(not available with Mini unit heater)

set of brackets B + fixing set B



TYPE	A		B		C		D		E	F	G
	min.	max.	min.	max.	min.	max.	min.	max.			
000 (Mini)	36	67	77	107	72.5	132.5	31.5	101.5	--	--	--
100	36	67	77	107	83.5	143.5	30.5	90.5	35.5	53	63.5
200	36	67	77	107	94.5	144.5	29.5	79.5	45.5	65	75.5
300	36	67	77	107	105.5	145.5	28.5	68.5	55.5	77	87.5
400	36	67	77	107	116.5	146.5	27.5	57.5	65.5	89	99.5

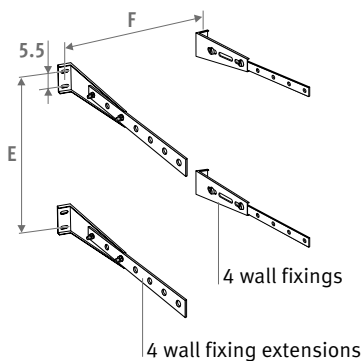


# BRACKET AND FIXING SET - AVS® UNIT HEATER

## SET OF BRACKETS A

For unit heater without or with one air inlet option

- carrying capacity: 150 kg
- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts

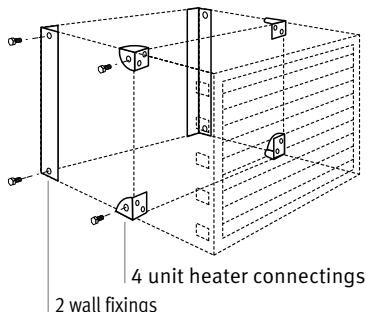


CODE	€
8376.010100	74

## FIXING SET A

For mounting of 1 air inlet option

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes bolts M 8 x 16 Din 933
- includes spring washers M8 Din 127



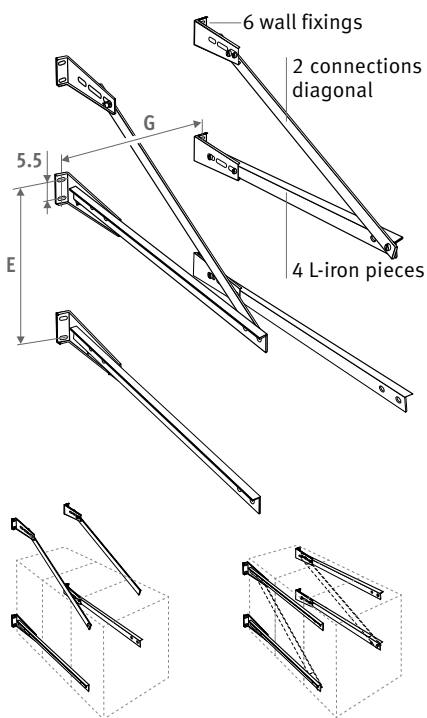
CODE	Type	€
8376.040001	100	85
8376.040002	200	85
8376.040003	300	85
8376.040004	400	85

to use together with set of brackets A

## SET OF BRACKETS B

For unit heater with two air inlet options

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts

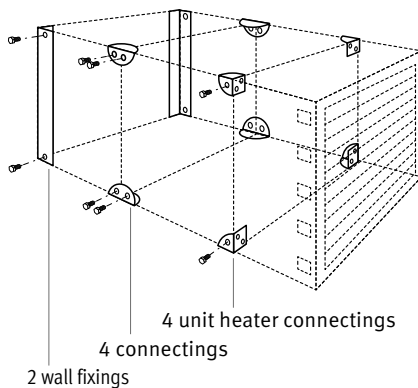


CODE	Type	€
8376.030101	100	127
8376.030102	200	135
8376.030103	300	151
8376.030104	400	158

## FIXING SET B

For mounting of 2 air inlet options

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes bolts M 8 x 16 Din 933
- includes spring washers M8 Din 127

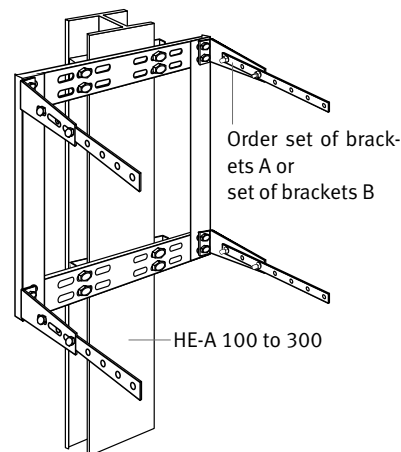


CODE	Type	€
8376.040101	100	112
8376.040102	200	112
8376.040103	300	112
8376.040104	400	112

To use together with set of brackets B

## FIXING ON METAL CONSTRUCTION

- finish in the same colour as the unit heater (sandblast grey metallic, colour 001).
- includes screw bolts



CODE	Type	€
8376.050101	100	71
8376.050102	200	71
8376.050103	300	71
8376.050104	400	71

To use together with set of brackets A or B

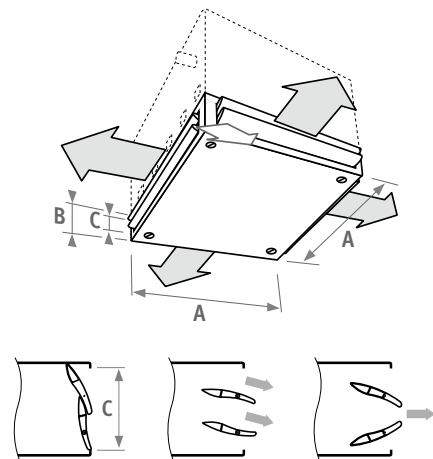
# AVS® UNIT HEATER - AIR EXHAUST OPTIONS

## 4- SIDED AVS® AIR DIFFUSER

- for better horizontal air diffusion in case of low ceilings
- order together with the unit heater. The unit heater needs to be adjusted
- with this option the unit heater has no air exhaust grille
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)
- aerodynamic angled louvres in satin black lacquered aluminium
- maximum height = 2.5 m bottom end of the appliance.



CODE	Type	€
8375.060100	(Mini) 000	259
8375.060101	100	314
8375.060102	200	326
8375.060103	300	354
8375.060104	400	393



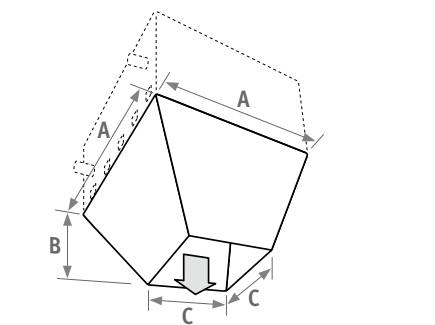
Type	A	B	C	kg
000 (Mini)	41.0	18.8	13.8	7.2
100	53.0	18.8	13.8	9.2
200	65.0	18.8	13.8	11.8
300	77.0	18.8	13.8	14.6
400	89.0	18.8	13.8	17.7

## EXHAUST CONE

- to obtain higher exhaust speed, which enables fixing at a high level
- order together with the unit heater. The unit heater needs to be adjusted
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type	€
8375.080101	100	253
8375.080102	200	262
8375.080103	300	298
8375.080104	400	317



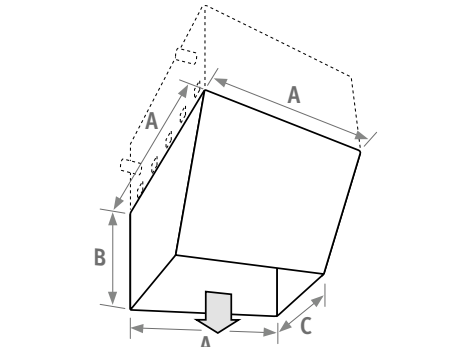
Type	A	B	C	kg
100	53.0	43.3	22.0	8.2
200	65.0	46.1	32.0	10.7
300	77.0	55.8	37.0	14.8
400	89.0	64.2	43.0	18.9

## EXHAUST MOUTH PIECE

- prevent cold air entering the room door spaces etc...
- order together with the unit heater. The unit heater needs to be adjusted
- will be delivered separately. Easy to mount and disassemble through quick-acting connection
- finish identical to the unit heater (sandblast grey, colour 001)



CODE	Type	€
8375.070101	100	251
8375.070102	200	262
8375.070103	300	298
8375.070104	400	319



Type	A	B	C	kg
100	53.0	54.5	10.5	9.7
200	65.0	60.0	18.0	17.3
300	77.0	72.5	19.0	24.0
400	89.0	103.5	25.0	36.7

# AIR EXHAUST OPTIONS - AVS® UNIT HEATER

## DOUBLE DEFLECTION FRONT GRILLE

- prevents too high a temperature developing at the opposite wall
- not suitable for use with the modulating version
- easy to mount through quick-acting connection at the top
- finish identical to the unit heater (sandblast grey, colour 001)
- aerodynamic angled louvres in satin black lacquered aluminium

## PROTECTION GRILLE FOR SPORT CENTERS

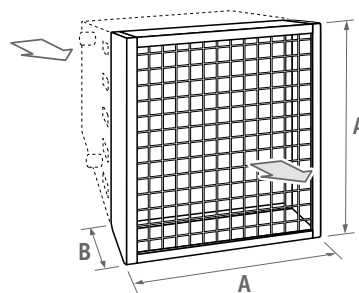
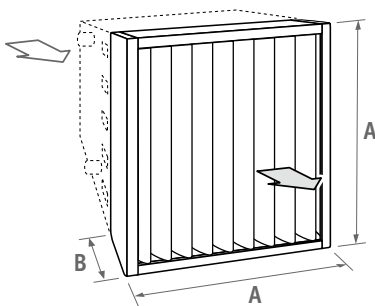
- easy to mount through quick-acting connection at the top
- not suitable for use with the modulating version
- finish identical to the unit heater (sandblast grey, colour 001)

For losses of air flow and/or capacity when using air exhaust options: see [www.jaga.com](http://www.jaga.com)



CODE	Type	€
8375.110100	(Mini) 000	232
8375.110101	100	251
8375.110102	200	262
8375.110103	300	303
8375.110104	400	315

CODE	Type	€
8375.100101	100	245
8375.100102	200	255
8375.100103	300	291
8375.100104	400	311



Type	A	B	kg
000 (Mini)	41.0	10.1	5.0
100	53.0	10.1	6.1
200	65.0	10.1	8.1
300	77.0	10.1	10.4
400	89.0	10.1	13.0

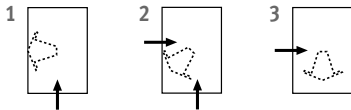
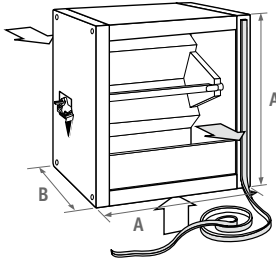
Type	A	B	kg
100	53.0	10.1	5.7
200	65.0	10.1	6.7
300	77.0	10.1	8.4
400	89.0	10.1	8.8

# AVS® UNIT HEATER - AIR INLET OPTIONS

**!** Air inlet options are not possible with unit heater 021 / 031!

For losses of air flow and/or capacity when using air exhaust options: see [www.jaga.com](http://www.jaga.com)

## AIR MIXING BOX



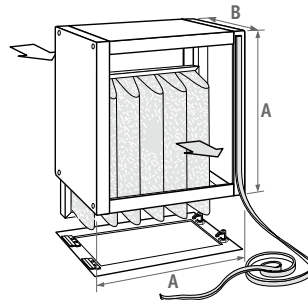
- unlacquered galvanized steel, or lacquered in the same colour as the unit heater (sand-blast grey, colour 001)
- manually adjusted

CODE	Type	€ galvanized
83750.010101	100	438
83750.010102	200	488
83750.010103	300	560
83750.010104	400	654

CODE	Type	€ lacquered
83751.010101	100	526
83751.010102	200	577
83751.010103	300	649
83751.010104	400	745

Type	A	B	kg
100	53.0	45.0	13.6
200	65.0	55.0	19.3
300	77.0	65.0	25.9
400	89.0	76.5	33.1

## FILTER BOX WITH FILTER ELEMENT



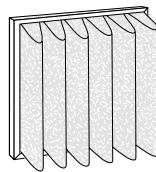
- unlacquered galvanized steel, or lacquered in the same colour as the unit heater (sand-blast grey, colour 001)
- when ordering a filter box it is recommended that a spare filter element is also ordered

CODE	Type	€ galvanized
8375.140101	100	449
8375.140102	200	518
8375.140103	300	628
8375.140104	400	816

CODE	Type	€ lacquered
83751.140101	100	540
83751.140102	200	606
83751.140103	300	718
83751.140104	400	907

Type	A	B	kg
100	53.0	35.0	18.1
200	65.0	45.0	22.4
300	77.0	55.0	26.7
400	89.0	66.5	31.9

## FILTER ELEMENT



**Caution! A dirty filter will reduce the output and the air flow of the unit heater.**

- partly recyclable (dependent on the application of room)
- efficiency: Ashrae-tissue 90 %
- self-extinguishable in accordance to DIN 53438-1
- heat resistant up to 100 °C
- complies to classification G4 in accordance DIN EN 779

CODE	Type	€
8375.150101	100	153
8375.150102	200	188
8375.150103	300	255
8375.150104	400	419

Other air inlet options: see [www.jaga.com](http://www.jaga.com)

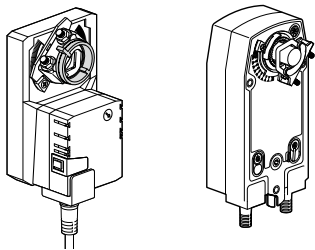
- shutter box 180°
- shutter box 90°
- angular box
- extension box
- wall channel box
- extension channel
- 2-sided air inlet box
- air inlet mouth piece with grille for connection on wall channel box
- roof rain protection piece for connection on wall channel box
- roof rain protection piece for connection on extension channel

# AIR INLET ACCESSORIES - AVS® UNIT HEATER



Servo motor or thermostat for frost protection are assembled on the device. The servo motor has to be ordered together with the air mixing box. The frost protection thermostat has to be ordered together with the unit heater.

## SERVO MOTORS "ON/OFF"

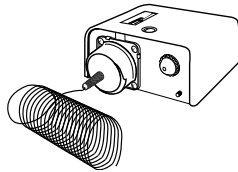


with return spring

- one size
- return spring: the mixing box or the shutter box will be closed automatically in case of a power cut (frost protection).

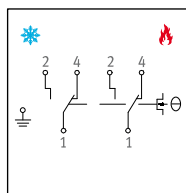
CODE	€
8383.2301 "on/off-230 V"	341
8383.2302 "on/off-230 V" with return spring	702
8383.2303 Modulating servo motor 230V	737

## THERMOSTAT FOR FROST PROTECTION

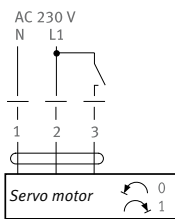


- Thermostat for frost protection (from -10° up to +12°C)

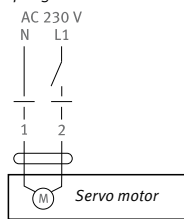
CODE	€
8384.0001	256



"on/off-230 V"



"on/off-230 V" with return spring



# AVS® UNIT HEATER - CORRECTION FACTORS

## CORRECTION FACTORS (CF) AS A FUNCTION OF ΔT

(ΔT = average water temperature - room temperature)

ΔT	Factor	ΔT	Factor	ΔT	Factor
30	0.60	49	0.98	68	1.36
31	0.62	50	1.00	69	1.38
32	0.64	51	1.02	70	1.40
33	0.66	52	1.04	71	1.42
34	0.68	53	1.06	72	1.44
35	0.70	54	1.08	73	1.46
36	0.72	55	1.10	74	1.48
37	0.74	56	1.12	75	1.50
38	0.76	57	1.14	76	1.52
39	0.78	58	1.16	77	1.54
40	0.80	59	1.18	78	1.56
41	0.82	60	1.20	79	1.58
42	0.84	61	1.22	80	1.60
43	0.86	62	1.24	81	1.62
44	0.88	63	1.26	82	1.64
45	0.90	64	1.28	83	1.66
46	0.92	65	1.30	84	1.68
47	0.94	66	1.32	85	1.70
48	0.96	67	1.34	86	1.72

## CALCULATION FOR OTHER TEMPERATURES

$T_v$  = flow temperature  
 $T_r$  = return temperature  
 $T_l$  = room temperature  
 $Q_v$  = requested capacities

### 1. ΔT Calculation

$$\Delta T = \frac{T_v + T_r}{2} - T_l$$

↓  
correction factor Cf

Calculation example

70 °C  
 50 °C  
 18 °C  
 25 kWatts

$$\Delta T = \frac{70^\circ\text{C} + 50^\circ\text{C}}{2} - 18^\circ\text{C} = 42$$

↓  
0.84

### 2. Calculation theoretical output (Qf)

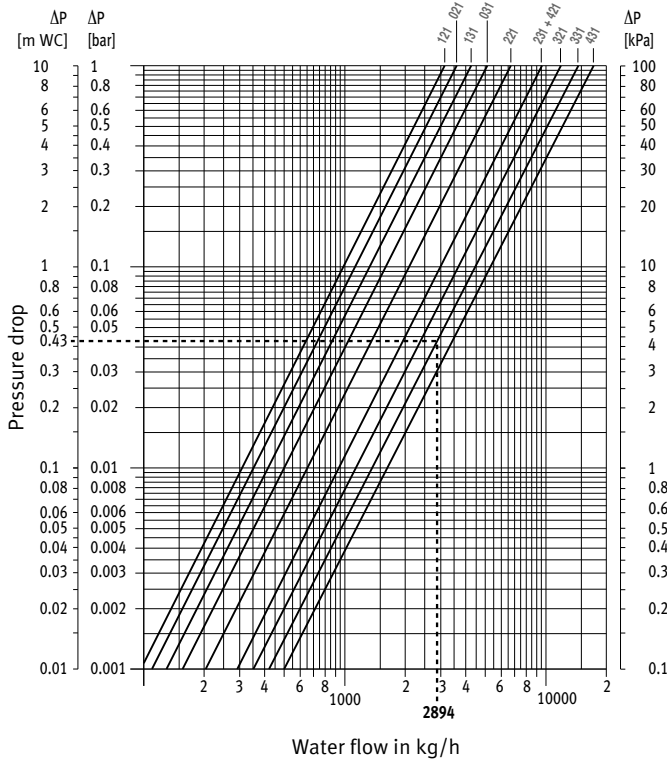
$$Q_f = \frac{Q_v}{C_f}$$

$$Q_f = \frac{25 \text{ kWatts}}{0.84} = 29.76 \text{ kWatts}$$

### 3. Choice unit heater

Select in table ΔT=50 a unit heater with an imaginary output of 29.76 kWatts (Qf). This unit heater will provide the requested output (Qv) of 25 kWatts at a water temperature  $T_v - T_r$  (70°C/50°C) and a room temperature  $T_l$  (18°C).

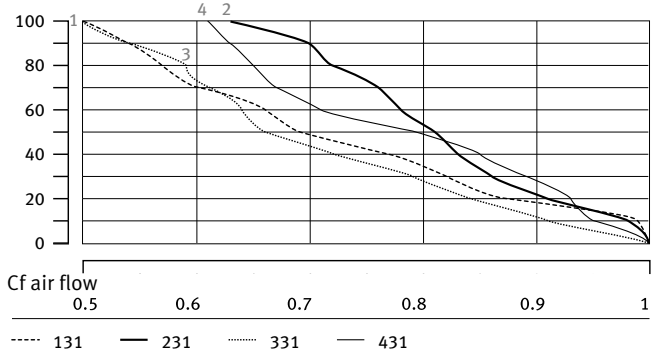
## HYDRAULIC PRESSURE DROP



## AIR FLOW / CORRECTION FACTOR FOR THE AIR FLOW

(Pressure drop with air inlet options)

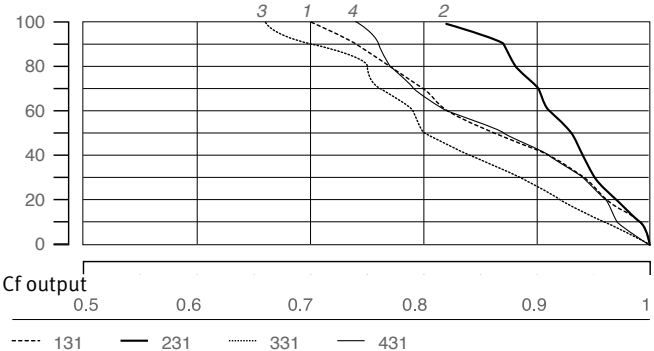
Δp (PA)



## THERMAL OUTPUT / CORRECTION FACTORS FOR THE HEATING LOSS OF OUTPUT

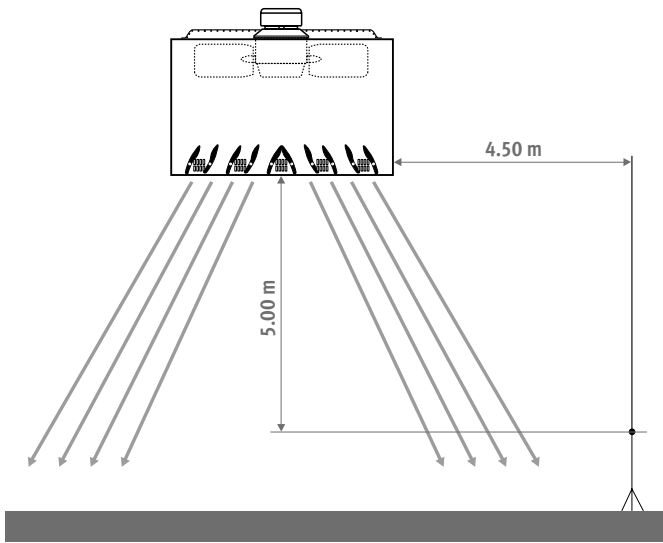
(Pressure drop with air inlet options)

Δp (PA)



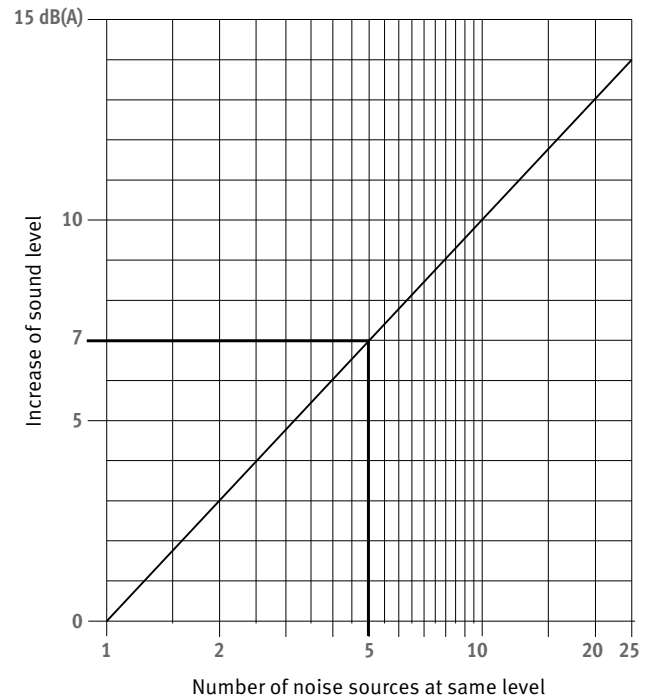
# CORRECTION FACTORS SOUND - AVS® UNIT HEATER

## SOUND PRESSURE



Sound measuring in a room in accordance with (DIN) EN 23741 and 23742

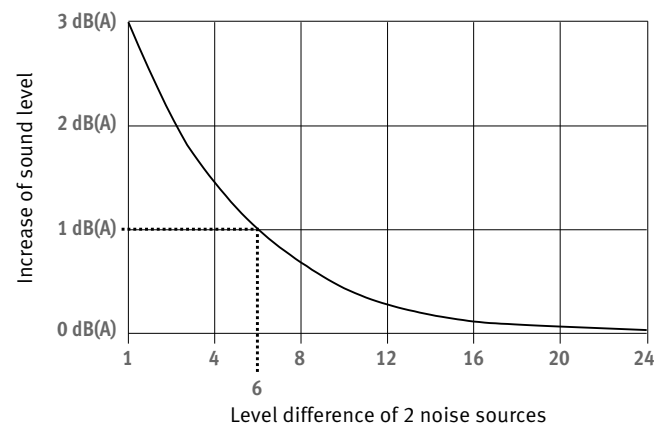
## COMBINATION OF DIFFERENT NOISE SOURCES AT THE SAME SOUND LEVEL



Example:

- given: 5 sound sources of each 53 dB(A)
- asked: the total sound intensity
- the total sound intensity: 53 dB(A) + 7 dB(A) = 60 dB(A)

## COMBINATION OF DIFFERENT NOISE SOURCES WITH DIFFERENT SOUND LEVELS



Example:

- given: 2 sound sources 53 dB(A) and 59 dB(A)
- difference = 6 dB(A)
- asked: the total sound intensity
- the total sound intensity : 59 dB(A) plus 1 dB(A) = 60 dB(A)

**jaga**

CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)





# HEATING AND LIGHT COOLING

# FAQ ?!

## **WHAT IS JAGA LIGHT COOLING?**

Light cooling is a form of cooling whereby the water temperature is always higher than the condensing temperature and therefore no condensation water is formed. This is also referred to as high temperature cooling (HTK). This is an energy-efficient way of cooling that's ideal in combination with low temperature heating (LTH), an energy-efficient way of heating.

## **HOW MUCH ENERGY DOES THIS LIGHT COOLING USE ?**

The energy consumption is lower than with low temperature cooling systems (LTC) such as air conditioning systems, especially in combination with a geothermal heat pump. It heats with heat from the ground during the winter and cools by transferring this heat back to the ground in the summer.

## **DO I NEED A HEAT PUMP ?**

It is advisable to install a suitable heat pump if you want to be able to cool down your house. Jaga light cooling does not require condensate drains, which simplifies the installation.

## **IS LIGHT COOLING SUITABLE FOR ANY HOME?**

Yes, if the installation is calculated and executed correctly. It will be even more effective in combination with other solutions to keep the heat out, such as placing solar screens or additional insulation.

## **DO I HAVE SUFFICIENT COOLING CAPACITY?**

A cooling load calculation must be performed to correctly dimension the heat pump and thermal units in order to reach the desired room temperature.

## **HOW HEALTHY OR UNHEALTHY IS THIS LIGHT COOLING?**

The difference with the outside temperature is smaller than with air conditioning and non-condensing cooling is less aggressive. This makes it easier to bear non-condensing cooling, especially for people who can't stand the often too cold and dry air flows of air conditioners.

## **DOES JAGA HAVE ANY OTHER COOLING SOLUTIONS?**

Yes, those who opt for condensing cooling to achieve lower temperatures can , for example, install the Jaga Briza or Clima Canal.

## **WALL HORIZONTAL**

Strada Hybrid p. 208

DBH Upgrade set p. 228

## **WALL BUILT-IN**

Installation in a wall recess Hybrid  
p. 218

## **FLOOR FREESTANDING**

Mini Freestanding Hybrid p.224

## **WALL VERTICAL**

Vertiga Hybrid p. 238

## **FLOOR BUILT-IN**

Mini Canal Hybrid p. 244

Clima Canal 08 p. 256

*True beauty  
is on the inside*

# HEATER TECHNOLOGY CHANGED FOREVER

With numerous products, and as a pioneer in heating design, Jaga has forever changed the look of the heating unit. But climate change and evolutions in building techniques require a new ecological technology to heat and cool down your home.

The development of the Hybrid heating units for heating and light cooling, the successors to the dynamic, low water temperature DBE heating unit ( launched in 2005), has forever changed the technology.

## THE JAGA HYBRID RADIATOR: HEATING OR HEATING + LIGHT COOLING

- **Efficient and effortless heating with the lowest water temperature**
- **Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water**
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature**





MINI CANAL HYBRID



VERTIGA HYBRID



STRADA HYBRID

# HEATING OR HEATING + LIGHT COOLING

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- Standard, without changing the direction of the water flow, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM, CRUCIAL FOR HEATING AND COOLING DOWN

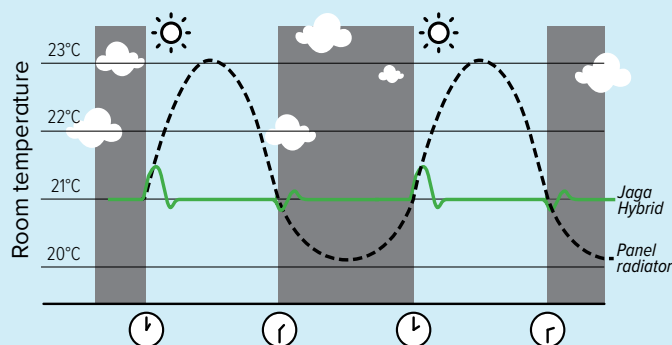
### HEATING

Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Jaga Hybrid anticipates this and accurately controls the temperature in all circumstances.

### JAGA LIGHT COOLING

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

More than ever, the responsiveness determines your energy consumption and your comfort.



# MORE OUTPUT, LESS HEATER

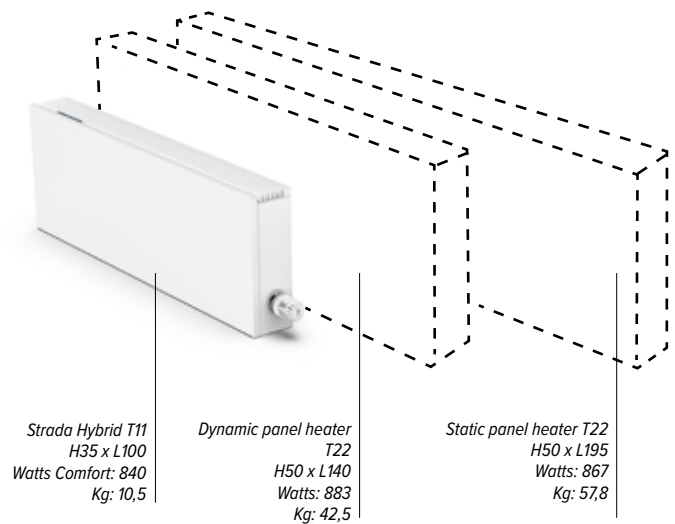
## IDEAL FOR RENOVATIONS AND A SWITCH TO A LOWER WATER TEMPERATURE

### NO LARGER HEATER REQUIRED

The lower the water temperature, the less heat the heating unit can emit. Larger heating units are therefore required. But not so with Jaga's Hybrid system. The Hybrid system provides extra power and enables the switch to lower water temperatures without needing larger heating units.

That is why Jaga Hybrid can be easily combined with any heat pump.

*Example with Strada Hybrid  
Comparison of 850 watts at 45/35/20°C.*



## QUIET CLIMATE COMFORT

### NOISE AND POWER ACCORDING TO THE LATEST EUROPEAN STANDARDS

The cooling and heating power of all Hybrid heating units is measured according to the latest European standards for heating units with integrated fans. Jaga is one of the first to be in compliance with the latest reference standard EN 16430.

The sound power (Lw) is measured according to IS 3741:2010. As usual, for the sound pressure level (Lp) a room attenuation of 8 dB(A) is assumed with a room volume of 100 m<sup>3</sup> and a reverberation time of 0.5 sec.

## FUTURE-PROOF: SPREAD YOUR INVESTMENT.

### AN ENVIRONMENTALLY FRIENDLY TWO-STEP INSTALLATION

Not ready yet for a heat pump? Strada Hybrid heaters also make gas and fuel oil boilers operate at their lowest water temperature level, and therefore as efficiently as possible.

From day 1 you'll start saving money on your energy bill and your installation will be completely ready for a future

without a boiler and CO<sub>2</sub> emissions. You can switch over to an emission-free installation with a heat pump at any time without having to make any changes to the radiators, heat distribution or pipes.

Quite a reassurance.

# jaga

CLIMATE DESIGNERS

## STRADA HYBRID

The most compact heating unit for heating or heating + cooling

Also suitable for Jaga Light cooling

- **Efficient and effortless heating with the lowest water temperature**
- **Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water**
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature and as efficiently as possible.**

“From the designers of the first low temperature heater.”

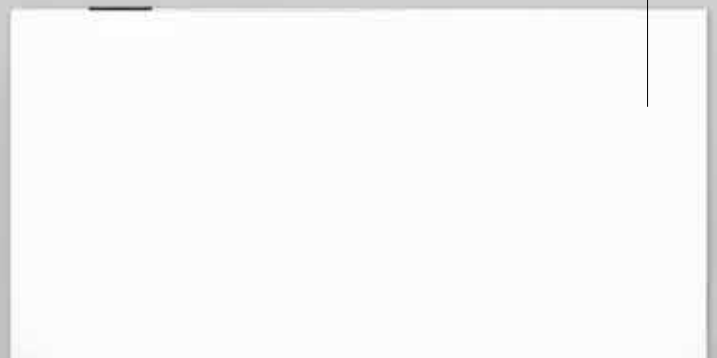


Strada Hybrid T16

H50 x L120

● 55/45/20: 2754 Watts

● 16/18/27: 740 Watts







# STRADA HYBRID



*Strada Hybrid T11  
H35 x L100  
55/45/20: 1600 Watts  
Graphite black RAL 7021 color with Jaga AB thermostat head.*



# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATING UNIT

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- by default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

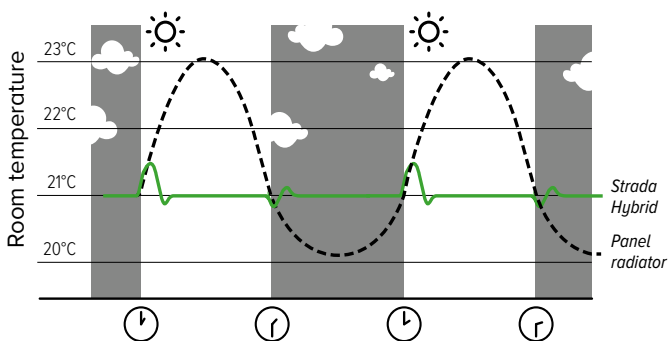
Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Strada Hybrid anticipates this and accurately controls the temperature in all circumstances.

### Jaga light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

**More than ever, the responsiveness determines your energy consumption and your comfort.**

## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



## MULTIFUNCTIONAL INTELLIGENCE

### Auto-change-over mode (Standard)

You do not have to do anything at all to switch between heating and cooling down. Due to its accurate room – and water temperature sensors, the hybrid is fully automated. To achieve the requested temperature you can set 3 different fan speeds, depending on the room where the heating unit is located: bedroom mode max. 26 dB(A), comfort mode max. 30 dB(A) or maximum mode for rapid heating and cooling.

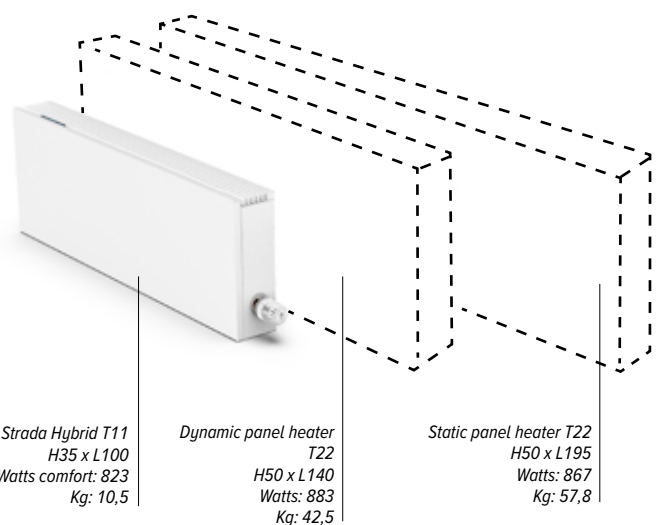
### With breeze feature

The Hybrid heater's DBH system can also be activated if there is no cooling water, so without a heat pump. The vicinity of the heater can already feel less warm with just the air movement of the fans.

## IDEAL FOR RENOVATIONS AND A SWITCH TO A LOWER WATER TEMPERATURE NO LARGER HEATER REQUIRED

The lower the water temperature, the less heat the heater can emit. Extra large heating units are therefore required. But not so with the Strada Hybrid. The DBH system provides sufficient additional power, and you can now switch to a very low water temperature with identical dimensions. **That is why the Strada Hybrid is the very best heat pump heating unit.**

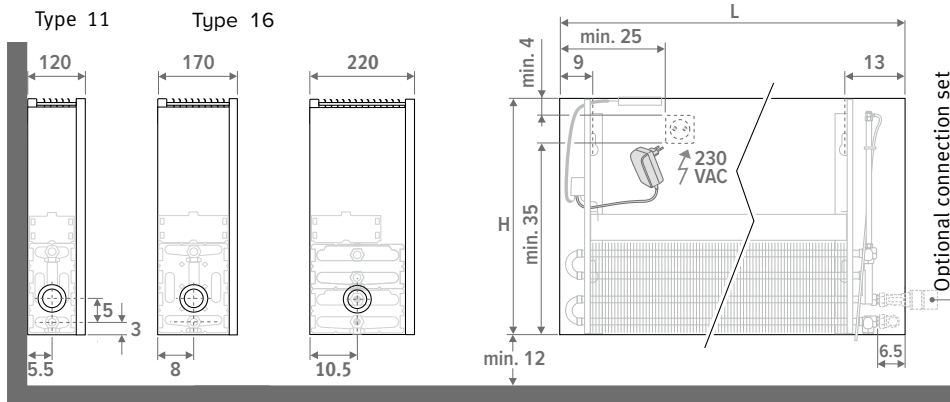
## COMPARISON OF 850 WATTS AT 45/35/20 °C.



Tip: For all info on the Hybrid system see [www.jaga.com/technology/heating/dbh.html](http://www.jaga.com/technology/heating/dbh.html)

# TECHNICAL INFORMATION

## DIMENSIONS (in cm)



## DELIVERY

Easy to install by one person. Delivered in a cardboard box, which can also be used as protection on site after installation.

### Standard delivery:

- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit, air vent 1/8" and drain plug 1/2"
- casing for connection left or right at low level
- cover plate in stainless steel effect for the side panel at the opposite end from the valve
- easy to install DBH-unit with operation, control and 24VDC power supply
- clear installation instructions

⚠ This heater is not equipped with a condensation monitor. It has to be integrated into the installation. (only for cooling)

## COLOURS

Environmentally-friendly, scratch-resistant and UV-resistant powder coating.

### Standard colours:

Colour 133: traffic white RAL 9016 soft touch lightly structured satin powder coating  
 Colour 001: sandblast grey fine texture metallic powder coating  
 Colour 145: off-black RAL 7021 Soft touch: finely-textured matte look, gloss degree < 10%

### Other colours:

see colour chart on [www.jaga.com](http://www.jaga.com)

## ELECTRICAL CONNECTION

The DBH system requires an electrical outlet near the heating unit. If it has a height of 50, 65 and 95 cm, an electrical outlet or power cable can be installed in the casing. If the height is 30 cm, only the power cable can be installed inside the casing. Connection to an external electrical outlet is always possible. Do not connect the electrical and hydraulic connection to the same side of the coil.

## HYDRAULIC CONNECTION

### Heating

Supply / return on the bottom left or right, to the wall or floor. Wall connection via bottom or completely invisible within the cladding with valve set 225/265.

### Heating and cooling

The same connections and valve sets can be used for heating and cooling as for single heating. For the valve sets, use the version with the Heimeier thermostat head HC for heating and cooling or the version with a manual valve. It doesn't get any simpler!

## OPERATION OF THE DBH SYSTEM

**Strada Hybrid** is by default equipped with the DBH-control in Auto-Change-Over mode. The desired room temperature is set via a room thermostat or the heating unit's thermostat head. The Strada Hybrid heater has accurate sensors for both the room and water temperature. DBH automatically switches between standby / heating / cooling based on the measured values.

- suitable for heating or heating and cooling with the thermostat head HC or the manual button MA.
- noise level monitoring, officially measured according to ISO 3741: 2010
- with breeze feature for a fan effect, does not depend on the water temperature.
- colored LEDs indicate the feature and the fan speed.

⚠ Het DBH-system will not control the heat pump or the boiler and therefore cannot replace a room thermostat

## NOISE AND POWER ACCORDING TO THE LATEST EUROPEAN STANDARDS

The heat output of the Strada Hybrid was measured according to the latest European standards regarding heating units with integrated fans. Jaga is one of the first to comply with the new reference standard **EN 16430**.

The sound power (L<sub>w</sub>) of the Strada Hybrid is measured in accordance with **ISO 3741:2010**. As is customary for the sound pressure (L<sub>p</sub>), room attenuation of 8 dB(A) is assumed for room content of 100 m<sup>3</sup> and a reverberation time of 0.5 sec.

## HOW TO SELECT STRADA HYBRID

Strada Hybrid is selected in comfort mode, **position 2 in bold** in the output tables. This guarantees a quiet operation at a maximum of 30 dB(A). Position 1 is an extremely quiet bedroom setting with a maximum of 26 dB(A). Position 3 provides a maximum boost and the very high output serves primarily to heat up and cool down a room as quickly as possible. In this mode the noise is between 42 and 46 dB(A).

### How loud is a decibel?

dB(A)	Perception	Examples
10	hardly to hear	breathing, a falling leave
20	just audible	radio studio, rustling of tree leaves
30	very quiet	library (30 to 40), whispering
40	quiet	living room, quiet classroom, soft buzz, fridge
50	limited sound	air conditioning, normal conversation, dishwasher

# OUTPUTS STRADA HYBRID

## HEIGHT 035

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE				
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts									
035	060	11	1	1142	647	409	246	191	26,0	4,8	698	807	STRW.035 060 11 /133 /ACO				
			2	1223	693	438	263	205	30,0	5,4							
			3	1447	819	518	311	242	40,0	6,8							
		16	1	1400	793	501	301	214	26,0	4,8				771	880	STRW.035 060 16 /133 /ACO	
			2	1503	851	538	323	230	30,0	5,5							
			3	1989	1126	712	428	305	41,1	7,2							
	080	11	11	1	1648	933	589	355	276	26,0	6,3	789	898	STRW.035 080 11 /133 /ACO			
				2	1770	1002	633	381	296	30,0	6,8						
				3	2136	1210	764	460	358	41,8	9,1						
		16	11	1	2040	1156	730	439	312	26,0	6,0				888	997	STRW.035 080 16 /133 /ACO
				2	2188	1239	783	471	335	30,0	6,7						
				3	2936	1663	1050	632	450	42,4	9,0						
	100	11	11	1	2136	1210	764	460	358	26,0	7,8	930	1103	STRW.035 100 11 /133 /ACO			
				2	2301	1303	823	495	385	30,0	8,7						
				3	2825	1600	1011	608	473	43,0	12,2						
		16	11	1	2630	1490	941	566	403	26,0	7,0				1071	1244	STRW.035 100 16 /133 /ACO
				2	2817	1595	1008	606	431	30,0	7,7						
				3	3883	2199	1389	836	595	44,1	10,7						
	120	11	11	1	2612	1479	935	562	437	26,0	8,9	1023	1196	STRW.035 120 11 /133 /ACO			
				2	2822	1598	1010	607	473	30,0	9,9						
				3	3514	1990	1257	756	589	44,0	14,8						
		16	11	1	3242	1836	1160	698	496	26,0	8,7				1183	1356	STRW.035 120 16 /133 /ACO
				2	3472	1966	1242	747	532	30,0	9,8						
				3	4830	2735	1728	1039	740	44,8	14,3						
140	11	11	1	3077	1743	1101	662	515	26,0	10,1	1114	1287	STRW.035 140 11 /133 /ACO				
			2	3333	1887	1192	717	558	30,0	11,2							
			3	4203	2380	1504	904	704	44,8	17,5							
	16	11	1	3844	2177	1376	827	589	26,0	9,6				1290	1463	STRW.035 140 16 /133 /ACO	
			2	4117	2332	1473	886	630	30,0	10,5							
			3	5777	3272	2067	1243	885	45,4	14,4							
160	11	11	1	3533	2001	1264	760	592	26,0	11,0	1354	1527	STRW.035 160 11 /133 /ACO				
			2	3835	2172	1372	825	642	30,0	12,4							
			3	4892	2771	1750	1053	819	45,5	19,2							
	16	11	1	4418	2502	1581	951	676	26,0	11,5				1588	1761	STRW.035 160 16 /133 /ACO	
			2	4717	2671	1688	1015	722	30,0	12,8							
			3	6724	3808	2406	1447	1030	46,4	19,6							
200	11	11	1	4423	2505	1582	952	741	26,0	13,4	1555	1857	STRW.035 200 11 /133 /ACO				
			2	4821	2730	1725	1037	807	30,0	14,8							
			3	6270	3551	2243	1349	1050	46,5	24,0							
	16	11	1	5667	3210	2028	1220	868	26,0	13,2				1877	2179	STRW.035 200 16 /133 /ACO	
			2	5971	3382	2137	1285	914	30,0	14,7							
			3	8618	4881	3083	1855	1320	47,1	23,5							
240	11	11	1	5238	2967	1874	1127	877	26,0	14,8	1925	2227	STRW.035 240 11 /133 /ACO				
			2	5738	3250	2053	1235	961	30,0	16,6							
			3	7648	4331	2736	1646	1281	47,2	28,0							
	16	11	1	6916	3917	2475	1488	1059	26,0	16,4				2343	2645	STRW.035 240 16 /133 /ACO	
			2	7168	4060	2565	1543	1098	30,0	17,7							
			3	10512	5953	3761	2262	1610	48,1	29,7							
280	11	11	1	5977	3385	2138	1286	956	26,0	16,2	2100	2402	STRW.035 280 11 /133 /ACO				
			2	6599	3737	2361	1420	1056	30,0	18,6							
			3	8790	4978	3145	1892	1406	47,8	31,4							
	16	11	1	8166	4625	2922	1757	1250	26,0	19,3				2591	2893	STRW.035 280 16 /133 /ACO	
			2	8348	4728	2987	1797	1278	30,0	20,4							
			3	12406	7026	4439	2670	1900	48,9	34,5							

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Output measured in accordance with EN 16430

Standard colour: **133** (traffic white RAL 9016)  
or **001** (sandblast grey)  
Other colours see Jaga colour chart



**Tip:** For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)

# OUTPUTS STRADA HYBRID

## HEIGHT 050

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE		ORDER CODE
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts			Standard colours €	Other colours €	
050	060	11	1	1142	647	409	246	191	26.0	4.8	715	824	STRW.050 060 11 /133 /ACO
			2	1223	693	438	263	205	30.0	5.4			
			3	1447	819	518	311	242	40.0	6.8			
	16	1	1400	793	501	301	214	26.0	4.8	788	897	STRW.050 060 16 /133 /ACO	
		2	1503	851	538	323	230	30.0	5.5				
		3	1989	1126	712	428	305	41.1	7.2				
	080	11	1	1648	933	589	355	276	26.0	6.3	810	919	STRW.050 080 11 /133 /ACO
			2	1770	1002	633	381	296	30.0	6.8			
			3	2136	1210	764	460	358	41.8	9.1			
16		1	2040	1156	730	439	312	26.0	6.0	911	1020	STRW.050 080 16 /133 /ACO	
		2	2188	1239	783	471	335	30.0	6.7				
		3	2936	1663	1050	632	450	42.4	9.0				
100	11	1	2136	1210	764	460	358	26.0	7.8	953	1126	STRW.050 100 11 /133 /ACO	
		2	2301	1303	823	495	385	30.0	8.7				
		3	2825	1600	1011	608	473	43.0	12.2				
	16	1	2630	1490	941	566	403	26.0	7.0	1094	1267	STRW.050 100 16 /133 /ACO	
		2	2817	1595	1008	606	431	30.0	7.7				
		3	3883	2199	1389	836	595	44.1	10.7				
120	11	1	2612	1479	935	562	437	26.0	8.9	1048	1221	STRW.050 120 11 /133 /ACO	
		2	2822	1598	1010	607	473	30.0	9.9				
		3	3514	1990	1257	756	589	44.0	14.8				
	16	1	3242	1836	1160	698	496	26.0	8.7	1209	1382	STRW.050 120 16 /133 /ACO	
		2	3472	1966	1242	747	532	30.0	9.8				
		3	4830	2735	1728	1039	740	44.8	14.3				
140	11	1	3077	1743	1101	662	515	26.0	10.1	1143	1316	STRW.050 140 11 /133 /ACO	
		2	3333	1887	1192	717	558	30.0	11.2				
		3	4203	2380	1504	904	704	44.8	17.5				
	16	1	3844	2177	1376	827	589	26.0	9.6	1320	1493	STRW.050 140 16 /133 /ACO	
		2	4117	2332	1473	886	630	30.0	10.5				
		3	5777	3272	2067	1243	885	45.4	14.4				
160	11	1	3533	2001	1264	760	592	26.0	11.0	1388	1561	STRW.050 160 11 /133 /ACO	
		2	3835	2172	1372	825	642	30.0	12.4				
		3	4892	2771	1750	1053	819	45.5	19.2				
	16	1	4418	2502	1581	951	676	26.0	11.5	1624	1797	STRW.050 160 16 /133 /ACO	
		2	4717	2671	1688	1015	722	30.0	12.8				
		3	6724	3808	2406	1447	1030	46.4	19.6				
200	11	1	4423	2505	1582	952	741	26.0	13.4	1595	1897	STRW.050 200 11 /133 /ACO	
		2	4821	2730	1725	1037	807	30.0	14.8				
		3	6270	3551	2243	1349	1050	46.5	24.0				
	16	1	5667	3210	2028	1220	868	26.0	13.2	1918	2220	STRW.050 200 16 /133 /ACO	
		2	5971	3382	2137	1285	914	30.0	14.7				
		3	8618	4881	3083	1855	1320	47.1	23.5				
240	11	1	5238	2967	1874	1127	877	26.0	14.8	1973	2275	STRW.050 240 11 /133 /ACO	
		2	5738	3250	2053	1235	961	30.0	16.6				
		3	7648	4331	2736	1646	1281	47.2	28.0				
	16	1	6916	3917	2475	1488	1059	26.0	16.4	2392	2694	STRW.050 240 16 /133 /ACO	
		2	7168	4060	2565	1543	1098	30.0	17.7				
		3	10512	5953	3761	2262	1610	48.1	29.7				
280	11	1	5977	3385	2138	1286	956	26.0	16.2	2154	2456	STRW.050 280 11 /133 /ACO	
		2	6599	3737	2361	1420	1056	30.0	18.6				
		3	8790	4978	3145	1892	1406	47.8	31.4				
	16	1	8166	4625	2922	1757	1250	26.0	19.3	2647	2949	STRW.050 280 16 /133 /ACO	
		2	8348	4728	2987	1797	1278	30.0	20.4				
		3	12406	7026	4439	2670	1900	48.9	34.5				

### OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Output measured in accordance with EN 16430

Standard colour: 133 (traffic white RAL 9016)  
or 001 (sandblast grey)  
Other colours see Jaga colour chart



Tip: For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)

# OUTPUTS STRADA HYBRID

## HEIGHT 065

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE			
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts								
065	060	11	1	1142	647	409	246	177	26.0	4.8	734	843	STRW.065 060 11 /133 /ACO			
			2	1223	693	438	263	189	30.0	5.4						
			3	1447	819	518	311	224	40.0	6.8						
		16	1	1400	793	501	301	198	26.0	4.8				814	923	STRW.065 060 16 /133 /ACO
			2	1503	851	538	323	213	30.0	5.5						
			3	1989	1126	712	428	282	41.1	7.2						
	080	11	1	1648	933	589	355	255	26.0	6.3	832	941	STRW.065 080 11 /133 /ACO			
			2	1770	1002	633	381	274	30.0	6.8						
			3	2136	1210	764	460	331	41.8	9.1						
		16	1	2040	1156	730	439	289	26.0	6.0				938	1047	STRW.065 080 16 /133 /ACO
			2	2188	1239	783	471	310	30.0	6.7						
			3	2936	1663	1050	632	416	42.4	9.0						
	100	11	1	2136	1210	764	460	331	26.0	7.8	976	1149	STRW.065 100 11 /133 /ACO			
			2	2301	1303	823	495	357	30.0	8.7						
			3	2825	1600	1011	608	438	43.0	12.2						
		16	1	2630	1490	941	566	373	26.0	7.0				1121	1294	STRW.065 100 16 /133 /ACO
			2	2817	1595	1008	606	399	30.0	7.7						
			3	3883	2199	1389	836	550	44.1	10.7						
120	11	1	2612	1479	935	562	405	26.0	8.9	1077	1250	STRW.065 120 11 /133 /ACO				
		2	2822	1598	1010	607	437	30.0	9.9							
		3	3514	1990	1257	756	544	44.0	14.8							
	16	1	3242	1836	1160	698	459	26.0	8.7				1241	1414	STRW.065 120 16 /133 /ACO	
		2	3472	1966	1242	747	492	30.0	9.8							
		3	4830	2735	1728	1039	684	44.8	14.3							
140	11	1	3077	1743	1101	662	477	26.0	10.1	1175	1348	STRW.065 140 11 /133 /ACO				
		2	3333	1887	1192	717	516	30.0	11.2							
		3	4203	2380	1504	904	651	44.8	17.5							
	16	1	3844	2177	1376	827	544	26.0	9.6				1358	1531	STRW.065 140 16 /133 /ACO	
		2	4117	2332	1473	886	583	30.0	10.5							
		3	5777	3272	2067	1243	818	45.4	14.4							
160	11	1	3533	2001	1264	760	547	26.0	11.0	1425	1598	STRW.065 160 11 /133 /ACO				
		2	3835	2172	1372	825	594	30.0	12.4							
		3	4892	2771	1750	1053	758	45.5	19.2							
	16	1	4418	2502	1581	951	626	26.0	11.5				1666	1839	STRW.065 160 16 /133 /ACO	
		2	4717	2671	1688	1015	668	30.0	12.8							
		3	6724	3808	2406	1447	952	46.4	19.6							
200	11	1	4423	2505	1582	952	685	26.0	13.4	1636	1938	STRW.065 200 11 /133 /ACO				
		2	4821	2730	1725	1037	747	30.0	14.8							
		3	6270	3551	2243	1349	971	46.5	24.0							
	16	1	5667	3210	2028	1220	803	26.0	13.2				1965	2267	STRW.065 200 16 /133 /ACO	
		2	5971	3382	2137	1285	846	30.0	14.7							
		3	8618	4881	3083	1855	1221	47.1	23.5							
240	11	1	5238	2967	1874	1127	812	26.0	14.8	2023	2325	STRW.065 240 11 /133 /ACO				
		2	5738	3250	2053	1235	889	30.0	16.6							
		3	7648	4331	2736	1646	1185	47.2	28.0							
	16	1	6916	3917	2475	1488	980	26.0	16.4				2451	2753	STRW.065 240 16 /133 /ACO	
		2	7168	4060	2565	1543	1015	30.0	17.7							
		3	10512	5953	3761	2262	1489	48.1	29.7							
280	11	1	5977	3385	2138	1286	885	26.0	16.2	2211	2513	STRW.065 280 11 /133 /ACO				
		2	6599	3737	2361	1420	977	30.0	18.6							
		3	8790	4978	3145	1892	1301	47.8	31.4							
	16	1	8166	4625	2922	1757	1156	26.0	19.3				2710	3012	STRW.065 280 16 /133 /ACO	
		2	8348	4728	2987	1797	1182	30.0	20.4							
		3	12406	7026	4439	2670	1757	48.9	34.5							

Output measured in accordance with EN 16430

Standard colour: 133 (traffic white RAL 9016)  
or 001 (sandblast grey)  
Other colours see Jaga colour chart

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.



Tip: For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)

# OUTPUTS STRADA HYBRID

## HEIGHT 095

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts					
095	060	11	1	1142	647	409	246	148	26.0	4.8	762	871	STRW.095 060 11 /133 /ACO
			2	1223	693	438	263	159	30.0	5.4			
			3	1447	819	518	311	188	40.0	6.8			
	16	1	1400	793	501	301	166	26.0	4.8	847	956	STRW.095 060 16 /133 /ACO	
		2	1503	851	538	323	178	30.0	5.5				
		3	1989	1126	712	428	236	41.1	7.2				
080	11	11	1	1648	933	589	355	214	26.0	6.3	864	973	STRW.095 080 11 /133 /ACO
			2	1770	1002	633	381	230	30.0	6.8			
			3	2136	1210	764	460	277	41.8	9.1			
	16	1	2040	1156	730	439	242	26.0	6.0	978	1087	STRW.095 080 16 /133 /ACO	
		2	2188	1239	783	471	260	30.0	6.7				
		3	2936	1663	1050	632	348	42.4	9.0				
100	11	11	1	2136	1210	764	460	277	26.0	7.8	1019	1192	STRW.095 100 11 /133 /ACO
			2	2301	1303	823	495	299	30.0	8.7			
			3	2825	1600	1011	608	367	43.0	12.2			
	16	1	2630	1490	941	566	312	26.0	7.0	1172	1345	STRW.095 100 16 /133 /ACO	
		2	2817	1595	1008	606	334	30.0	7.7				
		3	3883	2199	1389	836	461	44.1	10.7				
120	11	11	1	2612	1479	935	562	339	26.0	8.9	1125	1298	STRW.095 120 11 /133 /ACO
			2	2822	1598	1010	607	366	30.0	9.9			
			3	3514	1990	1257	756	456	44.0	14.8			
	16	1	3242	1836	1160	698	385	26.0	8.7	1298	1471	STRW.095 120 16 /133 /ACO	
		2	3472	1966	1242	747	412	30.0	9.8				
		3	4830	2735	1728	1039	573	44.8	14.3				
140	11	11	1	3077	1743	1101	662	399	26.0	10.1	1234	1407	STRW.095 140 11 /133 /ACO
			2	3333	1887	1192	717	433	30.0	11.2			
			3	4203	2380	1504	904	546	44.8	17.5			
	16	1	3844	2177	1376	827	456	26.0	9.6	1426	1599	STRW.095 140 16 /133 /ACO	
		2	4117	2332	1473	886	489	30.0	10.5				
		3	5777	3272	2067	1243	685	45.4	14.4				

### OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Output measured in accordance with EN 16430

Standard colour: 133 (traffic white RAL 9016)  
or 001 (sandblast grey)  
Other colours see Jaga colour chart



**Tip:** For all other dimensions, see [www.jaga.com/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/Products/Horizontal/Strada/hybrid-ACO)





# jaga

CLIMATE DESIGNERS

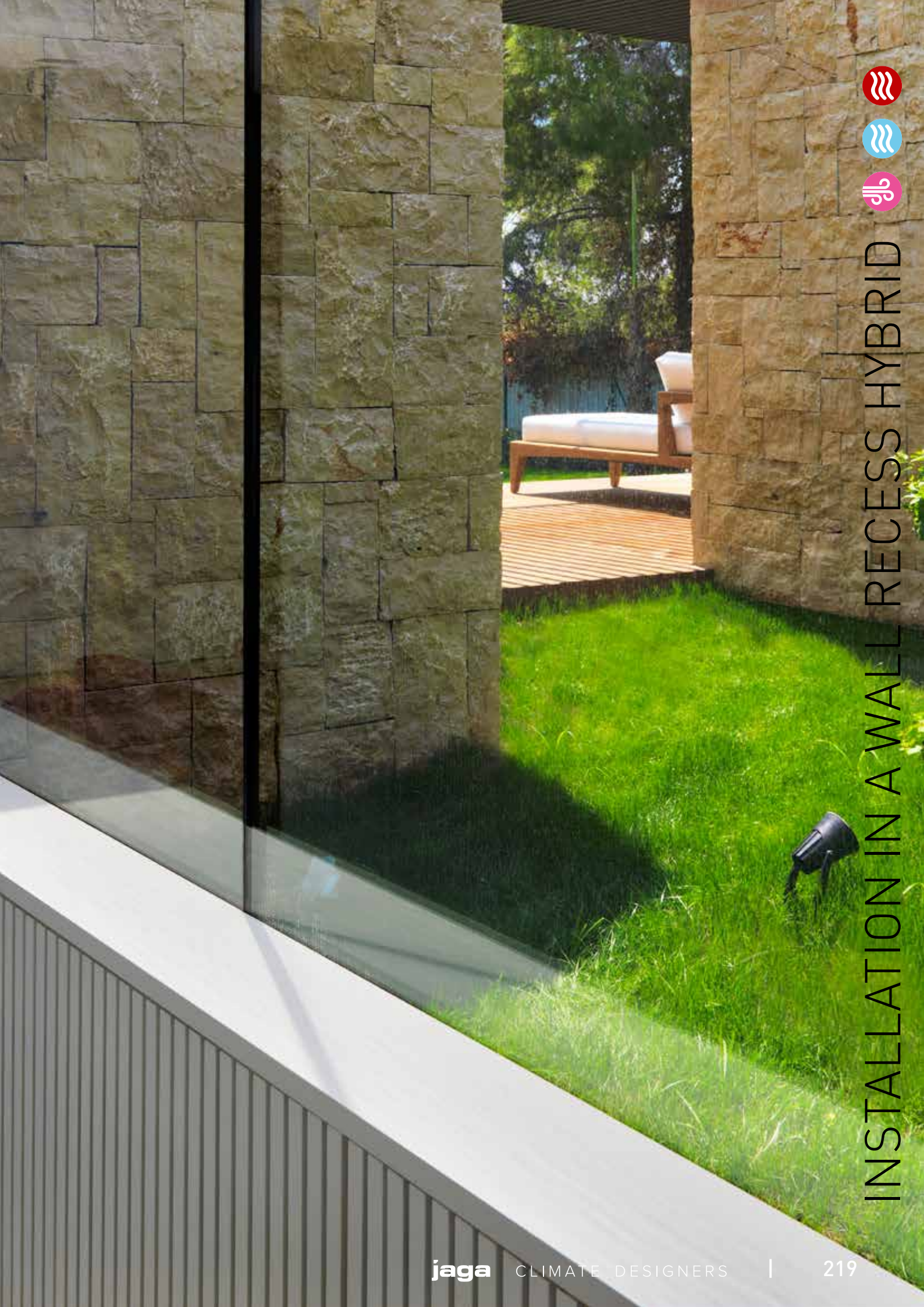
## INSTALLATION IN A WALL RECESS HYBRID

Compact built-in heating unit  
for heating or heating + cooling

- **Efficient and effortless heating with the lowest water temperature**  
Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature and as efficiently as possible.**

Also  
suitable for  
Jaga Light  
cooling





INSTALLATION IN A WALL RECESS HYBRID



Installation in a wall recess Hybrid T16  
H30 x L120  
● 55/45/20: 2735 Watts  
● 16/18/27: 740 Watts

# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATING UNIT

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- by default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

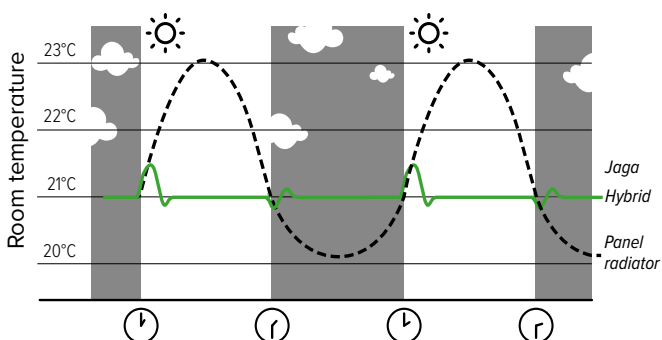
Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Strada Hybrid anticipates this and accurately controls the temperature in all circumstances.

### Jaga light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

**More than ever, the responsiveness determines your energy consumption and your comfort.**

## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



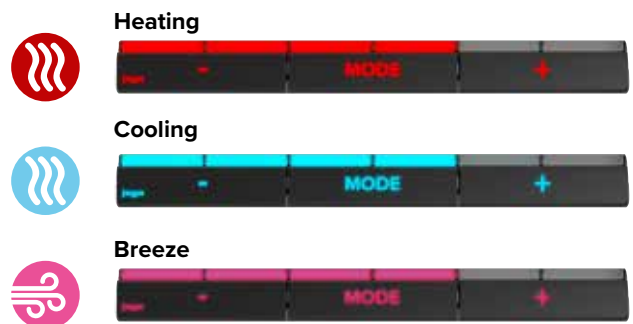
## MULTIFUNCTIONAL INTELLIGENCE

### Auto-change-over mode (Standard)

You do not have to do anything at all to switch between heating and cooling down. Due to its accurate room – and water temperature sensors, the hybrid is fully automated. To achieve the requested temperature you can set 3 different fan speeds, depending on the room where the heating unit is located: bedroom mode max. 26 dB(A), comfort mode max. 30 dB(A) or maximum mode for rapid heating and cooling.

### With breeze feature

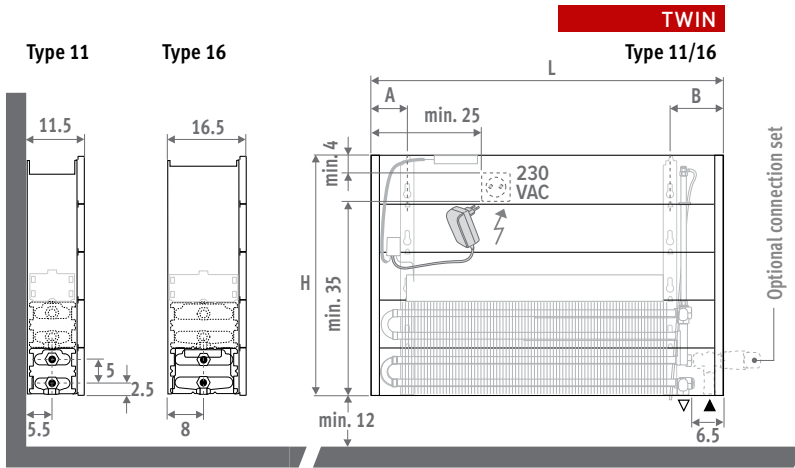
The Hybrid heater's DBH system can also be activated if there is no cooling water, so without a heat pump. The vicinity of the heater can already feel less warm with just the air movement of the fans.



# INSTALLATION IN A WALL RECESS HYBRID



## DIMENSIONS (in cm)



## ORDER CODE

Code	Height	Length	Type
BIWW . 030	060	11	/ACO

## GUIDELINES FOR INSTALLATION

Set up the boxes so that the heat exchanger remains accessible for an annual cleaning service.

The outputs indicated are based on a free air flow of 75% of the depth. If the free opening is smaller, a correction factor must be applied to calculate the heat output.

% Free air flow	Correction factor
75	1.00
60	0.96
50	0.92
40	0.84
30	0.66

## DELIVERY

Light and easily installed by one person. Delivered flat packed in 2 packages for ease of handling and storage.

### Standard delivery:

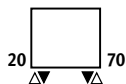
- Low-H<sub>2</sub>O heat exchanger with wall brackets and fixing kit
- air vent elbow (standard) or extended air vent (twin) 1/8" and drain plug 1/2"
- separation wall dark grey lacquered (not suitable as finished casing)
- Easy to install DBH-unit with operation, control and 24VDC power supply
- clear installation instructions

⚠ This heater is not equipped with a condensation monitor. It has to be integrated into the installation. (only for cooling)

## CONNECTION

### Standard connection

bottom end left or right



## ELECTRICAL CONNECTION

For the DBH system an available socket is required. At a height of 50, 65 and 95 cm a 230V socket or a 24V power cable can be placed inside the unit. At height of 35 cm, only a power cable can be placed inside the casing or an outlet next to the unit. Do not connect the electrical and hydraulic connections on the same side of the coil.

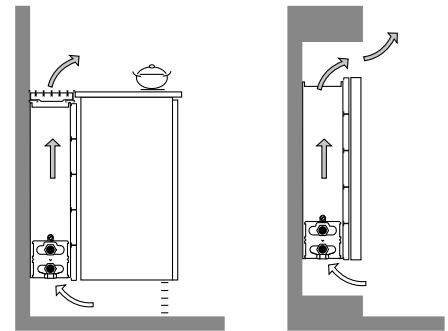
## HYDRAULIC CONNECTION

### Heating

Supply/ return left or right bottom towards the back or downwards

### Heating and cooling

The same connections and valve sets can be used for heating and cooling as for single heating. For the valve sets, use the version with the Heimeier thermostat head HC for heating and cooling or the version with a manual valve. It doesn't get any simpler!



# OUTPUTS INSTALLATION IN A WALL RECESS HYBRID

HEIGHT 030 - 050 - 070

DIMENSIONS			HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE	ELECTRIC POWER CONSUMPTION	PRICE				ORDER CODE
H	L	B								H030	H040	H050	H060	
cm	cm	cm	75/65	55/45	45/35	35/30	16/18	dB(A)	W	€	€	€	€	
	POSITION		Watts	Watts	Watts	Watts	Watts							
HHH 060	11	1	1142	647	409	246	191	26.0	4.8	592	602	611	622	BIWW.HHH 060 11 /ACO
		2	1223	693	438	263	205	30.0	5.4					
		3	1447	819	518	311	242	40.0	6.8					
	16	1	1400	793	501	301	214	26.0	4.8	652	665	678	688	BIWW.HHH 060 16 /ACO
		2	1503	851	538	323	230	30.0	5.5					
		3	1989	1126	712	428	305	41.1	7.2					
HHH 080	11	1	1648	933	589	355	276	26.0	6.3	674	683	697	711	BIWW.HHH 080 11 /ACO
		2	1770	1002	633	381	296	30.0	6.8					
		3	2136	1210	764	460	358	41.8	9.1					
	16	1	2040	1156	730	439	312	26.0	6.0	757	771	786	797	BIWW.HHH 080 16 /ACO
		2	2188	1239	783	471	335	30.0	6.7					
		3	2936	1663	1050	632	450	42.4	9.0					
HHH 100	11	1	2136	1210	764	460	358	26.0	7.8	806	823	836	854	BIWW.HHH 100 11 /ACO
		2	2301	1303	823	495	385	30.0	8.7					
		3	2825	1600	1011	608	473	43.0	12.2					
	16	1	2630	1490	941	566	403	26.0	7.0	931	946	963	978	BIWW.HHH 100 16 /ACO
		2	2817	1595	1008	606	431	30.0	7.7					
		3	3883	2199	1389	836	595	44.1	10.7					
HHH 120	11	1	2612	1479	935	562	437	26.0	8.9	882	900	917	935	BIWW.HHH 120 11 /ACO
		2	2822	1598	1010	607	473	30.0	9.9					
		3	3514	1990	1257	756	589	44.0	14.8					
	16	1	3242	1836	1160	698	496	26.0	8.7	1019	1039	1058	1075	BIWW.HHH 120 16 /ACO
		2	3472	1966	1242	747	532	30.0	9.8					
		3	4830	2735	1728	1039	740	44.8	14.3					
HHH 140	11	1	3077	1743	1101	662	515	26.0	10.1	964	986	1007	1031	BIWW.HHH 140 11 /ACO
		2	3333	1887	1192	717	558	30.0	11.2					
		3	4203	2380	1504	904	704	44.8	17.5					
	16	1	3844	2177	1376	827	589	26.0	9.6	1119	1146	1168	1188	BIWW.HHH 140 16 /ACO
		2	4117	2332	1473	886	630	30.0	10.5					
		3	5777	3272	2067	1243	885	45.4	14.4					
HHH 160	11	1	3533	2001	1264	760	592	26.0	11.0	1179	1201	1223	1250	BIWW.HHH 160 11 /ACO
		2	3835	2172	1372	825	642	30.0	12.4					
		3	4892	2771	1750	1053	819	45.5	19.2					
	16	1	4418	2502	1581	951	676	26.0	11.5	1386	1413	1439	1461	BIWW.HHH 160 16 /ACO
		2	4717	2671	1688	1015	722	30.0	12.8					
		3	6724	3808	2406	1447	1030	46.4	19.6					
HHH 200	11	1	4423	2505	1582	952	741	26.0	13.4	1352	1379	1410	1442	BIWW.HHH 200 11 /ACO
		2	4821	2730	1725	1037	807	30.0	14.8					
		3	6270	3551	2243	1349	1050	46.5	24.0					
	16	1	5667	3210	2028	1220	868	26.0	13.2	1640	1673	1703	1734	BIWW.HHH 200 16 /ACO
		2	5971	3382	2137	1285	914	30.0	14.7					
		3	8618	4881	3083	1855	1320	47.1	23.5					
HHH 240	11	1	5238	2967	1874	1127	877	26.0	14.8	1661	1695	1730	1771	BIWW.HHH 240 11 /ACO
		2	5738	3250	2053	1235	961	30.0	16.6					
		3	7648	4331	2736	1646	1281	47.2	28.0					
	16	1	6916	3917	2475	1488	1059	26.0	16.4	2038	2078	2115	2147	BIWW.HHH 240 16 /ACO
		2	7168	4060	2565	1543	1098	30.0	17.7					
		3	10512	5953	3761	2262	1610	48.1	29.7					
HHH 280	11	1	5977	3385	2138	1286	956	26.0	16.2	1811	1851	1891	1936	BIWW.HHH 280 11 /ACO
		2	6599	3737	2361	1420	1056	30.0	18.6					
		3	8790	4978	3145	1892	1406	47.8	31.4					
	16	1	8166	4625	2922	1757	1250	26.0	19.3	2254	2301	2342	2381	BIWW.HHH 280 16 /ACO
		2	8348	4728	2987	1797	1278	30.0	20.4					
		3	12406	7026	4439	2670	1900	48.9	34.5					

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

### Cooling capacity correction factors for types 11, 16 and 21

Height	Correction factor
30-50	1.00
60	0.90

Output measured in accordance with EN 16430

Fill out the code for height  
030 - 040 - 050 - 060

**i** Tip: For all other dimensions, see [www.jaga.com](http://www.jaga.com)

# jaga

CLIMATE DESIGNERS

## MINI FREESTANDING HYBRID

Unobtrusive Hercules.

- For spaces with large windows, glazed façades, for window displays, conservatories, under window seats and for dwarf walls.
- Equipped as standard with pipe work guard.
- No wasteful heat loss from radiation through glazing.
- Stable one-piece casing.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- Twin Power for better compensation of the downward cold air flow next to glazed façades or ventilation grilles.
- Safe surface temperature.
- **A 30 year guarantee** on the heat exchanger.







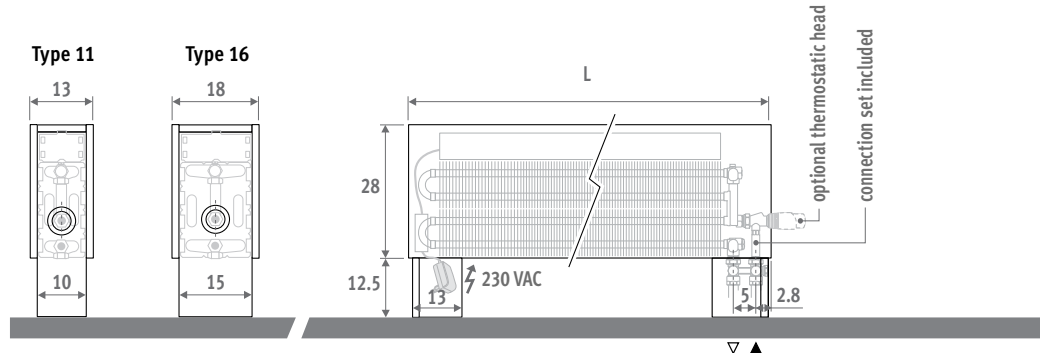
# MINI FREESTANDING HYBRID



# MINI FREESTANDING HYBRID

## DIMENSIONS (in cm)

Connection set included



## DELIVERY

Easy to install.

Standard delivery:

- pre-assembled radiator on integrated feet, consisting of a one piece casing, feet with pipe guard, DBH set incl. operation, control and power supply 24 VDC
- detachable grille
- Jaga thermostatic H-valve and sleeve couplings. Connections 3/4" Eurocone in the foot, left or right.
- straight air vent 1/8"
- collar in stainless steel effect for the connection side

## COLOURS

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

## OPTIONS

### Thermostatic heads



Surcharge Thermostatic head	€
.../AC Heating	52
.../AS Heating	42
.../AW Heating	35
.../JW Heating	42
.../HC Heating and cooling	88
.../MA Heating and cooling	5,40

DIMENSIONS	POSITION	HEATING Room temperature 20°C				COOLING Room temperature 27°C	SOUND PRESSURE dB(A)	ELECTRIC POWER CONSUMPTION W	PRICE Standard colours €	PRICE Other colours €	ORDER CODE	
		L cm	B cm	75/65 Watt	55/45 Watt	45/35 Watt						35/30 Watt
081	11	1	1648	933	589	355	276	26.0	6.3	1257	1366	MIFH.02808111.XXX/X/00/...
		2	1770	1002	633	381	296	30.0	6.8			
		3	2136	1210	764	460	358	41.8	9.1			
	16	1	2040	1156	730	439	312	26.0	6.0	1355	1464	MIFH.02808116.XXX/X/00/...
		2	2188	1239	783	471	335	30.0	6.7			
		3	2936	1663	1050	632	450	42.4	9.0			
101	11	1	2136	1210	764	460	358	26.0	7.8	1360	1533	MIFH.02810111.XXX/X/00/...
		2	2301	1303	823	495	385	30.0	8.7			
		3	2825	1600	1011	608	473	43.0	12.2			
	16	1	2630	1490	941	566	403	26.0	7.0	1527	1700	MIFH.02810116.XXX/X/00/...
		2	2817	1595	1008	606	431	30.0	7.7			
		3	3883	2199	1389	836	595	44.1	10.7			
121	11	1	2612	1479	935	562	437	26.0	8.9	1519	1692	MIFH.02812111.XXX/X/00/...
		2	2822	1598	1010	607	473	30.0	9.9			
		3	3514	1990	1257	756	589	44.0	14.8			
	16	1	3242	1836	1160	698	496	26.0	8.7	1657	1830	MIFH.02812116.XXX/X/00/...
		2	3472	1966	1242	747	532	30.0	9.8			
		3	4830	2735	1728	1039	740	44.8	14.3			
141	11	1	3077	1743	1101	662	515	26.0	10.1	1690	1863	MIFH.02814111.XXX/X/00/...
		2	3333	1887	1192	717	558	30.0	11.2			
		3	4203	2380	1504	904	704	44.8	17.5			
	16	1	3844	2177	1376	827	589	26.0	9.6	1825	1998	MIFH.02814116.XXX/X/00/...
		2	4117	2332	1473	886	630	30.0	10.5			
		3	5777	3272	2067	1243	885	45.4	14.4			
181	11	1	4031	2283	1442	867	675	26.0	12.2	1935	2108	MIFH.02818111.XXX/X/00/...
		2	4376	2478	1566	942	733	30.0	13.7			
		3	5581	3161	1997	1201	935	46.0	22			
	16	1	4843	2743	1733	1042	686	26.0	11.5	2052	2225	MIFH.02818116.XXX/X/00/...
		2	5171	2929	1850	1113	733	30.0	12.8			
		3	7371	4175	2637	1586	1045	46.4	19.6			
241	11	1	5238	2967	1874	1127	877	26.0	14.8	2427	2729	MIFH.02824111.XXX/X/00/...
		2	5738	3250	2053	1235	961	30.0	16.6			
		3	7648	4331	2736	1646	1281	47.2	28.0			
	16	1	6916	3917	2475	1488	1059	26.0	16.4	2651	2953	MIFH.02824116.XXX/X/00/...
		2	7168	4060	2565	1543	1098	30.0	17.7			
		3	10512	5953	3761	2262	1610	48.1	29.7			

fill in colour code  
C (Crossflow H-block) or S (H-block)  
enter code thermostatic head  
fill in sleeve coupling code  
Precision metal tube 15/1 **115**  
Precision metal tube 16/1 **116**  
RPE/ALU tube 16/2 **616**  
RPE/ALU tube 20/2 **620**  
(other sleeve couplings:  
see "Connection sets and Valves Low-H<sub>2</sub>O")



# jaga

CLIMATE DESIGNERS

## DBH UPGRADE SET

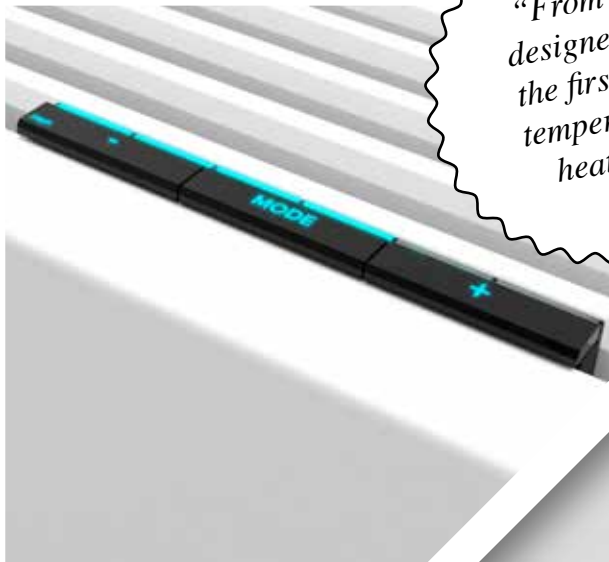
The easiest way to an environmentally friendly HVAC installation

- **switch to low temperature heating with heat pump or low temperature boiler**
- **suitable for environmentally friendly light cooling (non-condensing)**
- **with breeze feature**
- **easy installation on all Jaga Low-H<sub>2</sub>O heating units**

The DBH Upgrade set is a booster that was specially developed for Jaga Low-H<sub>2</sub>O heating units in order to increase the power and to enable low energy consumption cooling. This set makes it possible to greatly reduce the water temperature of your C.V. installation without having to install larger heating units or having to modify the pipes. Upgrading your existing Jaga heating units with the DBH set is the easiest option towards a low temperature installation or an emission-free heat pump installation for both heating and light cooling.

Also suitable for Jaga light cooling

“From the designers of the first low temperature heater.”





ERS

**DBH**  

DBH UPGRADE SET

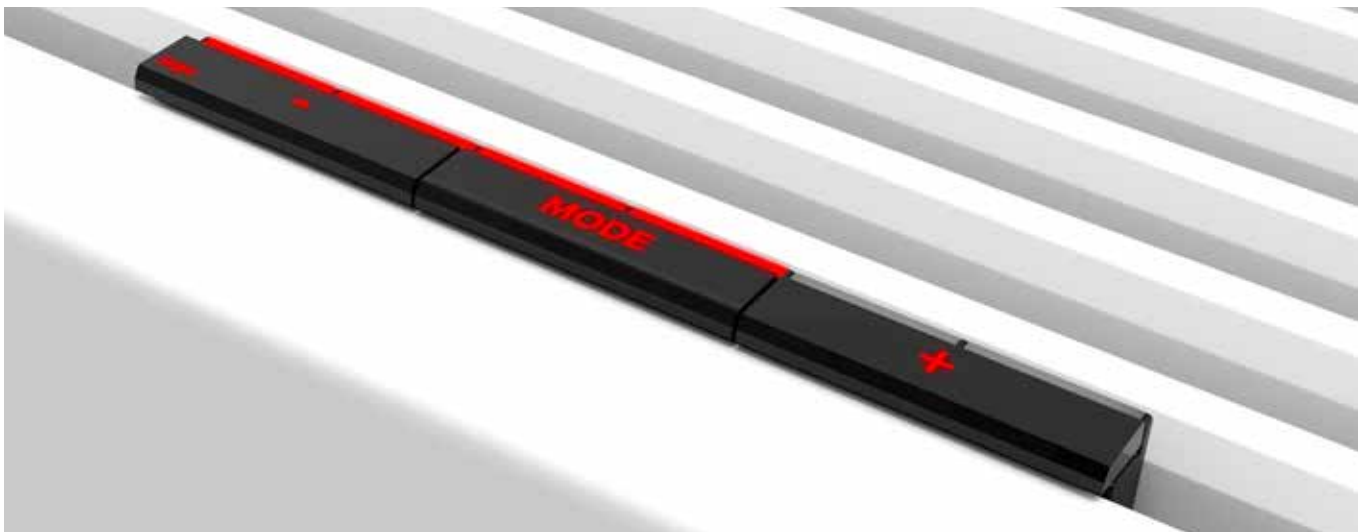


# TURN YOUR STANDARD JAGA HEATING UNIT INTO AN ENVIRONMENTALLY FRIENDLY POWERHOUSE

- **Efficient and effortless heating with the lowest water temperature**
- **Energy-efficient non-condensing cooling in combination with any heat pump that can supply cooling water**
- **Improves the seasonal efficiency of each heat pump**
- **Makes sure that the condensing boilers are operating at their lowest temperature and as efficiently as possible.**



## MULTIFUNCTIONAL INTELLIGENCE



### DBH SWITCHES FULLY AUTOMATICALLY BETWEEN HEATING AND LIGHT COOLING

#### Auto-change-over mode (standard)

You do not have to do anything at all to switch between heating and cooling down. Due to its accurate room – and water temperature sensors, the hybrid is fully automated. To achieve the requested temperature you can set 3 different fan speeds, depending on the room where the heating unit is located: bedroom

mode max. 26 dB(A), comfort mode max. 30 dB(A) or maximum mode for rapid heating and cooling.

#### With breeze feature

The Hybrid heater's DBH system can also be activated if there is no cooling water, so without a heat pump. The vicinity of the heater can already feel less warm with just the air movement of the fans.

# A RENOVATION EXAMPLE BEFORE / AFTER

## BEFORE

Heating only



Strada H50 L100 Type 11



### OUTPUTS WITHOUT DBH

TEMP. PROFILE	
<b>75/65</b>	<b>1386 WATTS</b>
<b>55/45</b>	<b>665 WATTS</b>
<b>45/35</b>	<b>388 WATTS</b>

## AFTER

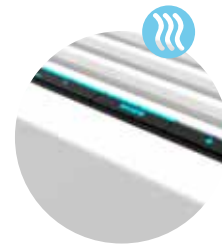
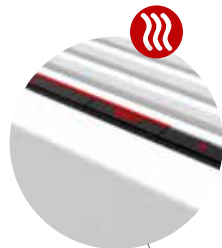
Heating

+

Breeze

+

Cooling



Light cooling®  
for all heat pumps  
with cooling function

Strada H50 L100 Type 11 + DBH set type 10



Click on  
DBH-units

### OUTPUT WITH DBH

TEMP. PROFILE	POSITION 2 POSITION 3	
	<b>55/45</b>	<b>1303 WATTS</b>
<b>45/35</b>	<b>823 WATTS</b>	<b>1011 WATTS</b>
<b>35/30</b>	<b>495 WATTS</b>	<b>608 WATTS</b>

### COOLING WITH DBH

**473 WATTS**  
at temp. profile  
16/18/27°

Also suitable  
for Jaga light  
cooling

# DBH UPGRADE CONFIGURATOR

## FOR WHICH RADIATORS?



Almost all Jaga Low-H<sub>2</sub>O heating units can be equipped with the DBH Upgrade set:  
Strada, Linea Plus, Tempo, Installation in a wall recess  
For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)

## HOW DO I CHOOSE THE RIGHT SET?

Measure the width and length of your Low-H<sub>2</sub>O heating unit.  
Thickness 11,5 cm = DBH unit 10  
Thickness 16,5 cm en 21,5 cm = DBH unit 15  
The length of the cover determines how long the DBH-set should be.

### DBH UNIT 10

- Suitable for type 10 and 11:
- Strada
  - Linea Plus
  - Tempo
  - Installation in a wall recess



### DBH UNIT 15

- Suitable for type 15,16, 20 and 21:
- Strada
  - Linea Plus
  - Tempo
  - Installation in a wall recess



TYPE 10

TYPE 11



TYPE 15

TYPE 16

TYPE 20

TYPE 21

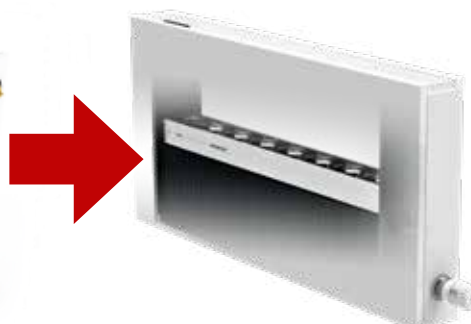
## REPLACEMENT OF OTHER HEATING UNITS

Regular panel heaters are not suitable for a DBH- upgrade. You can, however, replace it with a Jaga heating unit that has same dimensions as the old heating unit. This way you can switch to a heating unit that is powerful enough to run at lower water temperatures without losing space to an extra or a larger heating unit.  
For all info on Strada Hybrid (incl. DBH system) see [www.jaga.com/en/Products/Horizontal/Strada/hybrid-ACO](http://www.jaga.com/en/Products/Horizontal/Strada/hybrid-ACO)

75/65



55/45





# EASY INSTALLATION

## OPERATION OF THE DBH SYSTEM

### Standard Auto-change-over mode

The desired room temperature is set via a room thermostat or the heating unit's thermostat head. The DBH set has accurate sensors for both the room and water temperature. DBH automatically switches between standby / heating / cooling based on the measured values.

- suitable for heating or heating and cooling with the thermostat head HC or the manual button MA.
- noise level monitoring, officially measured according to ISO 3741: 2010
- With breeze feature for a fan effect, does not depend on the water temperature.
- Colored LEDs indicate the feature and the fan speed.

⚠ Het DBH-systeem zal niet de warmtepomp of de boiler regelen en kan daarom niet vervangen worden voor een thermostaat.

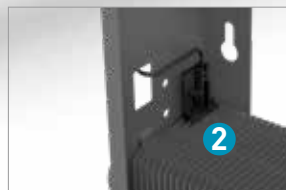


## NEGLIGIBLE ELECTRICITY CONSUMPTION

The DBE system is no fan convector, and certainly not an electric radiator! In operation, the electricity consumption is no more than 7 watts/metre. The annual consumption is negligible and is more than compensated by the energy efficiency of the Low-H<sub>2</sub>O technology in the radiator.



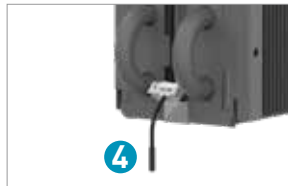
Stick the controller against the console.



Click the water temperature sensor on the coil.



Connect the DBH unit to the controller and click it on the coil



Fix the room temperature sensor.



Put the cover back on the heating unit, but without the grille. Place the controls on the front panel.



Put the plug in the wall socket and put the grille back on the heating unit

## NOISE AND POWER ACCORDING TO THE LATEST EUROPEAN STANDARDS

The heat output of Jaga radiators with DBH was measured according to the latest European standards regarding heating units with integrated fans. Jaga is one of the first to comply with the new reference standard **EN 16430**. The sound power (L<sub>w</sub>) of the DBH is measured in accordance with **ISO 3741:2010**. As is customary for the sound pressure (L<sub>p</sub>), room attenuation of 8 dB(A) is assumed for room content of 100 m<sup>3</sup> and a reverberation time of 0.5 sec.

## HOW TO SELECT DBH?

DBH is selected in **comfort mode, position 2** in bold in the output tables. This guarantees a quiet operation at a maximum of 30 dB(A). Position 1 is an extremely quiet bedroom setting with a maximum of 26 dB(A). Position 3 provides a maximum boost and the very high output serves primarily to heat up and cool down a room as quickly as possible. In this mode the noise is between 42 and 46 dB(A).

### How loud is a decibel?

dB(A)	Perception	Examples
10	hardly to hear	breathing, a falling leaf
20	just audible	radio studio, rustling of tree leaves
30	very quiet	library (30 to 40), whispering
40	quiet	living room, quiet classroom, soft buzz, fridge
50	limited sound	air conditioning, normal conversation, dishwasher

# DBH SET 10 + LOW-H<sub>2</sub>O TYPE 10 / TYPE 11

TYPE 10      TYPE 11



## STANDARD DELIVERY

- DBH unit(s)
- control board with microcontroller and remote control
- AC adapter 230V/ 24VDC

## OUTPUT EXPLANATION

### HEATING CAPACITY

Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

### COOLING CAPACITY

The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

### Cooling capacity correction factors for types 11, 16 and 21

Height	Correction factor
20-30-40-50	1.00
60	0.95
65	0.92
70	0.90
80	0.85
90	0.80
95	0.77
100	0.75

## DBH SET 10

## WATTS WITH TYPE 10

## WATTS WITH TYPE 11

DBHS.	LENGTH RADIATOR DBH UNIT		POSITION	SOUND PRESSURE dB(A)	ELECTRICITY CONSUMPTION W	€	HEATING Room temperature 20°C			COOLING Room temperature 27°C		HEATING Room temperature 20°C			COOLING Room temperature 27°C	
	LLL	BB /ACO					Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	Watts	
DBHS. 050	10	/ACO	1	26.0	3.6	293	371	237	144	90	54	499	315	190	148	91
			2	<b>30.0</b>	<b>4.1</b>	<b>398</b>	<b>253</b>	<b>154</b>	<b>96</b>	<b>58</b>	<b>534</b>	<b>337</b>	<b>203</b>	<b>158</b>	<b>97</b>	
			3	38.8	5.1	465	296	180	113	68	624	394	237	185	113	
DBHS. 060	10	/ACO	1	26.0	4.8	321	482	307	186	117	70	647	409	246	191	117
			2	<b>30.0</b>	<b>5.4</b>	<b>516</b>	<b>329</b>	<b>199</b>	<b>125</b>	<b>75</b>	<b>693</b>	<b>438</b>	<b>263</b>	<b>205</b>	<b>125</b>	
			3	40.0	6.8	610	389	236	148	89	819	518	311	242	148	
DBHS. 070	10	/ACO	1	26.0	5.5	329	589	375	228	143	86	791	500	301	234	143
			2	<b>30.0</b>	<b>5.9</b>	<b>632</b>	<b>403</b>	<b>244</b>	<b>153</b>	<b>92</b>	<b>849</b>	<b>536</b>	<b>322</b>	<b>251</b>	<b>154</b>	
			3	41.0	7.9	756	481	292	183	110	1015	641	386	300	184	
DBHS. 080	10	/ACO	1	26.0	6.3	342	695	443	269	168	101	933	589	355	276	169
			2	<b>30.0</b>	<b>6.8</b>	<b>746</b>	<b>475</b>	<b>289</b>	<b>181</b>	<b>109</b>	<b>1002</b>	<b>633</b>	<b>381</b>	<b>296</b>	<b>181</b>	
			3	41.8	9.1	901	574	348	218	132	1210	764	460	358	219	
DBHS. 090	10	/ACO	1	26.0	6.7	411	799	509	309	193	117	1072	678	408	317	194
			2	<b>30.0</b>	<b>7.4</b>	<b>859</b>	<b>547</b>	<b>332</b>	<b>208</b>	<b>125</b>	<b>1154</b>	<b>729</b>	<b>438</b>	<b>341</b>	<b>209</b>	
			3	42.4	10.3	1046	666	405	253	153	1405	887	534	415	254	
DBHS. 100	10	/ACO	1	26.0	7.8	422	901	574	348	218	132	1210	764	460	358	219
			2	<b>30.0</b>	<b>8.7</b>	<b>971</b>	<b>618</b>	<b>375</b>	<b>235</b>	<b>142</b>	<b>1303</b>	<b>823</b>	<b>495</b>	<b>385</b>	<b>236</b>	
			3	43.0	12.2	1191	759	461	289	174	1600	1011	608	473	290	
DBHS. 110	10	/ACO	1	26.0	8.4	448	1011	644	391	245	148	1357	858	516	401	246
			2	<b>30.0</b>	<b>9.3</b>	<b>1089</b>	<b>694</b>	<b>421</b>	<b>264</b>	<b>159</b>	<b>1462</b>	<b>924</b>	<b>556</b>	<b>432</b>	<b>265</b>	
			3	43.5	14.0	1337	852	517	324	195	1795	1134	682	531	325	
DBHS. 120	10	/ACO	1	26.0	8.9	456	1102	702	426	267	161	1479	935	562	437	268
			2	<b>30.0</b>	<b>9.9</b>	<b>1190</b>	<b>758</b>	<b>460</b>	<b>288</b>	<b>174</b>	<b>1598</b>	<b>1010</b>	<b>607</b>	<b>473</b>	<b>289</b>	
			3	44.0	14.8	1482	944	573	359	216	1990	1257	756	589	360	
DBHS. 140	10	/ACO	1	26.0	10.1	487	1298	827	502	314	189	1743	1101	662	515	315
			2	<b>30.0</b>	<b>11.2</b>	<b>1406</b>	<b>895</b>	<b>544</b>	<b>341</b>	<b>205</b>	<b>1887</b>	<b>1192</b>	<b>717</b>	<b>558</b>	<b>342</b>	
			3	44.8	17.5	1773	1129	685	429	259	2380	1504	904	704	431	
DBHS. 160	10	/ACO	1	26.0	11.0	620	1490	949	576	361	218	2001	1264	760	592	362
			2	<b>30.0</b>	<b>12.4</b>	<b>1618</b>	<b>1030</b>	<b>626</b>	<b>392</b>	<b>236</b>	<b>2172</b>	<b>1372</b>	<b>825</b>	<b>642</b>	<b>393</b>	
			3	45.5	19.2	2063	1314	798	500	301	2771	1750	1053	819	501	
DBHS. 180	10	/ACO	1	26.0	12.2	650	1700	1083	657	412	248	2283	1442	867	675	413
			2	<b>30.0</b>	<b>13.7</b>	<b>1845</b>	<b>1176</b>	<b>714</b>	<b>447</b>	<b>269</b>	<b>2478</b>	<b>1566</b>	<b>942</b>	<b>733</b>	<b>449</b>	
			3	46.0	22.0	2354	1499	910	570	344	3161	1997	1201	935	572	
DBHS. 200	10	/ACO	1	26.0	13.4	700	1865	1188	721	452	272	2505	1582	952	741	453
			2	<b>30.0</b>	<b>14.8</b>	<b>2033</b>	<b>1295</b>	<b>786</b>	<b>493</b>	<b>297</b>	<b>2730</b>	<b>1725</b>	<b>1037</b>	<b>807</b>	<b>494</b>	
			3	46.5	24.0	2644	1685	1023	641	386	3551	2243	1349	1050	643	
DBHS. 220	10	/ACO	1	26.0	13.4	747	2038	1298	788	494	297	2736	1729	1040	809	495
			2	<b>30.0</b>	<b>14.8</b>	<b>2226</b>	<b>1418</b>	<b>861</b>	<b>539</b>	<b>325</b>	<b>2990</b>	<b>1889</b>	<b>1136</b>	<b>884</b>	<b>541</b>	
			3	46.9	24.0	2935	1870	1135	711	428	3941	2490	1498	1166	713	
DBHS. 240	10	/ACO	1	26.0	14.8	860	2209	1407	854	535	323	2967	1874	1127	877	537
			2	<b>30.0</b>	<b>16.6</b>	<b>2420</b>	<b>1542</b>	<b>936</b>	<b>586</b>	<b>353</b>	<b>3250</b>	<b>2053</b>	<b>1235</b>	<b>961</b>	<b>588</b>	
			3	47.2	28.0	3225	2055	1247	781	471	4331	2736	1646	1281	784	
DBHS. 260	10	/ACO	1	26.0	16.2	910	2391	1523	925	579	349	3211	2028	1220	950	581
			2	<b>30.0</b>	<b>18.6</b>	<b>2637</b>	<b>1680</b>	<b>1020</b>	<b>639</b>	<b>385</b>	<b>3541</b>	<b>2237</b>	<b>1346</b>	<b>1047</b>	<b>641</b>	
			3	47.8	31.4	3516	2240	1360	852	513	4722	2983	1794	1396	855	
DBHS. 280	10	/ACO	1	26.0	16.2	910	2479	1579	959	588	354	3385	2138	1286	956	585
			2	<b>30.0</b>	<b>18.6</b>	<b>2737</b>	<b>1743</b>	<b>1058</b>	<b>649</b>	<b>391</b>	<b>3737</b>	<b>2361</b>	<b>1420</b>	<b>1056</b>	<b>646</b>	
			3	47.8	31.4	3645	2322	1410	864	521	4978	3145	1892	1406	861	

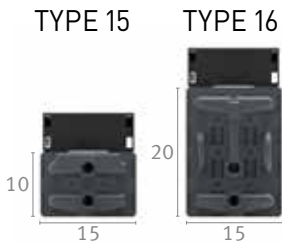
Output measured in accordance with EN 16430

## SUITABLE FOR TYPE 10 & TYPE 11:



For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)

# DBH SET 15 + LOW-H<sub>2</sub>O TYPE 15 / TYPE 16



## STANDARD DELIVERY

- DBH unit(s)
- control board with micro-controller and remote control
- AC adapter 230 V/ 24VDC

## OUTPUT EXPLANATION

**HEATING CAPACITY**  
Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

**COOLING CAPACITY**  
The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

Cooling capacity correction factors for types 11, 16 and 21	
Height	Correction factor
20-30-40-50	1.00
60	0.95
65	0.92
70	0.90
80	0.85
90	0.80
95	0.77
100	0.75

## DBH SET 15

LENGTH RADIATOR	DBH UNIT	POSITION	SOUND PRESSURE dB(A)	ELECTRICITY CONSUMPTION W	€	HEATING room temperature 20°C			COOLING room temperature 27°C		HEATING room temperature 20°C			COOLING room temperature 27°C	
						55/45	45/35	35/30	16/18	20/22	55/45	45/35	35/30	16/18	20/22
DBHS. 050	15 /ACO	1	---	---	---	---	---	---	---	---	---	---	---	---	---
		2	---	---	---	---	---	---	---	---	---	---	---	---	---
		3	---	---	---	---	---	---	---	---	---	---	---	---	---
DBHS. 060	15 /ACO	1	26.0	4.8	326	548	349	212	131	78	793	501	301	214	131
		2	<b>30.0</b>	<b>5.5</b>		<b>588</b>	<b>375</b>	<b>227</b>	<b>140</b>	<b>83</b>	<b>851</b>	<b>538</b>	<b>323</b>	<b>230</b>	<b>141</b>
		3	41.1	7.2		778	496	301	186	110	1126	712	428	305	186
DBHS. 070	15 /ACO	1	26.0	5.1	334	613	390	237	135	80	922	582	350	220	134
		2	<b>30.0</b>	<b>5.6</b>		<b>658</b>	<b>419</b>	<b>254</b>	<b>145</b>	<b>86</b>	<b>990</b>	<b>625</b>	<b>376</b>	<b>236</b>	<b>144</b>
		3	41.1	7.2		871	555	337	192	114	1310	827	498	312	191
DBHS. 080	15 /ACO	1	26.0	6.0	347	798	509	309	190	113	1156	730	439	312	191
		2	<b>30.0</b>	<b>6.7</b>		<b>856</b>	<b>545</b>	<b>331</b>	<b>204</b>	<b>121</b>	<b>1239</b>	<b>783</b>	<b>471</b>	<b>335</b>	<b>205</b>
		3	42.4	9.0		1149	732	444	274	163	1663	1050	632	450	275
DBHS. 090	15 /ACO	1	26.0	7.0	423	914	583	354	218	129	1323	836	503	358	219
		2	<b>30.0</b>	<b>7.7</b>		<b>980</b>	<b>624</b>	<b>379</b>	<b>234</b>	<b>139</b>	<b>1418</b>	<b>896</b>	<b>539</b>	<b>383</b>	<b>235</b>
		3	43.3	10.7		1334	850	516	318	189	1931	1220	734	522	319
DBHS. 100	15 /ACO	1	26.0	7.0	443	1029	656	398	246	146	1490	941	566	403	246
		2	<b>30.0</b>	<b>7.7</b>		<b>1102</b>	<b>702</b>	<b>426</b>	<b>263</b>	<b>156</b>	<b>1595</b>	<b>1008</b>	<b>606</b>	<b>431</b>	<b>264</b>
		3	44.1	10.7		1519	968	588	362	215	2199	1389	836	595	364
DBHS. 110	15 /ACO	1	26.0	7.9	467	1092	696	422	250	148	1614	1020	613	408	250
		2	<b>30.0</b>	<b>8.8</b>		<b>1169</b>	<b>745</b>	<b>452</b>	<b>267</b>	<b>159</b>	<b>1728</b>	<b>1092</b>	<b>657</b>	<b>437</b>	<b>267</b>
		3	44.1	12.5		1612	1027	623	369	219	2382	1505	905	602	368
DBHS. 120	15 /ACO	1	26.0	8.7	475	1269	808	491	303	180	1836	1160	698	496	304
		2	<b>30.0</b>	<b>9.8</b>		<b>1358</b>	<b>865</b>	<b>525</b>	<b>324</b>	<b>192</b>	<b>1966</b>	<b>1242</b>	<b>747</b>	<b>532</b>	<b>325</b>
		3	44.8	14.3		1890	1204	731	451	267	2735	1728	1039	740	453
DBHS. 140	15 /ACO	1	26.0	9.6	505	1504	958	582	359	213	2177	1376	827	589	360
		2	<b>30.0</b>	<b>10.5</b>		<b>1611</b>	<b>1026</b>	<b>623</b>	<b>384</b>	<b>228</b>	<b>2332</b>	<b>1473</b>	<b>886</b>	<b>630</b>	<b>386</b>
		3	45.4	14.4		2261	1440	874	539	320	3272	2067	1243	885	541
DBHS. 160	15 /ACO	1	26.0	11.5	658	1729	1101	669	412	245	2502	1581	951	676	414
		2	<b>30.0</b>	<b>12.8</b>		<b>1846</b>	<b>1176</b>	<b>714</b>	<b>440</b>	<b>261</b>	<b>2671</b>	<b>1688</b>	<b>1015</b>	<b>722</b>	<b>442</b>
		3	46.4	19.6		2631	1676	1018	628	372	3808	2406	1447	1030	630
DBHS. 180	15 /ACO	1	26.0	11.5	697	1850	1179	716	421	250	2743	1733	1042	686	420
		2	<b>30.0</b>	<b>12.8</b>		<b>1975</b>	<b>1258</b>	<b>764</b>	<b>449</b>	<b>266</b>	<b>2929</b>	<b>1850</b>	<b>1113</b>	<b>733</b>	<b>448</b>
		3	46.4	19.6		2816	1794	1089	640	380	4175	2637	1586	1045	639
DBHS. 200	15 /ACO	1	26.0	13.2	727	2218	1413	858	529	314	3210	2028	1220	868	531
		2	<b>30.0</b>	<b>14.7</b>		<b>2337</b>	<b>1489</b>	<b>904</b>	<b>557</b>	<b>331</b>	<b>3382</b>	<b>2137</b>	<b>1285</b>	<b>914</b>	<b>560</b>
		3	47.1	23.5		3372	2148	1304	804	477	4881	3083	1855	1320	808
DBHS. 220	15 /ACO	1	26.0	15.5	787	2462	1568	952	587	348	3563	2251	1354	963	590
		2	<b>30.0</b>	<b>16.8</b>		<b>2565</b>	<b>1634</b>	<b>992</b>	<b>612</b>	<b>363</b>	<b>3712</b>	<b>2345</b>	<b>1410</b>	<b>1003</b>	<b>614</b>
		3	47.8	27.5		3743	2384	1447	893	530	5417	3422	2058	1465	896
DBHS. 240	15 /ACO	1	26.0	16.4	911	2707	1724	1047	646	383	3917	2475	1488	1059	648
		2	<b>30.0</b>	<b>17.7</b>		<b>2805</b>	<b>1787</b>	<b>1085</b>	<b>669</b>	<b>397</b>	<b>4060</b>	<b>2565</b>	<b>1543</b>	<b>1098</b>	<b>672</b>
		3	48.1	29.7		4113	2620	1591	981	582	5953	3761	2262	1610	985
DBHS. 260	15 /ACO	1	26.0	16.4	937	2828	1802	1094	654	388	4158	2627	1580	1069	654
		2	<b>30.0</b>	<b>17.7</b>		<b>2931</b>	<b>1867</b>	<b>1134</b>	<b>678</b>	<b>402</b>	<b>4310</b>	<b>2723</b>	<b>1638</b>	<b>1108</b>	<b>678</b>
		3	48.1	29.7		4298	2738	1662	994	590	6320	3993	2402	1625	994
DBHS. 280	15 /ACO	1	26.0	19.3	986	3195	2036	1236	762	452	4625	2922	1757	1250	765
		2	<b>30.0</b>	<b>20.4</b>		<b>3267</b>	<b>2081</b>	<b>1263</b>	<b>779</b>	<b>462</b>	<b>4728</b>	<b>2987</b>	<b>1797</b>	<b>1278</b>	<b>782</b>
		3	48.9	34.5		4855	3093	1877	1158	687	7026	4439	2670	1900	1163

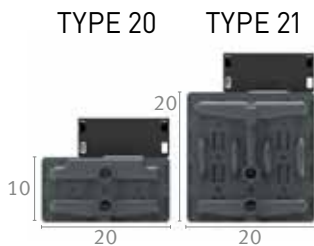
Output measured in accordance with EN 16430

## SUITABLE FOR TYPE 15 & TYPE 16:



For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)

# DBH SET 15 + LOW-H<sub>2</sub>O TYPE 20 / TYPE 21



## STANDARD DELIVERY

- DBH unit(s)
- stuurprint met microcontroller en bediening
- AC adapter 230 V/ 24VDC

## OUTPUT EXPLANATION

### HEATING CAPACITY

Due to the perfect combination of the DBH system and the extremely powerful Low-H<sub>2</sub>O coil, the heater's height no longer influences the heat capacity. Thanks to the DBH system, maximum output is available for even the smallest heaters!

### COOLING CAPACITY

The cooling capacity remains constant for all types with a maximum height of 50 cm. If the height exceeds 50 cm, the cooling capacity for types 11, 16 and 21 is reduced by approximately 5% for each additional 10 cm of height.

### Cooling capacity correction factors for types 11, 16 and 21

Height	Correction factor
20-30-40-50	1.00
60	0.95
65	0.92
70	0.90
80	0.85
90	0.80
95	0.77
100	0.75

## DBH SET 15

## WATTS WITH TYPE 20

## WATTS WITH TYPE 21

DBHS.	LENGTH RADIATOR DBH UNIT		POSITION	SOUND PRESSURE dB(A)	ELECTRICITY CONSUMPTION W	€	HEATING Room temperature 20°C			COOLING Room temperature 27°C		HEATING Room temperature 20°C			COOLING Room temperature 27°C	
	LLL	BB /ACO					55/45	45/35	35/30	16/18	20/22	55/45	45/35	35/30	16/18	20/22
DBHS. 050	15	/ACO	1	---	---	---	---	---	---	---	---	---	---	---	---	---
			2	---	---	---	---	---	---	---	---	---	---	---	---	---
			3	---	---	---	---	---	---	---	---	---	---	---	---	---
DBHS. 060	15	/ACO	1	26.0	4.8	326	771	491	298	166	102	1048	676	416	234	151
			2	<b>30.0</b>	<b>5.5</b>		<b>825</b>	<b>526</b>	<b>319</b>	<b>178</b>	<b>109</b>	<b>1125</b>	<b>725</b>	<b>447</b>	<b>251</b>	<b>162</b>
			3	41.1	7.2		976	622	378	211	129	1488	960	591	332	214
DBHS. 070	15	/ACO	1	26.0	5.1	334	864	550	334	171	<b>105</b>	1149	741	456	240	155
			2	<b>30.0</b>	<b>5.6</b>		<b>926</b>	<b>590</b>	<b>358</b>	<b>183</b>	<b>112</b>	<b>1234</b>	<b>796</b>	<b>490</b>	<b>258</b>	<b>166</b>
			3	41.1	7.2		1108	706	428	219	134	1633	1054	648	341	220
DBHS. 080	15	/ACO	1	26.0	6.0	347	1112	708	430	240	147	1527	985	606	341	220
			2	<b>30.0</b>	<b>6.7</b>		<b>1194</b>	<b>761</b>	<b>462</b>	<b>258</b>	<b>158</b>	<b>1638</b>	<b>1056</b>	<b>650</b>	<b>366</b>	<b>236</b>
			3	42.4	9.0		1441	918	557	311	190	2197	1417	872	490	316
DBHS. 090	15	/ACO	1	26.0	7.0	423	1278	814	494	276	169	1749	1128	694	390	252
			2	<b>30.0</b>	<b>7.7</b>		<b>1374</b>	<b>876</b>	<b>532</b>	<b>297</b>	<b>182</b>	<b>1874</b>	<b>1209</b>	<b>744</b>	<b>418</b>	<b>270</b>
			3	43.3	10.7		1674	1066	647	361	221	2552	1646	1013	570	367
DBHS. 100	15	/ACO	1	26.0	7.0	443	1441	918	557	311	191	1969	1270	782	439	283
			2	<b>30.0</b>	<b>7.7</b>		<b>1553</b>	<b>989</b>	<b>601</b>	<b>335</b>	<b>205</b>	<b>2108</b>	<b>1360</b>	<b>837</b>	<b>471</b>	<b>303</b>
			3	44.1	10.7		1906	1214	737	412	252	2906	1875	1154	649	418
DBHS. 110	15	/ACO	1	26.0	7.9	467	1541	982	596	317	194	2067	1333	821	446	287
			2	<b>30.0</b>	<b>8.8</b>		<b>1660</b>	<b>1058</b>	<b>642</b>	<b>342</b>	<b>209</b>	<b>2213</b>	<b>1428</b>	<b>879</b>	<b>477</b>	<b>308</b>
			3	44.1	12.5		2038	1298	788	419	256	3051	1968	1211	658	424
DBHS. 120	15	/ACO	1	26.0	8.7	475	1762	1123	682	381	233	2426	1565	963	542	349
			2	<b>30.0</b>	<b>9.8</b>		<b>1904</b>	<b>1213</b>	<b>736</b>	<b>411</b>	<b>252</b>	<b>2598</b>	<b>1676</b>	<b>1032</b>	<b>580</b>	<b>374</b>
			3	44.8	14.3		2371	1510	917	512	313	3615	2332	1435	807	520
DBHS. 140	15	/ACO	1	26.0	9.6	505	2076	1323	803	448	274	2877	1856	1143	642	414
			2	<b>30.0</b>	<b>10.5</b>		<b>2249</b>	<b>1432</b>	<b>870</b>	<b>486</b>	<b>297</b>	<b>3082</b>	<b>1988</b>	<b>1224</b>	<b>688</b>	<b>443</b>
			3	45.4	14.4		2836	1807	1097	612	375	4324	2789	1717	965	622
DBHS. 160	15	/ACO	1	26.0	11.5	658	2384	1519	922	515	315	3307	2133	1313	738	476
			2	<b>30.0</b>	<b>12.8</b>		<b>2588</b>	<b>1649</b>	<b>1001</b>	<b>559</b>	<b>342</b>	<b>3530</b>	<b>2277</b>	<b>1402</b>	<b>788</b>	<b>508</b>
			3	46.4	19.6		3301	2103	1276	713	436	5033	3246	1998	1123	724
DBHS. 180	15	/ACO	1	26.0	11.5	697	2574	1640	995	526	322	3497	2256	1388	750	483
			2	<b>30.0</b>	<b>12.8</b>		<b>2794</b>	<b>1780</b>	<b>1081</b>	<b>571</b>	<b>349</b>	<b>3733</b>	<b>2408</b>	<b>1482</b>	<b>801</b>	<b>516</b>
			3	46.4	19.6		3564	2270	1378	728	446	5322	3433	2113	1142	736
DBHS. 200	15	/ACO	1	26.0	13.2	727	2984	1901	1154	644	394	4242	2736	1684	947	610
			2	<b>30.0</b>	<b>14.7</b>		<b>3253</b>	<b>2072</b>	<b>1258</b>	<b>702</b>	<b>430</b>	<b>4469</b>	<b>2883</b>	<b>1775</b>	<b>998</b>	<b>643</b>
			3	47.1	23.5		4230	2695	1636	914	559	6450	4161	2561	1440	928
DBHS. 220	15	/ACO	1	26.0	15.5	787	3260	2077	1261	704	431	4709	3038	1870	1051	677
			2	<b>30.0</b>	<b>16.8</b>		<b>3562</b>	<b>2269</b>	<b>1377</b>	<b>769</b>	<b>471</b>	<b>4905</b>	<b>3164</b>	<b>1948</b>	<b>1095</b>	<b>706</b>
			3	47.8	27.5		4695	2991	1816	1014	621	7159	4618	2843	1598	1030
DBHS. 240	15	/ACO	1	26.0	16.4	911	3534	2251	1367	763	467	5177	3339	2056	1155	745
			2	<b>30.0</b>	<b>17.7</b>		<b>3872</b>	<b>2466</b>	<b>1497</b>	<b>836</b>	<b>512</b>	<b>5365</b>	<b>3461</b>	<b>2130</b>	<b>1197</b>	<b>772</b>
			3	48.1	29.7		5160	3287	1996	1114	682	7868	5075	3124	1756	1132
DBHS. 260	15	/ACO	1	26.0	16.4	937	3688	2349	1426	768	470	5367	3462	2131	1168	752
			2	<b>30.0</b>	<b>17.7</b>		<b>4067</b>	<b>2591</b>	<b>1573</b>	<b>848</b>	<b>519</b>	<b>5562</b>	<b>3588</b>	<b>2209</b>	<b>1210</b>	<b>780</b>
			3	48.1	29.7		5423	3455	2097	1130	692	8157	5262	3239	1774	1144
DBHS. 280	15	/ACO	1	26.0	19.3	986	4141	2638	1602	894	547	6112	3943	2427	1364	879
			2	<b>30.0</b>	<b>20.4</b>		<b>4572</b>	<b>2913</b>	<b>1768</b>	<b>987</b>	<b>604</b>	<b>6249</b>	<b>4031</b>	<b>2481</b>	<b>1395</b>	<b>899</b>
			3	48.9	34.5		6090	3879	2355	1315	805	9285	5990	3687	2072	1336

Output measured in accordance with EN 16430

## SUITABLE FOR TYPE 20 & TYPE 21:



For more info on the DBH Upgrade Set, see [www.jaga.com/Products/Horizontal/dbh-upgrade](http://www.jaga.com/Products/Horizontal/dbh-upgrade)



# jaga

CLIMATE DESIGNERS

## VERTIGA HYBRID

The only vertical designer heater for extremely low water temperatures

Vertiga is the perfect combination of the 3 most important Jaga characteristics: power, energy-efficiency and design. Jaga Vertiga is a completely new kind of heating unit, equipped with two dynamic coils, and is compatible with all heat sources. Moreover, it's specially designed for heat pumps and low temperature boilers. Both coils, made from copper and aluminum, ensure a lateral air flow and are able to generate high power levels at low water temperatures.

Vertiga is also suitable for non-condensing cooling in combination with any heat pump that has a cooling function. This mild form of cooling is very energy-efficient.

Also suitable for Jaga light cooling





VERTIGA HYBRID



# THE TOP PERFORMER FACTOR

Brand new Dynamic vertical radiator system for high output even at low water temperatures

## VERTIGA PRIMO

Casing Primo model,  
In painted steel

Easy to install fully pre-assembled cassette

Whisper-quiet boosters

Sound insulation for a whisper-quiet operation

2 Corrosion-free Low-H<sub>2</sub>O heat exchangers in copper/aluminium

Pre-perforated openings for electrical cabling

12V power supply and automatic control

Whisper-quiet boosters

Pencil-proof air intake at the top and bottom

Traditional MM connection (central bottom end)

Hidden vertical design grilles distribute the warm air all around the room

### UNIQUE DESIGN PERFORMANCE

Perfect warm-up of the room through horizontal heat distribution across the complete height of the radiator

9x faster warm-up

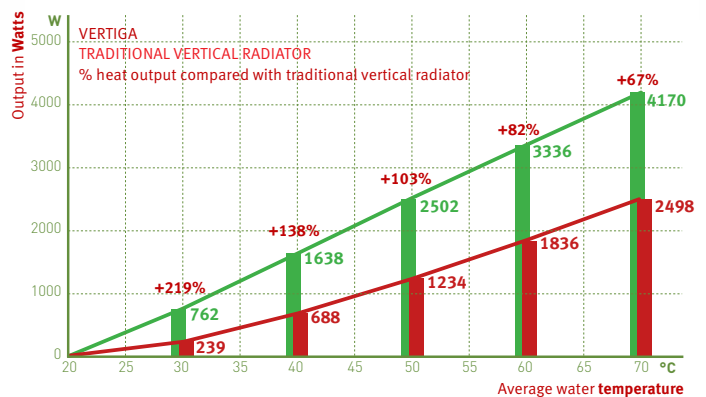
Very high power even at super-low water temperatures

10 to 30% energy savings compared with under floor heating or heavy steel radiators

Fully automatic operation driven by water temperature sensors

### OUTPUT BASED ON WATER TEMPERATURE

Comparing Vertiga and a traditional vertical radiator of the same size  
Sound pressure Vertiga max. 28 db(A) (in medium mode).





# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATER

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- Perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed.
- By default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

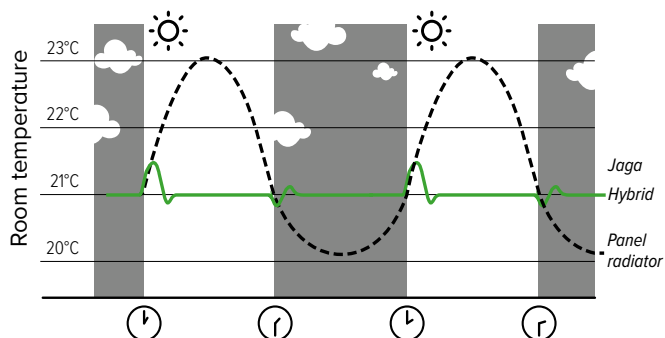
Is the oven or dishwasher on? If the sun shines inside? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. A quickly reacting heater such as Strada Hybrid anticipates this and accurately controls the temperature in all circumstances..

### Jaga Light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

**More than ever, the responsiveness determines your energy consumption and your comfort.**

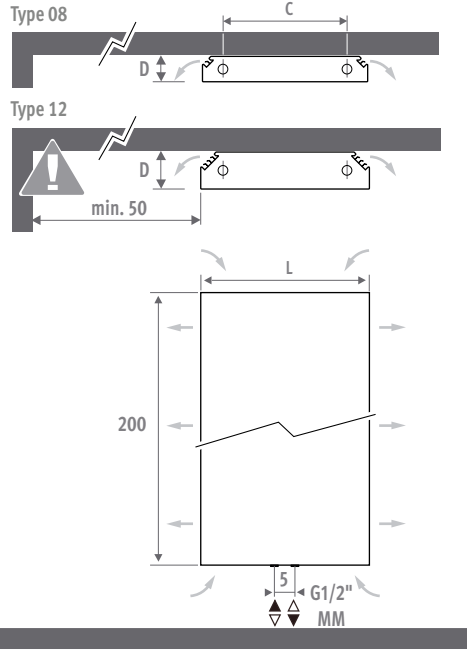
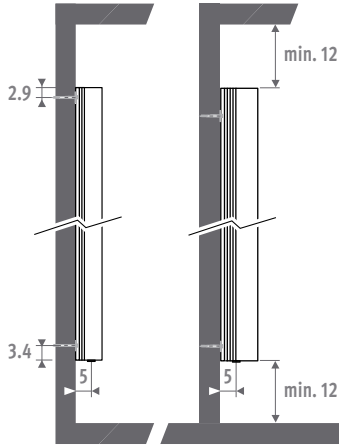
## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



# VERTIGA

## DIMENSIONS (in cm)

Primo	D = 9.2			D = 13.2		
L	41	52	65	53	70	90
C	20.6	31.6	44.6	27.8	44.8	64.8



## ORDERING CODE

code height length type colour  
**VERW 200 041 08 XXX XX**  
 3-speed control (HA)  
 or BMS (HB)

## DELIVERY

- front panel can be clicked in easily
- fully pre-assembled wall cassette with vertical grilles for air outlet at the left and right side
- pencil-proof grille for air inlet at the bottom and top end
- pre-perforated openings for electrical connection
- central connection MM (MM Bottom or Top)
- mounted 3-speed control

## COLOURS

### Primo

Environmentally friendly, scratch-resistant, high UV resistant powder coating.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic
- off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%

Other colours: see colour chart.

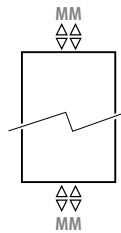
Only available in soft touch (code 1..), smooth satin (code 3..) and special colours.

**Not available in smooth glossy (code 2..).**

## HYDRAULIC CONNECTION

Standard connection:  
 central connection MM below or on top, flow left or right.

Top connection:  
 the radiator is symmetrical and can be mounted either way up. Provide an air vent on the central heating pipework above the radiator.



## CONNECTION SETS HEATING

Connection set to the wall with a Deco-Pro valve

TRV head and sleeve couplings included.



<b>set 48</b>	<b>BRUSHED STAINLESS STEEL</b>	€
	CODE.PW3.PS.1...	<b>300</b>
<b>set 41</b>	<b>CHROME</b>	€
	CODE.PW3.AW.1...	<b>126</b>
	CODE.PW3.AC.1...	<b>143</b>
	CODE.PW3.HC.1...	<b>180</b>
enter sleeve coupling code		
	Precision metal tube 15/1	<b>115</b>
	Precision metal tube 16/1	<b>116</b>
	Precision metal tube 18/1	<b>118</b>
	RPE/ALU tube 16/2	<b>316</b>
	RPE/ALU tube 18/2	<b>318</b>

## Other connection sets and sleeve couplings

See chapter "Connection sets and valves" for all connection options and technical information

## ELECTRIC CONNECTION

Equipped with pre-perforated openings and 230 VAC clamp connector.

## 3-SPEED CONTROL (HA)

User friendly operation with three power positions and LED indication, mounted on the side of the Vertiga. Vertiga Hybrid switches fully automatically between heating and light cooling.



## BMS - HOME AUTOMATION / BUILDING MANAGEMENT SYSTEM (HB)

With 0-10V analog input.  
 Without control panel: the speed of the boosters is determined by the control signal. Automatic heating / cooling changeover is possible.

# H 200 - VERTIGA HYBRID

DIMENSIONS			POSITION	HEATING Room temperature 20°C				COOLING (Non-condensing) Room temperature 27°C	SOUND PRESSURE* dB(A)	PRICE STANDARD COLOURS		ORDER CODE
H cm	L cm	B cm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts		Primo €	Primo €	
200	041	08	1	1315	784	517	325	127	26.0	1324	1522	VERW.200 041 08 /XXX
			2	1449	864	569	359	154	30.0			
			3	1620	966	636	401	178	33.3			
	052	08	1	1428	852	561	353	151	26.0	1439	1655	VERW.200 052 08 /XXX
			2	1633	974	642	404	180	30.0			
			3	2289	1365	899	566	237	36.6			
	065	08	1	1641	979	645	406	180	26.0	1557	1790	VERW.200 065 08 /XXX
			2	1872	1116	735	463	210	30.0			
			3	3042	1814	1195	753	304	39.9			
200	053	12	1	2054	1225	807	508	230	26.0	1606	1846	VERW.200 053 12 /XXX
			2	2374	1416	933	587	281	30.0			
			3	2925	1744	1149	724	410	38.7			
	070	12	1	2941	1754	1155	728	477	26.0	1752	2014	VERW.200 070 12 /XXX
			2	3808	2271	1496	942	578	30.0			
			3	4362	2601	1714	1079	918	40.8			
090	12	1	3461	2064	1360	856	717	26.0	1913	2199	VERW.200 090 12 /XXX	
		2	4758	2838	1869	1177	859	30.0				
		3	5605	3343	2202	1387	1464	42.9				

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m<sup>3</sup> / reverberation time 0.5 sec.

enter colour code

# jaga

CLIMATE DESIGNERS

## MINI CANAL HYBRID

Same size, 3 times  
the heating output!

Condensing boilers, heat pumps and solar energy systems need far bigger heating elements because they operate at very low water temperatures that sometimes don't get above 35°C. For Mini Canal Hybrid it's not a problem, because it delivers 3 to 4 times more heat than a traditional natural trench heating output solution.

- High output at low water temperatures.
- For newbuild and renovation of commercial and public buildings.
- Connection for ventilation (option).
- Less space needed.
- A range of grilles for every interior.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- **A 30 year guarantee** on the heat exchanger.

Mini Canal Hybrid is also suitable for non-condensing cooling in combination with any heat pump that has a cooling function. This mild form of cooling is very energy-efficient.

Also suitable  
for light  
cooling





MINI CANAL HYBRID



Mini Canal Hybrid  
H14 B34 L310  
🔴 55/45/20: 4238 Watts  
🔵 16/18/27: 446 Watts

# HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP HEATER

## HIGH OUTPUT WITH ALL WATER TEMPERATURES, HOT AND COLD

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H of Hybrid stands for the dual effect: heating and cooling.

- With Strada Hybrid you are choosing a complete climate solution for your home that is optimally controlled in order to guarantee the highest comfort level and minimal energy consumption perfectly controlled heating at the lowest water temperature thanks to the hybrid system's reaction speed
- By default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

## MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING DOWN

### Heating

Is the oven or the dishwasher on? Is sunlight entering the room? Your home is a dynamic given with constantly changing temperature conditions and comfort requirements. As soon as the room thermostat or the control system wants to make an adjustment, the Mini Canal Hybrid will very quickly provide the desired room temperature.

### Jaga Light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

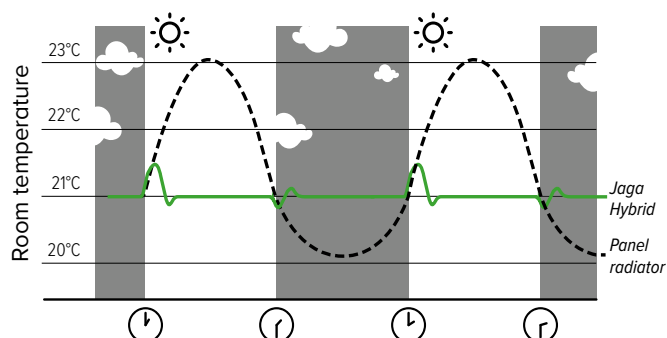
**More than ever, the responsiveness determines your energy consumption and your comfort.**

## MULTIFUNCTIONAL INTELLIGENCE

### Operation

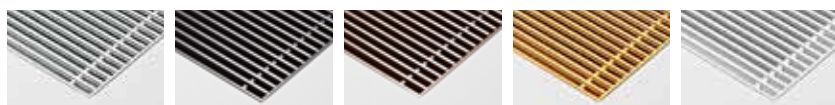
Manual switching between heating and cooling. The user manually selects the desired mode via the control panel. With every heating or cooling demand, the activator is controlled automatically as soon as the correct water temperature is detected. Depending on the room where the heating unit is located, you can set 3 different fan speeds: whisper-quiet bedroom mode max 26 dB(A) on setting 1, comfort mode for living areas max 30 dB(A) or the maximum setting.

## COMPARISON OF THE REACTION TIME IN CASE OF TEMPERATURE CHANGES



## GRILLE CODES

### Designo rigid aluminium grilles



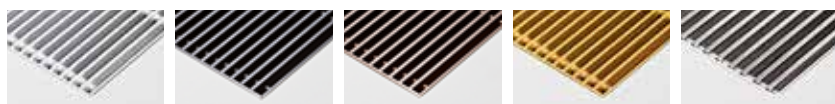
**DNA** natural coloured    **DBL** black    **DDB** dark brown    **DBR** brass coloured    **DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured    **SBL** black    **SDB** dark brown    **SBR** brass coloured    **SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



**RNA** natural coloured    **RBL** black    **RDB** dark brown    **RBR** brass coloured    **RSS** stainless steel

### Designo roll-up wooden grilles



**DMN** merbau    **DON** oak    **DBN** beech  
**DMV** varnished    **DOV** varnished    **DBV** varnished

### Roll-up wooden grilles



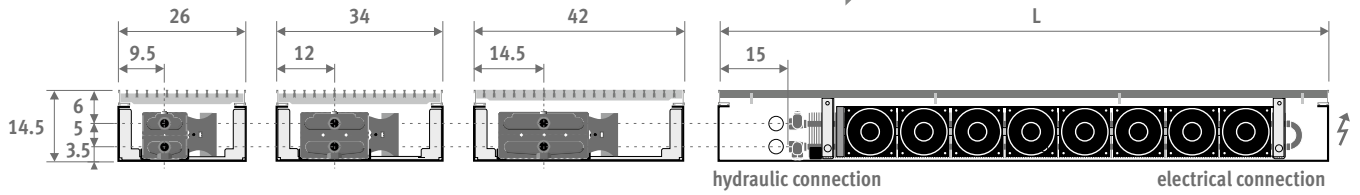
**RMN** merbau    **RON** oak    **RBN** beech  
**RMV** varnished    **ROV** varnished    **RBV** varnished

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

# MINI CANAL HYBRID - SUMMARY

Building in-opening: height  $H + 1$  cm, length  $L$  and width  $B + 0.5$  cm!

## PRODUCT SUMMARY



## COMPOSITION

### Grille

a wide range of design types and colours in anodized aluminium, various wood finishes and stainless steel

### Connection options

230 V/12 V

### Pre-configured and assembled Jaga Dynamic Product Controller

Control with touch operation (indication by LED's) and sensor for water temperature. Power supply 12 VDC

### Pre-mounted DBE units

### Low-H<sub>2</sub>O heat exchanger

made of copper and aluminium, made "invisible" by a dark grey lacquer (RAL 7024)

### Mini duct

from Sendzimir galvanized and dark grey lacquered steel plate; thickness 1 mm, with connection holes on all sides

### Fixing straps

number depending on the length

**Easy height adjustment** for uneven floors (option). Provided with acoustic decoupling.

**Frame (MDCL)**  
in anodized aluminium, colour to match the grille.



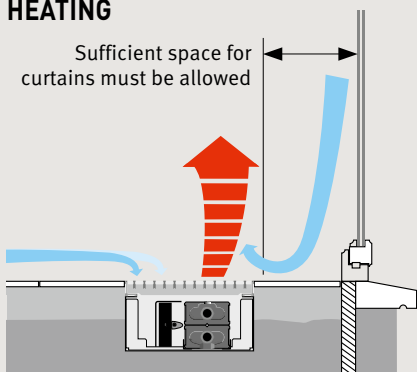
**Cover frame (MDCZ)**  
in anodized aluminium, colour to match the grille

**Pre-perforated system**  
for connections

**Seals** for the connection holes, made of black synthetic material

## OPERATING PRINCIPLE HEATING

Sufficient space for curtains must be allowed



## EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

⚠ Heat exchanger always on the window side!



# MINI CANAL HYBRID - COMPOSITION

## ORDERING CODE

### WITH FRAME (L-PROFILE)

code	height	length	width	grille
MDCL .	014	110	26	/XXX
<i>fill in grille code</i>				

### WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MDCZ .	014	110	26	/XXX
<i>fill in grille code</i>				

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

NEW

## DELIVERY

Pre-assembled, dark grey

lacquered Mini Canal Hybrid with:

- Low-H<sub>2</sub>O heat exchanger
- Pre-mounted Jaga Dynamic Product Controller (JDPC)
- grille and mounted L-profile or Z-profile frame
- fixing straps
- air vent(s) 1/8" and drain plug(s) 1/2"
- DBE units according to length, with protection grille
- 12 VDC control with water temperature sensor
- clamp connector for 12 VDC, directly on the control board

## INSTALLATION

The Mini Canal Hybrid is completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired.

The cover frame allows the seam between the floor and the trench to be covered.

### Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening .
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

## HYDRAULIC CONNECTION

- The heat exchanger has to be connected at the left side of the duct. This can be done in several ways:
- to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).
- with manual valve in the duct.
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

## OPERATING PRINCIPLE STANDARD ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices, pre-configured and assembled inside the device.

- indication of operating mode by LED's
  - control with touch operation and sensor for water temperature, pre-configured and assembled by Jaga
  - power supply 12 VDC
  - ventilator settings:
    - o Standby
    - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
    - o Cooling: 3 speeds (Operates at water temperature < 18°C, can easily be modified)
  - 0-10 V input for building management system/thermostats / DPC.MD61
- For more information contact Jaga  
 ☎ +32 11 29 41 12 - ✉ [export@jaga.be](mailto:export@jaga.be)  
 or your local dealer.



Touch operation

Product controller

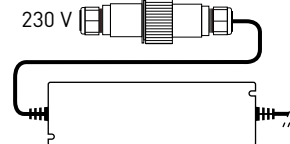
## ELECTRIC CONNECTION

Connection always at the right side of de duct

### Option VAC:

for connection to 230 VAC with waterproof power and cable gland in the duct.

Fill up ordering code with /VAC

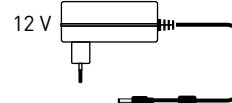


CODE	€/piece
MDCL.HHH LLL BB/XXX/VAC	104

### Option VDC:

Plug-in wall power supply 230 VAC/12VDC.

Fill up ordering code with /VDC



CODE	€/piece
MDCL.HHH LLL BB/XXX/VDC	40

## CONNECTION SETS HEATING

With remote control



CODE 2-PIPE	€
set 272	

COMC.JV2.RD.4...	165
<i>fill in sleeve coupling code</i>	

Precision metal tube 14/1	114
Precision metal tube 15/1	115
Precision metal tube 16/1	116
RPE/ALU tube 16/2	616

### Other thermostatic heads and sleeve couplings

see chapter "Connection sets and valves Low-H<sub>2</sub>O" for all connection options and technical information.

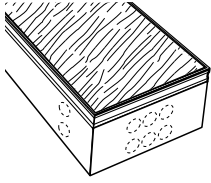
## CONNECTION SETS HEATING / COOLING

use set 272 with manual head (MA)



# OPTIONS - MINI CANAL HYBRID

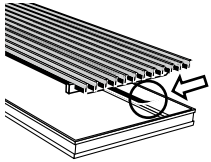
## COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

	code	length	width
<b>ORDERING CODE</b>	<b>7691.000</b>	<b>110</b>	<b>026</b>
<b>L</b>	<b>B 026</b>	<b>034</b>	<b>042</b>
110	26	30	32
130	28	32	34
150	30	34	37
170	31	36	39
190	32	37	41
210	34	40	43
230	36	41	45
250	37	43	47
270	39	45	50
290	40	46	52
310	41	48	55

## CONTACT STRIP

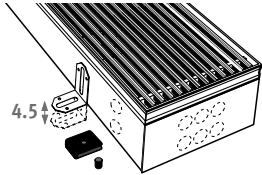


For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of

rolls required according to the circumference of the frame:  $(B + L) \times 2$ .

CODE		€
7690.02	Roll 6 metre	31

## HEIGHT CONTROL

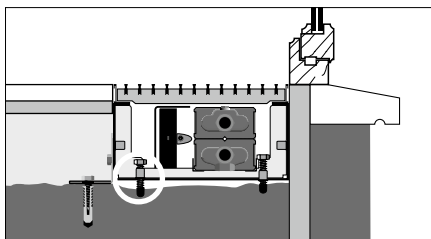


Simple height control for uneven subfloors. Provided with acoustic decoupling.

CODE		€/set
7690.01	height control 0 - 4.5 cm	9,60
7690.04	height control 4.5 - 10 cm	19

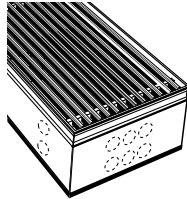
Recommended numbers for length:

1 set =	110 cm	2 kits
	130 > 190 cm	3 kits
	210 cm	4 kits
	230 > 310 cm	5 kits



The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

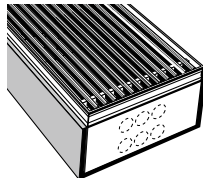
## BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

	code	length	width
<b>ORDERING CODE</b>	<b>7692.000</b>	<b>110</b>	<b>026</b>
<b>L</b>	<b>B 026</b>	<b>034</b>	<b>042</b>
110	17,10	17,10	18,00
130	18,00	18,00	19
150	19	20	21
170	20	21	24
190	20	24	25
210	22	24	25
230	24	25	27
250	25	26	28
270	25	27	30
290	26	28	31
310	27	30	32

## 3-SIDED INSULATION

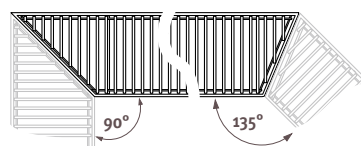
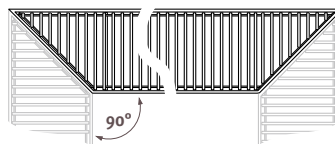


In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

	code	height	length	width
<b>ORDERING CODE</b>	<b>7693.014</b>	<b>110</b>	<b>026</b>	
<b>H</b>	<b>L</b>	<b>B 026</b>	<b>034</b>	<b>042</b>
014	110	45	45	46
	130	46	47	48
	150	50	50	51
	170	52	52	54
	190	54	55	58
	210	57	59	60
	230	59	62	64
	250	62	65	66
	270	65	67	68
	290	67	71	72
	310	71	73	75

## CORNERS 135° OR 90°

For wooden and aluminium grilles.



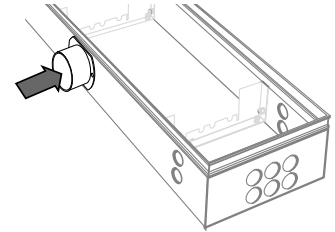
To order corner elements, please contact Jaga at: [export@jaga.be](mailto:export@jaga.be). Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

## DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

## AIR REFRESHMENT

**Mounted spigot connector for air supply channel**



CODE		€
/V1	1 spigot connection ø 80 mm	140
/V2	2 spigot connections ø 80 mm	209

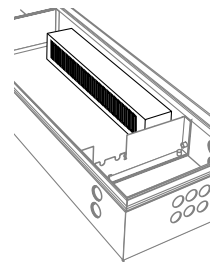
Add /V1 or /V2 to the Mini Canal code.

Example: MDCL. 014 110 26 /XXX /V1

## Other systems

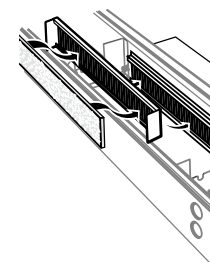
Air refreshment system 2

internal air supply collector



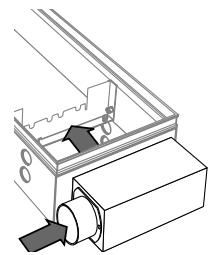
Air refreshment system 3

exterior air supply collector



Air refreshment system 4

air supply collector at headpiece



For more information see: [www.jaga.com](http://www.jaga.com)

# MINI CANAL HYBRID - B 026

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20 °C				COOLING (Non-condensing) ROOM TEMPERATURE 27 °C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18				
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	
014	110	26	0	285	141	80	43	---	0.0	---	0.0	MDCL. 014 110 26 /XXX
			1	1409	788	492	293	92	26.0	166	8.4	
			2	1505	841	526	313	97	30.0	190	9.4	
			3	1568	877	548	326	97	35.7	230	11.0	
130	26	26	0	359	178	101	54	---	0.0	---	0.0	MDCL. 014 130 26 /XXX
			1	1810	1012	633	376	120	26.0	212	10.8	
			2	1949	1090	681	405	128	30.0	242	12.0	
			3	2068	1156	723	430	129	37.0	306	14.7	
150	26	26	0	430	213	120	64	---	0.0	---	0.0	MDCL. 014 150 26 /XXX
			1	2198	1229	768	457	147	26.0	257	13.2	
			2	2379	1330	832	494	158	30.0	293	14.6	
			3	2567	1435	897	533	161	38.0	383	18.3	
170	26	26	0	503	249	141	75	---	0.0	---	0.0	MDCL. 014 170 26 /XXX
			1	2577	1441	901	536	173	26.0	301	15.5	
			2	2802	1567	979	582	188	30.0	343	17.2	
			3	3067	1715	1072	637	193	38.8	460	22.0	
190	26	26	0	587	290	164	88	---	0.0	---	0.0	MDCL. 014 190 26 /XXX
			1	2960	1655	1035	615	199	26.0	343	17.8	
			2	3228	1805	1128	671	217	30.0	391	19.7	
			3	3578	2000	1251	744	225	39.4	536	25.7	
210	26	26	0	644	319	180	96	---	0.0	---	0.0	MDCL. 014 210 26 /XXX
			1	3017	1687	1055	627	119	26.0	343	17.8	
			2	3285	1837	1148	683	217	30.0	391	19.7	
			3	3636	2033	1271	756	225	39.4	536	25.7	
230	26	26	0	717	355	201	107	---	0.0	---	0.0	MDCL. 014 230 26 /XXX
			1	3345	1870	1169	695	224	26.0	385	20.0	
			2	3658	2045	1279	760	245	30.0	438	22.2	
			3	4100	2292	1433	852	258	40.0	613	29.3	
250	26	26	0	788	390	221	118	---	0.0	---	0.0	MDCL. 014 250 26 /XXX
			1	3738	2090	1307	777	249	26.0	426	22.2	
			2	4095	2289	1431	851	273	30.0	485	24.6	
			3	4634	2591	1620	963	290	40.5	689	33.0	
270	26	26	0	860	425	241	128	---	0.0	---	0.0	MDCL. 014 270 26 /XXX
			1	4089	2286	1429	850	273	26.0	467	24.4	
			2	4491	2511	1570	933	300	30.0	531	27.0	
			3	5134	2870	1795	1067	322	41.0	766	36.7	
290	26	26	0	931	460	261	139	---	0.0	---	0.0	MDCL. 014 290 26 /XXX
			1	4434	2479	1550	921	297	26.0	506	26.5	
			2	4881	2729	1706	1014	328	30.0	576	29.4	
			3	5556	3106	1942	1155	362	38.1	757	36.8	
310	26	26	0	1006	498	282	150	---	0.0	---	0.0	MDCL. 014 310 26 /XXX
			1	4779	2672	1670	993	320	26.0	546	28.7	
			2	5272	2947	1843	1096	355	30.0	621	31.8	
			3	5800	3243	2027	1205	386	35.0	733	36.4	

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# B 026 - MINI CANAL HYBRID

DIMENSIONS			DMN / DBN	RMN / RMV	RBN / RBV	DMV / DOV / DON	RBR / RNA	RON / ROV	DNA / DBR	DBL / DDB	RBL / RDB / DBV	SNA	SBL / SDB / SBR	RSS	SNC/XXX	DNC/XXX
H	L	B	€	€	€	€	€	€	€	€	€	€	€	€	€	€
cm	cm	cm														
014	110	26	933	843	863	996	919	919	959	970	970	917	947	1433	956	1014
130	26		1018	911	933	1092	1002	1002	1048	1063	1063	998	1035	1608	1044	1112
150	26		1195	1072	1098	1280	1177	1177	1230	1246	1246	1174	1217	1878	1226	1305
170	26		1413	1272	1303	1510	1392	1392	1453	1471	1471	1388	1435	2186	1446	1537
190	26		1482	1326	1358	1592	1461	1461	1527	1549	1549	1456	1509	2349	1522	1621
210	26		1676	1504	1541	1796	1652	1652	1725	1749	1749	1644	1706	2635	1719	1830
230	26		1770	1581	1621	1904	1743	1743	1826	1850	1850	1737	1802	2820	1817	1938
250	26		1952	1747	1791	2098	1922	1922	2012	2038	2038	1916	1987	3095	2003	2136
270	26		2025	1802	1850	2181	1992	1992	2090	2118	2118	1984	2062	3259	2080	2222
290	26		2229	1990	2039	2396	2193	2193	2297	2330	2330	2185	2269	3555	2289	2440
310	26		2410	2155	2208	2589	2372	2372	2486	2515	2515	2364	2452	3827	2471	2636

# MINI CANAL HYBRID - B 034

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20 °C				COOLING (Non-condensing) ROOM TEMPERATURE 27 °C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON- SUMPTION	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18				
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	
014	110	34	0	376	186	105	56	---	0.0	---	0.0	MDCL. 014 110 34 /XXX
			1	1821	1030	650	390	104	26.0	166	8.4	
			2	1944	1099	694	417	113	30.0	190	9.4	
			3	1990	1125	710	426	113	35.7	230	11.0	
	130	34	0	473	234	132	71	---	0.0	---	0.0	MDCL. 014 130 34 /XXX
			1	2336	1321	833	501	133	26.0	212	10.8	
			2	2519	1425	899	540	148	30.0	242	12.0	
			3	2624	1484	936	562	151	37.0	306	14.7	
	150	34	0	566	280	159	85	---	0.0	---	0.0	MDCL. 014 150 34 /XXX
			1	2831	1601	1010	607	161	26.0	257	13.2	
			2	3076	1739	1097	659	181	30.0	293	14.6	
			3	3256	1841	1162	698	189	38.0	383	18.3	
170	34	0	663	328	186	99	---	0.0	---	0.0	MDCL. 014 170 34 /XXX	
		1	3315	1875	1183	711	188	26.0	301	15.5		
		2	3622	2048	1292	776	213	30.0	343	17.2		
		3	3890	2200	1388	834	226	38.8	460	22.0		
190	34	0	773	382	217	115	---	0.0	---	0.0	MDCL. 014 190 34 /XXX	
		1	3801	2150	1356	815	214	26.0	343	17.8		
		2	4171	2359	1488	894	245	30.0	391	19.7		
		3	4539	2566	1619	973	264	39.4	536	25.7		
210	34	0	849	420	238	127	---	0.0	---	0.0	MDCL. 014 210 34 /XXX	
		1	3877	2192	1383	831	214	26.0	343	17.8		
		2	4247	2401	1515	910	245	30.0	391	19.7		
		3	4614	2609	1646	989	264	39.4	536	25.7		
230	34	0	945	467	265	141	---	0.0	---	0.0	MDCL. 014 230 34 /XXX	
		1	4338	2453	1548	930	238	26.0	385	20.0		
		2	4772	2698	1703	1023	275	30.0	438	22.2		
		3	5248	2968	1872	1125	302	40.0	613	29.3		
250	34	0	1039	514	291	155	---	0.0	---	0.0	MDCL. 014 250 34 /XXX	
		1	4789	2708	1709	1026	262	26.0	426	22.2		
		2	5287	2990	1886	1133	305	30.0	485	24.6		
		3	5880	3325	2098	1260	339	40.5	689	33.0		
270	34	0	1133	560	317	169	---	0.0	---	0.0	MDCL. 014 270 34 /XXX	
		1	5230	2958	1866	1121	285	26.0	467	24.4		
		2	5794	3276	2067	1242	334	30.0	531	27.0		
		3	6511	3682	2323	1395	377	41.0	766	36.7		
290	34	0	1227	607	344	183	---	0.0	---	0.0	MDCL. 014 290 34 /XXX	
		1	5665	3204	2021	1214	308	26.0	506	26.5		
		2	6295	3560	2246	1349	362	30.0	576	29.4		
		3	7138	4037	2547	1530	424	38.1	757	36.8		
310	34	0	1325	656	371	198	---	0.0	---	0.0	MDCL. 014 310 34 /XXX	
		1	6097	3448	2175	1307	330	26.0	546	28.7		
		2	6793	3841	2424	1456	390	30.0	621	31.8		
		3	7495	4238	2674	1606	446	35.0	733	36.4		

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# B 034 ■ MINI CANAL HYBRID

DIMENSIONS			DMN / DBN	RMN / RMV	RBN / RBV	DMV / DOV / DON	RBR / RNA	RON / ROV	DNA / DBR	DBL / DDB	RBL / RDB / DBV	SNA	SBL / SDB / SBR	RSS	SNC/XXX	DNC/XXX
H	L	B	€	€	€	€	€	€	€	€	€	€	€	€	€	€
cm	cm	cm														
014	110	34	1011	909	933	1101	1009	1009	1087	1101	1101	1016	1057	1654	1064	1159
130	34		1112	989	1018	1217	1108	1108	1199	1218	1218	1114	1162	1871	1172	1285
150	34		1303	1161	1194	1424	1298	1298	1403	1425	1425	1306	1361	2179	1373	1504
170	34		1543	1383	1420	1680	1538	1538	1657	1680	1680	1545	1610	2538	1621	1770
190	34		1628	1447	1488	1782	1622	1622	1756	1783	1783	1632	1704	2739	1716	1882
210	34		1861	1664	1710	2031	1855	1855	2004	2033	2033	1866	1946	3093	1960	2143
230	34		1983	1766	1815	2168	1977	1977	2139	2172	2172	1987	2075	3331	2090	2292
250	34		2181	1946	1999	2384	2175	2175	2350	2385	2385	2184	2280	3646	2296	2515
270	34		2269	2014	2073	2489	2262	2262	2452	2490	2490	2273	2377	3852	2395	2630
...																
290	34		2489	2215	2277	2725	2481	2481	2685	2726	2726	2493	2605	4189	2624	2878
310	34		2685	2392	2459	2935	2676	2676	2895	2938	2938	2689	2809	4502	2829	3101

# MINI CANAL HYBRID - B 042

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON- SUMPTION	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30					
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	
014	110	42	0	466	231	131	70	---	0.0	---	0.0	MDCL. 014 110 42 /XXX
			1	2141	1213	766	461	89	26.0	166	8.4	
			2	2279	1291	815	490	96	30.0	190	9.4	
			3	2332	1320	834	502	96	35.7	230	11.0	
130	42	42	0	586	290	164	87	---	0.0	---	0.0	MDCL. 014 130 42 /XXX
			1	2749	1557	984	592	115	26.0	212	10.8	
			2	2953	1673	1057	636	126	30.0	242	12.0	
			3	3072	1740	1099	661	128	37.0	306	14.7	
150	42	42	0	702	347	197	105	---	0.0	---	0.0	MDCL. 014 150 42 /XXX
			1	3334	1888	1193	718	140	26.0	257	13.2	
			2	3607	2043	1290	776	155	30.0	293	14.6	
			3	3810	2158	1363	820	160	38.0	383	18.3	
170	42	42	0	821	406	230	123	---	0.0	---	0.0	MDCL. 014 170 42 /XXX
			1	3908	2213	1398	841	164	26.0	301	15.5	
			2	4249	2407	1520	914	183	30.0	343	17.2	
			3	4552	2578	1629	980	192	38.8	460	22.0	
190	42	42	0	958	474	268	143	---	0.0	---	0.0	MDCL. 014 190 42 /XXX
			1	4485	2540	1605	965	164	26.0	343	17.8	
			2	4897	2773	1752	1054	183	30.0	391	19.7	
			3	5310	3008	1900	1143	192	39.4	536	25.7	
210	42	42	0	1052	520	295	157	---	0.0	---	0.0	MDCL. 014 210 42 /XXX
			1	4579	2593	1638	985	187	26.0	343	17.8	
			2	4990	2826	1786	1074	210	30.0	391	19.7	
			3	5404	3061	1934	1163	224	39.4	536	25.7	
230	42	42	0	1171	579	328	175	---	0.0	---	0.0	MDCL. 014 230 42 /XXX
			1	5126	2903	1834	1103	210	26.0	385	20.0	
			2	5609	3177	2007	1207	237	30.0	438	22.2	
			3	6144	3480	2198	1322	256	40.0	613	29.3	
250	42	42	0	1287	637	361	192	---	0.0	---	0.0	MDCL. 014 250 42 /XXX
			1	5662	3207	2026	1219	231	26.0	426	22.2	
			2	6217	3521	2224	1338	263	30.0	485	24.6	
			3	6883	3898	2463	1481	288	40.5	689	33.0	
270	42	42	0	1404	694	393	210	---	0.0	---	0.0	MDCL. 014 270 42 /XXX
			1	6188	3505	2214	1332	253	26.0	467	24.4	
			2	6816	3860	2439	1467	288	30.0	531	27.0	
			3	7622	4317	2727	1640	321	41.0	766	36.7	
290	42	42	0	1520	752	426	227	---	0.0	---	0.0	MDCL. 014 290 42 /XXX
			1	6706	3798	2399	1443	273	26.0	506	26.5	
			2	7407	4195	2650	1594	313	30.0	576	29.4	
			3	8350	4729	2988	1797	359	38.1	757	36.8	
310	42	42	0	1642	812	460	245	---	0.0	---	0.0	MDCL. 014 310 42 /XXX
			1	7222	4090	2584	1554	294	26.0	546	28.7	
			2	7997	4529	2861	1721	338	30.0	621	31.8	
			3	8779	4972	3141	1889	380	35.0	733	36.4	

Output measured in accordance with EN 16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# B 042 - MINI CANAL HYBRID

DIMENSIONS			DMN / DBN	RMN / RMV	RBN / RBV	DMV / DOV / DON	RBR / RNA	RON / ROV	DNA / DBR	DBL / DDB	RBL / RDB / DBV	SNA	SBL / SDB / SBR	RSS	SNC/XXX	DNC/XXX
H	L	B	€	€	€	€	€	€	€	€	€	€	€	€	€	€
cm	cm	cm														
014	110	42	1095	980	1006	1208	1101	1101	1169	1185	1185	1115	1169	1971	1176	1246
130	42		1206	1069	1101	1344	1217	1217	1295	1314	1314	1230	1294	2244	1304	1388
150	42		1438	1279	1316	1594	1447	1447	1540	1562	1562	1465	1538	2637	1550	1644
170	42		1701	1522	1564	1877	1712	1712	1816	1841	1841	1733	1815	3062	1828	1938
190	42		1800	1600	1646	2000	1814	1814	1929	1959	1959	1837	1928	3323	1943	2065
210	42		2025	1802	1855	2243	2038	2038	2166	2200	2200	2064	2164	3709	2181	2317
230	42		2172	1928	1984	2411	2185	2185	2328	2361	2361	2214	2326	4015	2341	2491
250	42		2385	2120	2182	2646	2400	2400	2552	2591	2591	2429	2551	4390	2571	2733
270	42		2489	2203	2269	2771	2506	2506	2670	2712	2712	2539	2669	4655	2689	2865
290	42		2725	2417	2490	3026	2742	2742	2919	2965	2965	2778	2917	5051	2940	3127
310	42		2936	2607	2685	3259	2955	2955	3145	3192	3192	2993	3144	5426	3167	3369

# jaga

CLIMATE DESIGNERS

## CLIMA CANAL 08

Extremely compact and silent

### **For low temperature heating and light cooling.**

Despite its height of just 8 cm, the Jaga Clima Canal 08 delivers a high heat output and is also suitable for light cooling. The dynamic heat exchanger and the tangential fans have been specially developed in order to generate higher power levels within a limited volume. It does so at a very low noise level.

### **Ventilate comfortably**

Jaga Clima Canal can optionally be provided with a ventilation connection. The Clima Canal can thus provide comfortable and pre-heated ventilation while being completely integrated into the floor.

### **With energy-efficient EC- motors**

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.

Clima Canal 10, 13 en 019: Ook geschikt voor niet condenserende en condenserende koeling





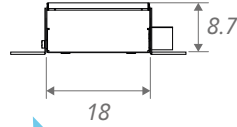
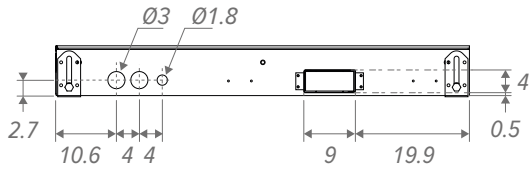


CLIMA CANAL 08

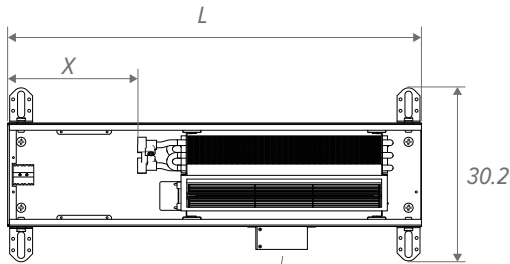
# CLIMA CANAL 08 - SUMMARY



## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.



Option mounted spigot connector for air supply channel

L	L through-mounting	X
72.3	72.1	23.0
108.3	108.1	23.0
144.3	144.1	18.5
180.3	180.1	15.0

Building in-opening: +0.5 cm

## ORDERING CODE

code	height	length	width	grille
CLCM .	008	072	18	/XXX
<i>fill in grille code ↓</i>				

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)

With energy efficient EC motor

## HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes

- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

### Cover plate

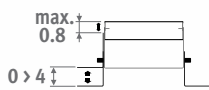
### Grille

several styles and colours in anodized aluminium and a range of wood finishes

**Stainless steel flexible connections 1/2". Length 15 cm**

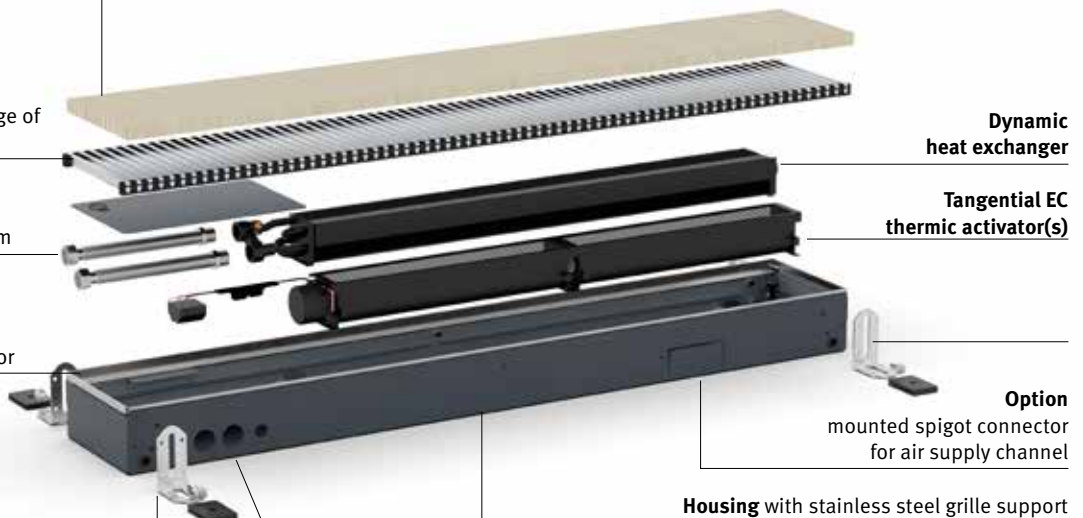
### Fine adjustment

to max. 0.8 cm, for a perfect alignment with the finished floor



Fine adjustment: 8.5 > 9.3 cm

**Feet with height adjustment 0 > 4.5 cm**  
Provided with acoustic decoupling.



**Electric connection & Hydraulic connection (always left)**

# CLIMA CANAL 08

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	PRICE BNA / BON / BBN	PRICE BNC	PRICE BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	€	€	€	
008	072	18	2	276	165	108	68	30	14	24	0.5	874	1006	961	CLCM.008 072 18 /XXX
			4	496	296	195	123	66	15	37	0.8				
			6	699	417	275	173	104	23	52	1.3				
			8	891	531	350	220	144	28	68	2.1				
			10	1075	641	422	266	185	34	79	3.0				
108	18	18	2	569	339	224	141	62	15	42	0.6	1195	1375	1314	CLCM.008 108 18 /XXX
			4	1021	609	401	253	135	19	75	1.3				
			6	1438	858	565	356	214	29	98	2.7				
			8	1834	1094	720	454	296	32	125	4.6				
			10	2214	1320	870	548	381	37	160	7.1				
144	18	18	2	894	533	351	221	97	16	66	1.1	1665	1916	1832	CLCM.008 144 18 /XXX
			4	1605	957	631	397	212	20	112	2.1				
			6	2260	1348	888	559	336	30	150	4.0				
			8	2881	1718	1132	713	465	35	193	6.6				
			10	3479	2075	1367	861	598	39	239	10.1				
180	18	18	2	1219	727	479	302	132	18	84	1.2	1891	2175	2079	CLCM.008 180 18 /XXX
			4	2188	1305	860	541	290	22	150	2.5				
			6	3082	1838	1211	763	458	32	196	5.4				
			8	3929	2343	1543	972	634	37	250	9.1				
			10	4744	2829	1864	1174	816	41	320	14.1				

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

## OVERVIEW GRILLES

### Wooden grilles



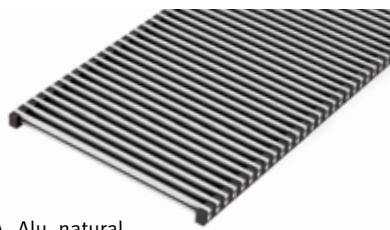
**BON** Oak  
**BOV** Oak varnished



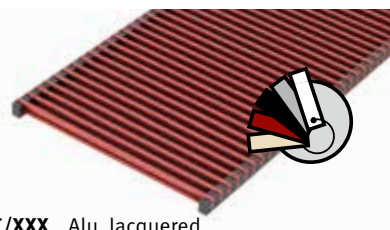
**BBN** Beech  
**BBV** Beech varnished



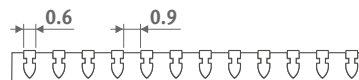
### Aluminium grilles



**BNA** Alu. natural



**BNC/XXX** Alu. lacquered



Fully removable internal mechanism for easy cleaning.

Our grilles are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

# CLIMA CANAL 08 - OPTIONS

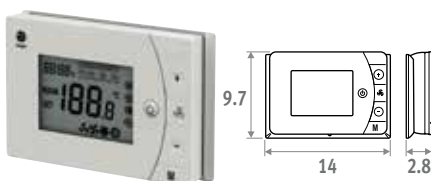
## CLOCK THERMOSTATS HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- automatic thermostat for 2-pipe: heating/cooling or auto
- ventilator speed: min./med./max. or auto
- power supply 24 VDC
- output control(s) 0-10 VDC
- 1 clock thermostat per room
- programmable zones
- LCD display with background lighting
- protection category IP30

## FOR WALL MOUNTING

### Jaga clock thermostat for wall mounting



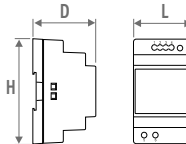
- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

CODE		€
8751.050013	wall mounted	96

## POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	46
7990.055	60	2.5	63
7990.056	92	3.9	90
7990.057	150	10	180

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

in function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/clima-canal>

## SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/40 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

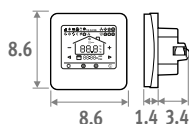
- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	output Watts	Output current A	€
37603.010002	40	1.67	90

## FOR RECESSED MOUNTING

### NEW

### Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi

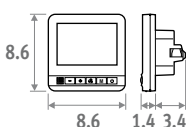


App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE			€
8751.050017	recessed/panel mounted	White	171
8751.050019	recessed/panel mounted	Black	171

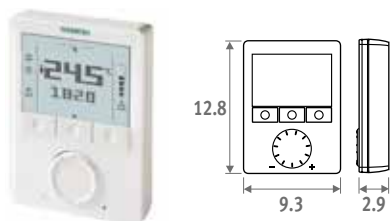
### Jaga clock thermostat for recessed/panel mounting



- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050012	recessed/panel mounted	102

## Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- For more information contact Jaga:
  - ☎ +32 11 29 41 12 - ✉ [export@jaga.be](mailto:export@jaga.be)

CODE		€
8751.050009	wall mounted	304

## PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

**Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.**

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- ventilator settings:
  - o standby
  - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - o cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.CC71-72

For more information contact Jaga  
☎ +32 11 29 41 12 - ✉ [export@jaga.be](mailto:export@jaga.be)

CODE		€
DPC.CC24	Heating	93
DPC.CC25	Heating and cooling	99

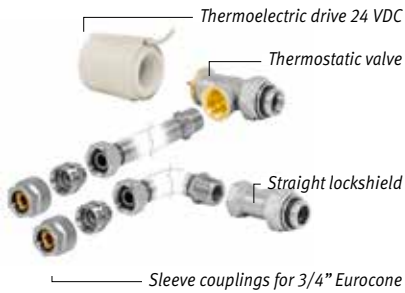
Touch operation



Product controller

# OPTIONS - CLIMA CANAL 08

## CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



- 24 VDC thermoelectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 338

set 297

**Kv max. 0.8 - Presetting in 6 steps**

**TWO PIPE**

€

CODY.JA4.24.4...	24 VDC	100
CODY.JA4.10.4...	0...10 VDC	196

set 298

**Kv 1.0 - without pre-setting**

**TWO PIPE**

€

CODY.WA4.24.4...	24 VDC	104
CODY.WA4.10.4...	0...10 VDC	198

fill in sleeve coupling code:

## CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set 299

CODY.LOM.00.4...	44
------------------	----

fill in sleeve coupling code:

## SLEEVE COUPLINGS EUROCONE

**Precision metal tube**

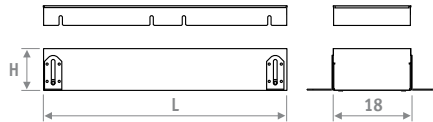
CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

**Synthetic or RPE/ALU tube**

CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

## EMPTY HOUSING

To fill open spaces for a continuous installation.



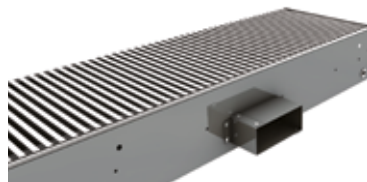
- aluminium or Designo wooden grille
- casing with stainless steel grille support
- height adjustment: Clima Canal 8.5 x 13.3 cm
- fine adjustment for alignment with the finished floor
- cover plate

ORDERING CODE

H	L	BNA BON BBN	BNC/XXX	BOV BBV
008	072	485	560	534
	108	747	859	823
	144	859	987	944
	180	970	1116	1068

## MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

Height 4 x length 9 cm



CODE	€
/VEN	78

Add /VEN to the code of Clima Canal.  
Example: CLCM. 008 072 18 /XXX /VEN

## JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230V



- only for mounting on the distributor, not in the Clima Canal
- with varistor to protect against power surge
- with position indicator (open/closed)

CODE	Description	€
7990.409	180° - G1/2" F / NG 230V 2Watts	107
7990.411	180° - G3/4" F / NG 230V 2Watts	119

## CORNER PIECE



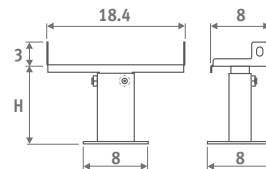
- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment: Clima Canal 8.5 x 13.3 cm
- Clima Canal Hybrid 9.8 x 14.6 cm
- fine adjustment for alignment with the finished floor

## Corner piece Clima Canal

CODE		€
CLCD.008 025 18/BNA	Alu. natural	641
CLCD.008 025 18/BNC/...	Alu. lacquered	795

enter colour code

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

## Number of sets per Clima Canal

L 72 = 1 set
L 120 = 1 set
L 150 = 2 sets
L 180 = 2 sets

CODE	H	€/set
5209.05070000	5 > 7 cm	70
5209.08130000	8 > 13 cm	70
5209.13230000	13 > 23 cm	73
5209.20300000	20 > 30 cm	75

**jaga**

CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)



HEATING,  
LIGHT AND DEEP COOLING



***Boost***  
***into the future***



## **WALL HORIZONTAL**

Briza 12	p. 266
Briza 22	p. 284
Brise	p. 286

## **WALL BUILT-IN**

Briza 12 Built-in	p. 266
Briza 22 Built-in	p. 284

## **FLOOR FREESTANDING**

Freedom Clima	p. 298
---------------	--------

## **FLOOR BUILT-IN**

Clima Canal 10	p. 302
Clima Canal 13	p. 302
Clima Canal 19	p. 302

## **CEILING SURFACE-MOUNTED**

Briza 12	p. 266
Briza 22	p. 284
Brise	p. 286

## **CEILING RECESSED**

Briza 12	p. 266
Briza 22	p. 284

# jaga

CLIMATE DESIGNERS

## BRIZA 12

Compact and quiet fan convector in a slim design or for built-in installation

**Briza 12 is the best solution if you want to combine power with a sleek design.**

**Jaga Briza fan convectors ensure the highest climate comfort while being energy-efficient and whisper-quiet. They bring every room up to temperature very quickly, both in winter and in summer. This way you can enjoy an ideal indoor climate year-round.**

- Also for residential projects
- Built-in EC motor for a much lower energy consumption and a longer service life
- Suitable for connection to any heat source
- Ideal in combination with heat pumps and low temperature systems
- Optimized cooling capacity due to the new hydrophilic protection of the copper-aluminum coil.
- With built-in room thermostat or controllable via the latest home automation systems
- For 2-pipe or 4-pipe
- Also available in a ceiling model or for in-wall or in-ceiling installation

Suitable for non-condensing and condensing cooling



jaga  
QUALITY  
MADE IN BELGIUM





BRIZA 12



# BRIZA 12 ▪ PLUG & PLAY

## BRIZA PLUG & PLAY: QUALITY IN EVERY DETAIL

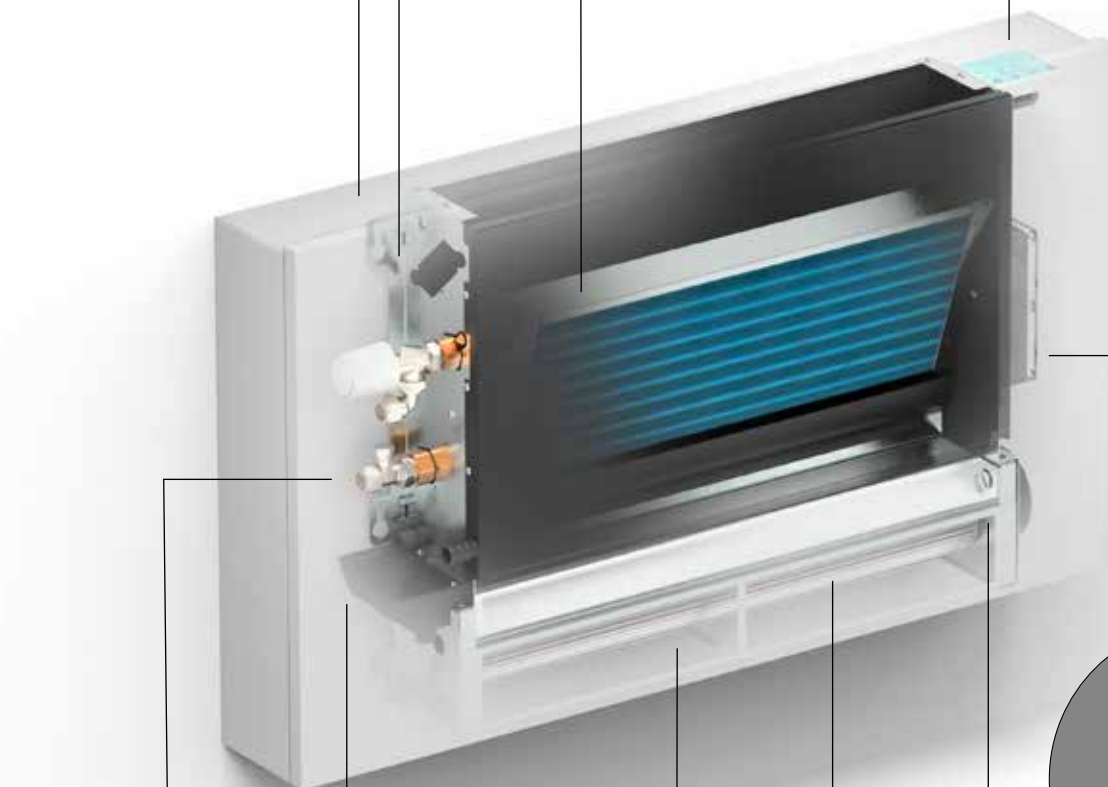
Heat exchanger with hydrophilic coating for optimum cooling performance

Sturdy casing manufactured from electro-galvanised steel

aluminum top grille, in the color of the device



Wi-Fi thermostat with touchscreen and app.\*



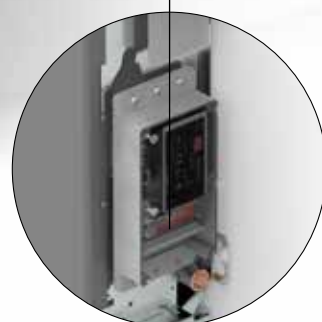
Metal condensate tray with epoxy-polyester coating

Stainless steel air filter

Tangential activators with aluminium fins are provided with ball bearings and resin-coated EPDM vibration damping

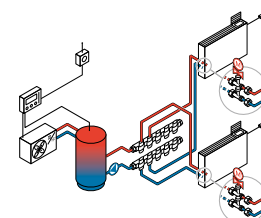


Preassembled connection set for an easy 3/4" Euroconus connection. \*



Integrated 230 V power supply, with clamp connector. \*

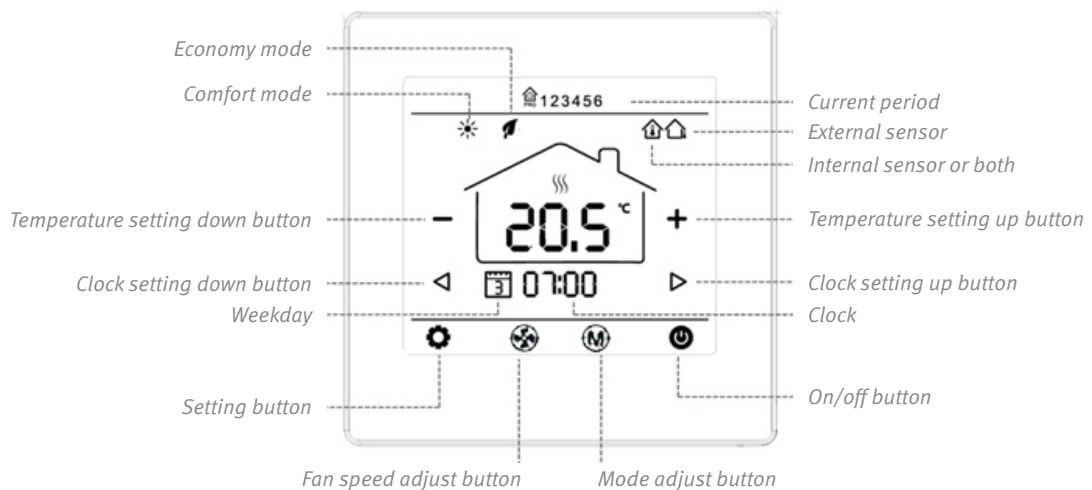
Built-in EC motor for a much lower energy consumption and a longer service life



Installation scheme see p. 280

\* Version Plug & play

# EASY TO CONTROL WITH THE NEW WI-FI THERMOSTAT



The thermostat and accompanying app enable the creation of a comfortable climate for each individual room. Operation can be done via the LCD touchscreen with background lighting (1) or via the app (2). Easily add different devices (3). Manual selection of the ideal temperature (4) & (5) Program your weekly program(6).

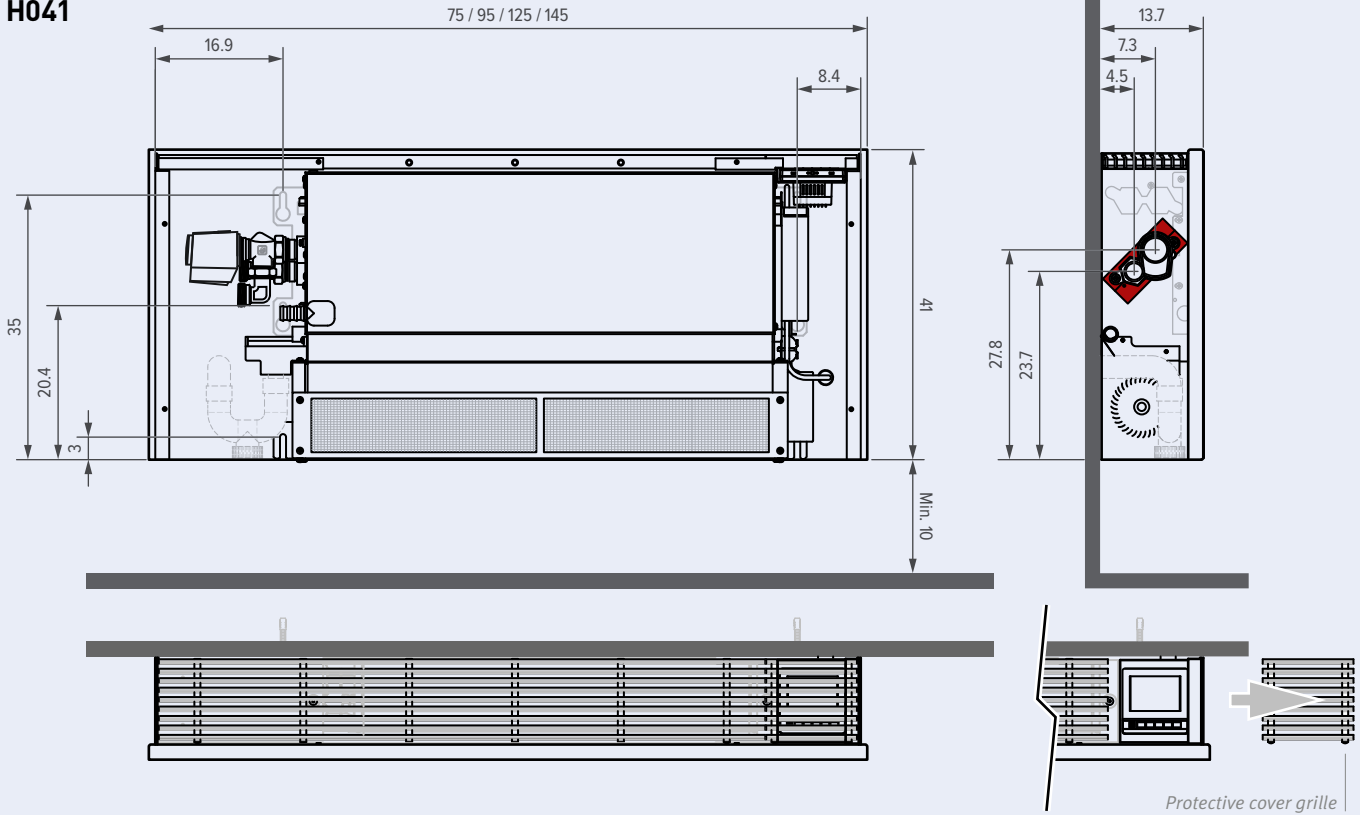


# BRIZA 12 ■ PLUG & PLAY

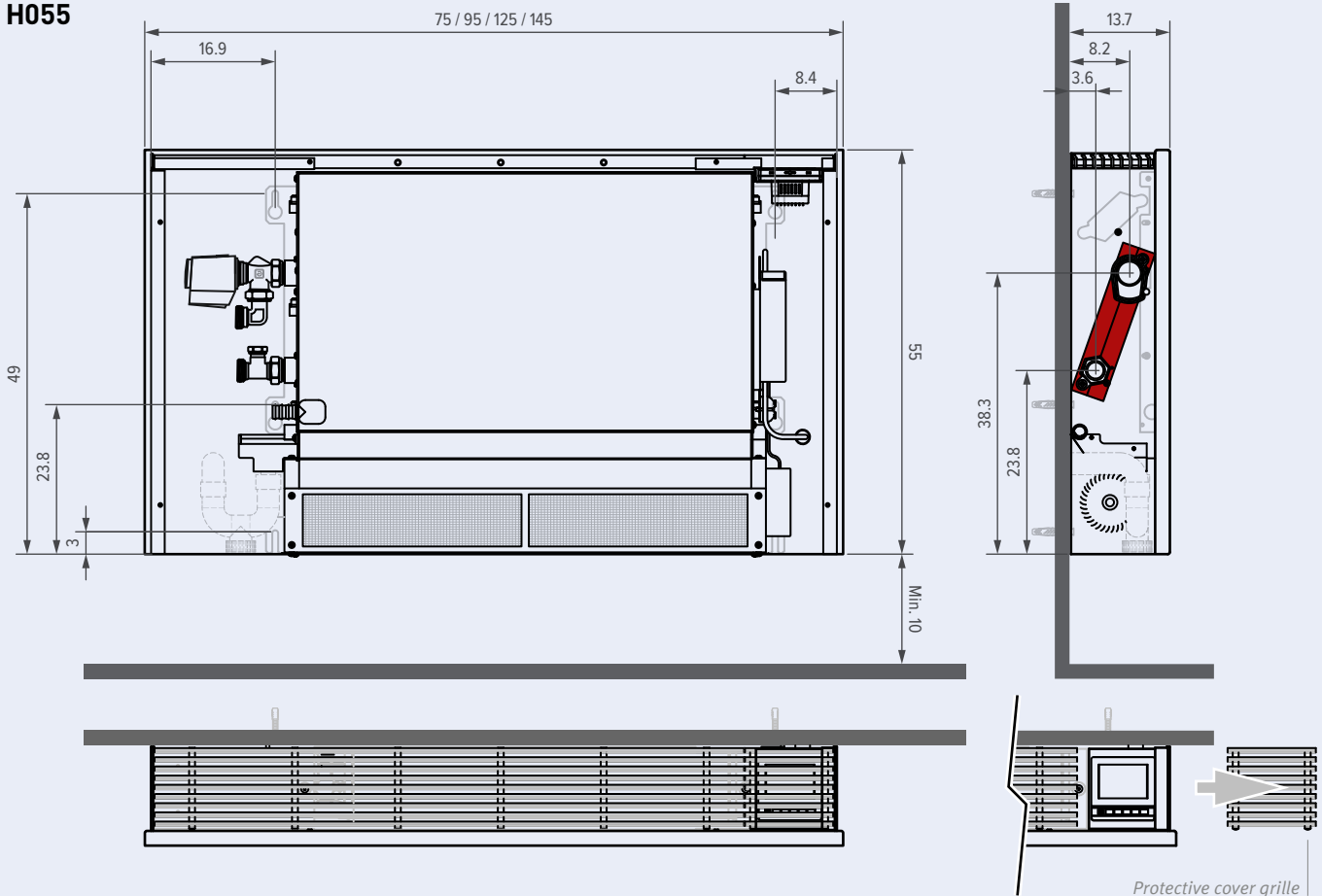
DIMENSIONS (in cm)

Completely preassembled devices with built-in power supply 24 VDC, WIFI-thermostat and valves

## H041



## H055



## STANDARD DELIVERY

- Integrated Wi-Fi thermostat with LCD touchscreen and app
- Integrated power supply 230 VAC > 24 VDC
- Integrated 24 VDC two-way valve connection with 3/4" Euroconus hydraulic connections on the left.
- Coating made from sendzimir galvanized steel plate with an aluminum grille in the same color.
- Sturdy casing manufactured from electro-galvanized steel
- Stainless steel air filter
- Condensate drain for deep cooling Ø 20mm
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- EC fans with dustproof ball bearings and vibration damping.
- Order sleeve couplings 3/4" Eurocone separate


## CONNECTION

Standard connection:  
3/4" Euroconus hydraulic connections on the left

## COLOUR

traffic white RAL 9016 (133), soft touch lightly structured satin powder coating

All technical information  
Go to [jaga.com](http://jaga.com)

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL Room temperature 27°C		COOLING SENSIBLE Room temperature 27°C	COOLING (NON-CONDENSING) Room temperature 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	ELECTRIC POWER CONSUMPTION Watts	STANDARD COLOURS €	 <b>2-PIPE</b>
H cm	L cm	T cm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts					
041	075	12	2	903	538	355	223	284	201	115	18.5	70	1.6	1459	BZMP.041 075 12.133 /20	
			4	1035	617	406	256	328	235	135	29.4	111	2.6			
			6	1194	712	469	296	382	276	159	31.3	155	4.3			
			8	1399	834	550	346	441	323	185	37.3	196	7.2			
			10	1669	996	656	413	503	373	214	42.5	235	13.0			
095	12	12	2	1545	921	607	382	472	334	191	24.0	119	2.5	1537	BZMP.041 095 12.133 /20	
			4	1699	1014	668	421	529	379	217	30.0	189	4.3			
			6	1797	1072	706	445	607	440	252	36.8	245	7.2			
			8	2243	1338	881	555	707	518	297	41.5	315	11.5			
			10	2749	1640	1080	680	828	614	352	44.5	380	18.0			
125	12	12	2	2431	1450	955	602	773	547	313	24.6	160	2.6	1759	BZMP.041 125 12.133 /20	
			4	2717	1620	1067	672	845	605	347	30.2	243	4.8			
			6	3090	1843	1214	765	953	691	396	37.0	328	8.0			
			8	3617	2157	1421	895	1106	811	465	42.5	419	14.0			
			10	4367	2604	1715	1081	1314	974	559	47.0	492	24.0			
145	12	12	2	2999	1788	1178	742	1015	718	412	25.7	190	2.8	1839	BZMP.041 145 12.133 /20	
			4	3401	2028	1336	842	1097	785	450	30.5	295	5.5			
			6	3894	2323	1530	964	1215	881	505	37.3	410	10.3			
			8	4551	2714	1788	1126	1390	1019	584	43.0	512	18.5			
			10	5444	3247	2138	1347	1640	1216	698	47.0	560	28.8			
055	075	12	2	1400	835	550	346	419	296	170	19.2	89	2.0	1699	BZMP.055 075 12.133 /20	
			4	1701	1014	668	421	521	373	214	25.2	130	3.2			
			6	2000	1193	786	495	617	447	256	32.2	169	5.5			
			8	2295	1369	902	568	705	517	296	38.1	212	9.6			
			10	2588	1544	1017	641	781	579	332	42.5	250	16.8			
095	12	12	2	2250	1342	884	557	728	515	295	23.0	127	2.2	1818	BZMP.055 095 12.133 /20	
			4	2781	1658	1092	688	872	624	358	27.8	193	3.6			
			6	3309	1973	1300	819	1025	743	426	34.4	262	5.7			
			8	3816	2276	1499	944	1171	859	492	39.9	320	9.6			
			10	4285	2555	1683	1060	1294	959	550	43.5	365	15.6			
125	12	12	2	3561	2124	1399	881	1170	827	474	23.1	168	2.8	2110	BZMP.055 125 12.133 /20	
			4	4420	2636	1736	1094	1387	993	569	29.1	259	5.4			
			6	5280	3149	2074	1307	1628	1179	676	36.5	353	10.0			
			8	6097	3637	2395	1509	1863	1365	783	42.5	437	18.0			
			10	6831	4074	2683	1690	2062	1529	877	46.5	513	28.8			
145	12	12	2	4509	2689	1771	1116	1455	1029	590	25.0	200	2.8	2244	BZMP.055 145 12.133 /20	
			4	5525	3295	2170	1367	1728	1237	709	30.8	297	5.5			
			6	6588	3929	2588	1630	2030	1471	843	37.5	396	10.0			
			8	7615	4542	2991	1884	2324	1704	977	42.8	500	18.0			
			10	8526	5085	3349	2110	2575	1910	1095	46.5	583	28.8			

Output measured in accordance with EN16430

\*Schallmessung nach ISO 3741:2010, 2 m von das Gerät entfernt und bei einer angenommenen Raumdämpfung von 8 dB(A) / Rauminhalt 100 m³ / Nachschallzeit 0.5 sec.

# BRIZA 12 - BASIC - WITH CASING

## BZBW INSTALLATION IN A WALL RECESS

## BZBC BUILT-IN CEILING

Hydraulic connection  
2-pipe 1/2"  
4-pipe 1/2"

Sturdy casing manufactured  
from electro-galvanised steel

Heat exchanger with hydrophilic  
coating for optimum cooling  
performance

Metal condensate tray with  
epoxy-polyester coating

Tangential fans



Electrical connection



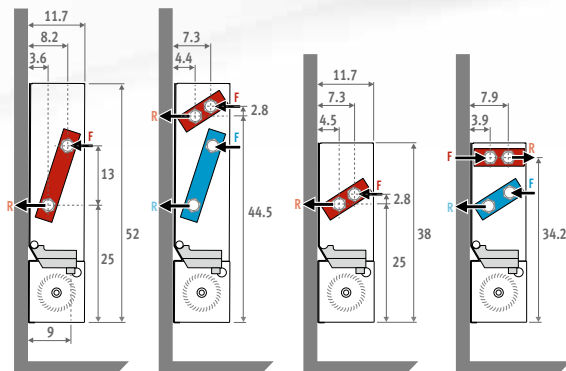
EC motor 24 VDC

Stainless steel air filter

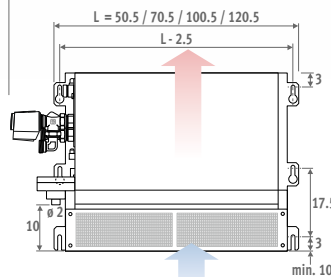
Mounting of the fan blade using  
dust/oil-free ball bearings

## DIMENSIONS (in cm)

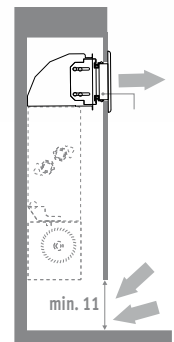
H 52 / 2-pipe    H 52 / 4-pipe    H 38 / 2-pipe    H 38 / 4-pipe



Option connection set for  
2-pipe or 4-pipe



Built-in model with air outlet corner piece

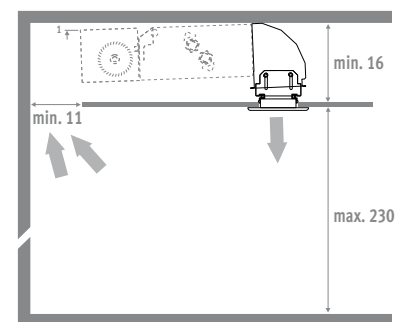
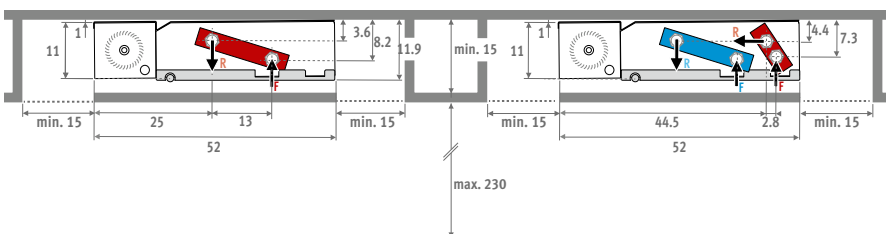


## BUILT-IN CEILING (in cm)

H 52 / 2-pipe

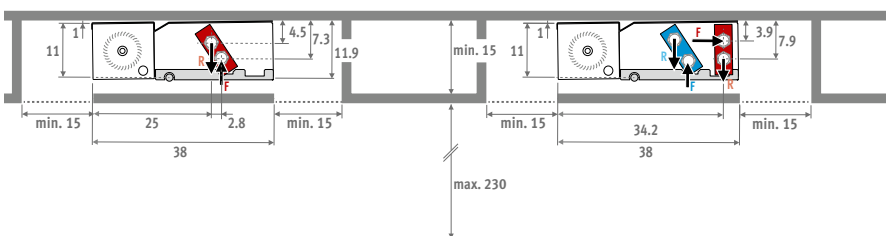
H 52 / 4-pipe

Built-in model with air outlet corner piece



H 38 / 2-pipe

H 38 / 4-pipe

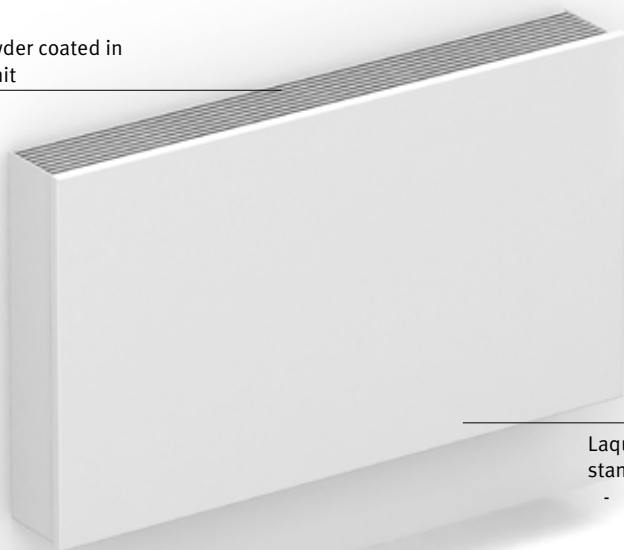




# WITH CASING (BZMW - BZMC) - BASIC - BRIZA12

## BZMW WALL MOUNTED MODEL

aluminium top grille, powder coated in the same colour as the unit



## BZMC CEILING MOUNTED MODEL



Laquered casing in sendzimir galvanized steel plate standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
- sandblast grey (001), fine texture metallic powder coating
- off-black (145), soft touch lightly-textured satin lacquer

Other colours: see colour chart

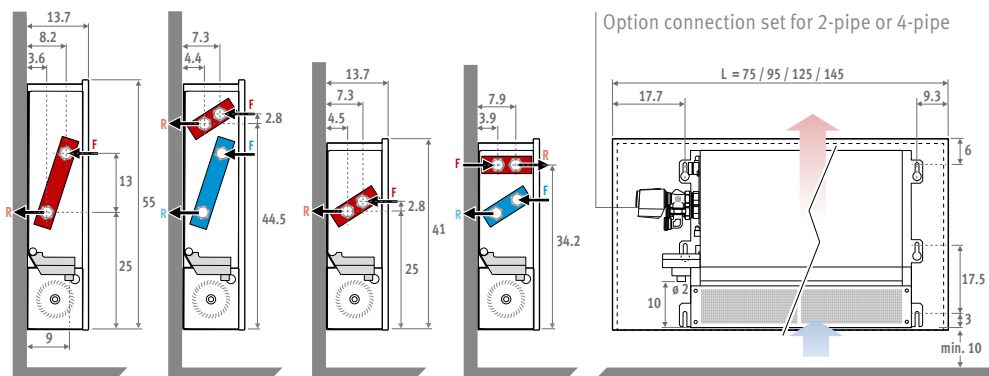
### DIMENSIONS (in cm)

H 55 / 2-pipe

H 55 / 4-pipe

H 41 / 2-pipe

H 41 / 4-pipe

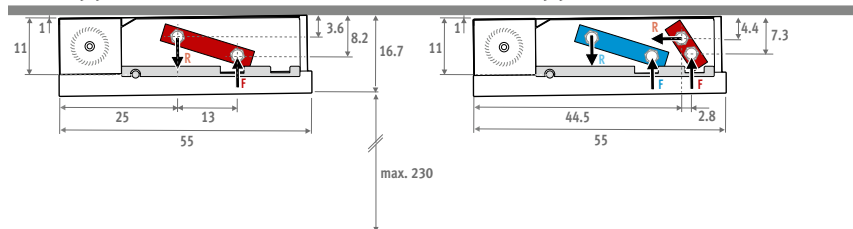


F: Supply  
R: Return  
3/4" Eurocone

### CEILING MOUNTED MODEL (in cm)

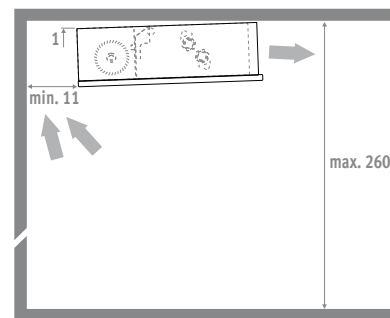
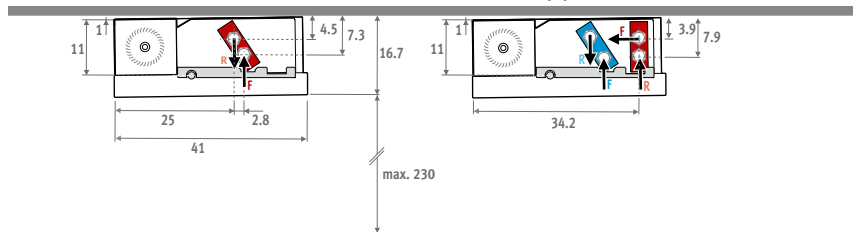
H 55 / 2-pipe

H 55 / 4-pipe



H 41 / 2-Rohr

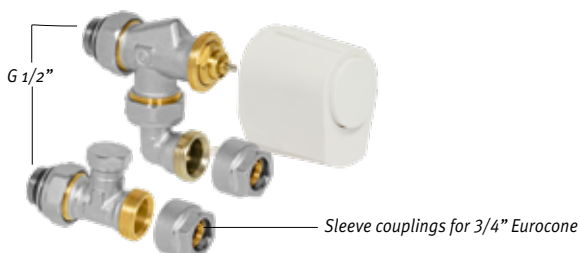
H 41 / 4-pipe



# BRIZA 12 BASIC - OPTIONS

## 1. CONNECTION SETS

### OPTION 1: CONNECTION SET 24 VDC



- thermo-electrical motor 24 VDC 0-10V oder 24VDC
- valve 3/4" Eurocone 90°
- lockshield 3/4" Eurocone 180°

Set  
**295**

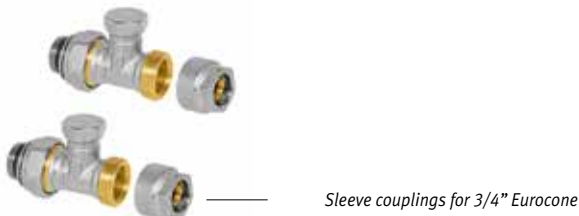
Kv max. 0.6

**TWO PIPE**

€

CODY.SC5.10.4...	10 VDC	<b>220</b>
CODY.SC5.24.4...	24 VDC	<b>127</b>

### OPTION 2: CONNECTION SET WITH 2 LOCKSHIELDS 180°



Set  
**290**

€

CODY.LOC.00.4...	<b>71</b>
------------------	-----------

## SLEEVE COUPLINGS EUROCONE

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

## 2. POWER SUPPLY

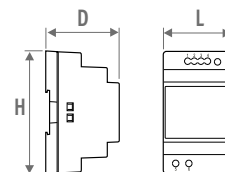
### OPTION 1: POWER SUPPLY IN THE DEVICE

- With waterproof cable gland
- CONFORMITY: UL1310 - EN 60950-1 / CLASS 2
- Output voltage 24 VDC
- Input voltage 100 - 240 VAC
- Dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	Output Watts	Output current A	Surcharge €
/P	40	1.67	<b>115</b>



### OPTION 2: POWER SUPPLY DIN-RAIL MONTAGE



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

The guarantee is only valid if the original Jaga power supply is used.

- For DIN-rail- or wall mounting
- Conformity: UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- Output voltage 24 VDC
- Input voltage 100 - 240 VAC
- Screw connection
- LED indicator

#### MAXIMUM CABLE LENGTH

Maximum cable length in function of the number of devices.  
see [jaga.com](http://jaga.com)

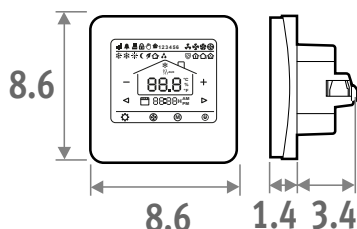
CODE	Output Watts	Output current A	€
7990.054	36	1.5	<b>46</b>
7990.055	60	2.5	<b>63</b>
7990.056	92	3.9	<b>90</b>
7990.057	150	6.25	<b>180</b>

Required power = sum of the power consumption of the devices

## 3. THERMOSTATS

**OPTION 1: JRT-100TW**  
**NEW: WI-FI THERMOSTAT WITH TOUCH-SCREEN AND APP.**

Control per room for one or multiple devices



- Jaga clock thermostat for recessed/panel mounting
- Fan speed: 4V/6V/10V or auto
- power supply voltage 24 VDC  
Combine with power supply 2.1 or 2.2.
- Output(s) control signal 0-10 VDC
- Programmable zones
- Protection category IP30



Touchscreen



WiFi



App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- Control valves 24 VDC heating/cooling
- Thermostat to be mounted in a junction box
  - Spacing holes at 6 cm
  - Minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE			€
8751.050017	Built-in	White	171
8751.050019	Built-in	Black	171



JRT-200

JRT-100

Siemens clock thermostat

Technical data: see [jaga.com](http://jaga.com)

## 4. PRODUCT CONTROLLERS

Recommended if temperature monitoring is required. The fans will never run unless the water temperature is below 18 ° C in cooling mode, or above 28 ° C in heating mode.

### OPTION 1: JAGA DYNAMIC PRODUCT CONTROLLER

The Jaga Dynamic Product Controller is delivered pre-set and mounted in the unit and must therefore be ordered together with the device.



#### WHAT DOES THE JDPC DO?

- Control per appliance
- Control with sensor for water temperature, pre-configured and assembled by Jaga
- Heating/cooling/standby with automatic switch (temporary manual adjustment is possible: contact Jaga for more information)
- 0-10 V input for building management system/thermostats
- Only for 2 pipe wall mounted model with casing
- Power supply voltage 24 VDC

Delivered preassembled and must therefore be ordered together with the device!

CODE		Surcharge €
DPC.BR72	Heating and cooling	99

### OPTION 2: JAGA DYNAMIC PRODUCT CONTROLLER WITH CONTROL PANNEL



#### WHAT DOES THE JDPC DO?

- Control with touch operation and sensors for water and room temperature, pre-configured and assembled by Jaga
- Heating/cooling/standby with automatic switch (temporary manual adjustment is possible: contact Jaga for more information)
- Control:
  - o Standby
  - o Heating: 3 speeds  
(Operates at water temperature > 28°C, can easily be modified)
  - o Cooling: 3 speeds  
(Operates at water temperature < 18°C, can easily be modified)
- Indication of operating mode by LED's
- Only for 2 pipe wall mounted model with casing
- power supply voltage 24 VDC

Delivered preassembled and must therefore be ordered together with the device!

CODE		Surcharge
DPC.BRC6	Heating and cooling	125

# BRIZA 12 ■ WITH CASING 2-PIPE

## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - traffic white RAL 9016 (133),  
Soft touch sanft strukturierte Seidenglanzausführung
  - sandblast grey (001),  
fine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart
- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge



**BZMC** Ceiling mounted model



**BZMW** Wall mounted model

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING Non-condensing ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	STANDARD COLOURS	OTHER COLOURS	2-PIPE
H	L	T		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18						
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts							
041	075	12	2	903	542	353	223	285	202	115	19	70	2	846	1148	BZMW.041 075 12.XXX /20	
			4	1035	621	405	255	329	236	135	29	111	3				
			6	1194	717	468	295	383	277	159	31	155	4				
			8	1399	840	548	345	443	325	185	37	196	7				
			10	1669	1002	654	412	505	375	214	43	235	13				
095	12	12	2	1545	927	605	381	473	335	191	24	119	3	924	1226	BZMW.041 095 12.XXX /20	
			4	1699	1020	665	419	531	380	217	30	189	4				
			6	1797	1078	704	443	609	442	252	37	245	7				
			8	2243	1346	878	553	709	520	297	42	315	12				
			10	2749	1650	1076	678	831	617	352	45	380	18				
125	12	12	2	2431	1458	952	599	776	548	313	25	160	3	1145	1447	BZMW.041 125 12.XXX /20	
			4	2717	1630	1064	670	848	607	347	30	243	5				
			6	3090	1854	1210	762	957	693	396	37	328	8				
			8	3617	2170	1416	892	1110	814	465	43	419	14				
			10	4367	2620	1710	1077	1318	978	559	47	492	24				
145	12	12	2	2999	1799	1174	740	1018	720	412	26	190	3	1227	1529	BZMW.041 145 12.XXX /20	
			4	3401	2041	1332	839	1101	788	450	31	295	6				
			6	3894	2337	1525	960	1220	884	505	37	410	10				
			8	4551	2731	1782	1122	1395	1023	584	43	512	19				
			10	5444	3266	2131	1343	1646	1221	698	47	560	29				
055	075	12	2	1400	840	548	345	420	297	170	19	89	2	1086	1388	BZMW.055 075 12.XXX /20	
			4	1701	1021	666	420	523	374	214	25	130	3				
			6	2000	1200	783	493	620	449	256	32	169	6				
			8	2295	1377	899	566	708	519	296	38	212	10				
			10	2588	1553	1013	638	784	581	332	43	250	17				
095	12	12	2	2250	1350	881	555	730	517	295	23	127	2	1204	1506	BZMW.055 095 12.XXX /20	
			4	2781	1668	1089	686	875	626	358	28	193	4				
			6	3309	1985	1295	816	1029	746	426	34	262	6				
			8	3816	2290	1494	941	1176	862	492	40	320	10				
			10	4285	2571	1678	1057	1298	963	550	44	365	16				
125	12	12	2	3561	2136	1394	878	1174	830	474	23	168	3	1499	1801	BZMW.055 125 12.XXX /20	
			4	4420	2652	1731	1090	1391	996	569	29	259	5				
			6	5280	3168	2067	1302	1634	1183	676	37	353	10				
			8	6097	3658	2387	1504	1869	1370	783	43	437	18				
			10	6831	4098	2674	1685	2069	1535	877	47	513	29				
145	12	12	2	4509	2705	1765	1112	1460	1033	590	25	200	3	1633	1935	BZMW.055 145 12.XXX /20	
			4	5525	3315	2163	1363	1734	1242	709	31	297	6				
			6	6588	3953	2579	1625	2037	1476	843	38	396	10				
			8	7615	4569	2981	1878	2332	1710	977	43	500	18				
			10	8526	5115	3338	2103	2584	1917	1095	47	583	29				

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BZMW (Wall mounted model)  
BZMC (Ceiling mounted model)

enter colour  
code

# WITH CASING 4-PIPE BRIZA 12

## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
  - sandblast grey (001), fine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look, gloss degree < 10%
- Other colours: see colour chart
- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Second heat exchanger, G1/2" F
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.



**BZMC** Ceiling mounted model



**BZMW** Wall mounted model

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL RAUMTEMPERATUR 27°C		COOLING SENSIBLE RAUMTEMPERATUR 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	STANDARD COLOURS	OTHER COLOURS	4-PIPE
H	L	T		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18						
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts							
041	075	12	2	698	419	273	172	229	162	92	19	32	2	980	1282	BZMW.041 075 12.XXX /4/20	
			4	840	504	329	207	267	191	109	29	67	3				
			6	948	569	371	234	310	224	128	31	95	5				
			8	1120	672	438	276	355	260	149	37	128	8				
			10	1336	802	523	330	403	299	171	43	157	14				
095	12	12	2	1211	726	474	299	365	258	148	24	57	2	1077	1379	BZMW.041 095 12.XXX /4/20	
			4	1349	810	528	333	432	309	177	30	101	3				
			6	1529	918	599	377	493	357	204	37	158	6				
			8	1797	1078	704	443	566	415	237	42	213	8				
			10	2200	1320	861	543	664	493	282	45	252	14				
125	12	12	2	1924	1155	753	475	594	420	240	25	80	2	1367	1669	BZMW.041 125 12.XXX /4/20	
			4	2163	1298	847	533	676	484	276	30	164	4				
			6	2470	1482	967	609	767	556	318	37	242	7				
			8	2896	1738	1134	714	887	651	372	43	305	13				
			10	3492	2095	1367	861	1055	782	447	47	400	21				
145	12	12	2	2380	1428	932	587	720	509	291	26	98	3	1477	1779	BZMW.041 145 12.XXX /4/20	
			4	2722	1633	1066	671	843	603	345	31	174	5				
			6	3119	1872	1221	769	967	701	400	37	249	9				
			8	3641	2185	1426	898	1118	819	468	43	318	17				
			10	4355	2613	1705	1074	1316	976	558	47	420	29				
055	075	12	2	610	366	239	150	341	241	138	19	30	2	1185	1487	BZMW.055 075 12.XXX /4/20	
			4	696	418	272	172	398	285	163	25	74	2				
			6	778	467	305	192	466	337	193	32	118	4				
			8	923	554	361	228	533	390	223	38	151	6				
			10	1102	661	431	272	588	436	249	43	188	10				
095	12	12	2	1000	600	391	247	557	394	225	23	79	2	1327	1629	BZMW.055 095 12.XXX /4/20	
			4	1115	669	437	275	656	470	268	28	135	3				
			6	1250	750	489	308	767	556	318	34	185	6				
			8	1480	888	579	365	876	643	367	40	251	10				
			10	1813	1088	710	447	973	721	412	44	282	16				
125	12	12	2	1570	942	615	387	868	614	351	23	123	2	1633	1935	BZMW.055 125 12.XXX /4/20	
			4	1798	1079	704	444	1042	746	426	29	201	4				
			6	2040	1224	799	503	1229	890	509	37	286	8				
			8	2399	1440	939	592	1406	1031	589	43	360	13				
			10	2879	1727	1127	710	1551	1151	658	47	423	22				
145	12	12	2	1980	1188	775	488	1130	799	457	25	139	3	1795	2097	BZMW.055 145 12.XXX /4/20	
			4	2245	1347	879	554	1307	935	534	31	251	5				
			6	2565	1539	1004	633	1526	1106	632	38	334	9				
			8	2996	1797	1173	739	1748	1282	732	43	432	16				
			10	3591	2154	1406	886	1935	1435	820	47	508	27				

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BZMW (Wall mounted model) enter colour code  
BZMC (Ceiling mounted model)

# BRIZA 12 ■ BUILT-IN 2-PIPE

## STANDARD DELIVERY

- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.



**BZBC** Built-in ceiling



**BZBW** Installation in a wall recess

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	PRICE	2-PIPE
H	L	T		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18					
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts						
038	052	12	2	1000	600	392	247	280	198	113	19	70	2	725	BZBW.038 052 12./20	
			4	1150	690	450	284	348	249	142	25	111	3			
			6	1310	786	513	323	417	302	172	33	155	4			
			8	1530	918	599	377	486	356	203	39	196	7			
			10	1836	1102	719	453	555	412	235	44	235	13			
	072	12	2	1619	971	634	399	489	346	198	22	119	3	788	BZBW.038 072 12./20	
			4	1982	1189	776	489	572	409	234	28	189	4			
			6	2099	1259	822	518	670	485	277	35	245	7			
			8	2461	1476	963	607	784	575	329	41	315	12			
			10	3021	1813	1183	745	914	678	387	45	380	18			
	102	12	2	2604	1562	1020	642	807	571	326	23	160	3	981	BZBW.038 102 12./20	
			4	3192	1915	1250	787	903	646	369	30	243	5			
			6	3409	2045	1335	841	1043	755	432	38	328	8			
			8	3995	2397	1564	986	1226	898	513	44	419	14			
			10	4799	2879	1879	1184	1450	1075	615	49	492	24			
	122	12	2	3273	1964	1282	808	971	686	392	26	190	3	1049	BZBW.038 122 12./20	
			4	4023	2414	1575	992	1033	739	423	31	295	6			
			6	4297	2578	1683	1060	1271	921	526	38	410	10			
			8	5021	3013	1966	1239	1565	1147	656	44	512	19			
			10	5983	3590	2342	1476	1801	1336	763	48	560	29			
052	052	12	2	1500	900	587	370	462	327	187	21	89	2	938	BZBW.052 052 12./20	
			4	1751	1050	685	432	543	388	222	27	130	3			
			6	2109	1266	826	520	643	466	266	34	169	6			
			8	2400	1440	940	592	756	554	317	40	212	10			
			10	2717	1630	1064	670	823	611	349	44	250	17			
	072	12	2	2465	1479	965	608	790	559	319	22	127	2	1049	BZBW.052 072 12./20	
			4	2931	1759	1148	723	922	660	377	27	193	4			
			6	3499	2099	1370	863	1073	778	444	35	262	6			
			8	4011	2406	1570	989	1226	899	513	41	320	10			
			10	4499	2699	1761	1110	1362	1010	577	45	365	16			
	102	12	2	3895	2337	1525	961	1257	889	508	24	168	3	1306	BZBW.052 102 12./20	
			4	4651	2791	1821	1147	1455	1041	595	30	259	5			
			6	5549	3329	2172	1369	1709	1238	708	38	353	10			
			8	6391	3834	2502	1577	1966	1441	823	44	437	18			
			10	7172	4303	2808	1769	2171	1610	920	48	513	29			
	122	12	2	4652	2791	1821	1148	1550	1096	627	26	200	3	1427	BZBW.052 122 12./20	
			4	5794	3476	2268	1429	1823	1305	746	32	297	6			
			6	6924	4154	2711	1708	2149	1557	890	39	396	10			
			8	7994	4796	3130	1972	2439	1788	1022	45	500	18			
			10	8954	5373	3506	2209	2711	2011	1149	49	583	29			

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

**BZBW** (Installation in a wall recess)  
**BZBC** (Built-in ceiling)

# BUILT-IN 4-PIPE ■ BRIZA 12

## STANDARD DELIVERY

- tangential activators with aluminium fins, ball bearings and resin-coated EPDM vibration damping
- Stainless steel air filter
- Condensation tray with drain
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G1/2" F.
- Second heat exchanger, G1/2" F
- Sturdy casing manufactured from electro-galvanised steel

## CONNECTION

- Standard connection:
- Hydraulic connection 3/4" Eurocone left
  - Clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.
- Other connection:
- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge



**BZBC** Built-in ceiling



**BZBW** Installation in a wall recess

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	PRICE	4-PIPE
H	L	T		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)					
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts						
038	052	12	2	799	480	313	197	248	175	100	19	32	2	859	BZBW.038 052 12./4/20	
			4	918	551	359	226	292	209	119	25	67	3			
			6	1053	632	412	260	339	246	140	33	95	5			
			8	1228	737	481	303	390	286	163	39	128	8			
			10	1468	881	575	362	443	329	188	44	157	14			
	072	12	2	1343	806	526	331	407	288	165	22	57	2	943	BZBW.038 072 12./4/20	
			4	1497	898	586	369	469	336	192	28	101	3			
			6	1681	1009	658	415	537	389	222	35	158	6			
			8	1965	1179	769	485	621	455	260	41	213	8			
			10	2417	1450	946	596	731	542	310	45	252	14			
	102	12	2	2102	1261	823	518	668	472	270	23	80	2	1198	BZBW.038 102 12./4/20	
			4	2395	1437	938	591	744	533	305	30	164	4			
			6	2731	1638	1069	673	841	609	348	38	242	7			
			8	3186	1912	1247	786	974	714	408	44	305	13			
			10	3839	2303	1503	947	1160	860	492	49	400	21			
	122	12	2	2606	1564	1020	643	821	580	332	26	98	3	1300	BZBW.038 122 12./4/20	
			4	2998	1799	1174	739	930	666	380	31	174	5			
			6	3431	2059	1343	846	1057	766	438	38	249	9			
			8	3997	2398	1565	986	1222	896	512	44	318	17			
			10	4787	2872	1874	1181	1444	1071	612	48	420	29			
052	052	12	2	640	384	251	158	354	251	143	21	30	2	1036	BZBW.052 052 12./4/20	
			4	725	435	284	179	414	296	169	27	74	2			
			6	830	498	325	205	491	356	203	34	118	4			
			8	969	582	379	239	554	406	232	40	151	6			
			10	1157	694	453	285	618	458	262	44	188	10			
	072	12	2	1050	630	411	259	577	408	233	22	79	2	1171	BZBW.052 072 12./4/20	
			4	1176	706	461	290	687	492	281	27	135	3			
			6	1314	789	515	324	808	585	334	35	185	6			
			8	1550	930	607	382	925	678	387	41	251	10			
			10	1903	1142	745	469	1022	758	433	45	282	16			
	102	12	2	1650	990	646	407	945	668	382	24	123	2	1440	BZBW.052 102 12./4/20	
			4	1891	1134	740	466	1098	786	449	30	201	4			
			6	2150	1290	842	530	1291	936	535	38	286	8			
			8	2503	1502	980	617	1467	1075	615	44	360	13			
			10	3023	1814	1184	746	1629	1208	690	48	423	22			
	122	12	2	2002	1201	784	494	1151	814	465	26	139	3	1589	BZBW.052 122 12./4/20	
			4	2362	1417	925	583	1372	982	561	32	251	5			
			6	2700	1620	1057	666	1610	1166	666	39	334	9			
			8	3152	1891	1234	777	1839	1348	770	45	432	16			
			10	3769	2261	1476	930	2033	1508	862	49	508	27			

Output measured in accordance with EN16430

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

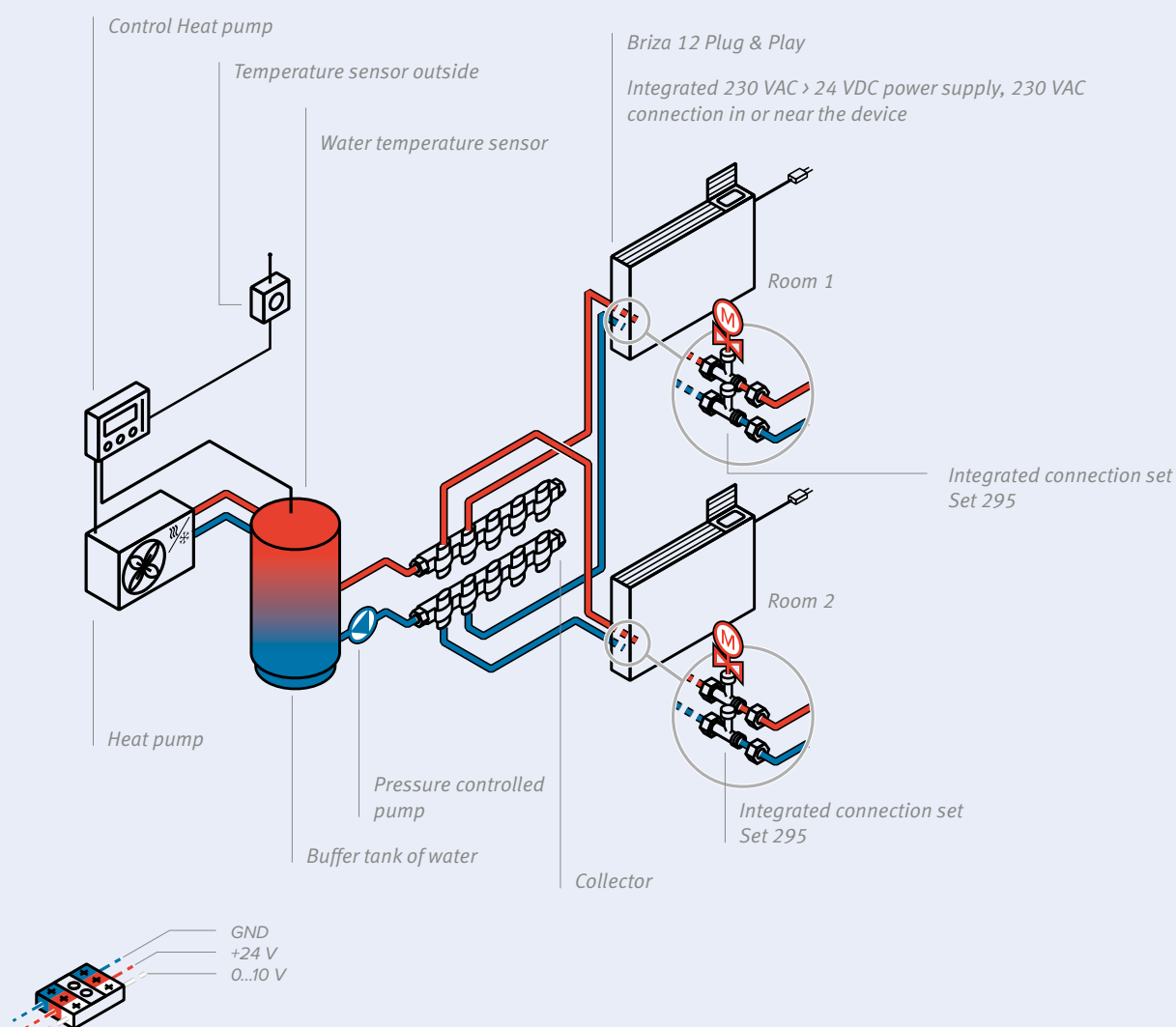
BZBW (Installation in a wall recess)  
BZBC (Built-in ceiling)

# BRIZA 12 ■ INSTALLATION SCHEMES ■ PLUG & PLAY

## Heat pump and Briza Plug & Play with integrated Wi-Fi room thermostat and electrically controlled valves.

Temperature control in every unit/room via the integrated room thermostat. The heat pump works autonomously and supplies water according to the weather conditions.

### Example



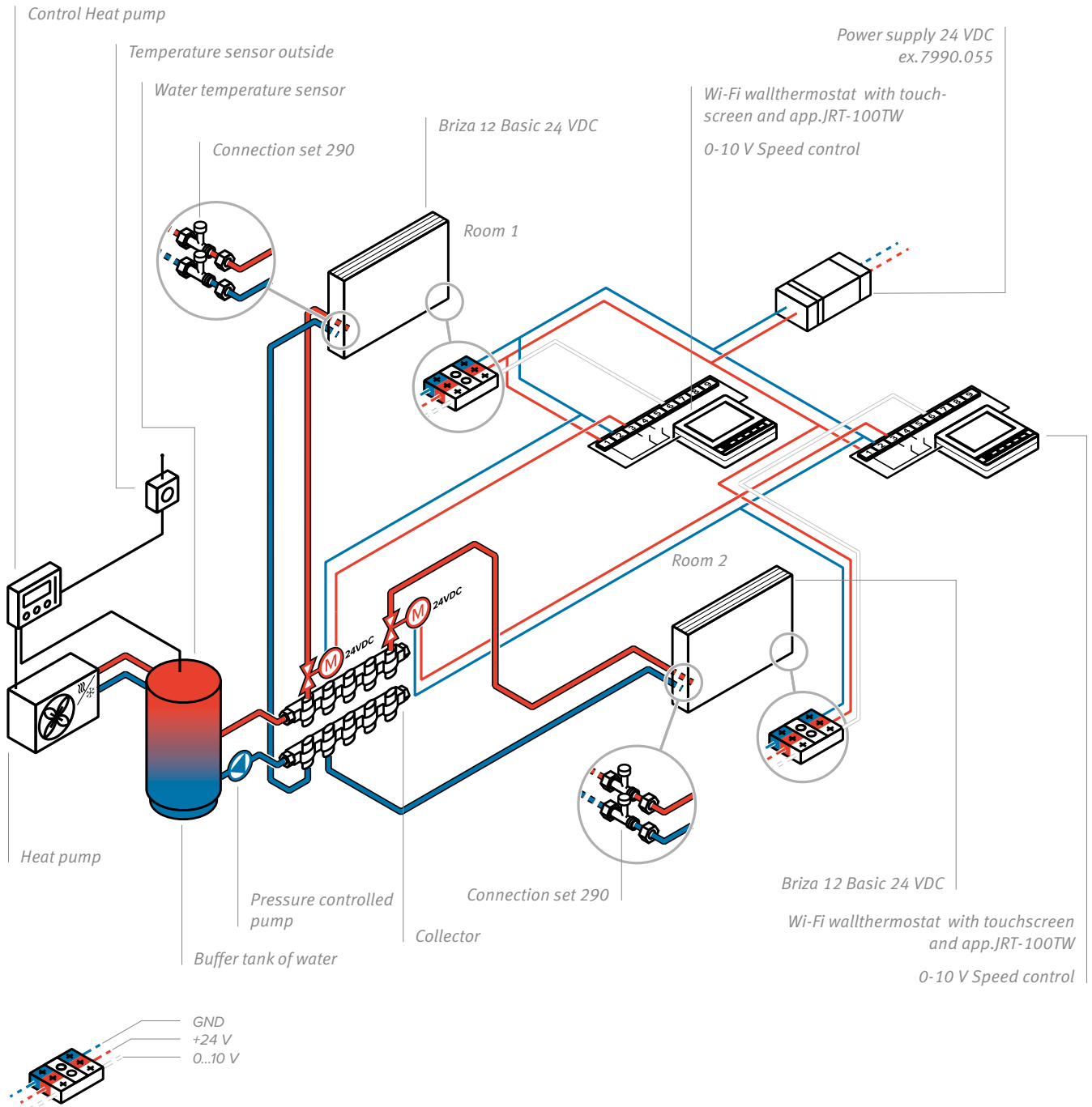


# BASIC ■ INSTALLATION SCHEMES ■ BRIZA 12

## Heat pump and Briza BASIC (24 VDC) with external room thermostat and external fan control.

The external room thermostat manages the Briza's fan speed via a 0-10 V signal and controls the electrically controlled valves on the distributor ( open/closed) in order to switch between heating and cooling. The heat pump works autonomously and supplies water according to the weather conditions.

### Example

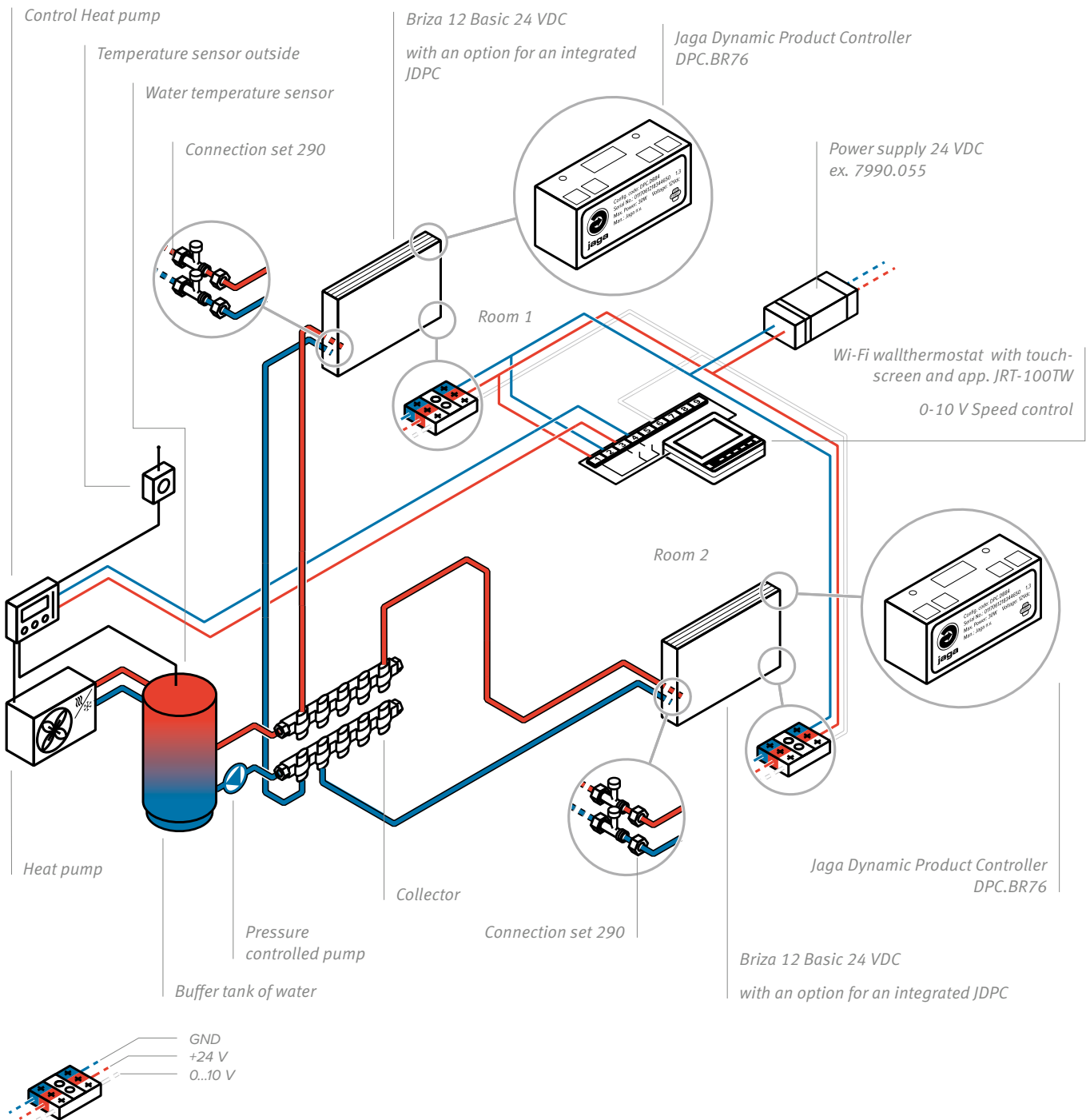


# BRIZA 12 ▪ INSTALLATION SCHEMES ▪ BASIC

## Heat pump and Briza BASIC (24VDC) with external room thermostat, external fan control and integrated water temperature monitoring.

Heat pump and Briza Basic (24V) with JDPC option, used with an external room thermostat. The external room thermostat adjusts the Briza's fan speed via a 0-10V signal. The JDPC option (for mounted Jaga Dynamic Product Controller) provides water temperature monitoring and possible fan speed adjustment. The heat pump supplies water according to the room thermostat's heating/ cooling demand.

### Example

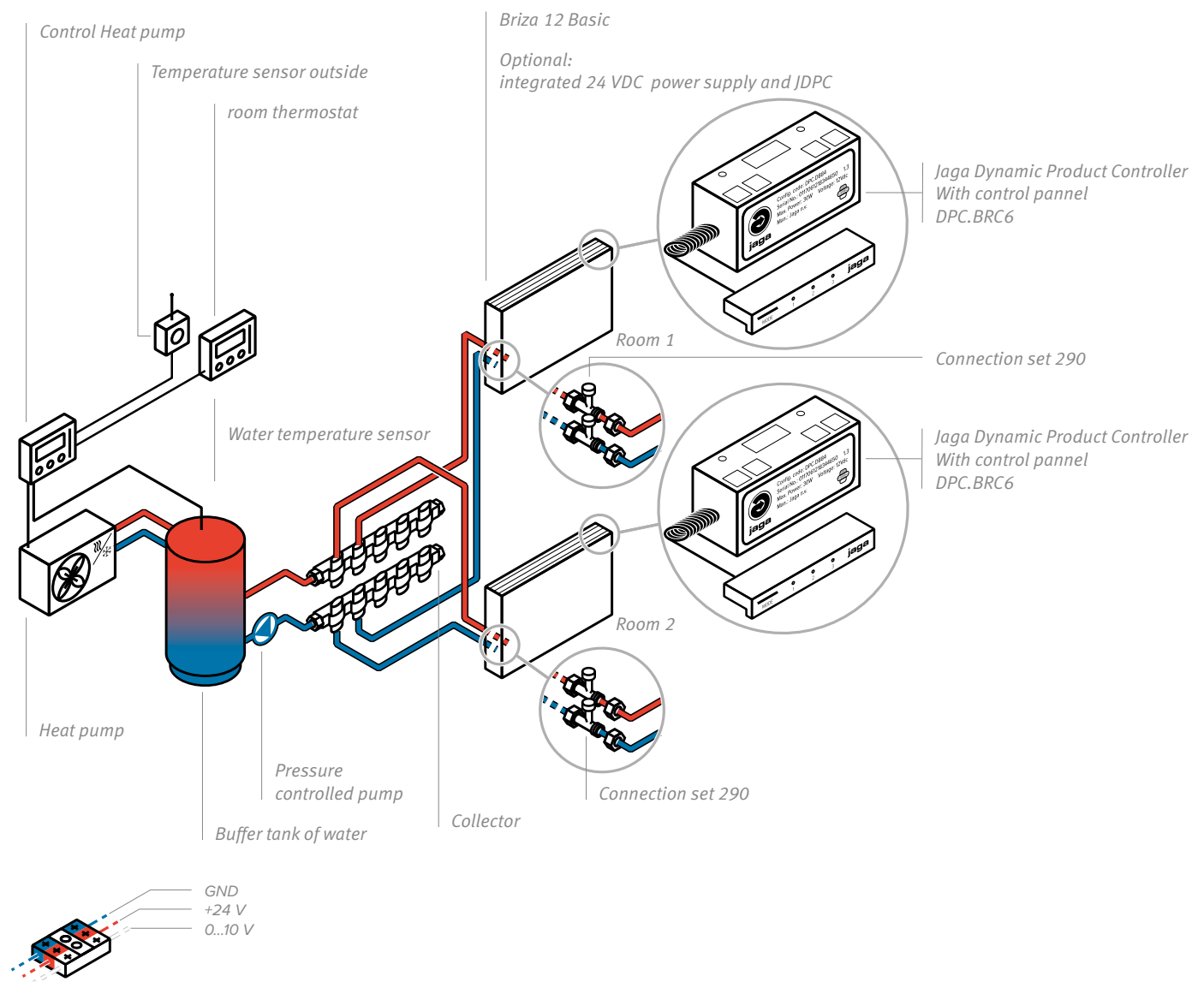


# BASIC ■ INSTALLATION SCHEMES ■ BRIZA 12

## Heat pump and Briza BASIC (24 VDC) with preassembled JDPC with control panel (option)

Integrated electronic JDPC unit with water temperature monitoring and a 3-position control of the fan speed with a control panel on the device. The Briza will start up when warm or cold water enters the heat exchanger, which is controlled by a heat pump with thermostatic control.

### Example



# jaga

CLIMATE DESIGNERS

## BRIZA 22

Easy to install fan convector  
for in-wall or in-ceiling  
installation

Super-power for heating,  
cooling and ventilation

**Briza 22 is the most powerful ventilo-convector for exhibition and retail spaces, office and meeting rooms, school buildings, hotels, winter gardens, etc. Jaga Briza fan convectors ensure the highest climate comfort while being energy-efficient and whisper-quiet. They bring every room up to temperature very quickly, both in winter and in summer. This way you can enjoy an ideal indoor climate year-round.**

- Built-in EC motor for a much lower energy consumption and a longer service life, suitable for connection to any heat source and ideal in combination with heat pumps and low temperature systems, optimized cooling capacity due to the new hydrophilic protection of the copper-aluminum coil, suitable for non-condensing and condensing cooling in combination with any heat pump that has a cooling function, with built-in room thermostat or controllable via the latest home automation systems, two-pipe system for cooling or heating through a single water-side circuit, 4-pipe system for cooling and heating through two water-side circuits.
- For 2-pipe or 4-pipe
- Also available for in-ceiling installation.



EBM-PAPST motors with Energy  
Efficiency Award



# BRIZA 22

# BRIZA 22 - BUILT-IN (BABW - BABC)



Heat exchanger with hydrophilic coating for optimum cooling performance

Hydraulic connection  
2-pipe G3/4"  
4-pipe G1/2"

Sturdy casing manufactured from electro-galvanised steel

Metal condensate tray with epoxy-polyester coating

Centrifugal fan(s) with twin inlet



Electrical connection

Filter Class G2

Mounting of the fan blade using dust/oil-free ball bearings

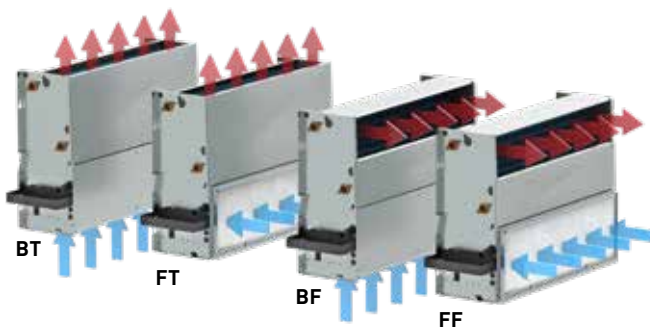
Greentech EC motor 230 VAC 0-10V



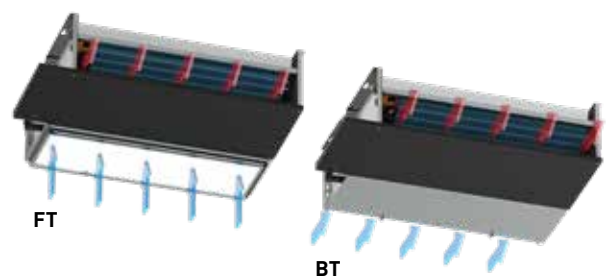
## GREENTECH EC-MOTORS

EC motors reduce operating costs, reduce the impact on the environment and impress with their quiet operation. Due to the higher efficiency of the EC motors, the energy consumption is directly linked to the rotation speed and thus the flow rate of the fan. The actual power consumption is determined by the (variable) speed.

### INSTALLATION IN A WALL RECESS BABW



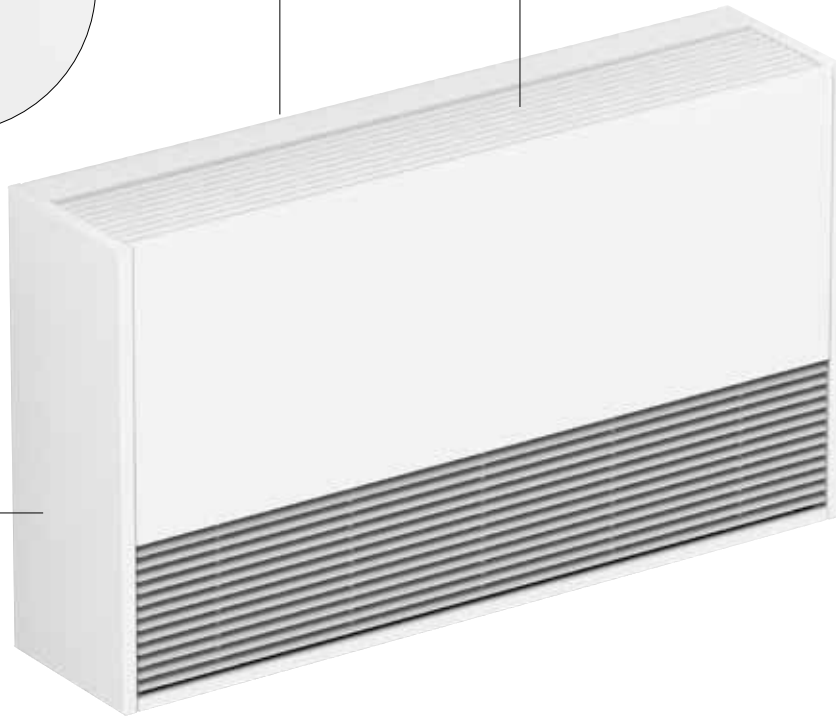
### BUILT-IN CEILING BABC





back panel to aesthetically seal off the space between the radiator and the wall  
 - pre-painted in dark gray RAL 7024

aluminium top grille, powder coated in the same colour as the unit



Laquered casing in sendzimir galvanized steel plate  
 standard colours:

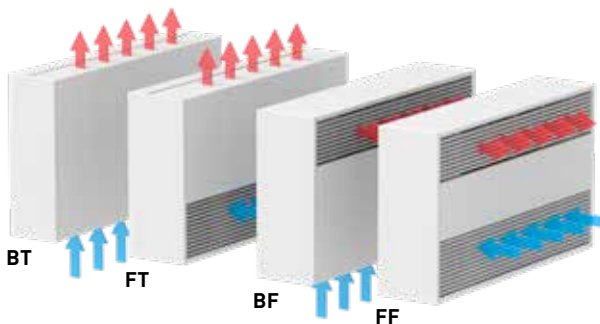
- traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
- sandblast grey (001), fine texture metallic powder coating
- off-black (145), soft touch lightly-textured satin lacquer

Other colours: see colour chart

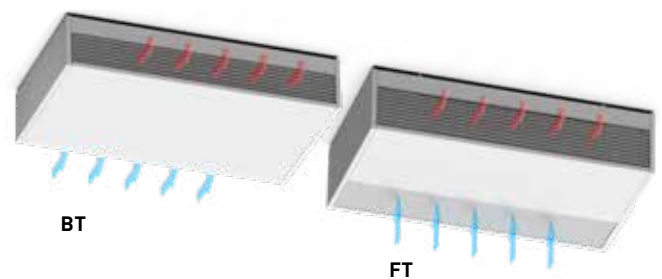
### EASY INSTALLATION

The units are light and compact. In order to facilitate the installation, the construction is done with an eye for detail. Despite its small dimensions, there is sufficient space for connecting and installing additional components.

#### WALL MOUNTED MODEL BAMW

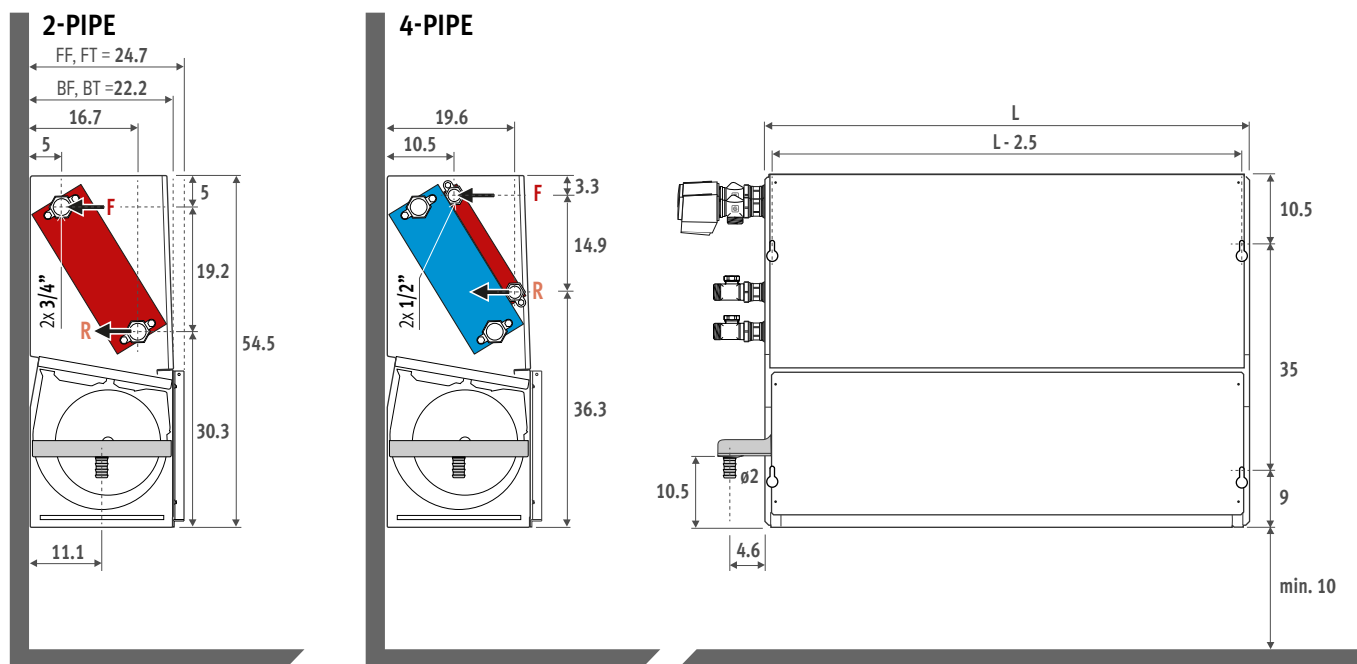


#### CEILING MOUNTED MODEL BAMC



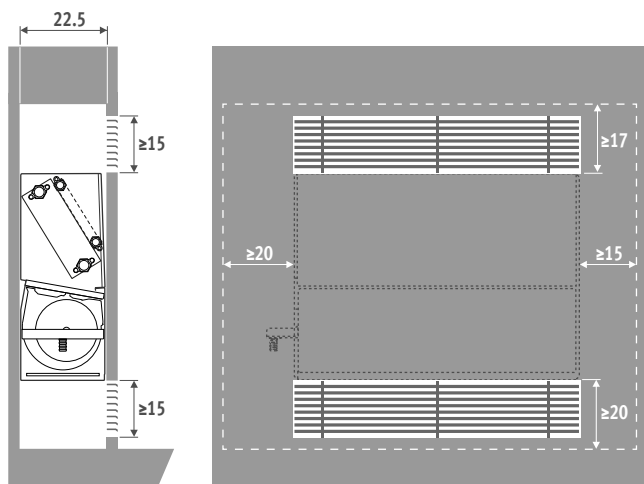
# BRIZA 22 ■ INSTALLATION IN A WALL RECESS - BABW

## DIMENSIONS (in cm)

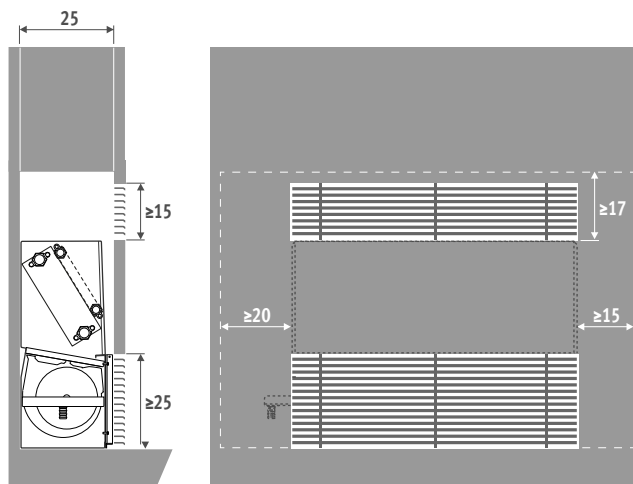


## INSTALLATION

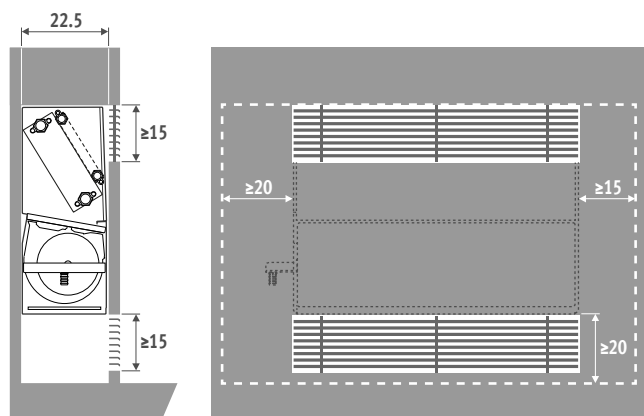
### BT - BOTTOM TOP



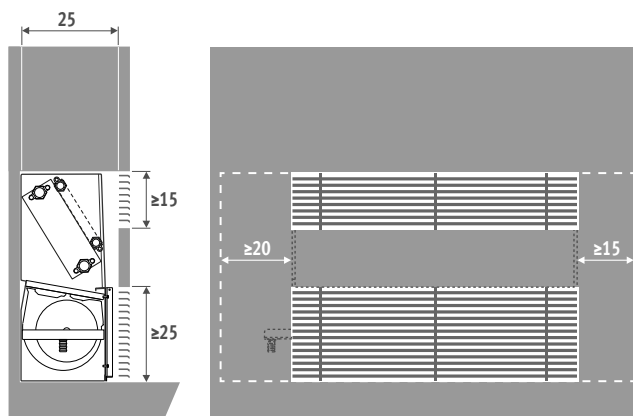
### FT - FRONT TOP



### BF - BOTTOM FRONT



### FF - FRONT FRONT

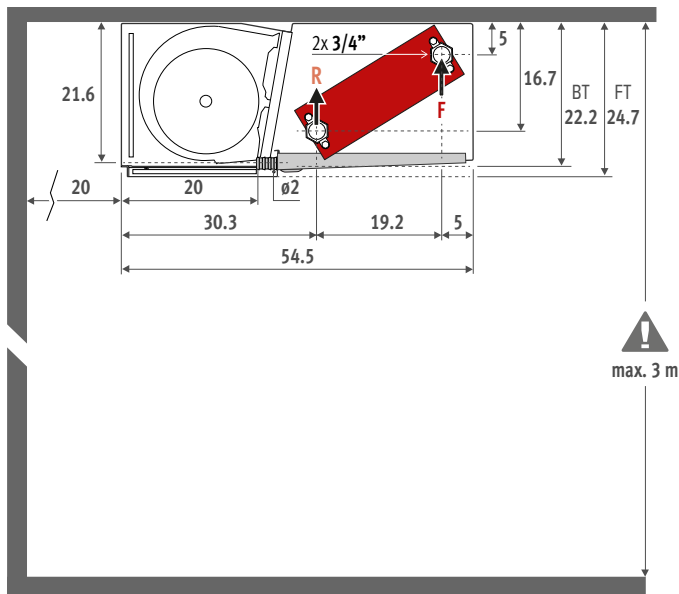




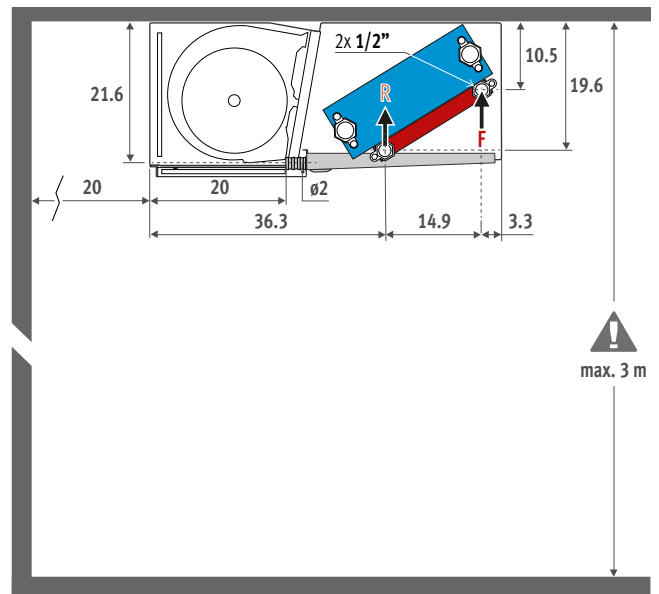
# BUILT-IN CEILING - BABC ■ BRIZA 22

## DIMENSIONS (in cm)

### 2-PIPE

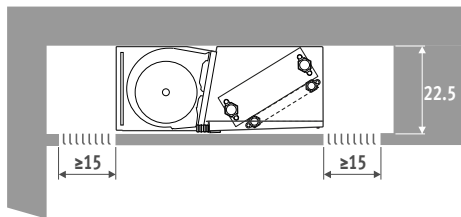


### 4-PIPE

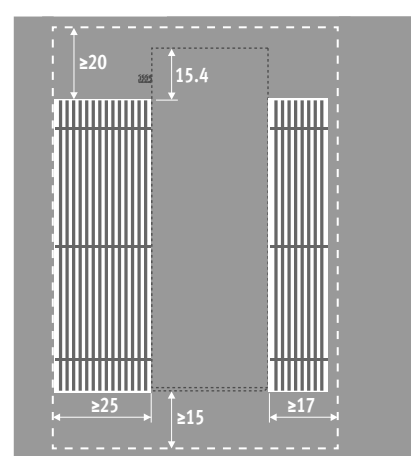
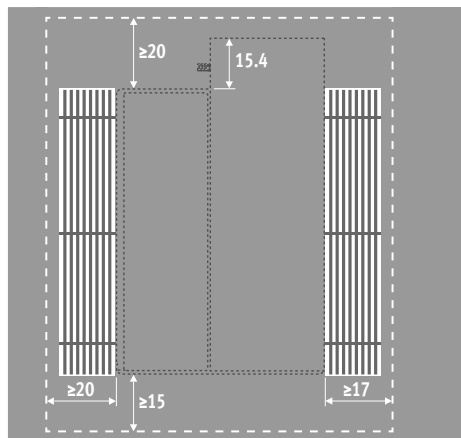
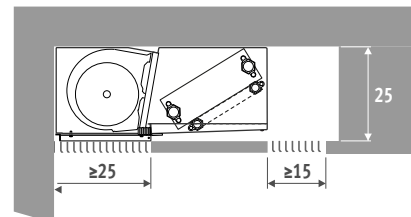


## INSTALLATION

### BT • BOTTOM TOP

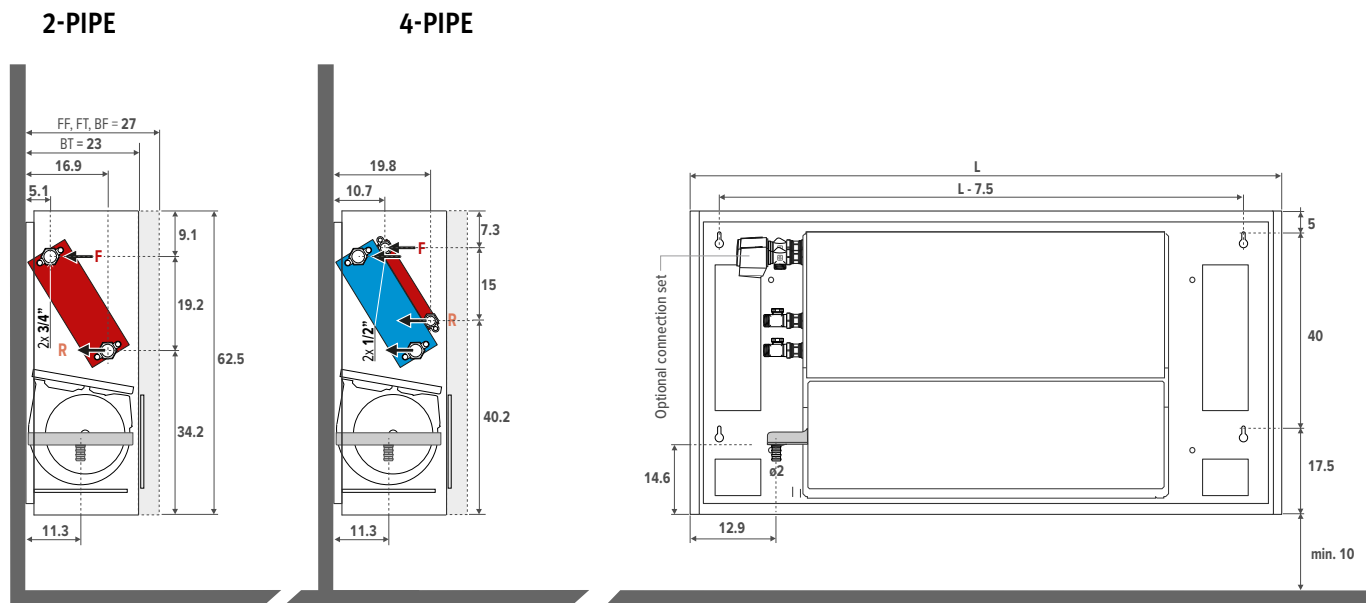


### FT • FRONT TOP



# BRIZA 22 ■ WALL MOUNTED MODEL WITH CASING - BAMW

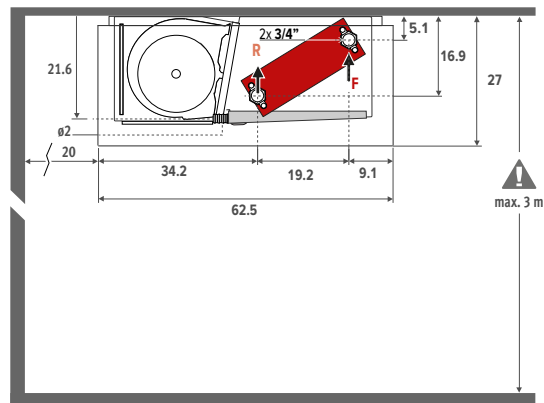
DIMENSIONS (in cm)



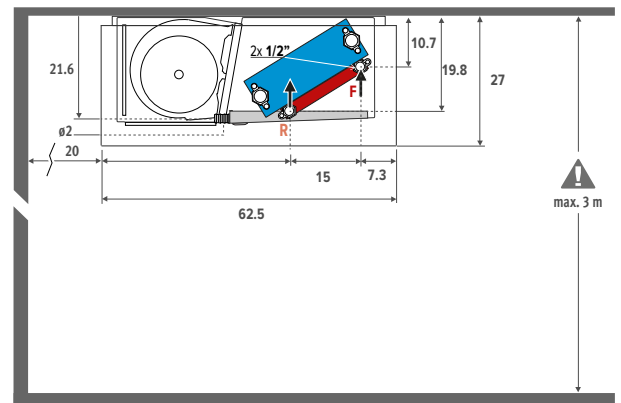
# BRIZA 22 ■ CEILING MOUNTED MODEL WITH CASING - BAMC

DIMENSIONS (in cm)

2-PIPE



4-PIPE



## PRE-MOUNTED JAGA FANCOIL CONTROLLER (JFCC)

Jaga Fan Coil Controller increases the functionalities of the Jaga products. The JFCC is available for all Jaga Briza 22 devices. The controller is delivered pre-set and mounted in the unit. The device is controlled by the home automation system or BMS.



### CONTROL VIA BMS OR EXTERNAL THERMOSTAT

- For 2-pipe or 4-pipe
- Control per appliance, without control panel
- With water temperature sensor
- Power supply 230 VAC
- With key card contact / window contact
- Heating / cooling
- Heating: configured at water temperature >28°C, can easily be modified
- Cooling: configured at water temperature <18°C, can easily be modified
- 0-10 V input for building management system/thermostats

CODE	SURCHARGE	€
FCC.BR712 Heating 2-pipe	334	
FCC.BR722 Heating / Cooling 2-pipe	334	
FCC.BR724 Heating / Cooling 4-pipe	334	

### CONTROL WITH 3-POSITION CONTROL PANEL

- For 2-pipe or 4-pipe
- Control with a pushbutton control and a water and room temperature sensor(s)
- Heating/cooling with automatic switch
- Power supply 230 VAC
- With key card contact / window contact
- Heating: configured at water temperature >28°C, can easily be modified
- Cooling: configured at water temperature <18°C, can easily be modified

CODE	SURCHARGE	€
FCC.BRC42 Heating 2-pipe	345	
FCC.BRC62 Heating / Cooling 2-pipe	345	
FCC.BRC64 Heating / Cooling 4-pipe	345	

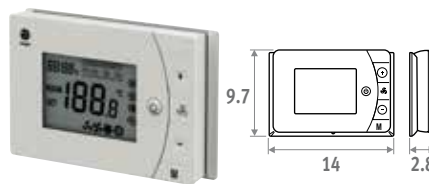
## CLOCK THERMOSTATS HEATING / COOLING

The features in bold type listed below apply to thermostats 8751.050013 - 8751.050012 - 8751.050009

- Automatic thermostat for
  - 2-pipe: heating/cooling or auto
  - 4-pipe: heating/cooling or auto
- Fan speed: 4V/6V/10V or auto
- power supply voltage 24 VDC
- Output(s) control signal 0-10 VDC
- 1 clock thermostat per room
- Programmable zones
- LCD display with background lighting
- Protection category IP30

### FOR WALL MOUNTING

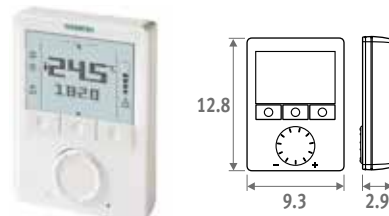
Jaga clock thermostat for wall mounting JRT-200



- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- With key card contact / window contact
- Can be mounted on a junction box with screw holes at 6 cm

CODE	€
8751.050013 Wall mounted	96

### Siemens clock thermostat for wall mounting



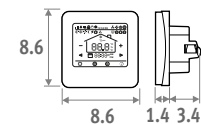
- Unlimited adjustment possibilities: 74 features and diagnostic test
- Contact Jaga for more information

CODE	€
8751.050009 Wall mounted	304

### FOR RECESSED MOUNTING

NEW

Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi

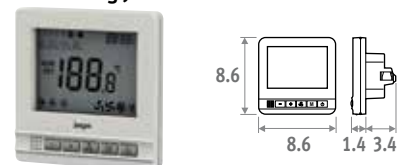


App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days(1-7)
- Control valves 24 VDC heating/cooling
- Thermostat to be mounted in a junction box
- Spacing holes at 6 cm
- Minimum depth 4.5 cm
- inner dimension 5 x 5 cm or Ø 6 cm

CODE	€
8751.050017 Built-in White	171
8751.050019 Built-in Black	171

Jaga clock thermostat for recessed/panel mounting JRT-100



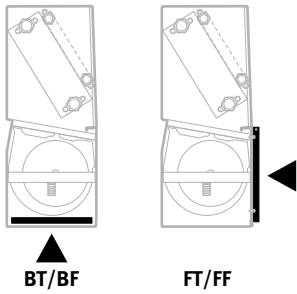
- Control valves 24 VDC heating/cooling
- Thermostat to be mounted in a junction box
- Spacing holes at 6 cm
- Minimum depth 4.5 cm
- inner dimension 5 x 5 cm or Ø 6 cm

CODE	€
8751.050012 Built-in	102

# BRIZA 22 - OPTIONS



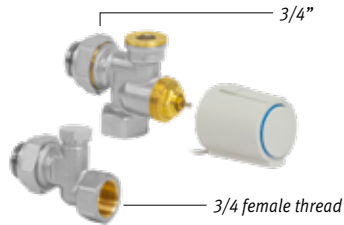
## FILTER



- Filter Class G2
- Fire-safe according to DIN 53438 (F1)

CODE	Length Briza 22	€
8721.401	55	41
8721.402	75	47
8721.403	95	53
8721.404	125	69
8721.405	155	81

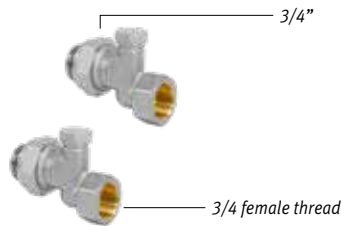
## CONNECTION SET 2-PIPE JAGA 3/4 DN20



- Thermoelectric motor 24 VDC or 230VAC
- valve Eurocone 3/4" x 3/4"
- lockshield Eurocone 3/4" x 3/4"

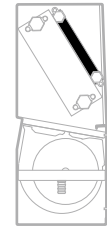
Set 301	Kv max. 0.8-2.5	€
<b>TWO PIPE</b>		
CODY.WA5.24.0	24 VDC	104
CODY.WA5.23.0	230 VAC	104

## CONNECTION SET WITH 2 LOCKSHIELDS 3/4 180°



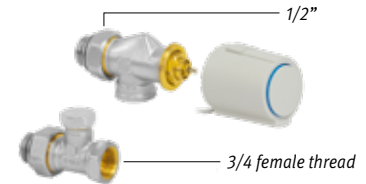
Set 302	€
CODY.LO5.00.0	50

## CONNECTION SET 4-PIPE JAGA 1/2



Only to be used with Briza 22 4-pipe.

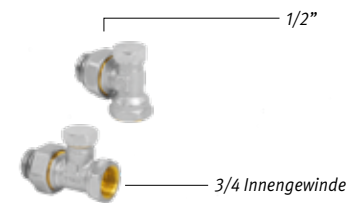
To be mounted on the 2nd heat exchanger with 1/2 "connections.



- Thermoelectric motor 24 VDC or 230VAC
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°

Set 98	Kv 1.0 - without pre-setting	€
<b>TWO PIPE</b>		
CODY.WA4.24.0	24 VDC	80
CODY.WA4.23.0	230 VAC	80

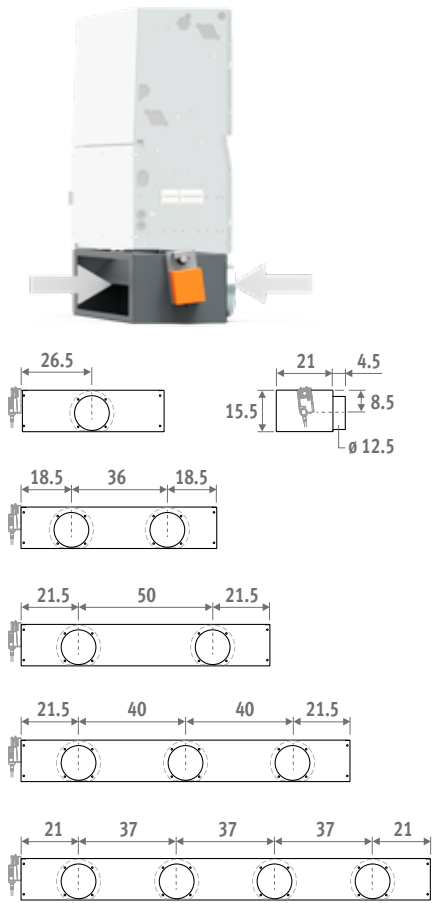
## CONNECTION SET WITH 2 LOCKSHIELDS G1/2"



Set 99	€
CODY.LOM.00.0	44



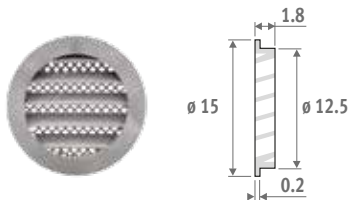
## AIR MIXING BOX WITH 0...10V MODULATING MOTOR



- 230 VAC motorised air in take unit, with modulating adjustable damper (damper position determined by modulating 0 ... 10V signal)
- Connection  $\varnothing$  12.5 cm
- Dark grey painted steel plate - RAL 7024

CODE	L Briza 22	# Connections	€
8763.0301	55	1	685
8763.0302	75	2	729
8763.0303	95	2	764
8763.0304	125	3	802
8763.0305	155	4	890

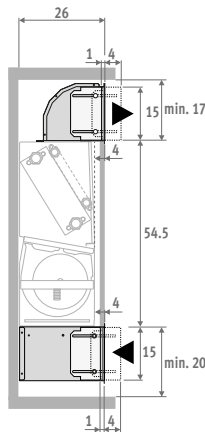
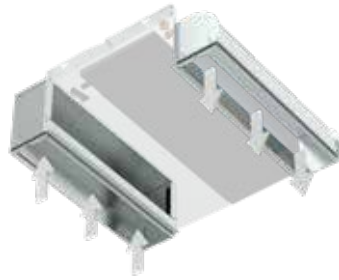
## EXTERNAL GRILLE



- Natural coloured aluminum external grille  $\varnothing$  12.5 cm
- With fine structured metal anti-vermin grille
- Protection against rain

CODE	€
8776.1750	30

## CORNER PIECE 90°



## AIR INLET CORNER PIECE 90°

- Height control -1 to + 4 cm
- Galvanised steel plate

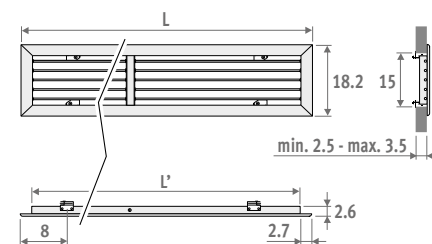
CODE	Length Briza 22	€
8787.0101	55	101
8787.0102	75	107
8787.0103	95	116
8787.0104	125	133
8787.0105	155	158

## AIR OUTLET CORNER PIECE 90°

- Height control -1 to + 4 cm
- Galvanised steel plate

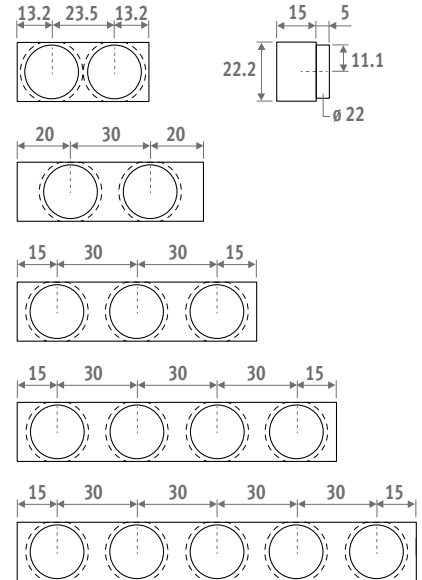
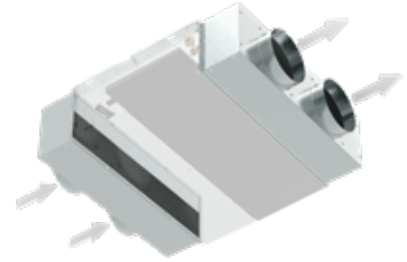
CODE	Length Briza 22	€
8788.0101	55	94
8788.0102	75	101
8788.0103	95	116
8788.0104	125	122
8788.0105	155	149

## GRILLE FOR CORNER PIECE 90°



CODE	L Briza 22	Building in-opening	€
8789.201	55	50 x 15	112
8789.202	75	70 x 15	137
8789.203	95	90 x 15	177
8789.204	125	120 x 15	203
8789.205	155	150 x 15	236

## PLENUM 180°



## AIR INLET PLENUM 180°

- Connection  $\varnothing$  20 cm
- To fit on the air inlet side
- Galvanised steel plate

CODE	L Briza 22	# Connections	€
8764.0501	55	2	93
8764.0502	75	2	99
8764.0503	95	3	115
8764.0504	125	4	136
8764.0505	155	5	160

## AIR EXHAUST PLENUM 180°

- Connection  $\varnothing$  20 cm
- To fit on the air exhaust side
- Acoustically and thermally insulated internal surfaces
- Galvanised steel plate

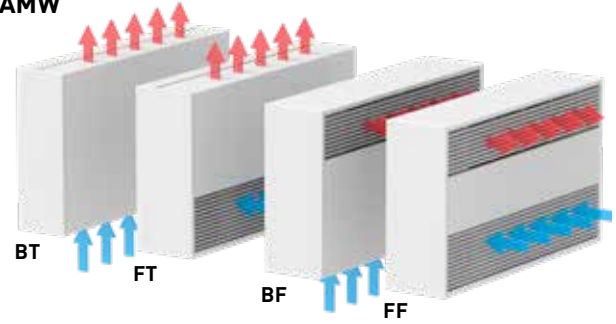
CODE	L Briza 22	# Connections	€
8764.0601	55	2	146
8764.0602	75	2	155
8764.0603	95	3	189
8764.0604	125	4	220
8764.0605	155	5	254

# BRIZA 22 ■ WITH CASING 2-PIPE

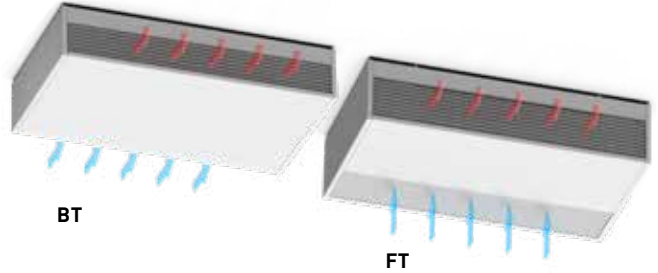
## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - traffic white RAL 9016 (133), soft touch lightly structured satin powder coating
  - sandblast grey (001), fine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look
- Other colours: see colour chart
- back panel to aesthetically seal off the space between the radiator and the wall, prepainted in dark gray RAL 7024
- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G3/4" F.
- Condensate tray with outlet spigot ø 2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

### BAMW



### BAMC



## CONNECTION


Standard connection:

- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

OTHER CONNECTION:

- Hydraulic right, electric left:

Connection code /70 instead of /20 No surcharge.  
ex. BAMW.055 055 22 /BT /70

DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	POWER CONSUMPTION Watts	PRICE STANDARD COLOURS €	 <b>2-PIPE</b>
H cm	L cm	T cm			I A	U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts					
063	090	22	0.5	2	1918	1131	739	461	831	594	338	26	116	3.6	2453	BAMW.063 090 22.XXX /BT /20	
					4	3493	2061	1346	839	1497	1070	605	35	221			8.3
					6	4580	2702	1764	1101	2014	1440	779	43	308			16.1
					8	5541	3269	2134	1331	2467	1764	935	47	391			29.0
					10	6060	3575	2334	1456	2692	1925	1026	51	434			38.2
110	22	0.5	2	2615	1575	1046	665	1279	915	446	21	155	3.5	2779	BAMW.063 110 22.XXX /BT /20		
				4	4678	2819	1872	1190	2209	1579	771	30	284			8.3	
				6	6264	3774	2507	1593	2933	2097	1023	39	396			16.7	
				8	7581	4568	3034	1929	3543	2533	1236	45	503			30.1	
				10	8533	5141	3415	2171	3991	2853	1392	49	591			43.8	
130	22	0.5	2	3430	2014	1310	813	1616	1155	636	22	215	3.8	3014	BAMW.063 130 22.XXX /BT /20		
				4	6051	3552	2310	1435	2804	2005	1104	30	359			9.3	
				6	8190	4808	3127	1942	3767	2694	1483	37	491			19.1	
				8	9959	5846	3802	2361	4557	3258	1794	43	614			33.5	
				10	11098	6515	4237	2631	5060	3618	1992	47	703			47.8	
160	22	1.0	2	4722	2826	1867	1180	1930	1380	694	28	290	7.0	4239	BAMW.063 160 22 .XXX/BT /20		
				4	8160	4884	3226	2038	3345	2392	1203	36	534			16.6	
				6	10677	6390	4221	2667	4439	3174	1597	43	730			33.9	
				8	13036	7802	5153	3256	5524	3949	1987	49	931			59.4	
				10	14479	8665	5724	3617	6224	4450	2239	53	1065			83.5	
190	22	1.0	2	4691	2826	1877	1193	2112	1510	737	25	341	7.0	4669	BAMW.063 190 22.XXX /BT /20		
				4	8383	5051	3355	2133	3823	2733	1334	34	614			16.9	
				6	11605	6992	4644	2952	5322	3805	1857	41	860			34.8	
				8	14491	8731	5799	3686	6670	4769	2327	47	1088			61.8	
				10	16462	9919	6587	4188	7595	5430	2650	51	1247			89.2	

Output measured in accordance with EN 1397

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BAMW (Wall mounted model)  
BAMC (Ceiling mounted model)

BT (Bottom Top)  
FT (Front Top)  
BF (Bottom Front)  
FF (Front Front)

enter colour code

# WITH CASING 4-PIPE - BRIZA 22

## STANDARD DELIVERY

- Laquered casing in sendzimir galvanized steel plate with aluminium top grille
- standard colours:
  - raffic white RAL 9016 (133), soft touch lightly structured satin powder coating
  - Sandblast grey (001), Ffine texture metallic powder coating
  - off-black RAL 7021 (145) Soft touch: finely-textured matte look
 Other colours: see colour chart
- back panel to aesthetically seal off the space between the radiator and the wall, prepainted in dark gray RAL 7024
- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G3/4" F.
- Second heat exchanger, G1/2" F
- Condensate tray with outlet spigot ø 2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

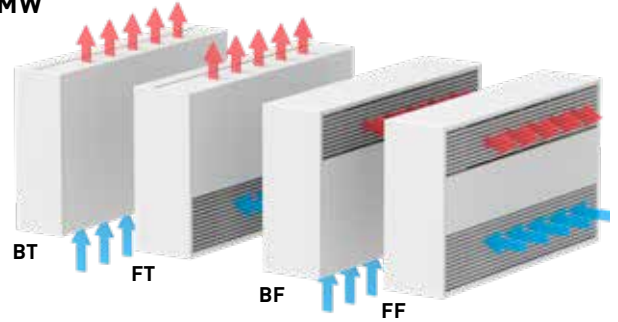
## CONNECTION

- Standard connection:
- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

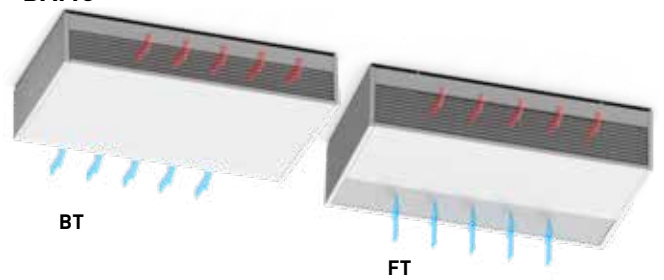
### OTHER CONNECTION:

- Hydraulic right, electric left:
- Connection code /70 instead of /20 No surcharge.
- ex. BAMW.055 055 22 /BT /70

BAMW



BAMC



DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	PRICE STANDARD COLOURS	 4-PIPE
H	L	T			75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)						
cm	cm	cm	A	V	Watts	Watts	Watts	Watts	Watts	Watts								
063	090	22	0.5	2	1326	738	460	273	831	594	338	26	116	3.6	2734	BAMW.63 090 22.XXX /BT /4 /20		
				4	1724	960	598	355	1497	1070	605	35	221	8.3				
				6	2114	1177	734	435	2014	1440	779	43	308	16.1				
				8	2386	1329	828	491	2467	1764	935	47	391	29.0				
				10	2505	1395	869	515	2692	1925	1026	51	434	38.2				
110	22	0.5	0.5	2	1490	830	518	307	1279	915	446	21	155	3.5	3079	BAMW.063 110 22.XXX /BT /4 /20		
				4	2366	1318	822	487	2209	1579	771	30	284	8.3				
				6	2955	1646	1026	608	2933	2097	1023	39	396	16.7				
				8	3382	1885	1175	696	3543	2533	1236	45	503	30.1				
				10	3652	2035	1269	752	3991	2853	1392	49	591	43.8				
130	22	0.5	0.5	2	2110	1170	726	429	1616	1155	636	22	215	3.8	3344	BAMW.063 130 22.XXX /BT /4 /20		
				4	3112	1725	1071	632	2804	2005	1104	30	359	9.3				
				6	3825	2120	1316	777	3767	2694	1483	37	491	19.1				
				8	4336	2404	1492	881	4557	3258	1794	43	614	33.5				
				10	4627	2565	1593	940	5060	3618	1992	47	703	47.8				
160	22	1.0	1.0	2	3587	2027	1278	767	1930	1380	694	28	290	7.0	4622	BAMW.063 160 22.XXX /BT /4 /20		
				4	4951	2798	1764	1059	3345	2392	1203	36	534	16.6				
				6	5898	3333	2102	1262	4439	3174	1597	43	730	33.9				
				8	6733	3805	2399	1440	5524	3949	1987	49	931	59.4				
				10	7211	4075	2570	1542	6224	4450	2239	53	1065	83.5				
190	22	1.0	1.0	2	3320	1891	1200	725	2112	1510	737	25	341	7.0	5093	BAMW.063 190 22.XXX /BT /4 /20		
				4	5199	2960	1878	1135	3823	2733	1334	34	614	16.9				
				6	6713	3822	2425	1466	5322	3805	1857	41	860	34.8				
				8	7960	4533	2876	1738	6670	4769	2327	47	1088	61.8				
				10	8748	4981	3160	1910	7595	5430	2650	51	1247	89.2				

Output measured in accordance with EN 1397

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BAMW (Wall mounted model)  
BAMC (Ceiling mounted model)

BT (Bottom Top)  
FT (Front Top)  
BF (Bottom Front)  
FF (Front Front)

enter colour code

# BRIZA 22 - 2-PIPE

## STANDARD DELIVERY

- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- Copper-aluminum 2-pipe hydrophilic coated heat exchanger, G3/4" F.
- Condensate tray with outlet spigot ø 2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

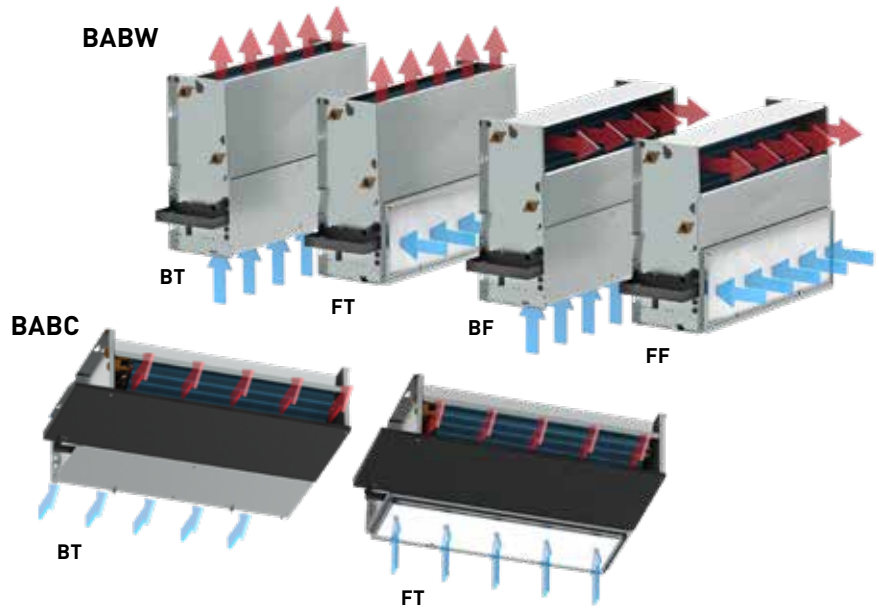
## CONNECTION


Standard connection:

- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

OTHER CONNECTION

- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.  
ex.BABW.055 055 22 /BT /70



DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	POWER CONSUMPTION Watts	PRICE €	 <b>2-PIPE</b>
H cm	L cm	T cm			I A	U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts					
055	055	22	0.5	2	2213	1305	852	532	939	677	390	26	134	3.7	1467	BABW.055 055 22 /BT /20	
					3924	2315	1512	943	1685	1214	674	35	254	8.7			
					5122	3022	1973	1231	2256	1626	866	43	355	17.2			
					6255	3690	2409	1503	2749	1981	1061	47	450	31.1			
					6909	4076	2661	1660	2991	2155	1185	51	500	41.1			
075	22	0.5	2	3010	1814	1204	766	1445	1041	508	21	178	3.7	1698	BABW.055 075 22 /BT /20		
				5307	3197	2124	1350	2475	1784	870	30	327	8.8				
				7026	4233	2811	1787	3258	2348	1146	39	456	17.7				
				8409	5067	3365	2139	3901	2811	1372	45	579	31.9				
				9370	5646	3749	2384	4358	3141	1533	49	681	46.4				
095	22	0.5	2	4049	2377	1546	960	1882	1356	747	22	247	3.9	1865	BABW.055 095 22 /BT /20		
				6960	4086	2657	1650	3189	2298	1266	30	413	9.9				
				9281	5448	3543	2200	4221	3042	1675	37	565	20.6				
				11143	6541	4254	2642	5040	3632	2000	43	707	35.9				
				12305	7223	4698	2918	5543	3995	2200	47	809	51.2				
125	22	1.0	2	5366	3211	2121	1340	2172	1565	787	28	334	7.2	2547	BABW.055 125 22 /BT /20		
				9224	5520	3647	2304	3771	2718	1367	36	614	17.5				
				11998	7181	4743	2997	4999	3603	1812	43	840	35.7				
				14548	8706	5751	3634	6209	4475	2251	49	1072	62.8				
				16076	9621	6355	4016	6985	5034	2533	53	1226	88.5				
155	22	1.0	2	4889	2946	1956	1244	2420	1393	680	25	392	7.2	2979	BABW.055 155 22 /BT /20		
				9374	5648	3751	2385	4358	2978	1453	34	706	17.8				
				13215	7962	5288	3362	6048	4325	2110	41	990	37.1				
				16591	9996	6639	4221	7562	5499	2683	47	1252	65.8				
				18859	11363	7547	4797	8596	6282	3065	51	1436	95.0				

Output measured in accordance with EN 1397

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

**BABW** (Installation in a wall recess)  
**BABC** (Built-in ceiling)

**BT** (Bottom Top)  
**FT** (Front Top)  
**BF** (Bottom Front)  
**FF** (Front Front)



# BUILT-IN 4-PIPE - BRIZA 22

## STANDARD DELIVERY

- Energy efficient and maintenance-free EC motor
- Centrifugal fan(s) with twin inlet
- For more information
- Second heat exchanger, G1/2" F
- Condensate tray with outlet spigot  $\varnothing$  2 cm
- Replaceable polypropylene dust filter (class G2)
- Sturdy casing manufactured from electro-galvanised steel

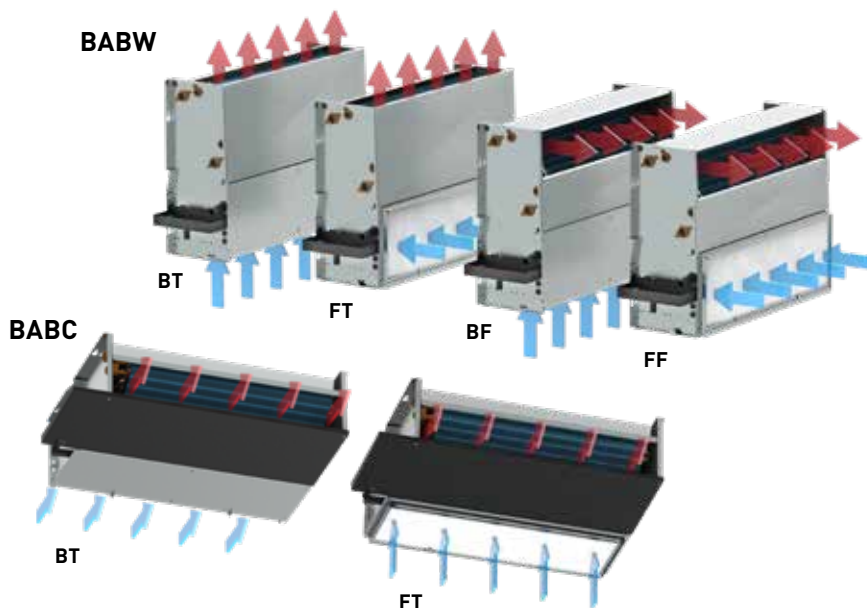
## CONNECTION

Standard connection:

- Hydraulic connections on the left hand side, clamp connector for electric connection 230 VAC on the right hand side.

OTHER CONNECTION:

- Hydraulic right, electric left:  
Connection code /70 instead of /20  
No surcharge.  
ex. BABW.055 055 22 /BT /4 /70



DIMENSIONS			MAX. MEASURED CURRENT	CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE* dB(A)	AIR FLOW m³/h	POWER CONSUMPTION Watts	PRICE €	4-PIPE
H cm	L cm	T cm			I A	U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts					
055	055	22	0.5	2	1367	761	475	281	939	677	390	26	134	3.7	1766	BABW.055 055 22 /BT /4 /20	
					4	1881	1047	653	387	1685	1214	674	35	254			8.7
					6	2279	1269	791	469	2256	1626	866	43	355			17.2
					8	2550	1420	885	524	2749	1981	1061	47	450			31.1
					10	2726	1518	946	561	2991	2155	1185	51	500			41.1
075	22	0.5	2	1908	1063	663	393	1445	1041	508	21	178	3.7	2021	BABW.055 075 22 /BT /4 /20		
				4	2653	1478	922	546	2475	1784	870	30	327			8.8	
				6	3174	1768	1102	653	3258	2348	1146	39	456			17.7	
				8	3556	1981	1235	732	3901	2811	1372	45	579			31.9	
				10	3790	2112	1316	780	4358	3141	1533	49	681			46.4	
095	22	0.5	2	2484	1377	855	505	1882	1356	747	22	247	3.9	2237	BABW.055 095 22 /BT /4 /20		
				4	3404	1887	1172	691	3189	2298	1266	30	413			9.9	
				6	4077	2260	1403	828	4221	3042	1675	37	565			20.6	
				8	4558	2527	1569	926	5040	3632	2000	43	707			35.9	
				10	4817	2670	1658	978	5543	3995	2200	47	809			51.2	
125	22	1.0	2	3848	2174	1371	823	2172	1565	787	28	334	7.2	2950	BABW.055 125 22 /BT /4 /20		
				4	5357	3027	1909	1146	3771	2718	1367	36	614			17.5	
				6	6373	3601	2271	1363	4999	3603	1812	43	840			35.7	
				8	7233	4087	2577	1547	6209	4475	2251	49	1072			62.8	
				10	7703	4353	2745	1648	6985	5034	2533	53	1226			88.5	
155	22	1.0	2	3691	2102	1334	806	2420	1393	680	25	392	7.2	3438	BABW.055 155 22 /BT /4 /20		
				4	5789	3297	2092	1264	4358	2978	1453	34	706			17.8	
				6	7443	4238	2689	1625	6048	4325	2110	41	990			37.1	
				8	8770	4994	3168	1915	7562	5499	2683	47	1252			65.8	
				10	9585	5457	3463	2093	8596	6282	3065	51	1436			95.0	

Output measured in accordance with EN 1397

\*Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

BABW ((Installation in a wall recess)  
BABC (Built-in ceiling)

BT (Bottom Top)  
FT (Front Top)  
BF (Bottom Front)  
FF (Front Front)

# jaga

CLIMATE DESIGNERS

## BRISE

Super-power for heating, cooling and ventilation.

**Brise keeps a tight rein on temperatures and is full of energy, controlling your interior climate with precision through the range of activator controlled settings. Heating. Ventilating. Cooling. Regardless, this radiator is always in pole position, ready to win the race for comfort.**

### **Flexible application.**

For climate control in shops, offices, schools, hotels, conference rooms, conservatories, etc...

### **High comfort with efficient energy use**

Due to its very low water content and high capacity Jaga fan convectors react immediately to strong temperature changes.

### **Perfect design**

The Brise is not only a technically superb product, it distinguishes itself also by a stylish design and impeccable finish, which makes it blend into any interior design.

Suitable for non-condensing and condensing cooling with chilled water





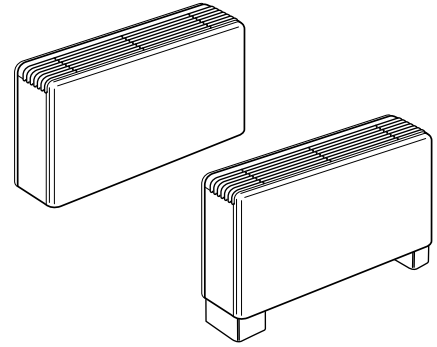
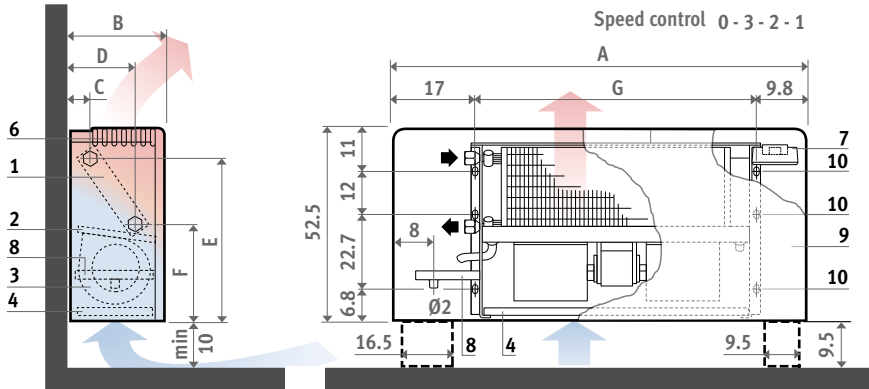
BRISE



# BRISE - WALL MOUNTED MODEL

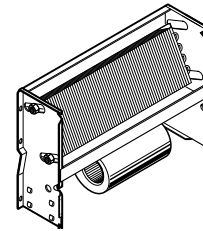
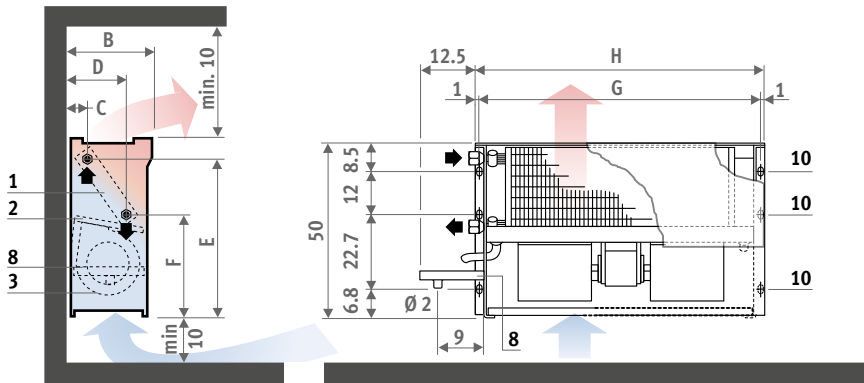
## DIMENSIONS (in cm)

### BRIW/BRIF



BRIF = BRIW + feet + rear panel.  
Feet equipped with cover plate for electrical and hydraulic connections.

### BUILDING-IN BRBW



The model BRBW can be fitted horizontally for heating only.  
Provide an air vent on the central heating pipe work.

Type	02	03	04	06	08	10
A	82.5	82.5	110.0	110.0	137.5	165.0
B	23.0	23.0	23.0	23.0	27.5	27.5
C	4.5	4.5	4.5	4.5	4.5	4.5
D	15.3	15.3	15.3	15.3	22.5	22.5
E	45.5	45.5	45.5	45.5	46.3	46.3
F	25.5	25.5	25.5	25.5	26.0	26.0
G	55.7	55.7	83.2	83.2	110.7	138.2
H	57.5	57.5	85.2	85.2	112.7	140.2
I	36.5	36.5	36.5	36.5	41.0	41.0
conn. heat exchanger	1/2" G	1/2" G	1/2" G	3/4" G	3/4" G	3/4" G
conn. air vent	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"

1. heat exchanger
2. condensation tray
3. fan(s)
4. not recyclable air filter (option)
5. air inlet grille
6. air exhausting grille
7. switch
8. additional condensation tray (option)
9. casing
10. holes for wall fixing

### ORDERING CODE

code type  
**BRIW . 02**  
fill in type

### STANDARD DELIVERY

Pre-assembled fan radiator, Supplied in a handy cardboard box. Type BRIW/BRIF and BRBW with metal casing with smooth metallic paint in light grey and discharge vents in dark grey ABS (Acrylonitrile Butadiene Styrene).

Standard delivery includes:

- centrifugal fan(s) motor to condense in 3 speeds continuously and integrated KLIXON safety with an automatic reset.
- re-usable air filter with galvanised chassis for the BRIW and BRIF models
- built-in 3-position speed controller for the BRIW and BRIF models
- condensation tray with drain

### HYDRAULIC CONNECTION

Standard connection left

- type 02, 03 and 04: 1/2"

- type 06, 08 and 10: 3/4"

Connection right on request:

Connection condensation drain pipe  $\varnothing$  2 cm

### ELECTRIC CONNECTION

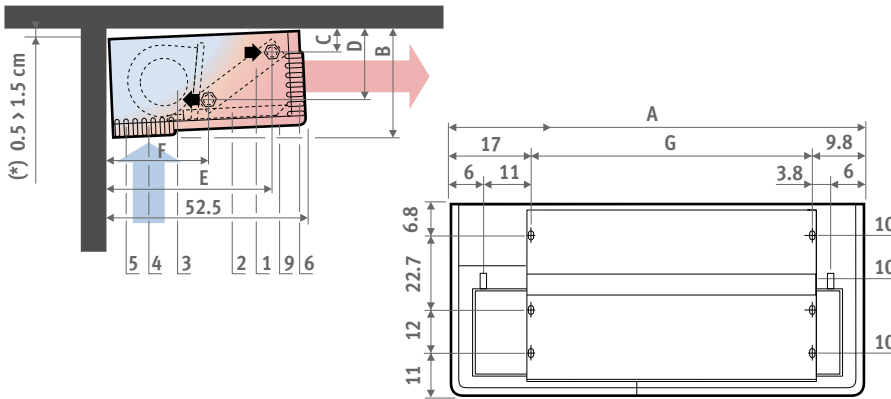
Electric connection 230 VAC always right

Easy to install: the appliances are light and compact. The construction is perfectly designed up to the smallest detail in order to keep the installation as easy as possible.

# CEILING-MOUNTED MODEL - BRISE

## DIMENSIONS (in cm)

### WITH CASING BRIC

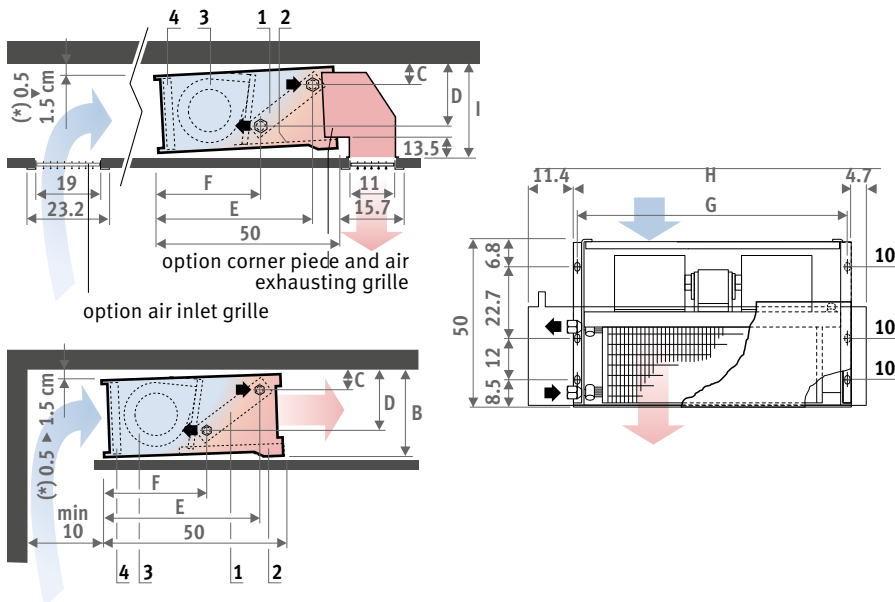


Max. height of the ceiling: 2.80 m.

(\* ) Fit the ventilo-fan convector at a slight upward angle to facilitate the drainage of the condensate.

The model BRIC or BRBC may also be fitted vertically, it is only to be used for heating. Provide an air vent on the central pipe work .

### BUILDING-IN BRBC



Option air inlet grille: do not mount it too close to the Brise to avoid the possibility that the exhausted hot air will be sucked in again.

Max. height of the ceiling: 2.80 m.

(\* ) Fit the ventilo-fan convector at a slight upward angle to facilitate the drainage of the condensate.

The model BRIC or BRBC may also be fitted vertically, it is only to be used for heating. Provide an air vent on the central pipe work .

# BRISE

Ordering example: **BRIW**. type

## STANDARD HEAT EXCHANGER

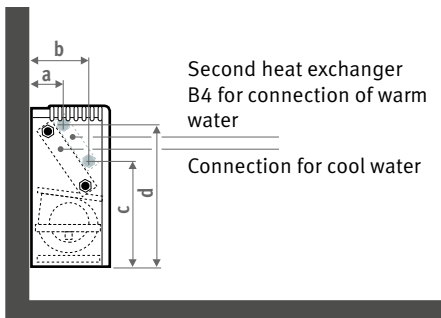
TYPE	HEATING									COOLING						wall		ceiling		freestanding		
	kW 75/65/20°C			kW 55/45/20°C			kW 35/30/20°C			kW total 7/12°C - 27°C D.B. 47% R.H.			kW sensible 7/12°C - 27°C D.B. 47% R.H.			casing	con.	casing	con.	casing		
	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	BRIW €	BRBW €	BRIC €	BRBC €
02	4.00	<b>3.60</b>	3.04	2.40	<b>2.16</b>	1.82	1.00	<b>0.90</b>	0.76	1.84	<b>1.65</b>	1.37	1.26	<b>1.12</b>	0.95	<b>1246</b>	<b>1104</b>	<b>1329</b>	<b>1122</b>	<b>1488</b>		
03	5.56	<b>5.00</b>	4.22	3.34	<b>3.00</b>	2.53	1.39	<b>1.25</b>	1.06	2.58	<b>2.31</b>	1.94	1.82	<b>1.63</b>	1.37	<b>1266</b>	<b>1122</b>	<b>1354</b>	<b>1147</b>	<b>1508</b>		
04	8.07	<b>7.26</b>	6.13	4.84	<b>4.36</b>	3.68	2.02	<b>1.82</b>	1.53	3.80	<b>3.41</b>	2.87	2.60	<b>2.34</b>	1.97	<b>1538</b>	<b>1354</b>	<b>1661</b>	<b>1395</b>	<b>1793</b>		
06	11.53	<b>10.38</b>	8.76	6.92	<b>6.23</b>	5.26	2.88	<b>2.60</b>	2.19	5.63	<b>5.06</b>	4.23	3.84	<b>3.45</b>	2.90	<b>1702</b>	<b>1519</b>	<b>1825</b>	<b>1559</b>	<b>1956</b>		
08	19.48	<b>16.78</b>	14.17	11.69	<b>10.07</b>	8.50	4.87	<b>4.20</b>	3.54	9.23	<b>8.30</b>	6.98	6.35	<b>5.72</b>	4.81	<b>2510</b>	<b>2276</b>	<b>2716</b>	<b>2311</b>	<b>2800</b>		
10	21.02	<b>18.92</b>	15.97	12.61	<b>11.35</b>	9.58	5.26	<b>4.73</b>	3.99	11.47	<b>10.11</b>	8.47	7.55	<b>6.80</b>	5.72	<b>3197</b>	<b>2947</b>	<b>3459</b>	<b>2956</b>	<b>3506</b>		

Cooling performance according EN 1397:2016

## OPTION SECOND HEAT EXCHANGER B4

TYPE	HEATING									SURCHARGE	
	kW 75/65/20°C			kW 55/45/20°C			kW 35/30/20°C			Code	€
	max.	med.	min.	max.	med.	min.	max.	med.	min.		
02	2.85	<b>2.57</b>	2.17	1.71	<b>1.54</b>	1.30	0.71	<b>0.64</b>	0.54	<b>8721.5112</b>	<b>271</b>
03	2.85	<b>2.57</b>	2.17	1.71	<b>1.54</b>	1.30	0.71	<b>0.64</b>	0.54	<b>8721.5112</b>	<b>271</b>
04	3.83	<b>3.45</b>	2.92	2.30	<b>2.07</b>	1.75	0.96	<b>0.86</b>	0.73	<b>8721.5113</b>	<b>311</b>
06	5.63	<b>5.06</b>	4.28	3.38	<b>3.04</b>	2.57	1.41	<b>1.27</b>	1.07	<b>8721.5114</b>	<b>347</b>
08	9.22	<b>7.71</b>	7.01	5.53	<b>4.63</b>	4.21	2.31	<b>1.93</b>	1.75	<b>8721.5115</b>	<b>411</b>
10	10.65	<b>9.58</b>	8.09	6.39	<b>5.75</b>	4.85	2.66	<b>2.40</b>	2.02	<b>8721.5116</b>	<b>498</b>

Options are fitted when fan convector and options are ordered together. With built-in options, delivery time will be longer. With second heat exchanger B4, the standard heat exchanger has to be used for cooling and the second heat exchanger B4 for heating.



Type	02	03	04	06	08	10
a	9	9	9	9	9.5	9.5
b	19.8	19.8	19.8	19.8	24	24
c	28	28	28	28	31.5	31.5
d	48	48	48	48	48	48

## RECOMMENDED COMBINATIONS

	heating and cooling
Product	Brise
Regulation	Speed control / thermostat 8762.0000 Or wall mounting thermostat heating/cooling 8751.050010

## TECHNICAL DATA

TYPE	AIR FLOW*			MAX. MEASURED POWER	RATED CURRENT	HOT AIR CARRYING*	WATER CONTENT STANDARD		WEIGHT			
	m <sup>3</sup> /h			Watts	A	m	litre		kg			
	max.	med.	min.				heat exchanger		wall		ceiling	
							Standard	B4	casing	con.	casing	con.
02	380	<b>295</b>	220	45	0.21	4	0.66	0.21	18.0	14.0	18.0	14.5
03	500	<b>390</b>	290	68	0.32	6	0.86	0.27	19.0	14.5	19.0	15.0
04	700	<b>545</b>	410	103	0.48	7	1.34	0.44	24.0	15.0	24.0	20.0
06	880	<b>690</b>	510	125	0.59	9	1.96	0.65	26.0	20.5	26.0	22.0
08	1350	<b>1050</b>	720	193	0.92	7	3.75	1.24	38.0	33.0	38.0	33.0
10	1700	<b>1325</b>	955	210	0.99	11	4.03	1.34	50.0	43.5	50.0	43.5

\* Measured with clean filter.

## TECHNICAL DATA - SOUND

TYPE	SOUND PRESSURE*			SOUND POWER LEVEL ISO 23741/2																				
	dB(A) / NR			HZ 125		HZ 250		HZ 500		HZ 1000		HZ 2000		HZ 4000		HZ 8000								
	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.						
02	41/36	<b>35/31</b>	29/25	48	<b>45</b>	42	46	<b>44</b>	39	46	<b>40</b>	35	42	<b>36</b>	30	37	<b>30</b>	23	32	<b>26</b>	23	25	<b>24</b>	20
03	41/36	<b>35/31</b>	29/25	52	<b>46</b>	42	52	<b>45</b>	40	42	<b>36</b>	30	47	<b>37</b>	31	44	<b>31</b>	23	40	<b>27</b>	22	37	<b>26</b>	20
04	44/39	<b>36/32</b>	30/26	49	<b>44</b>	38	50	<b>43</b>	38	47	<b>37</b>	31	49	<b>37</b>	32	39	<b>30</b>	24	36	<b>26</b>	21	33	<b>25</b>	20
06	50/46	<b>37/33</b>	31/27	53	<b>45</b>	38	55	<b>44</b>	39	49	<b>37</b>	32	51	<b>38</b>	34	46	<b>30</b>	25	41	<b>27</b>	22	37	<b>27</b>	21
08	50/45	<b>43/38</b>	37/33	55	<b>49</b>	45	57	<b>50</b>	43	51	<b>44</b>	35	51	<b>44</b>	35	47	<b>39</b>	30	43	<b>36</b>	27	34	<b>30</b>	21
10	53/50	<b>43/38</b>	37/33	58	<b>50</b>	46	60	<b>51</b>	46	55	<b>46</b>	40	55	<b>46</b>	40	53	<b>44</b>	34	47	<b>38</b>	29	39	<b>29</b>	27

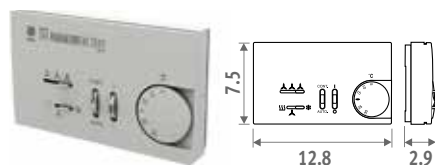
\* Measured model: model BRIW with casing, standard heat exchanger and a new filter. Height: 1 m, 2 m from the air exhaust grille. The sound level is influenced by the dimensions of the room, the reverberation time, other sound sources and the distance of the sound source.

# BRISE

## OPTIONS

### Speed control / thermostat

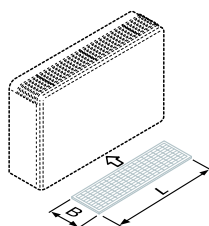
Wall-mounted thermostat with on/off button and manual 3-position speed controller. Suitable for heating, cooling and ventilation. For 1 unit or for several units, combined with relay contacts.



CODE	€
8762.0000	352

### Filter

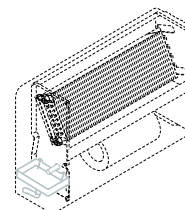
Recyclable air filter (standard at BRIW and BRIF, option at BRIC, BRBW and BRBC)



CODE	type	B x L	€
8721.121	02 - 03	21 x 53	52
8721.125	04 - 06	21 x 80.5	69
8721.115	08	25 x 108	92
8721.116	10	25 x 135.5	108

### Condensation tray for model BRIW - BRIF - BRBW

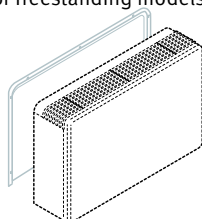
Additional condensation tray for cooling. Position underneath the valves.



CODE	type	€
8769.0041	02 - 03 - 04 - 06	41
8769.0023	08 - 10	41

### Rear panel for model BRIW

For freestanding models order feet separately.

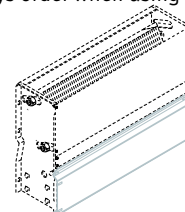


CODE	type	€
8770.121	02 - 03	122
8770.125	04 - 06	132
8770.115	08	168
8770.116	10	186

### Fan-seal panel for model BRBW - BRBC

For air intake on 1 side and as air-conducting compartments.

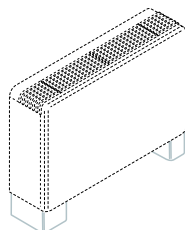
Always order when using built in models.



CODE	type	€
8775.0021	02 - 03	40
8775.0025	04 - 06	53
8775.0015	08	70
8775.0016	10	79

### Feet for model BRIW - BRBW

Includes protective cover.



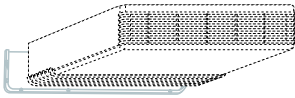
CODE	type	€
8767.141	02 - 03 - 04 - 06	122
8767.123	08 - 10	122



## OPTIONS

### Fan-seal panel for model BRIC

For visible mounting. Seal panel in the same colour as the radiator.

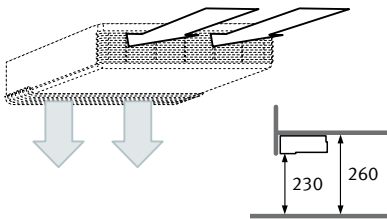


CODE	type	€
8771.121	02 - 03	82
8771.125	04 - 06	82
8771.115	08	90
8771.116	10	105

### Transformation to exhaust downwards for model BRIC

Includes fan-seal panel for BRIC. Maximum height of ceiling: 2.6 m. Maximum fitting height: 2.3 m.

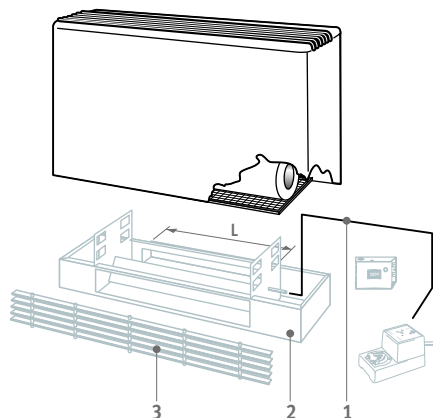
Only available when ordering with the appliance



CODE	type	€
8774.0025	04 - 06	602
8774.0015	08	602
8774.0016	10	602

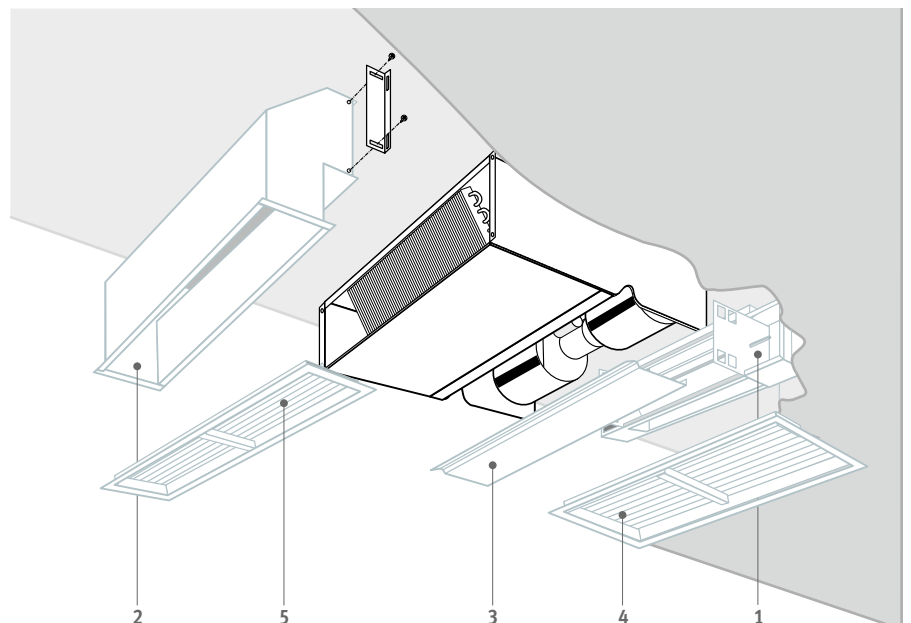
### Air mixing box wall mounted model

1. Servo motor
2. Air mixing box
3. Air inlet grille



### Air mixing box ceiling-mounted model

1. Air mixing box
2. Corner piece with
3. Fan-seal panel
4. Adjustable air inlet grille
5. Adjustable air exhaust grille



# jaga

CLIMATE DESIGNERS

## FREEDOM

Freedom of choice in energy source, installation and application

### **Effective at the lowest water temperatures**

Freedom is super-efficient in combination with any energy source. The lower the water temperature, the clearer the benefits of its power and flexibility! It is the perfect solution for use with heat pumps and new heating systems operating at very low water temperatures.

### **Compact elegant design**

Freestanding Freedom radiators present Jaga's innovative and environmentally friendly Hybrid technology in its most compact and beautiful design yet. From its compact design, it packs a powerful punch and performs much more effectively than a bulky traditional radiator or fan convector and can be sympathetically integrated into any interior design concept.

### **Heating and cooling**

Despite its compact design, Freedom can meet your heating and cooling requirements! It's suitable for non-condensing and condensing cooling using chilled water. Freedom comes fitted with a condensate tray as standard.





FREEDOM





# THE BEST TECHNOLOGY AND BEAUTIFUL DESIGN IN HARMONY

The casing shell is based on a gently curved, double-skin aluminium profile, resulting in an extremely strong radiator with a stylish and unique design. Elegant aluminium or stainless steel grilles complete the refined finish. Freedom represents the pinnacle of energy-efficiency, sustainability and beautiful design!



## PERFECT FOR FREE COOLING

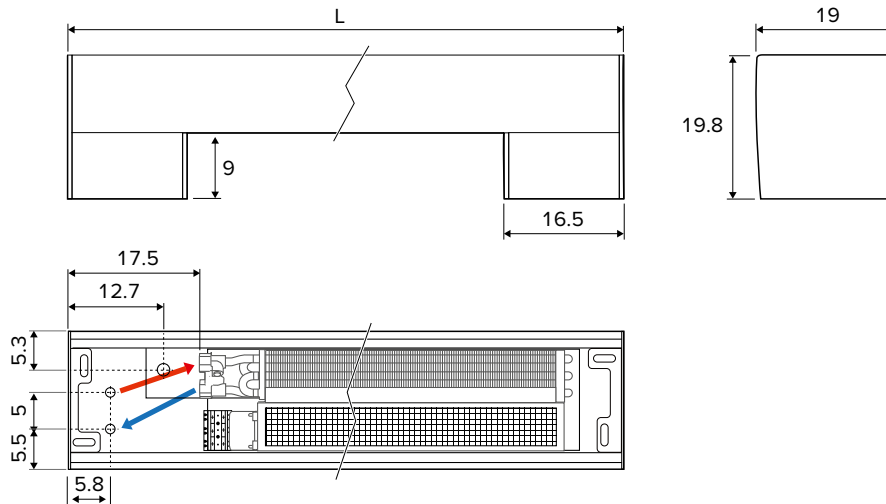
When using water/water heat pumps, summer cooling can be provided using groundwater. This extremely eco-friendly form of cooling will become more and more popular, and may become compulsory in some countries. Freedom is one of the most efficient and environmentally-friendly solutions for this type of climate control



# FREEDOM



## DIMENSIONS (in cm)



## STANDARD DELIVERY

Fully pre-mounted free-standing radiator consisting of:

- aluminium casing
- aluminium cover panels
- aluminium grilles
- dynamic heat exchanger with flexible stainless steel connections 1/2", 15 cm long
- 24 VDC tangential activator(s), with integrated stainless steel filter
- hydraulic and electrical connections integrated in the foot
- pre-assembled JPC with control panel

## COLOURS

Scratch resistant epoxy-polyester finish with a structured satin gloss surface. High UV resistance.

Standard colours:

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lacquer
- off-black RAL 7021 (145) Soft touch: finely textured matte look, gloss degree < 10%

Other colours: see colour chart

## ELECTRICAL CONNECTION

- 24 VDC clamp connector for electrical connection to be connected to an external power supply

## HYDRAULIC CONNECTION

- allow extra space for curtains between the Freedom casing and the window.
- always install Freedom with the heat exchanger on the window side or on the wall side, not on the room side
- insulate valve and pipes to prevent condensation when cooling

## CONNECTION SETS

With Jaga valve and lockshield



- thermoelectric drive 24 VDC
- valve G1/2" x 3/4" Eurocone 180°
- lockshield G1/2" x 3/4" Eurocone 180°
- pressure drop graph Jaga valve: see p. 338

set  
294

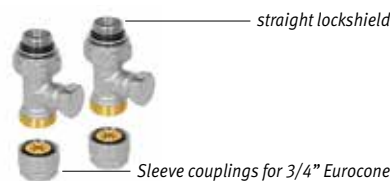
### TWO PIPE

CODY.AA4.24.4... 24 VDC € 119

CODY.AA4.10.4... 24 VDC (0-10 V) € 220

fill in sleeve coupling code

## With 2 lockshields



set  
291

### TWO PIPE

CODY.LOS.00.4... € 52

fill in sleeve coupling code

## SLEEVE COUPLINGS EUROCONE

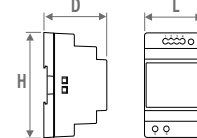
### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2		
617	17/2		
618	18/2		
620	20/2		

## OPTION POWER SUPPLY



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Klasse 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	output Watts	Output current A	€
7990.054	36	1.5	46
7990.055	60	2.5	63
7990.056	92	3.9	90
7990.057	150	6.25	180

Required power = sum of the power consumption of the devices

# FREEDOM

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	STANDARD COLOUR GRILLE BNA	STANDARD COLOUR GRILLE BNC/XXX	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)						
cm	cm	cm		Watts	Watts	Watts	Watts	Watts	Watts	Watts							
020	074	19	1	562	335	221	139	172	123	75	15	37	0.8	813	937	FDCE.020 074 19 /XXX	
			2	792	472	311	196	268	194	118	23	52	1.3				
			3	1218	726	478	301	466	346	210	34	79	3.0				
110	19	19	1	1122	669	441	278	342	245	148	19	75	1.3	1118	1286	FDCE.020 110 19 /XXX	
			2	1580	943	621	391	535	388	235	29	98	2.7				
			3	2433	1451	956	602	931	691	419	37	160	7.1				
145	19	19	1	1687	1006	663	417	513	368	223	20	112	2.1	1559	1794	FDCE.020 145 19 /XXX	
			2	2375	1417	933	588	804	583	353	30	150	4.0				
			3	3656	2181	1436	905	1398	1037	628	39	239	10.1				
181	19	19	1	2249	1341	884	557	687	492	298	22	150	2.5	1763	2028	FDCE.020 181 19 /XXX	
			2	3168	1890	1245	784	1072	777	471	32	196	5.4				
			3	4877	2909	1916	1207	1866	1384	839	41	320	14.1				

Output measured in accordance with EN 16430

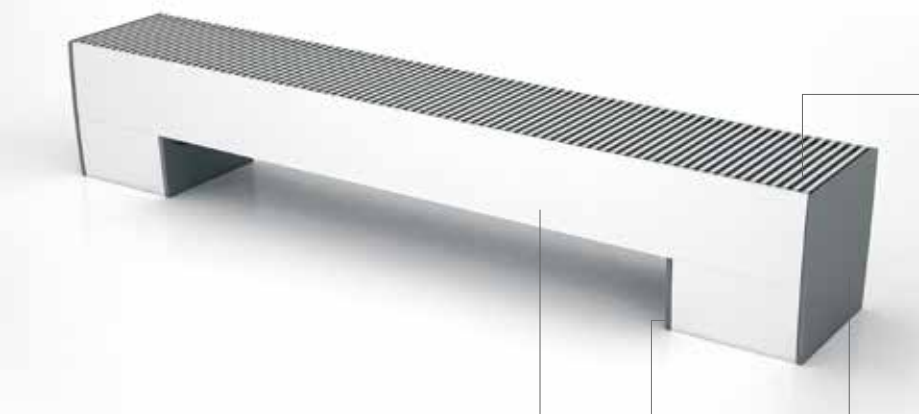
\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

enter grille code



# FREEDOM

## CODE STRUCTURE - OVERVIEW COLOUR COMBINATIONS



Freedom Clima **FDCF. 020 181 19. 133.** /BNA

code height length width colour grille code

**Standard colours:**  
 traffic white RAL 9016 (133)  
 sandblast grey (001)

**Other colours:**  
 see colour chart

**Freedom Clima:**  
 Grille aluminium natural: BNA  
 Grille aluminium lacquered: BNC/2XX  
 enter colour code

## EXAMPLES

with standard colours



with other colours



Create your own



Design your own print  
 For more information contact Jaga:  
 ☎ +32 29 41 12 - ✉ export@jaga.be  
 or your local dealer

## COMPOSITION

### Freedom:

**Natural anodized aluminium grilles with**  
 aerodynamically designed fin profiles for improved  
 air movement

**Stainless steel flexible connections**  
 1/2", 15 cm long

**Electrical connection**

**Pre-assembled Jaga Dynamic Product  
 Controller (JDPC) with control panel**

**Inner casing**  
 in black painted steel plate

**Condensate tray**  
 with outlet spigot ø 10 mm

**Dynamic Low-H<sub>2</sub>O heat exchanger** in  
 copper and aluminium, electrostatically  
 black painted. With "click" steel fastening  
 for easy maintenance

**Tangential activator(s)** with ball-  
 bearing 24VDC EC-motorsaving  
 up to 50% in electricity consump-  
 tion. With soundproof EPDM  
 damperg

**Integrated air filter** in stain-  
 less steel, with steel click  
 fixing for easy maintenance

**Cover-up panels**  
 in aluminium

**asing**  
 in double-skin aluminium





# jaga

CLIMATE DESIGNERS

## CLIMA CANAL

Complete climate control

### **Very high power level for heating and cooling**

A very high power level for heating and cooling. Despite its compact dimensions, the Clima Canal is very powerful. It's compatible with any heat source, and perfect for low temperature heat pumps. Suitable for both light cooling (non-condensing) and deep cooling. All Clima Canal units with a height of 10/13/19 come equipped with a condensation drain and have been developed to quietly generate high power levels within a compact space.

### **Ventilate comfortably**

Jaga Clima Canal can optionally be provided with a ventilation connection. The Clima Canal can thus provide comfortable and pre-heated ventilation while being completely integrated into the floor.

### **With energy-efficient EC- motors**

By making use of the latest EC-motors, the Clima Canal units use 50 % less electrical energy. Moreover, these EC-motors can be controlled through the latest home automation systems via their 0-10 VDC speed control.

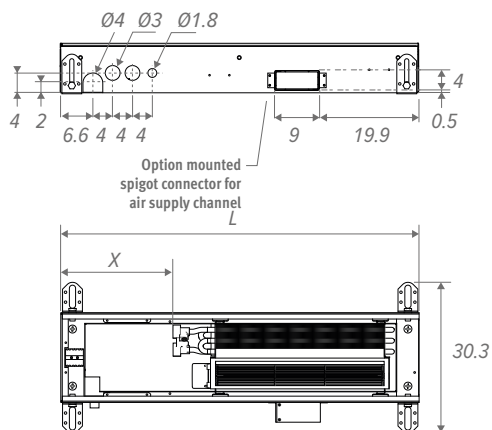




CLIMA CANAL 10-13 - 19

# CLIMA CANAL 10 - SUMMARY

## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
72.3	72.1	23.0
108.3	108.1	23.0
144.3	144.1	18.5
180.3	180.1	15.0

Building in-opening: +0.5 cm

## HYDRAULIC CONNECTION

- one-sided 2-pipe connection on the left
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

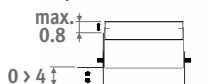
### Cover plate

**grille**  
several styles and colours in anodized aluminium and a range of wood finishes

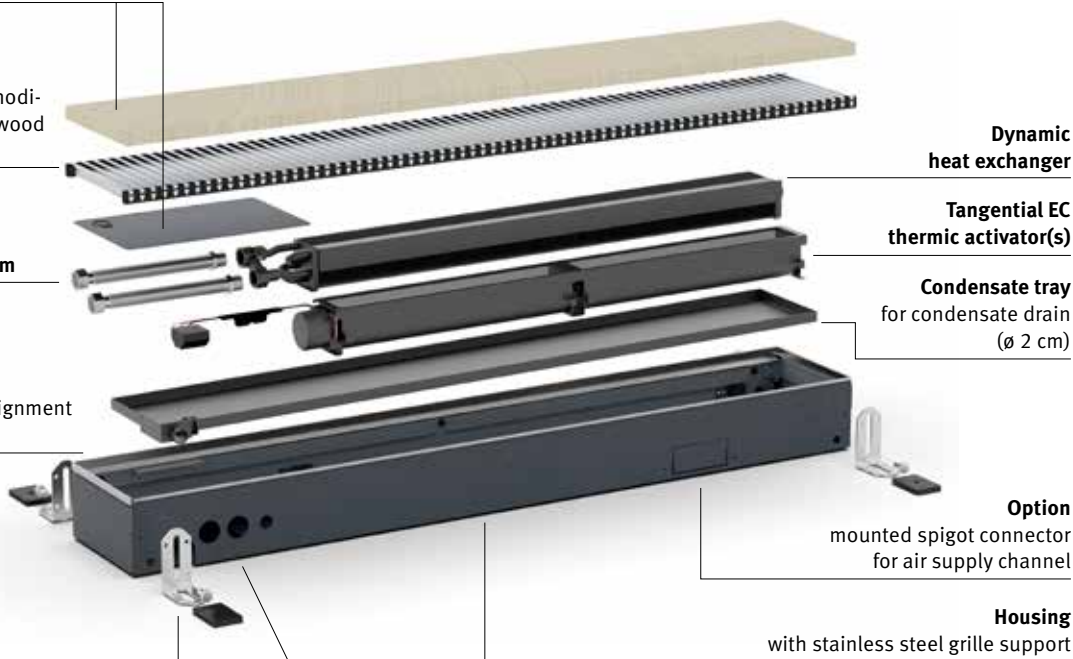
**Stainless steel flexible connections** 1/2". Length 15 cm

**Fine adjustment**  
to max. 0.8 cm, for a perfect alignment with the finished floor

**Fine adjustment** 10 > 10.8 cm



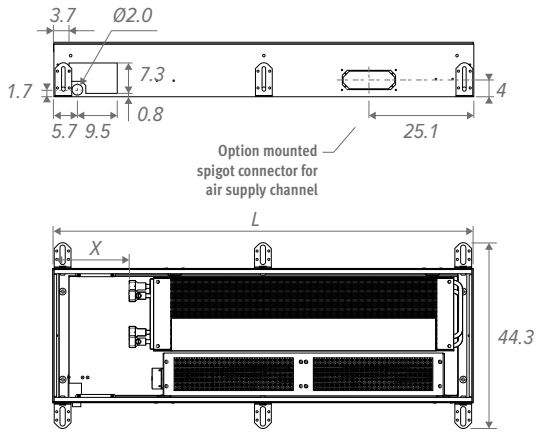
**Feet with height adjustment** 0 > 4.5 cm  
Provided with acoustic decoupling.



**Electric connection & Hydraulic connection** (always left)

# SUMMARY ■ CLIMA CANAL 13

## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
70.3	70.1	18.3
100.3	100.1	18.3
120.3	120.1	18.3
140.3	140.1	18.3
170.3	170.1	18.3
200.3	200.1	18.3
230.3	230.1	18.3
280.3	280.1	18.3

Building in-opening: +0.5 cm

## HYDRAULIC CONNECTION

- 2-pipe: the two-pipe heat exchangers with single-sided connection are always connected to the left of a two-pipe installation
- 4-pipe: the 4-pipe heat exchanger with one-sided connection on the left always has to be connected to an installation with two separated hydraulic systems
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

### Cover plate

### grille

several styles and colours in anodized aluminium and a range of wood finishes

### Stainless steel flexible connections 1/2". Length 15 cm

### Fine adjustment

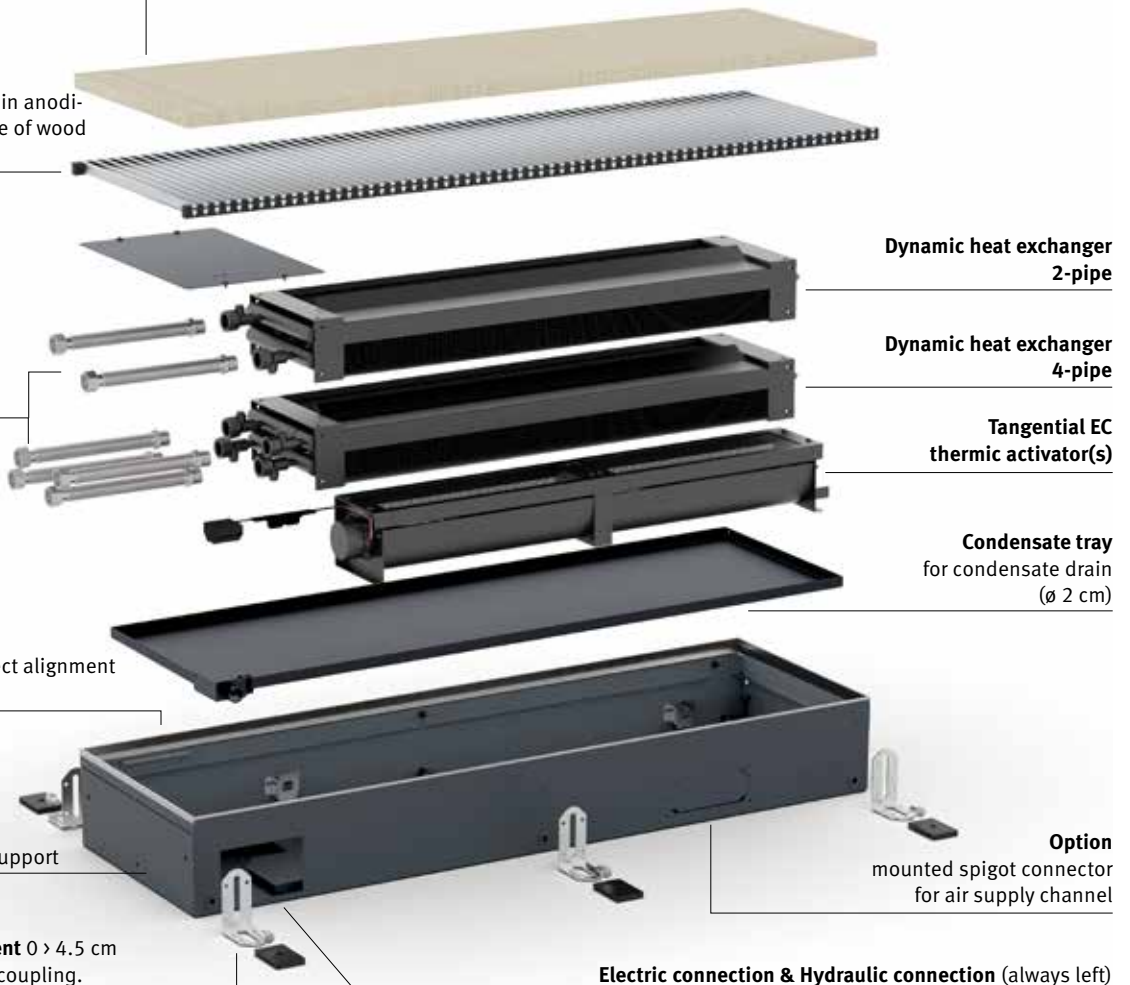
to max. 0.8 cm, for a perfect alignment with the finished floor

### Housing

with stainless steel grille support

### Feet with height adjustment 0 > 4.5 cm

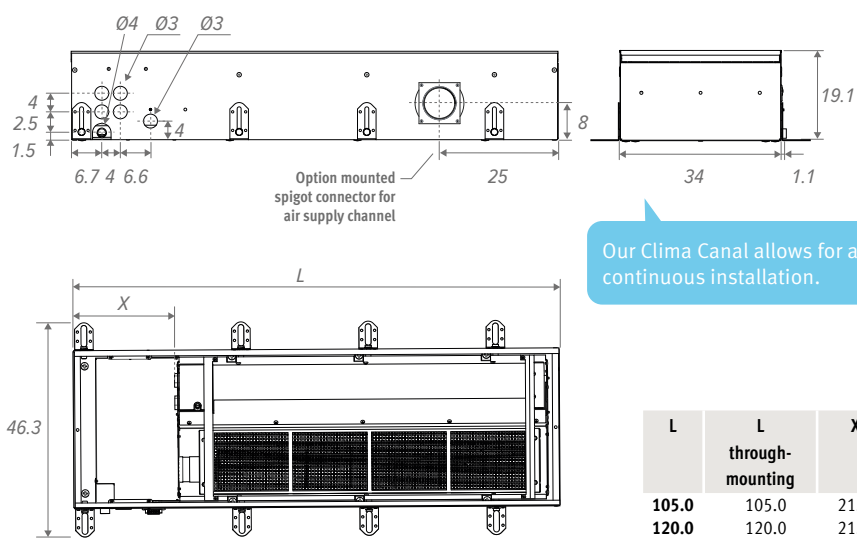
Provided with acoustic decoupling.



Electric connection & Hydraulic connection (always left)

# CLIMA CANAL 19 - SUMMARY

## DIMENSIONS (in cm)



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
105.0	105.0	21.8
120.0	120.0	21.8
200.0	200.0	21.8
280.0	280.0	21.8

Building in-opening: +0.5 cm

## HYDRAULIC CONNECTION

- 2-pipe: the two-pipe heat exchangers with single-sided connection are always connected to the left of a two-pipe installation
- 4-pipe: the 4-pipe heat exchanger with one-sided connection on the left always has to be connected to an installation with two separated hydraulic systems
- always install Clima Canal with the heat exchanger on the window or wall side
- 2 x 1/2" stainless steel hose included
- allow extra space for curtains, in between the window and the canal.
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

## ELECTRIC CONNECTION

- clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- control of speed activator(s) 0-10V

## COMPOSITION

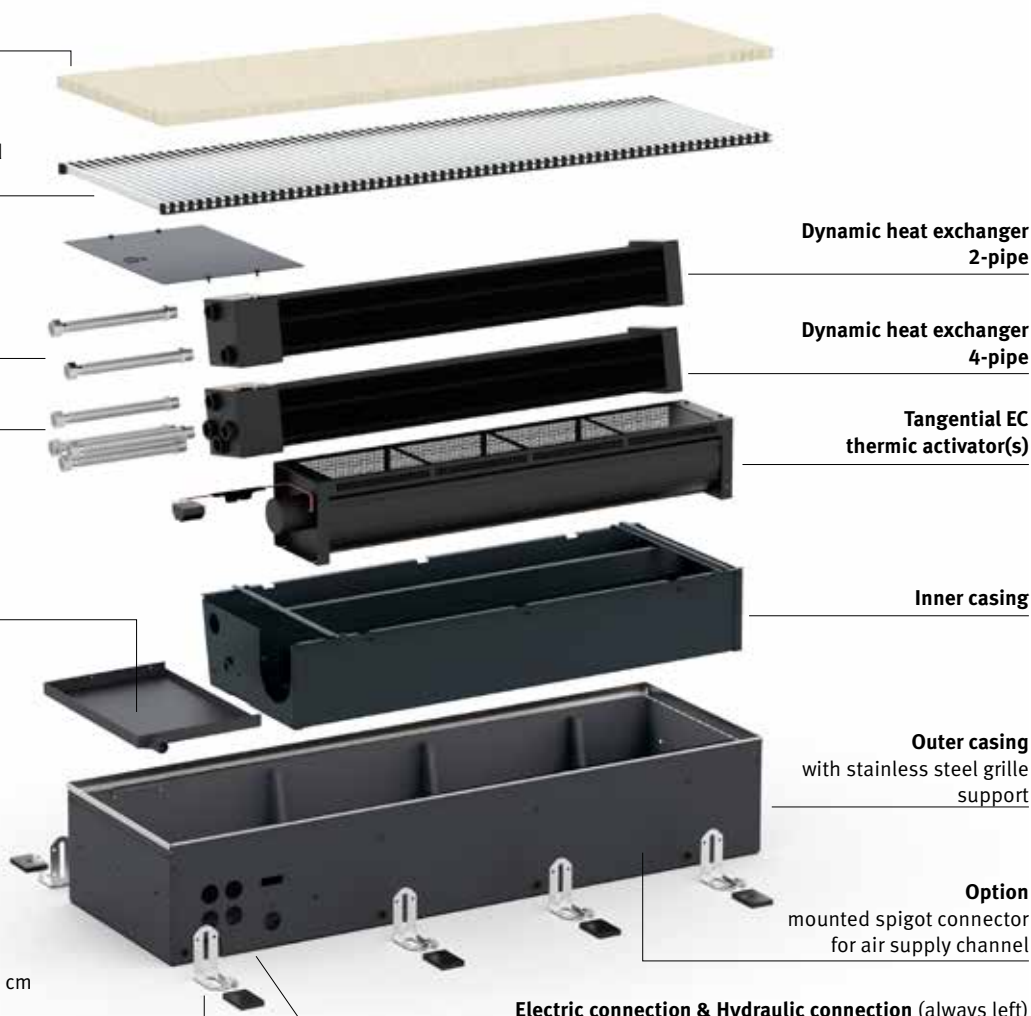
### Cover plate

**grille**  
several styles and colours in anodized aluminium and a range of wood finishes

**Stainless steel flexible connections 1/2". Length 15 cm**

**Condensate tray for condensate drain (ø 2 cm)**

**Feet with height adjustment 0 > 4.5 cm**  
Provided with acoustic decoupling.



# OVERVIEW GRILLES - CLIMA CANAL 10-13-19

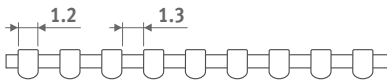
## Wooden grilles



**BON** Oak  
**BOV** Oak varnished



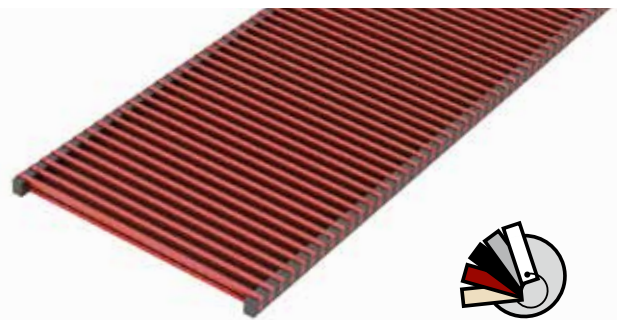
**BBN** Beech  
**BBV** Beech varnished



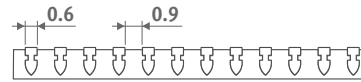
## Aluminium grilles



**BNA** Alu. natural



**BNC/XXX** Alu. lacquered



*Our grilles are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.*



**Height 19**  
2- and 4-pipe

**Height 13**  
2- and 4-pipe

**Height 10**  
2-pipe

**Height 08**  
2-pipe



P. 256

# CLIMA CANAL - OPTIONS

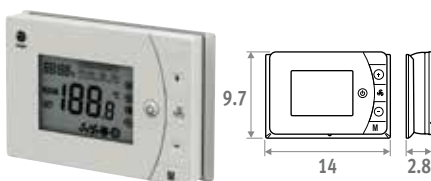
## CLOCK THERMOSTATS HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- automatic thermostat for 2-pipe: heating/cooling or auto
- ventilator speed: min./med./max. or auto
- power supply 24 VDC
- output control(s) 0-10 VDC
- 1 clock thermostat per room
- programmable zones
- LCD display with background lighting
- protection category IP30

## FOR WALL MOUNTING

### Jaga clock thermostat for wall mounting



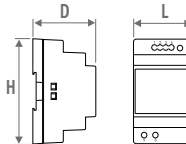
- 2 potential-free contacts heating/cooling (f.e. valve control 24 VDC or 230 VAC)
- with key card contact / window contact
- can be mounted on a junction box with screw holes at 6 cm

CODE		€
8751.050013	wall mounted	96

## POWER SUPPLY DIN-RAIL MONTAGE



The guarantee is only valid if the original Jaga power supply is used.



CODE	H	L	D
7990.054	9.0	3.5	5.9
7990.055	9.0	5.3	5.9
7990.056	9.0	7.0	5.9
7990.057	9.0	10.3	5.9

- for DIN-rail or wall mounting
- conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- output voltage 24 VDC / input 100 - 240 VAC
- screw connection and LED indicator

CODE	Output Watts	Output current A	€
7990.054	36	1.5	46
7990.055	60	2.5	63
7990.056	92	3.9	90
7990.057	150	6.25	180

Required power = sum of the power consumption of the devices

## MAXIMUM CABLE LENGTH

in function of the number of devices: see <http://www.jaga.com/en/products/trench-heating/clima-canal>

## SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/40 Watt with waterproof cable gland.



Clima Canal 10: Not suitable for installation in the floor duct.

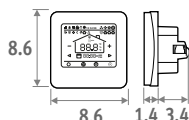
- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	output Watts	Output current A	€
37603.010002	40	1.67	90

## FOR RECESSED MOUNTING

### NEW

### Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen



Wi-Fi

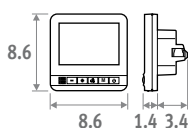


App

- LCD touchscreen with background lighting
- control via WIFI (smartphone app)
- programmable time zones 7 days (1-7)
- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE			€
8751.050017	recessed/panel mounted	White	171
8751.050019	recessed/panel mounted	Black	171

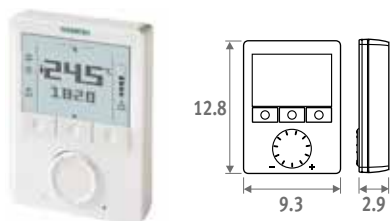
### Jaga clock thermostat for recessed/panel mounting



- control valves 24 VDC heating/cooling
- thermostat to be mounted in a junction box
  - spacing holes at 6 cm
  - minimum depth 4.5 cm
  - inner dimension 5 x 5 cm or Ø 6 cm

CODE		€
8751.050012	recessed/panel mounted	102

### Siemens clock thermostat for wall mounting



- unlimited adjustment possibilities: 74 features and diagnostic test
- For more information contact Jaga: [export@jaga.be](mailto:export@jaga.be)

CODE		€
8751.050009	wall mounted	304

## PRE-ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

**Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.**

- control per appliance
- control with operation and with sensor for water temperature, pre-configured and assembled by Jaga
- power supply 24 VDC
- heating / cooling/ standby
- ventilator settings:
  - o standby
  - o heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
  - o cooling: 3 speeds (operates at water temperature <18°C, can easily be modified)
- 0-10 V input for building management system/thermostats/DPC.CC71-72

For more information contact Jaga [export@jaga.be](mailto:export@jaga.be)

CODE		€
DPC.CC24	Heating	93
DPC.CC25	Heating and cooling	99

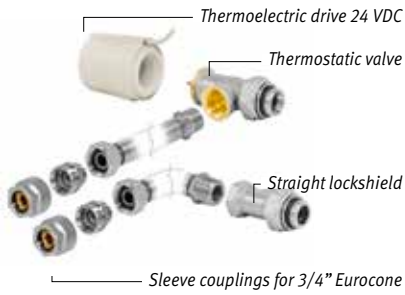
Touch operation



Product controller



## CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



- 24 VDC thermolectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 338

set 297

**Kv max. 0.8 - Presetting in 6 steps**

**TWO PIPE €**

CODY.JA4.24.4...		24 VDC	<b>100</b>
CODY.JA4.10.4...		0...10 VDC	<b>196</b>

set 298

**Kv 1.0 - without pre-setting**

**TWO PIPE €**

CODY.WA4.24.4...		24 VDC	<b>104</b>
CODY.WA4.10.4...		0...10 VDC	<b>198</b>

fill in sleeve coupling code:

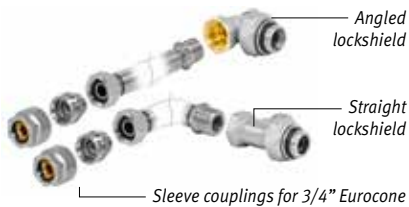
## JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230V



- only for mounting on the distributor, not in the Clima Canal
- with varistor to protect against power surge
- with position indicator (open/closed)

CODE	Description	€
7990.409	180° - G1/2"F / NG 230V 2Watts	<b>107</b>
7990.411	180° - G3/4"F / NG 230V 2Watts	<b>119</b>

## CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set 299

CODY.LOM.00.4...	<b>44</b>
------------------	-----------

fill in sleeve coupling code:

## SLEEVE COUPLINGS EUROCONE

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

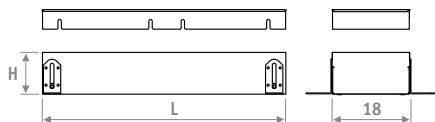
### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

# CLIMA CANAL 10-13-19 - OPTIONS

## EMPTY HOUSING

To fill open spaces for a continuous installation.



- aluminium or Designo wooden grille
- casing with stainless steel grille support
- height adjustment:  
Clima Canal 10: 10 > 14 cm  
Clima Canal 13: 13 > 17 cm  
Clima Canal 19: 19 > 23 cm
- fine adjustment for alignment with the finished floor
- cover plate

### Clima Canal 10

ORDERING CODE	CLCD.	code	height	length	width	grille
		010	072	18	BNA	

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		
010	072	485	560	534
	108	747	859	823
	144	859	987	944
	180	970	1116	1068

### Clima Canal 13

ORDERING CODE	CCLD.	code	height	length	width	grille
		013	072	32	BNA	

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		
013	070	451		
	100	593		
	120	747		
	140	791		
	170	980		
	200	1098		
	230	1231		
	280	1384		
	300	1586		

### Clima Canal 19

ORDERING CODE	CCAD.	code	height	length	width	grille
		019	105	34	BNA	

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		
019	105	664		
	120	726		
	200	1161		
	280	1464		

## MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

### CLIMA CANAL 10 - 13

Height 4 x length 9 cm



CODE	€
/VEN	78

Add /VEN to the code of Clima Canal.  
Example: CLCM. 010 072 18 /XXX /VEN

### CLIMA CANAL 19

Diameter toevoer: ø8 - 10 - 12.5 cm



CODE	€
/VENA ø 08 cm	78
/VENB ø 10 cm	78
/VENC ø 12.5 cm	78

Add /VEN to the code of Clima Canal.  
Example: CCAF. 019 105 34 /XXX /VEN

## CORNER PIECE



- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment:  
Clima Canal 10: 10 > 14 cm  
Clima Canal 13: 13 > 17 cm  
Clima Canal 19: 19 > 23 cm
- fine adjustment for alignment with the finished floor

### Clima Canal 10

ORDERING CODE	CLCD.	code	height	length	width	grille
		010	025	18	BNA	

H	L	BNA	BNC/XXX
010	025	641	795

### Clima Canal 013

ORDERING CODE	CCLD.	code	height	length	width	grille
		013	038	32	BNA	

H	L	BNA	BNC/XXX
013	038	641	795

### Clima Canal 019

ORDERING CODE	CCAD.	code	height	length	width	grille
		019	040	34	BNA	

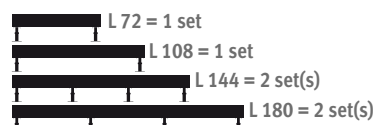
H	L	BNA	BNC/XXX
019	040	641	795

## FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



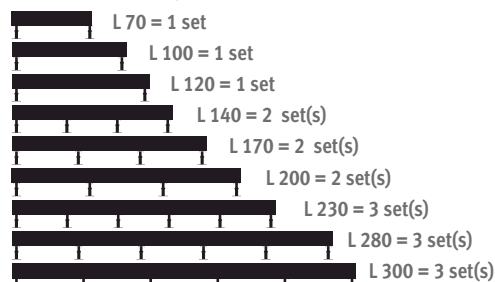
- gelakt in donkergrijs RAL 7024
- gemakkelijke montage d.m.v. schroeven
- 1 set bevat 2 hoogteregelingen

### Aantal sets per lengte Clima Canal 10



CODE	H	€/set
5209.05070000	5 > 7 cm	70
5209.08130000	8 > 13 cm	70
5209.13230000	13 > 23 cm	73
5209.20300000	20 > 30 cm	75

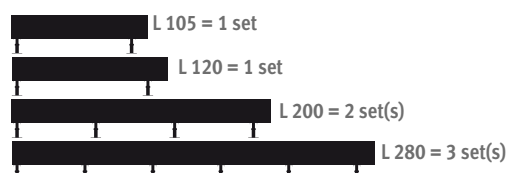
### Number of sets per Clima Canal 13



CODE	H	€/set
5213.05070000	5 > 7 cm	75
5213.08130000	8 > 13 cm	75
5213.13230000	13 > 23 cm	75
5213.20300000	20 > 30 cm	75



### Number of sets per Clima Canal 19



CODE	H	€/set
5212.05070000	5 > 7 cm	75
5212.08130000	8 > 13 cm	75
5212.13230000	13 > 23 cm	75
5212.20300000	20 > 30 cm	75

# 2-PIPE ■ CLIMA CANAL 10

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	BNA / BON / BBN	BNC	BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
<b>010 072 18</b>	2			276	165	108	68	65	42	30	14	24	0.5	<b>898</b>	<b>1030</b>	<b>986</b>	CLCM .010 072 18 /XXX	
	4			496	296	195	123	148	96	66	15	37	0.8					
	6			699	417	275	173	244	161	104	23	52	1.3					
	8			891	531	350	220	348	234	144	28	68	2.1					
	10			1075	641	422	266	451	307	185	34	79	3.0					
<b>108 18</b>	2			569	339	224	141	135	87	62	15	42	0.6	<b>1232</b>	<b>1419</b>	<b>1355</b>	CLCM .010 108 18 /XXX	
	4			1021	609	401	253	302	197	135	19	75	1.3					
	6			1438	858	565	356	502	332	214	29	98	2.7					
	8			1834	1094	720	454	715	480	296	32	125	4.6					
	10			2214	1320	870	548	929	632	381	37	160	7.1					
<b>144 18</b>	2			894	533	351	221	211	135	97	16	66	1.1	<b>1718</b>	<b>1975</b>	<b>1891</b>	CLCM .010 144 18 /XXX	
	4			1605	957	631	397	474	309	212	20	112	2.1					
	6			2260	1348	888	559	788	521	336	30	150	4.0					
	8			2881	1718	1132	713	1124	754	465	35	193	6.6					
	10			3479	2075	1367	861	1457	992	598	39	239	10.1					
<b>180 18</b>	2			1219	727	479	302	287	184	132	18	84	1.2	<b>1942</b>	<b>2234</b>	<b>2136</b>	CLCM .010 180 18 /XXX	
	4			2188	1305	860	541	649	423	290	22	150	2.5					
	6			3082	1838	1211	763	1074	711	458	32	196	5.4					
	8			3929	2343	1543	972	1532	1028	634	37	250	9.1					
	10			4744	2829	1864	1174	1989	1354	816	41	320	14.1					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# CLIMA CANAL 13 - 2-PIPE

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



Clima Canal 13 is also available in L 300. Technical info: see selection tools.

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION	BNA / BON / BBN	BNC	BOV / BBV	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
013	070	32	2	313	187	123	77	147	104	67	16.0	35	1.0	1584			CCLF.013 070 32 /XXX	
			4	692	413	272	171	275	197	122	19.0	44	1.6					
			6	1031	615	405	255	394	285	175	27.0	85	3.2					
			8	1331	794	523	329	492	361	224	35.0	117	5.9					
			10	1592	949	625	394	562	417	271	38.0	137	8.8					
100	32	2	593	354	233	147	278	197	128	20.0	44	1.0	1883			CCLF.013 100 32 /XXX		
		4	1311	782	515	324	522	373	232	25.0	85	1.8						
		6	1955	1166	768	484	746	541	331	29.0	133	3.2						
		8	2523	1505	991	624	932	684	425	36.0	168	6.4						
		10	3017	1799	1185	747	1065	790	515	39.0	202	10.3						
120	32	2	780	465	306	193	366	259	168	20.0	49	1.4	2490			CCLF.013 120 32 /XXX		
		4	1724	1028	677	427	686	491	305	26.0	114	2.4						
		6	2570	1533	1010	636	981	711	435	30.0	174	4.2						
		8	3318	1979	1303	821	1226	899	559	37.0	235	7.2						
		10	3967	2366	1558	982	1401	1039	677	40.0	273	10.6						
140	32	2	966	576	380	239	454	321	208	21.5	79	2.0	2543			CCLF.013 140 32 /XXX		
		4	2137	1275	840	529	850	609	378	26.0	129	3.4						
		6	3186	1900	1252	788	1216	881	539	31.0	218	6.4						
		8	4113	2453	1616	1018	1520	1114	693	38.5	285	12.3						
		10	4917	2933	1932	1217	1736	1288	839	41.5	339	19.1						
170	32	2	1246	743	490	308	585	414	268	22.0	84	2.4	3208			CCLF.013 170 32 /XXX		
		4	2757	1644	1083	682	1097	785	487	27.0	158	4.0						
		6	4110	2451	1614	1017	1569	1137	696	32.0	259	7.4						
		8	5305	3164	2084	1313	1960	1437	894	39.0	352	13.1						
		10	6343	3783	2492	1570	2239	1661	1082	42.0	410	19.4						
200	32	2	1527	910	600	378	717	507	328	23.0	93	2.4	3628			CCLF.013 200 32 /XXX		
		4	3376	2014	1326	835	1343	962	596	28.5	199	4.2						
		6	5033	3002	1977	1245	1921	1392	852	32.5	307	7.4						
		8	6497	3875	2552	1608	2401	1760	1095	39.5	403	13.6						
		10	7768	4633	3052	1922	2742	2034	1325	42.5	475	20.9						
230	32	2	1807	1077	710	447	849	600	389	23.0	98	2.8	4326			CCLF.013 230 32 /XXX		
		4	3996	2383	1570	989	1590	1138	706	29.0	228	4.8						
		6	5957	3552	2340	1474	2274	1647	1008	33.0	348	8.4						
		8	7689	4586	3021	1903	2841	2083	1295	40.0	470	14.4						
		10	9193	5483	3611	2275	3246	2407	1568	43.0	546	21.2						
280	32	2	2273	1356	893	563	1068	755	489	24.0	133	3.8	5088			CCLF.013 280 32 /XXX		
		4	5028	2999	1975	1244	2000	1432	888	29.5	272	6.4						
		6	7496	4470	2945	1855	2862	2073	1269	34.0	433	11.6						
		8	9676	5771	3801	2394	3575	2621	1630	41.0	587	20.3						
		10	11569	6900	4545	2863	4084	3029	1973	44.0	683	30.0						

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# 4-PIPE ■ CLIMA CANAL 13

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 4 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



Clima Canal 13 is also available in L 300.  
Technical info: see selection tools.

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	BNA / BON / BBN	BNC	BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
013	070	32	2	268	160	105	66	141	100	65	16.0	35	1.0	1754				QCLF .013 070 32 /XXX
			4	535	319	210	132	264	189	117	19.0	44	1.6					
			6	755	450	297	187	381	276	169	27.0	85	3.2					
			8	927	553	364	229	480	352	219	35.0	117	5.9					
			10	1053	628	414	260	553	410	267	38.0	137	8.8					
100	32	2	2	509	303	200	126	267	189	122	20.0	44	1.0	2039				QCLF .013 100 32 /XXX
			4	1014	605	398	251	501	359	222	25.0	85	1.8					
			6	1431	853	562	354	721	523	320	29.0	133	3.2					
			8	1758	1048	690	435	909	666	415	36.0	168	6.4					
			10	1995	1190	784	494	1049	778	507	39.0	202	10.3					
120	32	2	2	669	399	263	166	352	249	161	20.0	49	1.4	2420				QCLF .013 120 32 /XXX
			4	1334	796	524	330	659	472	293	26.0	114	2.4					
			6	1881	1122	739	466	949	687	421	30.0	174	4.2					
			8	2311	1378	908	572	1195	876	545	37.0	235	7.2					
			10	2624	1565	1031	649	1379	1023	666	40.0	273	10.6					
140	32	2	2	829	494	326	205	436	308	200	21.5	79	2.0	2705				QCLF .013 140 32 /XXX
			4	1653	986	649	409	817	585	363	26.0	129	3.4					
			6	2332	1391	916	577	1176	852	521	31.0	218	6.4					
			8	2865	1709	1125	709	1482	1086	676	38.5	285	12.3					
			10	3252	1940	1278	805	1710	1268	826	41.5	339	19.1					
170	32	2	2	1069	638	420	265	562	398	258	22.0	84	2.4	3338				QCLF .013 170 32 /XXX
			4	2133	1272	838	528	1053	754	468	27.0	158	4.0					
			6	3008	1794	1182	744	1517	1099	672	32.0	259	7.4					
			8	3695	2204	1452	914	1911	1401	872	39.0	352	13.1					
			10	4195	2502	1648	1038	2205	1636	1065	42.0	410	19.4					
200	32	2	2	1310	781	514	324	688	487	315	23.0	93	2.4	4058				QCLF .013 200 32 /XXX
			4	2612	1558	1026	646	1290	923	573	28.5	199	4.2					
			6	3684	2197	1447	912	1857	1346	823	32.5	307	7.4					
			8	4526	2699	1778	1120	2341	1716	1067	39.5	403	13.6					
			10	5138	3064	2018	1271	2701	2003	1305	42.5	475	20.9					
230	32	2	2	1550	924	609	384	815	576	373	23.0	98	2.8	4454				QCLF .013 230 32 /XXX
			4	3091	1843	1214	765	1527	1093	678	29.0	228	4.8					
			6	4360	2600	1713	1079	2198	1592	975	33.0	348	8.4					
			8	5356	3194	2104	1325	2770	2031	1263	40.0	470	14.4					
			10	6080	3626	2389	1505	3196	2371	1544	43.0	546	21.2					
280	32	2	2	1950	1163	766	483	1025	725	470	24.0	133	3.8	5332				QCLF .013 280 32 /XXX
			4	3890	2320	1528	963	1921	1375	853	29.5	272	6.4					
			6	5486	3272	2155	1358	2766	2004	1226	34.0	433	11.6					
			8	6740	4020	2648	1668	3486	2556	1590	41.0	587	20.3					
			10	7651	4563	3006	1893	4022	2983	1943	44.0	683	30.0					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# CLIMA CANAL 19 - 2-PIPE

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 2 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment  $\Delta > 4.5$  cm, provided with acoustic decoupling
- Cover plate



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	BNA	BNC	BOV / BBV	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	7/12	7/12	16/18	dB(A)							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
019	105	34	2	1245	743	489	308	378	267	164	17.0	97	1.5	2366			CCAF .019 105 34 /XXX	
			4	1965	1172	772	486	729	522	321	21.0	167	2.7					
			6	2567	1531	1008	635	1069	775	474	27.0	236	4.8					
			8	3102	1850	1218	768	1405	1030	626	35.0	309	9.3					
			10	3593	2143	1411	889	1895	1290	777	40.0	351	15.0					
120	34		2	1548	923	608	383	516	332	204	19.0	82	3.2	2572			CCAF .019 120 34 /XXX	
			4	2442	1457	959	604	994	649	398	22.0	179	6.7					
			6	3189	1902	1253	789	1454	962	589	28.0	260	12.1					
			8	3854	2299	1514	954	1907	1280	778	36.0	351	18.4					
			10	4464	2662	1754	1105	2354	1602	965	41.0	401	24.0					
200	34		2	3021	1802	1187	748	1008	648	398	21.1	179	4.6	4284			CCAF .019 200 34 /XXX	
			4	4768	2844	1873	1180	1942	1267	778	24.6	346	9.4					
			6	6227	3714	2446	1541	2839	1879	1151	30.5	496	16.9					
			8	7525	4488	2956	1862	3723	2499	1519	38.5	660	27.7					
			10	8716	5198	3424	2157	4597	3128	1885	43.5	752	38.9					
280	34		2	4495	2681	1766	1112	1499	964	592	22.5	276	6.1	5957			CCAF .019 280 34 /XXX	
			4	7094	4231	2787	1756	2889	1885	1157	26.1	513	12.1					
			6	9264	5525	3639	2293	4224	2796	1712	32.1	732	21.7					
			8	11196	6677	4398	2770	5540	3718	2260	40.1	969	37.0					
			10	12967	7734	5094	3209	6839	4655	2804	45.1	1103	53.8					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

# 4-PIPE - CLIMA CANAL 19

## STANDARD DELIVERY

- casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support
- anodized aluminium grille(s)
- dynamic heat exchanger
- 4 stainless steel flexible connections 1/2", length 15 cm.
- thermal activator(s), (tangential mini activator)
- Feet with height adjustment 0 > 4.5 cm, provided with acoustic decoupling
- Cover plate



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C	COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CON-SUMPTION	BNA	BNC	BOV / BBV	ORDER CODE
H	L	B		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18							
cm	cm	cm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts								
019	105	34	2	830	495	326	205	343	243	149	17.0	97	1.5	2578			QCAF.019 105 34 /XXX	
			4	1310	781	515	324	663	475	291	21.0	167	2.7					
			6	1711	1021	672	423	972	704	431	27.0	236	4.8					
			8	2068	1233	812	512	1277	937	569	35.0	309	9.3					
			10	2395	1428	941	593	1581	1172	706	40.0	351	15.0					
120	34		2	1032	615	405	255	469	302	185	19.0	82	3.2	2756			QCAF.019 120 34 /XXX	
			4	1628	971	640	403	904	590	362	22.0	179	6.7					
			6	2126	1268	835	526	1322	875	536	28.0	260	12.1					
			8	2570	1532	1009	636	1734	1164	707	36.0	351	18.4					
			10	2976	1775	1169	736	2140	1457	878	41.0	401	24.0					
200	34		2	2014	1201	791	498	916	589	362	21.1	179	4.6	4500			QCAF.019 200 34 /XXX	
			4	3179	1896	1249	787	1765	1152	707	24.6	346	9.4					
			6	4151	2476	1631	1027	2581	1708	1046	30.5	496	16.9					
			8	5017	2992	1971	1241	3385	2272	1381	38.5	660	27.7					
			10	5810	3465	2283	1438	4179	2844	1714	43.5	752	38.9					
280	34		2	2997	1787	1177	742	1363	877	538	22.5	276	6.1	6230			QCAF.019 280 34 /XXX	
			4	4729	2821	1858	1170	2626	1713	1052	26.1	513	12.1					
			6	6176	3683	2426	1528	3840	2542	1556	32.1	732	21.7					
			8	7464	4451	2932	1847	5036	3380	2055	40.1	969	37.0					
			10	8645	5156	3396	2139	6217	4231	2549	45.1	1103	53.8					

\* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m³ / reverberation time 0.5 sec.

fill in grille code

## CONNECTION SETS & VALVES

### **MOST USED CONNECTION SETS<sup>318</sup>**

#### **ALL CONNECTION SETS EUROCONE 3/4"**

- Trench heating 319
- To the wall 320
- To the floor 324

#### **ALL CONNECTION SETS M24**

- To the wall 328
- To the floor 329

#### **SEPERATE LOW-H<sub>2</sub>O VALVES**

- 3/4" EUROCONE 330
- G1/2" 332
- M24 334

#### **THERMOSTATIC HEADS 336**

#### **PRESSURE DROP 338**

To make it even easier for you, Jaga offers you complete connection sets. With one code you can order a complete valve set, including thermostat head and sleeve couplings. All Jaga valve sets are fully lockable and have a preset setting.







CONNECTION SETS & VALVES

# MOST USED CONNECTION SETS

## LOW-H<sub>2</sub>O WALL HEATERS

Strada (Hybrid), Tempo, Linea Plus, Knockonwood, Mini, Installation in a wall recess (Hybrid)

To the wall

**Flow on the outside** 3/4" Eurocone

Set	€	Set	€
<b>Set 103</b>		<b>Set 163</b>	
<b>Heating only</b>		<b>Heating only</b>	
COLO.HBSW.JW.4...	106	COLO.HESW.JW.4...	154
COLO.HBSW.AS.4...	106	COLO.HESW.AS.4...	154
COLO.HBSW.AC.4...	117	COLO.HESW.AC.4...	165
COLO.HBSW.AW.4...	97	COLO.HESW.AW.4...	147
COLO.HBSW.MA.4...	68	COLO.HESW.MA.4...	118
<b>Heating + cooling</b>		<b>Heating + cooling</b>	
COLO.HBSW.HC.4...	153	COLO.HESW.HC.4...	200
COLO.HBSW.MA.4...	68	COLO.HESW.MA.4...	118

To the floor

**Flow on the outside** 3/4" Eurocone

Set	€	Set	€
<b>Set 104</b>		<b>Set 164</b>	
<b>Heating only</b>		<b>Heating only</b>	
COLO.HBSF.JW.4...	106	COLO.HESF.JW.4...	154
COLO.HBSF.AS.4...	106	COLO.HESF.AS.4...	154
COLO.HBSF.AC.4...	117	COLO.HESF.AC.4...	165
COLO.HBSF.AW.4...	97	COLO.HESF.AW.4...	147
COLO.HBSF.MA.4...	68	COLO.HESF.MA.4...	118
<b>Heating + cooling</b>		<b>Heating + cooling</b>	
COLO.HBSF.HC.4...	153	COLO.HESF.HC.4...	200
COLO.HBSF.MA.4...	68	COLO.HESF.MA.4...	118

**Flow on the inside** 3/4" Eurocone

Set	€	Set	€
<b>Set 101</b>		<b>Set 161</b>	
<b>Heating only</b>		<b>Heating only</b>	
COLO.HBCW.JW.4...	106	COLO.HECW.JW.4...	154
COLO.HBCW.AS.4...	106	COLO.HECW.AS.4...	154
COLO.HBCW.AC.4...	117	COLO.HECW.AC.4...	165
COLO.HBCW.AW.4...	97	COLO.HECW.AW.4...	147
COLO.HBCW.MA.4...	68	COLO.HECW.MA.4...	118
<b>Heating + cooling</b>		<b>Heating + cooling</b>	
COLO.HBCW.HC.4...	153	COLO.HECW.HC.4...	200
COLO.HBCW.MA.4...	68	COLO.HECW.MA.4...	118

**Flow on the inside** 3/4" Eurocone

Set	€	Set	€
<b>Set 102</b>		<b>Set 162</b>	
<b>Heating only</b>		<b>Heating only</b>	
COLO.HBCF.JW.4...	106	COLO.HECF.JW.4...	154
COLO.HBCF.AS.4...	106	COLO.HECF.AS.4...	154
COLO.HBCF.AC.4...	117	COLO.HECF.AC.4...	165
COLO.HBCF.AW.4...	97	COLO.HECF.AW.4...	147
COLO.HBCF.MA.4...	68	COLO.HECF.MA.4...	118
<b>Heating + cooling</b>		<b>Heating + cooling</b>	
COLO.HBCF.HC.4...	153	COLO.HECF.HC.4...	200
COLO.HBCF.MA.4...	68	COLO.HECF.MA.4...	118

**To the wall within the casing** 3/4" Eurocone

Set	€	Set	€	Set	€
<b>Set 225</b>		<b>Set 265</b>		<b>Set 226</b>	
<b>Heating only</b>		<b>Heating only</b>		<b>Heating only</b>	
COLO.SW2.JW.4...	88	COLO.EW2.JH.4...	124	COLO.LOA.00.4...	39
COLO.SW2.AS.4...	88	COLO.EW2.AS.4...	118		
COLO.SW2.AC.4...	98	COLO.EW2.AC.4...	128		
COLO.SW2.AW.4...	81	COLO.EW2.AW.4...	111		
COLO.SW2.MA.4...	51	COLO.EW2.MA.4...	81		
<b>Heating + cooling</b>		<b>Heating + cooling</b>		<b>Heating + cooling</b>	
COLO.SW2.HC.4...	135	COLO.EW2.HC.4...	164	COLO.LOA.00.4...	39
COLO.SW2.MA.4...	51	COLO.EW2.MA.4...	81		

All sets are available with one of the following heads:

**Jaga thermostatic head JW**



**Heimeier JH**



**THERMOSTATIC HEAD AW**



**THERMOSTATIC HEAD AS**



**THERMOSTATIC HEAD AC**



**Heimeier thermostatic head HC**



**NEW**

**MANUAL HEAD MA**



For more controls: see [jaga.com](http://jaga.com)  
Adjusting valves: see [jaga.com](http://jaga.com)

## LOW-H<sub>2</sub>O TRENCH HEATING

Mini Canal (Hybrid)

**For height 09 and 11** *3/4" Eurocone*

Jaga thermostatic valve Eurocone  
straight lockshield  
Sleeve couplings for 3/4" Eurocone  
Example with manual head

**set 271** Kv max. 0.6

TWO PIPE	TRV head	€
COMC.JH2.MA.4...	MA	52
COMC.JH2.AB.4...	AB	93
COMC.JH2.RD.4...	RD	171
COMC.JH2.RW.4...	RW	164
COMC.JH2.RB.4...	RB	170
COMC.JH2.24.4...	24 (24 VDC)	111
COMC.JH2.23.4...	23 (230 VAC)	111

fill in sleeve coupling code

Not suitable for:

- width 14 cm
- Micro Canal and Clima Canal
- heat exchangers with opposite end connection

**For height 14 and 19** *3/4" Eurocone*

Jaga thermostatic valve Eurocone  
Example with manual head  
Angled lockshield  
Sleeve couplings for 3/4" Eurocone

**set 272** Kv max. 0.6

TWO PIPE	TRV head	€
COMC.JV2.MA.4...	MA	47
COMC.JV2.AB.4...	AB	
COMC.JV2.RD.4...	RD	165
COMC.JV2.RW.4...	RW	159
COMC.JV2.RB.4...	RB	164
COMC.JV2.24.4...	24 (24 VDC)	105
COMC.JV2.23.4...	23 (230 VAC)	105

fill in sleeve coupling code

Not suitable for:

- Micro Canal and Clima Canal
- heat exchangers with opposite end connection

### OVERVIEW CONTROLS

MA AB RD RW 23-24

All technical information:

- About these sets: pag 320 - 329
- Thermostatic heads: pag. 336
- Pressure drop: pag. 338

### SLEEVE COUPLINGS EUROCONE

#### Ordering example

Complete ordering code with sleeve couplings according to the material used and  $\varnothing$  of the tube. Included in the price of the connection sets.

connection set code sleeve coupling code  
COMC. JH2. MA. 4. **112**

#### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

#### Synthetic or RPE/ALU tube

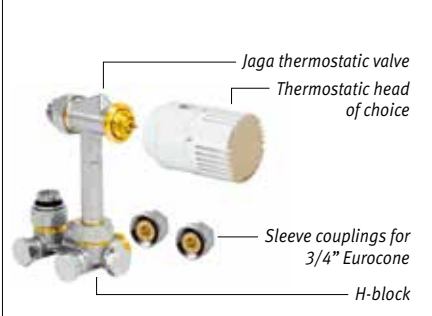
CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

Tightening torque:  
see page 331

# ALL CONNECTION SETS LOW-H<sub>2</sub>O WALL

## VIA BOTTOM OF CASING WITH JAGA H-BLOCK

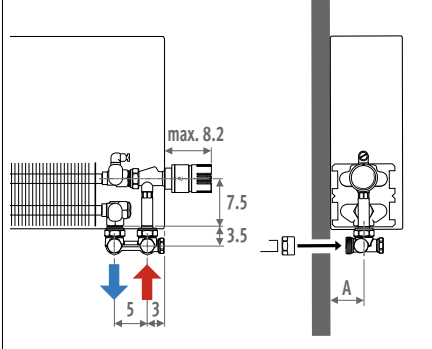
### TRV head at low level 3/4" Eurocone



set 103	Kv max. 0.6 TWO PIPE ONE PIPE	TRV head	
		TRV head	€
	COLO.HBSW.JW.4...	JW	106
	COLO.HBSW.JH.4...	JH	112
	COLO.HBSW.AC.4...	AC	117
	COLO.HBSW.AW.4...	AW	97
	COLO.HBSW.AS.4...	AS	106

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



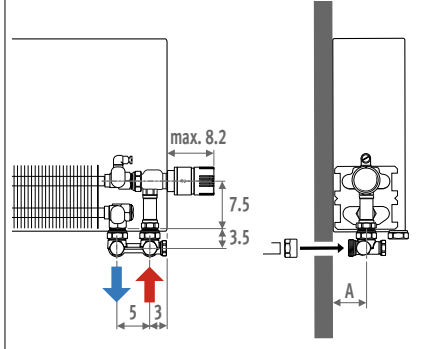
### TRV head at low level 3/4" Eurocone



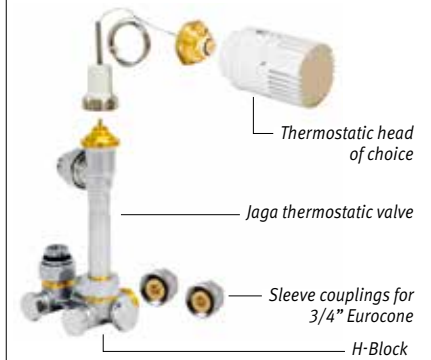
set 163	Automatic flow limiter 0.01 - 0.15 TWO PIPE ONE PIPE	TRV head	
		TRV head	€
	COLO.HESW.JW.4...	JW	154
	COLO.HESW.JH.4...	JH	161
	COLO.HESW.AC.4...	AC	165
	COLO.HESW.AW.4...	AW	147
	COLO.HESW.AS.4...	AS	154

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



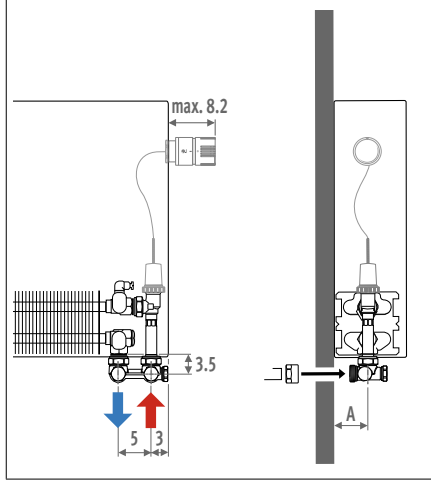
### TRV head at high level 3/4" Eurocone



set 117	Kv max. 0.6 TWO PIPE ONE PIPE	TRV head	
		TRV head	€
	COLO.VBSW.JW.4...	JW	227
	COLO.VBSW.JH.4...	JH	234
	COLO.VBSW.AC.4...	AC	240
	COLO.VBSW.AW.4...	AW	219
	COLO.VBSW.AS.4...	AS	227
	COLO.VBSW.MA.4...	MA	193

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.  
Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008 - 013.



## OVERVIEW CONTROLS



## SLEEVE COUPLINGS EUROCONE

**Ordering example**  
Complete ordering code with sleeve couplings according to the material used and Ø of the tube. Included in the price of the connection sets..  
connection set code    sleeve coupling code  
COLO. HBSW. JW. 4.    112

Precision metal tube		Synthetic or RPE/ALU tube			
CODE	Tube	CODE	Tube	CODE	Tube
112	12/1	612	12/2	615	15/2.5
114	14/1	614	14/2	619	16/1.5
115	15/1	616	16/2	620	20/2
116	16/1	617	17/2		
118	18/1	618	18/2		

Tightening torque: see page 331

## Remote controlled 3/4" Eurocone



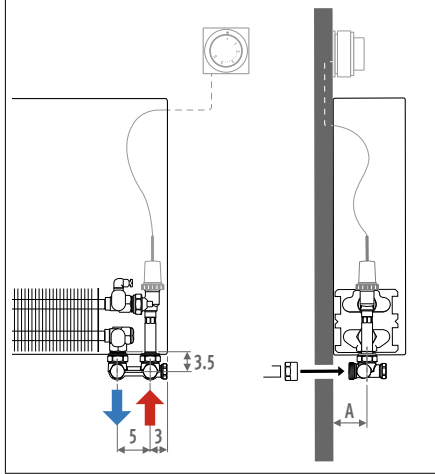
**set 113** Kv max. 0.6

TWO PIPE ONE PIPE	TRV head	€
COLO.VBSW.RD.4...	RD	201
COLO.VBSW.RW.4...	RW	196
COLO.VBSW.24.4...	24 (24 VDC)	119
COLO.VBSW.23.4...	23 (230 VAC)	119

fill in sleeve coupling code

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code

Also suitable for installation in a wall recess. Not suitable for Strada type 06, Knockonwood type 06 and Mini H 008 - 013.



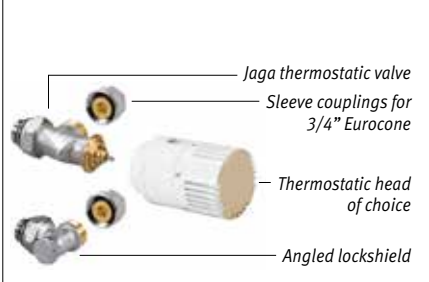
Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm

- Dimensional drawing p. 330
- Adjusting one pipe p. 331
- Pressure drop p. 338

## WITHIN THE CASING

### With Jaga valve 3/4" Eurocone

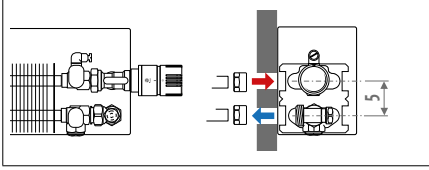


**set 225** Kv max. 0.6

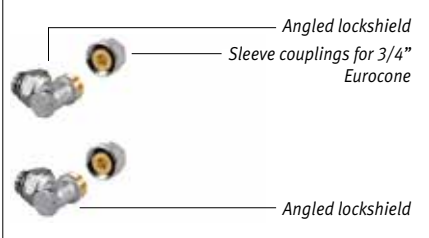
TWO PIPE	TRV head	€
COLO.SW2.JW.4...	JW	88
COLO.SW2.JH.4...	JH	94
COLO.SW2.AC.4...	AC	98
COLO.SW2.AW.4...	AW	81
COLO.SW2.AS.4...	AS	88

fill in sleeve coupling code

Not suitable for Strada type 06, Knockonwood type 06 and Mini.



### With angled lockshield

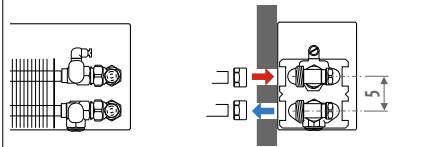


**set 226** TWO PIPE €

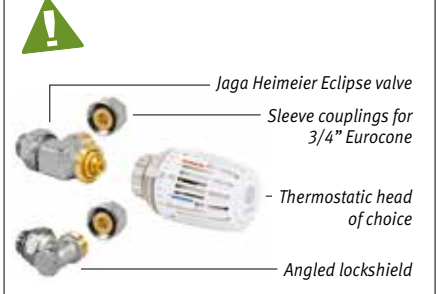
COLO.LOA.00.4...	39
------------------	----

fill in sleeve coupling code

Not suitable for Strada type 06, Knockonwood type 06 and Mini.



### With Jaga Heimeier Eclipse valve 3/4" Eurocone

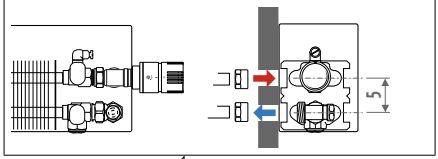


**set 265** Automatic flow limiter 0.01 - 0.15

TWO PIPE	TRV head	€
COLO.EW2.JW.4...	JW	118
COLO.EW2.JH.4...	JH	124
COLO.EW2.AC.4...	AC	128
COLO.EW2.AW.4...	AW	111
COLO.EW2.AS.4...	AS	118

fill in sleeve coupling code

Not suitable for Strada type 06, Knockonwood type 06 and Mini.



**SET 163 - 265 with JAGA HEIMEIER ECLIPSE VALVE**

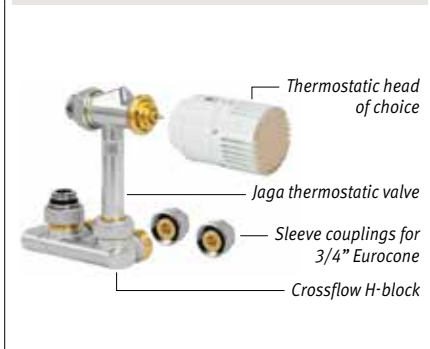
The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently from the pressure difference. This means complicated calculations to determine settings are unnecessary.

# ALL CONNECTION SETS LOW-H<sub>2</sub>O WALL CROSSFLOW

VIA BOTTOM OF CASING WITH JAGA CROSSFLOW H-BLOCK

FLOW ON THE INSIDE

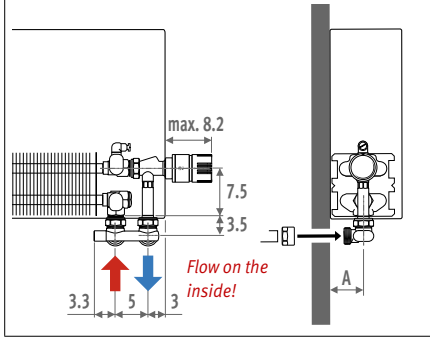
## TRV head at low level 3/4" Eurocone



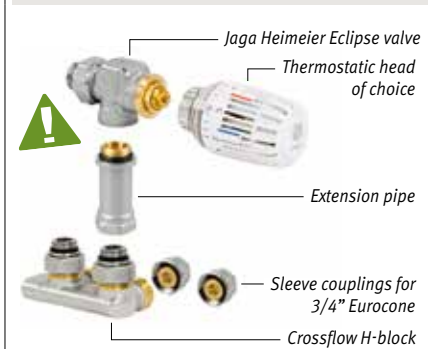
set 101	Kv max. 0.6	TWO PIPE	TRV head	€
		COLO.HBCW.JW.4...	JW	106
		COLO.HBCW.JH.4...	JH	112
		COLO.HBCW.AC.4...	AC	117
		COLO.HBCW.AW.4...	AW	97
		COLO.HBCW.AS.4...	AS	106

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



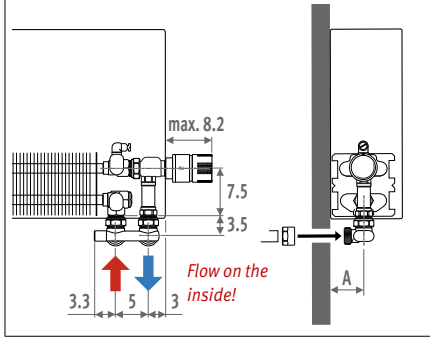
## TRV head at low level 3/4" Eurocone



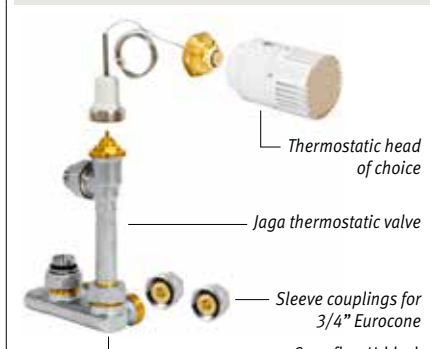
set 161	Automatic flow limiter 0.01 - 0.15	TWO PIPE	TRV head	€
		COLO.HECW.JW.4...	JW	154
		COLO.HECW.JH.4...	JH	161
		COLO.HECW.AC.4...	AC	165
		COLO.HECW.AW.4...	AW	147
		COLO.HECW.AS.4...	AS	154

fill in sleeve coupling code

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008.



## TRV head at high level 3/4" Eurocone

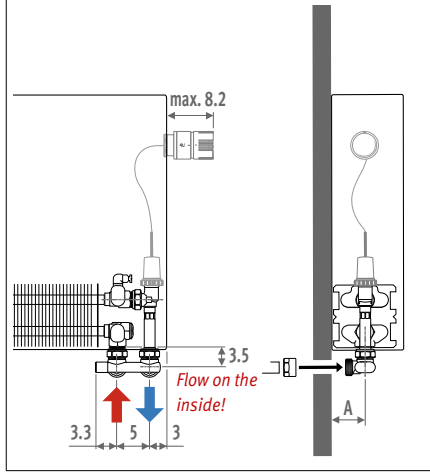


set 115	Kv max. 0.6	TWO PIPE	TRV head	€
		COLO.VBCW.JW.4...	JW	227
		COLO.VBCW.JH.4...	JH	234
		COLO.VBCW.AC.4...	AC	240
		COLO.VBCW.AW.4...	AW	219
		COLO.HBCW.AS.4...	AS	106
		COLO.VBCW.MA.4...	MA	193

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.

Not suitable for Strada type 06, Knockon-wood type 06 and Mini H 008 - 013.



**JAGA HEIMEIER ECLIPSE VALVE**

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently from the pressure difference. This means complicated calculations to determine settings are unnecessary.



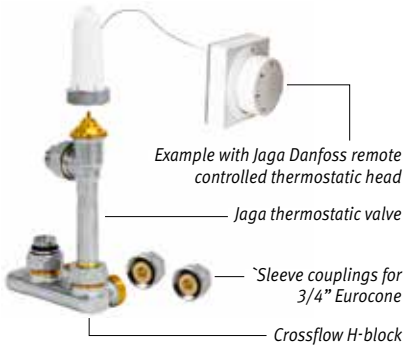
### SLEEVE COUPLINGS EUROCONE

Ordering example  
Complete ordering code with sleeve couplings according to the material used and ø of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
COLO. HBCW. JW. 4.    112

Precision metal tube		Synthetic or RPE/ALU tube			Tightening torque: see page 331
CODE	Tube	CODE	Tube	CODE	
112	12/1	612	12/2	615	15/2.5
114	14/1	614	14/2	619	16/1.5
115	15/1	616	16/2	620	20/2
116	16/1	617	17/2		
118	18/1	618	18/2		

## Remote controlled 3/4" Eurocone



set  
**111**

**Kv max. 0.6**

<b>TWO PIPE</b>	TRV head	€
COLO.VBCW.RD.4...	<b>RD</b>	<b>201</b>
COLO.VBCW.RW.4...	<b>RW</b>	<b>196</b>
COLO.VBCW.24.4...	<b>24</b> (24 VDC)	<b>119</b>
COLO.VBCW.23.4...	<b>23</b> (230 VAC)	<b>119</b>

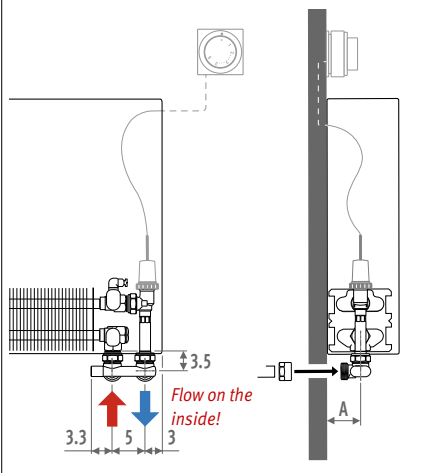
*fill in sleeve coupling code*

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code

Also suitable for installation in a wall recess.

Not suitable for Strada type 06,

Knockonwood type 06 and Mini H 008 - 013.



Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

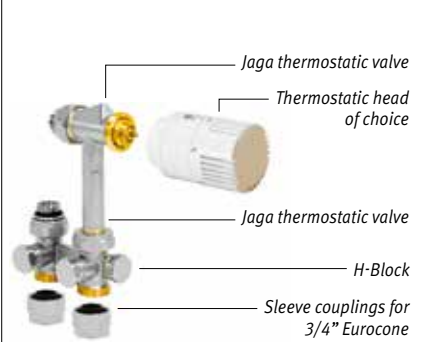
\* Mini + 1.5 cm

**i** Dimensional drawing p. 330  
Pressure drop p. 338

# ALL CONNECTION SETS LOW H<sub>2</sub>O FLOOR

## VIA BOTTOM OF CASING WITH JAGA H-BLOCK

### TRV head at low level 3/4" Eurocone



set 104

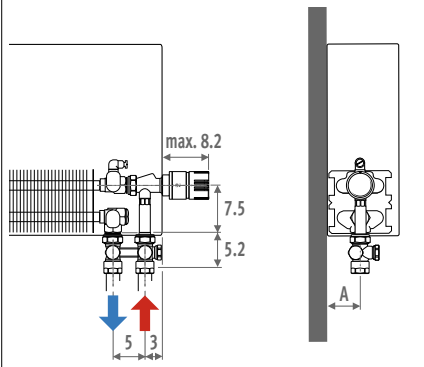
Kv max. 0.6

**TWO PIPE  
ONE PIPE**

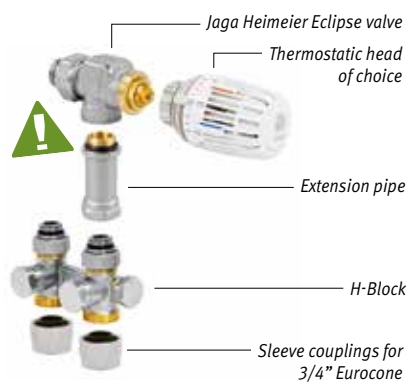
	TRV head	€
COLO.HBSF.JW.4...	JW	106
COLO.HBSF.JH.4...	JH	112
COLO.HBSF.AC.4...	AC	117
COLO.HBSF.AW.4...	AW	97
COLO.HBSF.AS.4...	AS	106

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



### TRV head at low level 3/4" Eurocone



set 164

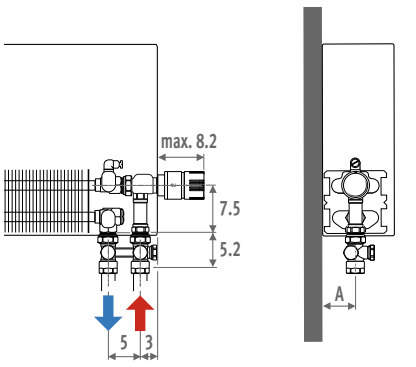
Automatic flow limiter 0.01 - 0.15

**TWO PIPE  
ONE PIPE**

	TRV head	€
COLO.HESF.JW.4...	JW	154
COLO.HESF.JH.4...	JH	161
COLO.HESF.AC.4...	AC	165
COLO.HESF.AW.4...	AW	147
COLO.HESF.AS.4...	AS	154

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



### TRV head at high level 3/4" Eurocone



set 118

Kv max. 0.6

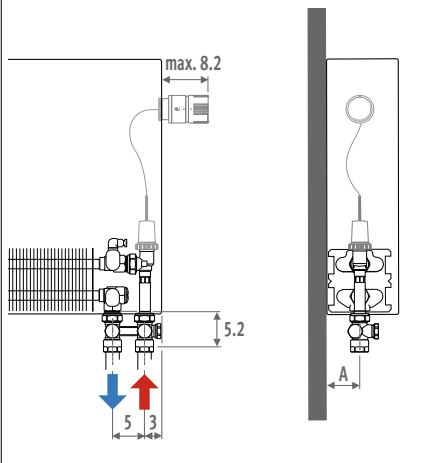
**TWO PIPE  
ONE PIPE**

	TRV head	€
COLO.VBSF.JW.4...	JW	227
COLO.VBSF.JH.4...	JH	234
COLO.VBSF.AC.4...	AC	240
COLO.VBSF.AW.4...	AW	219
COLO.VBSF.AS.4...	AS	227
COLO.VBSF.MA.4...	MA	193

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



## OVERVIEW CONTROLS



## SLEEVE COUPLINGS EUROCONE

### Ordering example

Complete ordering code with sleeve couplings according to the material used and Ø of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code

COLO. HBSF. JW. 4.    **112**

### Precision metal tube

CODE	Tube
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

### Synthetic or RPE/ALU tube

CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

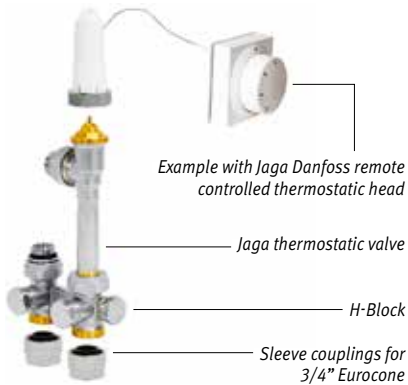
Tightening torque:  
see page 331



## VIA BOTTOM OF CASING

### Remote controlled

3/4" Eurocone



Example with Jaga Danfoss remote controlled thermostatic head

Jaga thermostatic valve

H-Block

Sleeve couplings for 3/4" Eurocone

set 114

Kv max. 0.6

**TWO PIPE ONE PIPE**

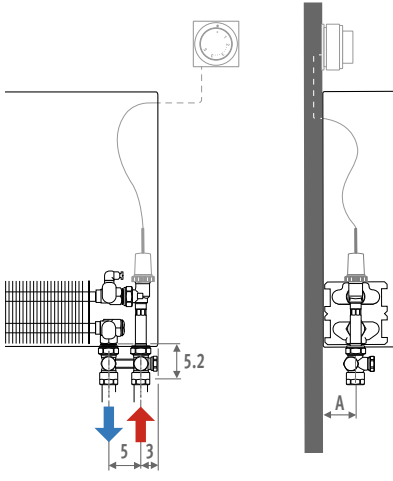
	TRV head	€
COLO.VBSF.RD.4...	RD	201
COLO.VBSF.RW.4...	RW	196
COLO.VBSF.24.4...	24 (24 VDC)	119
COLO.VBSF.23.4...	23 (230 VAC)	119

fill in sleeve coupling code

The radiator does not require an opening for the thermostatic head: please add /00 to end of radiator ordering code

Also suitable for installation in a wall recess.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



### With Jaga valve

3/4" Eurocone



Jaga thermostatic valve

Thermostatic head of choice

Straight lockshield

Sleeve couplings for 3/4" Eurocone

set 222

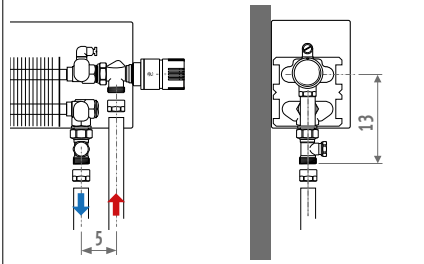
Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.JF2.JW.4...	JW	93
COLO.JF2.JH.4...	JH	98
COLO.JF2.AC.4...	AC	105
COLO.JF2.AW.4...	AW	86
COLO.JF2.AS.4...	AS	93

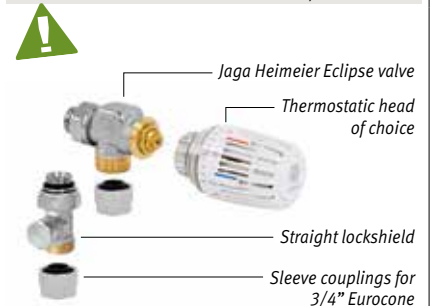
fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm.



### With Jaga Heimeier Eclipse valve

3/4" Eurocone



Jaga Heimeier Eclipse valve

Thermostatic head of choice

Straight lockshield

Sleeve couplings for 3/4" Eurocone

set 262

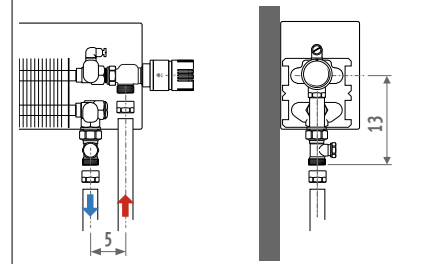
kv max.0.15

**TWO PIPE**

	TRV head	€
COLO.EF2.JW.4...	JW	116
COLO.EF2.JH.4...	JH	128
COLO.EF2.AC.4...	AC	134
COLO.EF2.AW.4...	AW	116
COLO.EF2.AS.4...	AS	122

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm.



#### SET 164 - 262 with JAGA HEIMEIER ECLIPSE VALVE

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently from the pressure difference. This means complicated calculations to determine settings are unnecessary.

Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm



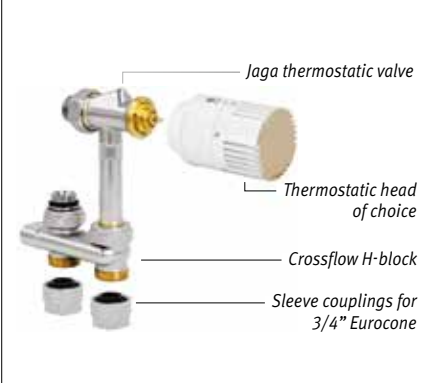
Dimensional drawing p. 330  
Adjusting one pipe p. 331  
Pressure drop p. 338

# ALL CONNECTION SETS LOW-H<sub>2</sub>O FLOOR CROSSFLOW

VIA BOTTOM OF CASING WITH JAGA CROSSFLOW H-BLOCK

FLOW ON THE INSIDE

## TRV head at low level 3/4" Eurocone

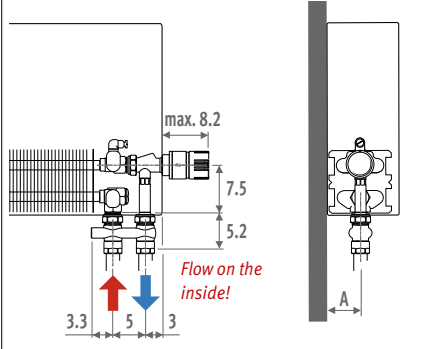


**set 102** Kv max. 0.6

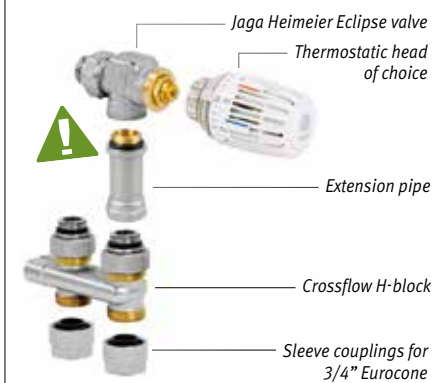
TWO PIPE	TRV head	€
COLO.HBCF.JW.4...	JW	106
COLO.HBCF.JH.4...	JH	112
COLO.HBCF.AC.4...	AC	117
COLO.HBCF.AW.4...	AW	97
COLO.HBCF.AS.4...	AS	106

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



## TRV head at low level 3/4" Eurocone

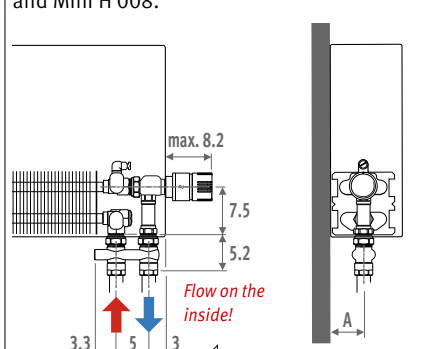


**set 162** Automatic flow limiter 0.01 - 0.15

TWO PIPE	TRV head	€
COLO.HECF.JW.4...	JW	154
COLO.HECF.JH.4...	JH	161
COLO.HECF.AC.4...	AC	165
COLO.HECF.AW.4...	AW	147
COLO.HECF.AS.4...	AS	154

fill in sleeve coupling code

Not suitable for Mini with fixed feet H 6.5 cm and Mini H 008.



## TRV head at high level 3/4" Eurocone

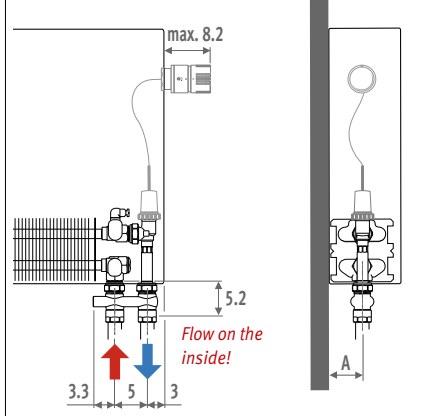


**set 116** Kv max. 0.6

TWO PIPE	TRV head	€
COLO.VBCF.JW.4...	JW	227
COLO.VBCF.JH.4...	JH	234
COLO.VBCF.AC.4...	AC	240
COLO.VBCF.AW.4...	AW	219
COLO.VBCF.AS.4...	AS	227
COLO.VBCF.MA.4...	MA	193

fill in sleeve coupling code

When ordering the high level valve set, please specify the correct position by adding /30 (left) or /60 (right) to the code of the radiator.  
Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



**JAGA HEIMEIER ECLIPSE VALVE**

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently of the pressure difference. This means complicated calculations to determine settings are unnecessary.



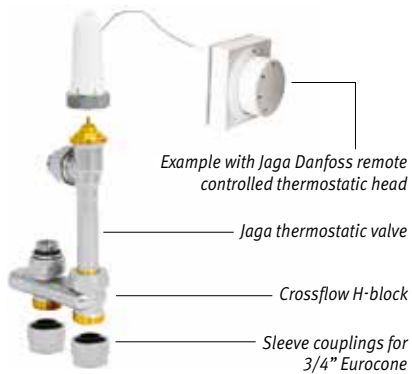
### SLEEVE COUPLINGS EUROCONE

Ordering example  
Complete ordering code with sleeve couplings according to the material used and ø of the tube. Included in the price of the connection sets.

connection set code	sleeve coupling code	Precision metal tube	Synthetic or RPE/ALU tube
COLO.HBCF.JW.4.	112	CODE Tube	CODE Tube CODE Tube
		112 12/1	612 12/2 615 15/2.5
		114 14/1	614 14/2 619 16/1.5
		115 15/1	616 16/2 620 20/2
		116 16/1	617 17/2
		118 18/1	618 18/2

Tightening torque: see page 331

## Remote controlled 3/4" Eurocone



set  
**112**

Kv max. 0.6

**TWO PIPE**

TRV head

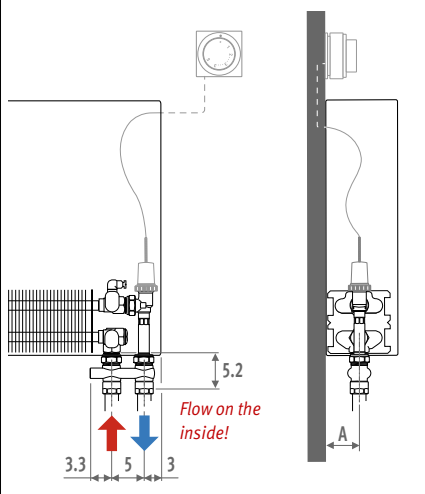
€

COLO.VBCF.RD.4...	<b>RD</b>	<b>201</b>
COLO.VBCF.RW.4...	<b>RW</b>	<b>196</b>
COLO.VBCF.24.4...	<b>24</b> (24 VDC)	<b>119</b>
COLO.VBCF.23.4...	<b>23</b> (230 VAC)	<b>119</b>

fill in sleeve coupling code

The radiator does not require an opening for the thermostatic head: please add **/00** to end of radiator ordering code also suitable for installation in a wall recess.

Not suitable for Mini with fixed feet H 6.5 cm and Mini H008-013



Type	A
05/06	4.0
09/10/11	5.5*
14/15/16	8.0*
19/20/21	10.5*

\* Mini + 1.5 cm

**i** Dimensional drawing p. 330  
Pressure drop p. 338

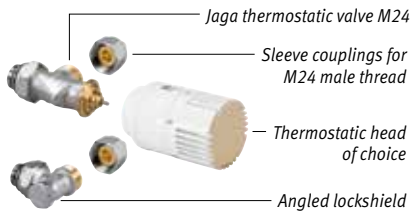
# ALL CONNECTION SETS M24

## CONNECTION TO THE WALL

## TWO PIPE

Within the casing,  
TRV head at low level

M24

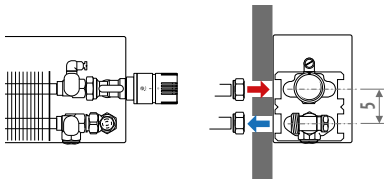


**set 25** Kv max. 0.6  
**TWO PIPE**

	TRV head	€
COLO.SW2.JW.3...	JW	77
COLO.SW2.JH.3...	JH	90
COLO.SW2.AC.3...	AC	94
COLO.SW2.AW.3...	AW	77
COLO.SW2.AS.3...	AS	88

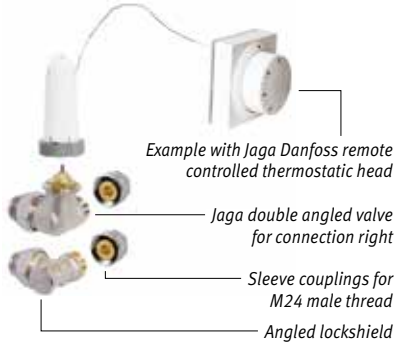
fill in sleeve coupling code

Suited for shorter distance to the wall up to 1.7 cm. Not suitable for Mini.



Within the casing,  
remote controlled

M24



Connection RIGHT

**set 28** Kv max. 0.6  
**TWO PIPE**

	TRV head	€
COLO.HWR.MA.3...	MA	85
COLO.HWR.RD.3...	RD	203
COLO.HWR.RW.3...	RW	198
COLO.HWR.24.3...	24 (24 VDC)	138
COLO.HWR.23.3...	23 (230 VAC)	138

fill in sleeve coupling code

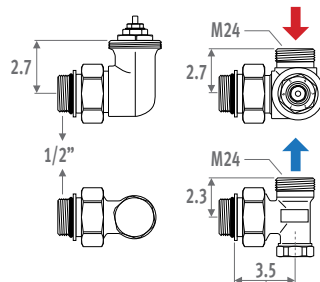
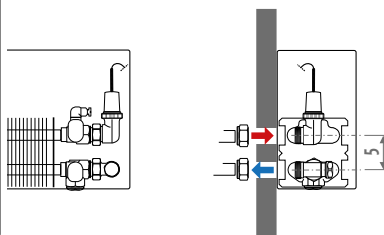
Connection LEFT

**set 29** Kv max. 0.6  
**TWO PIPE**

	TRV head	€
COLO.HWL.MA.3...	MA	85
COLO.HWL.RD.3...	RD	203
COLO.HWL.RW.3...	RW	198
COLO.HWL.24.3...	24 (24 VDC)	138
COLO.HWL.23.3...	23 (230 VAC)	138

fill in sleeve coupling code

Not suitable for Mini.



⚠ = Jaga + 0.5 cm

Via bottom of casing,  
TRV head at low level

M24



**set 11** Kv max. 0.6  
**TWO PIPE**

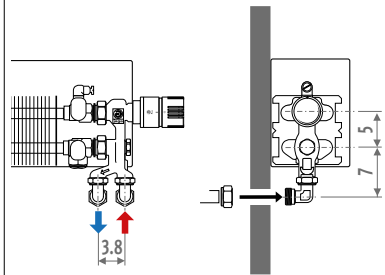
	TRV head	€
COLO.PW2.JW.3...	JW	112
COLO.PW2.JH.3...	JH	125
COLO.PW2.AC.3...	AC	131
COLO.PW2.AW.3...	AW	112
COLO.PW2.AS.3...	AS	122

**set 13** Kv max. 0.6  
**ONE PIPE**

	TRV head	€
COLO.PW1.JW.3...	JW	112
COLO.PW1.JH.3...	JH	125
COLO.PW1.AC.3...	AC	131
COLO.PW1.AW.3...	AW	112
COLO.PW1.AS.3...	AS	122

fill in sleeve coupling code

Not suitable for Mini H 008.



CONNECTION TO THE FLOOR

TWO PIPE

Via bottom of casing,  
TRV head at low level M24



set 12

Kv max. 0.6

**TWO PIPE**

	TRV head	€
COLO.PF2.JW.3...	JW	97
COLO.PF2.JH.3...	JH	112
COLO.PF2.AC.3...	AC	117
COLO.PF2.AW.3...	AW	97
COLO.PF2.AS.3...	AS	110

set 14

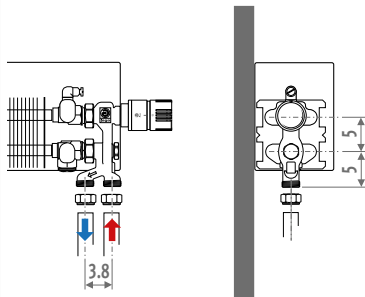
Kv max. 0.6

**ONE PIPE**

	TRV head	€
COLO.PF1.JW.3...	JW	97
COLO.PF1.JH.3...	JH	112
COLO.PF1.AC.3...	AC	117
COLO.PF1.AW.3...	AW	97
COLO.PF1.AS.3...	AS	110

fill in sleeve coupling code

Not suitable for Mini H 008.



OVERVIEW CONTROLS



SLEEVE COUPLINGS M24

Ordering example

Complete ordering code with sleeve couplings according to the material used and Ø of the tube. Included in the price of the connection sets.

connection set code      sleeve coupling code  
COLO. SW2. JW.3      **110**

Precision metal tube

CODE	Tube
110	10/1
112	12/1
114	14/1
115	15/1
116	16/1
118	18/1

Synthetic tube

CODE	Tube
212	12/2
214	14/2
219	16/1.5
216	16/2
217	17/2
218	18/2

RPE/ALU tube

CODE	Tube
314	14/2
316	16/2
326	16/2.2
318	18/2

Steel tube

CODE	Tube
501	M24 x 1/2"
503	M24 x 3/8"

Tightening torque:  
see page 331

# SEPERATE LOW-H<sub>2</sub>O VALVES

## JAGA H-VALVE

3/4" Eurocone

### TO THE WALL

Jaga H-valve      Jaga H-valve angled



CODE H-VALVE		€
5094.524	standard Kv	50
5094.544	reduced Kv	50

CODE H-VALVE ANGLED		€
5094.534	standard Kv	50
5094.554	reduced Kv	50

### TO THE FLOOR

Jaga H-valve      Jaga H-valve angled



CODE H-VALVE		€
5094.525	standard Kv	50
5094.545	reduced Kv	50

CODE H-VALVE ANGLED		€
5094.535	standard Kv	50
5094.555	reduced Kv	50

The Jaga angled H-valve is only suitable for use in combination with a sensor at distance, a remote controlled thermostatic head or with a manual head (central control)

- specially shortened thermostatic valve for connection to the wall
- connection 3/4" Eurocone male thread
- one pipe and two pipe
- with pre-setting in 6 steps
- with two integrated lockshields and lockable by-pass (Adjusting: see graph below right)
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site
- Not suitable for Strada type 06, Knockonwood type 06

Standard kv-value 2-Pipe:

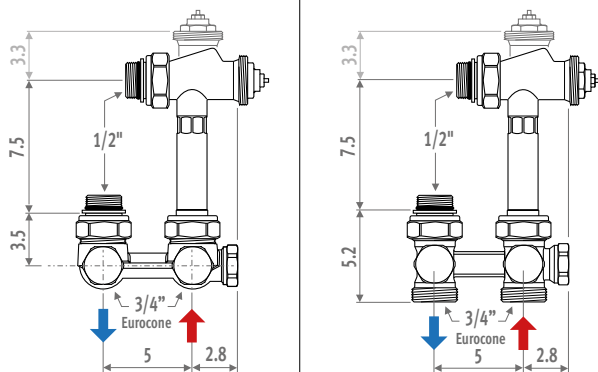
- 0.10 to 0.60 m<sup>3</sup>/h.

Reduced kv-value 2-Pipe:

- 0.045 to 0.32 m<sup>3</sup>/h.

One pipe: 25% to 100%

**Adjusting the H-block (one pipe - two pipe): see page 331**



## JAGA CROSSFLOW VALVE

3/4" Eurocone

### TO THE WALL

Jaga Crossflow      Jaga Crossflow angled



CODE CROSSFLOW		€
5094.522	standard Kv	50
5094.542	reduced Kv	50

CODE CROSSFLOW ANGLED		€
5094.532	standard Kv	50
5094.552	reduced Kv	50

### TO THE FLOOR

Jaga Crossflow      Jaga Crossflow angled



CODE. CROSSFLOW		€
5094.523	standard Kv	50
5094.543	reduced Kv	50

CODE CROSSFLOW ANGLED		€
5094.533	standard Kv	50
5094.553	reduced Kv	50

The Jaga Crossflow angled valve is only suitable for use in combination with a sensor at distance, a remote controlled thermostatic head or with a manual head (central control)

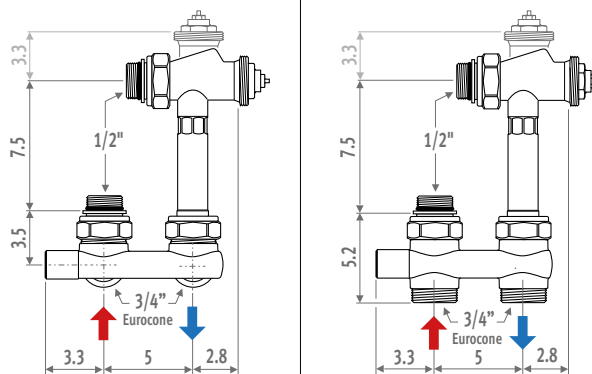
- specially shortened thermostatic valve for connection to the wall
- connection 3/4" Eurocone male thread
- two pipe
- with pre-setting in 6 steps
- completely lockable (flow and return)
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site
- not suitable for Strada type 06, Knockonwood type 06

Standard kv-value:

- 0.10 to 0.60 m<sup>3</sup>/h.

Reduced kv-value:

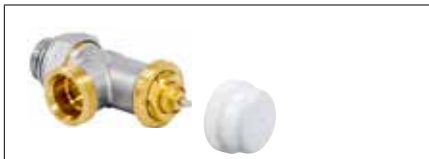
- 0.045 to 0.32 m<sup>3</sup>/h.



# 3/4" EUROCONE

## JAGA VALVE

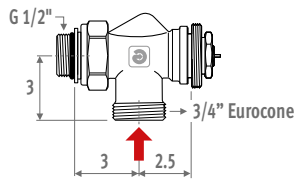
3/4" Eurocone



CODE		€
5090.4407	standard Kv	20
5090.4406	reduced Kv	20

- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 3/4" Eurocone male thread
- two pipe
- with pre-setting in 6 steps
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site

Standard Kv-value: 0.10 to 0.60 m<sup>3</sup>/h.  
Reduced Kv-value: 0.045 to 0.32 m<sup>3</sup>/h.  
(identification: red coloured spindle protection)



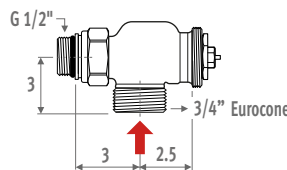
## JAGA HEIMEIER ECLIPSE VALVE

3/4" Eurocone

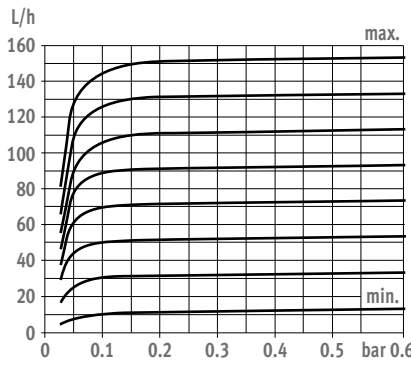


CODE		€
5090.5407		50

- integrated automatic flow limiter, independent of the differential pressure
- easy and quick flow sizing without complicated calculations
- continuously balancing TRV between 1 (10 l/h) and 15 (150 l/h)
- 100 % lockable
- with Keymark certification
- tested to DIN EN 215
- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 3/4" Eurocone male thread
- two pipe
- screw thread M30 x 1.5
- synthetic spindle protection for setting on site



### Setting



## Sleeve couplings for connection sets Eurocone 3/4"

### Max. tightening torque

Precision metal tube

- soft copper 45-55 Nm
- semi-hard copper 60-80 Nm
- mild steel 60-70 Nm

Synthetic 30-40 Nm

RPE/ALU 20-30 Nm

### PRECISION METAL TUBE



CODE	Description	€/p.
5094.2112	ø 3/4" x 12/1	5,50
5094.2114	ø 3/4" x 14/1	5,50
5094.2115	ø 3/4" x 15/1	5,50
5094.2116	ø 3/4" x 16/1	5,50
5094.2118	ø 3/4" x 18/1	5,50

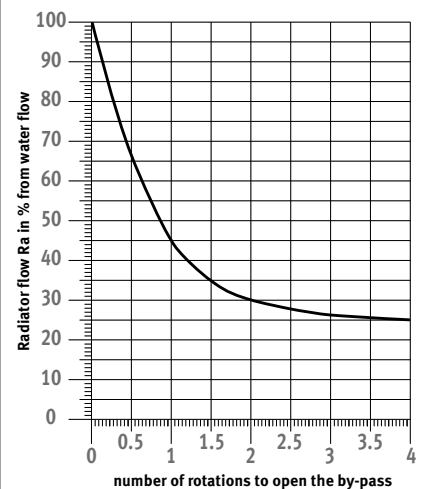
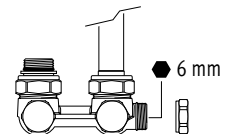
### SYNTHETIC OR RPE/ALU TUBE



CODE	Description	€/p.
5094.2612	ø 3/4" x 12/2	6,60
5094.2614	ø 3/4" x 14/2	6,60
5094.2616	ø 3/4" x 16/2	6,60
5094.2617	ø 3/4" x 17/2	5,60
5094.2618	ø 3/4" x 18/2	6,60
5094.2619	ø 3/4" x 16/1.5	6,60
5094.2620	ø 3/4" x 20/2	6,60

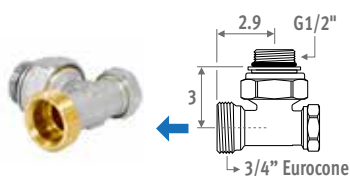
## Adjusting the H-block (one pipe - two pipe)

See page 152 and connection sets 103-104-113-114-117-118-163-164.



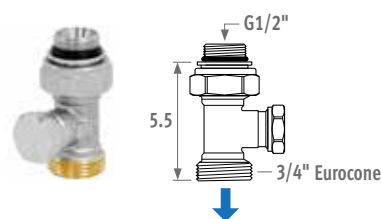
## LOCKSHIELDS 3/4" EUROCONE

### Connection to the wall 90°



CODE		€
5090.4111	nickle-plated	12,40

### Connection to the floor 180°



CODE		€
5094.4431	nickle-plated	17,40

# SEPERATE LOW-H<sub>2</sub>O VALVES

## JAGA VALVE

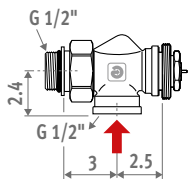
1/2" female thread



CODE		€
5090.405	standard Kv	20
5090.404	reduced Kv	20

- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 1/2" female thread
- two pipe
- with pre-setting in 6 steps
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site

Standard Kv-value: 0.10 to 0.60 m<sup>3</sup>/h.  
Reduced Kv-value: 0.045 to 0.32 m<sup>3</sup>/h.  
(identification: red coloured spindle protection)



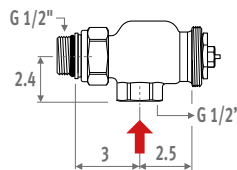
## JAGA HEIMEIER ECLIPSE VALVE

1/2" female thread

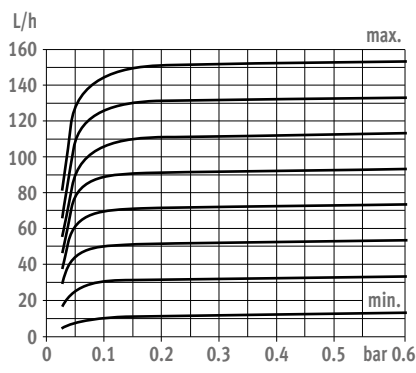


CODE	€
5090.5405	50

- integrated automatic flow limiter, independent of the differential pressure
- easy and quick flow sizing without complicated calculations
- continuously balancing TRV between 1 (10 l/h) and 15 (150 l/h)
- 100 % lockable
- with Keymark certification
- tested to DIN EN 215
- specially shortened thermostatic valve in order to be fully concealed within the casing
- for connection to the wall or to the floor
- connection 1/2" female thread
- two pipe
- screw thread M30 x 1.5
- synthetic spindle protection for setting on site

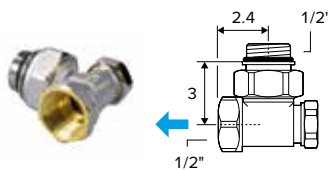


### Setting



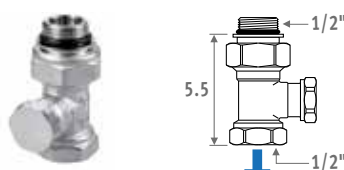
## JAGA LOCKSHIELDS 1/2"

### Connection to the wall 90°



CODE		€
5090.110	nickle-plated	12,40

### Connection to the floor 180°



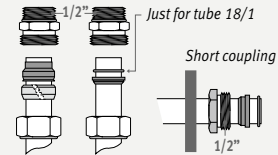
CODE		€
5090.109	nickle-plated	12,40

## Sleeve couplings 1/2"

### Max. tightening torque

- Precision metal tube
- soft copper 45-55 Nm
- semi-hard copper 60-80 Nm
- mild steel 60-70 Nm
- Synthetic 30-40 Nm
- RPE/ALU 20-30 Nm

### PRECISION METAL TUBE



CODE	Description	€/p.
5098.110	ø 1/2" x 10/1	5,90
5098.112	ø 1/2" x 12/1	5,90
5098.114	ø 1/2" x 14/1	5,90
5098.115	ø 1/2" x 15/1	5,90
5098.116	ø 1/2" x 16/1	5,90
5098.118	ø 1/2" x 18/1	5,90

### Short coupling

5098.015	ø 1/2" x 15/1	2,80
----------	---------------	------

### SYNTHETIC TUBE



CODE	Description	€/p.
5098.212	ø 1/2" x 12/2	7,20
5098.214	ø 1/2" x 14/2	7,20
5098.219	ø 1/2" x 16/1.5	7,20
5098.216	ø 1/2" x 16/2	7,20
5098.217	ø 1/2" x 17/2	7,20
5098.218	ø 1/2" x 18/2	7,20

### RPE/ALU TUBE



CODE	Description	€/p.
5098.314	ø 1/2" x 14/2	7,90
5098.316	ø 1/2" x 16/2	7,90
5098.326	ø 1/2" x 16/2.2	7,90
5098.318	ø 1/2" x 18/2	7,90

### STEEL TUBE



CODE	Description	€/p.
5094.502	ø 1/2" x 1/2"	9,30
5094.504	ø 1/2" x 3/8"	9,30



# 1/2" FEMALE THREAD

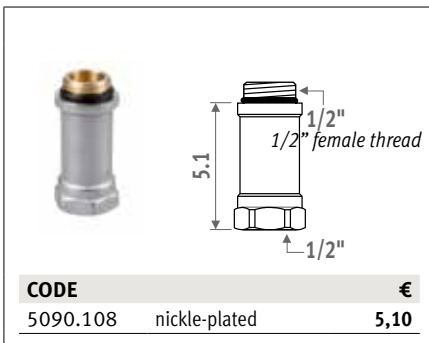
## Extended air vent 1/8"

- standard delivered with
  - Strada
  - Knockonwood
  - devices with Twin heat exchanger
- optionally applicable for
  - standard heat exchanger type 10/15/20
- not possible for
  - Mini
  - Play



CODE	Height casing		€
5090.114078	Linea Plus	020	8,20
5090.114178		035	8,90
5090.114378		050	9,70
5090.114528		065	10,20
5090.114728		090	11,30
5090.114078	Tempo	020	8,20
5090.114178	Installation	030	8,90
5090.114278	into a wall	040	9,40
	recess		
5090.114378		050	9,70
5090.114378		060	9,70
5090.114528		070	10,20
5090.114728		090	11,30

## EXTENSION PIPE



CODE		€
5090.108	nickle-plated	5,10

# LOW-H<sub>2</sub>O VALVES

## JAGA PRO VALVE

M24 male thread

### Jaga Pro



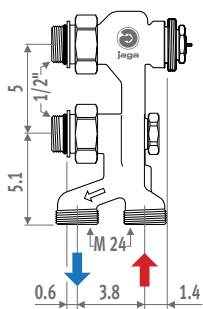
CODE	JAGA PRO	€
5094.4414	two pipe	54
5094.4409	one pipe	54
5094.413	two pipe - reduced Kv	54

specially shortened thermostatic valve in order to be fully concealed within the casing

- connection M24 male thread
- for one or two pipe
- with pre-setting in 6 steps
- completely lockable (flow and return)
- with screw thread M30 x 1.5 (Heimeier compatible)
- with synthetic spindle protection for setting on site

KV-value:

- two pipe: Standard Kv-value: 0.03 to 0.60 m<sup>3</sup>/h
- Reduced Kv-value: 0.045 to 0.2 m<sup>3</sup>/h (identification: red coloured spindle protection)
- one pipe: 50% to 0%



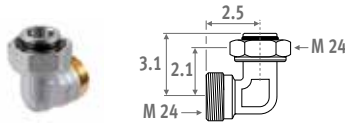
The valve extends to 2 cm below the casing



Regulator screw (hex screw 5 mm).  
Regulation: see pressure drop graph

Recognition one pipe valve

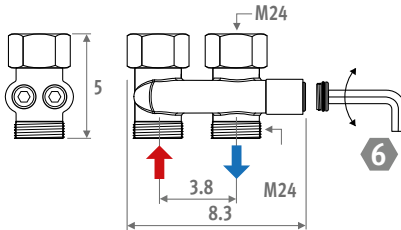
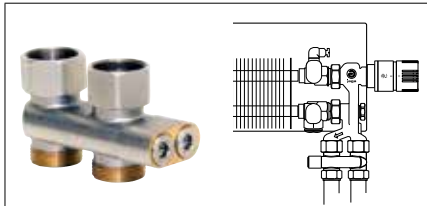
### Angle 90° M24 x M24



CODE	€
5095.020 nickle-plated	6,60

Angle for connection to the wall.

### Reversal piece with lockshields for Jaga Pro valves



CODE	€
5094.520 nickle-plated	36

Adaptor for renovation to switch flow and return of all Jaga Pro valves.  
For use with sleeve couplings M24.

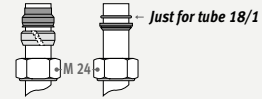
# M24 MALE THREAD

### Sleeve couplings M24

#### Max. tightening torque

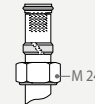
- Precision metal tube
- soft copper 45-55 Nm
  - semi-hard copper 60-80 Nm
  - mild steel 60-70 Nm
- Synthetic 30-40 Nm  
RPE/ALU 20-30 Nm

### PRECISION METAL TUBE



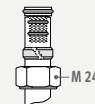
CODE	Description	€/p.
5094.110	∅ M24 x 10/1	3,20
5094.112	∅ M24 x 12/1	3,20
5094.114	∅ M24 x 14/1	3,20
5094.115	∅ M24 x 15/1	3,20
5094.116	∅ M24 x 16/1	3,20
5094.118	∅ M24 x 18/1	3,20

### SYNTHETIC TUBE



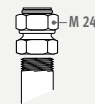
CODE	Description	€/p.
5094.212	∅ M24 x 12/2	4,10
5094.214	∅ M24 x 14/2	4,10
5094.219	∅ M24 x 16/1.5	4,10
5094.216	∅ M24 x 16/2	4,10
5094.217	∅ M24 x 17/2	4,10
5094.218	∅ M24 x 18/2	4,10

### RPE/ALU TUBE



CODE	Description	€/p.
5094.314	∅ M24 x 14/2	4,70
5094.316	∅ M24 x 16/2	4,70
5094.326	∅ M24 x 16/2.2	4,70
5094.318	∅ M24 x 18/2	4,70

### STEEL TUBE



CODE	Description	€/p.
5094.501	∅ M24 x 1/2"	6,40
5094.503	∅ M24 x 3/8"	6,40

## WHY A JAGA HEIMEIER ECLIPSE VALVE WITH AUTOMATIC FLOW LIMITER?

The Jaga Heimeier Eclipse valve features a unique integrated flow regulator that prevents excess flow. The desired flow rate is very easy to set for each radiator. This flow rate is never exceeded, even when the flow rate is excessive because other valves are closed. The Jaga Heimeier Eclipse valve automatically controls the flow independently of the pressure difference. This means complicated calculations to determine settings are unnecessary.

### ADVANTAGES

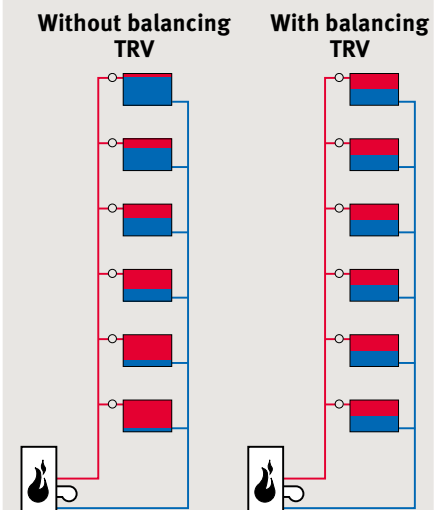
- Automatic flow limiter through integrated continuously flow regulator for reliable and even temperature control
- Maintains almost noiseless the correct flow rate
- Accurate regulation, even under partial load
- Optimally for renovation through standardized dimensions, interchangeable with the standard Jaga valves
- Continuously balancing TRV between 1 (10 l/h) and 15 (150 l/h)
- For pressure differences up to 60 kPa
- DIN EN 215 tested and certificated

## WHY A BALANCING THERMOSTATIC RADIATOR VALVE?

Due to the application of the specially designed Jaga and Jaga Danfoss pre-settable TRVs, the flow rate of the water (Kv) in the heating elements can be adjusted exactly to ensure optimal performance of the TRVs.

When all TRVs are fully opened, the balancing control allows the remotest heating elements to get the necessary flow of hot water. The water flow temperature can be set back earlier because all of the heating elements heat up in a uniform manner thereby minimising energy loss.

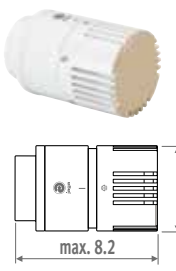
Noise from flowing water will also be reduced thanks to the balancing flow control. The optimal water distribution may allow a smaller water circulation pump to be installed.



*The water distribution to the heating elements after the night low demand period when all TRVs are fully open. The system on the right has balanced TRVs fitted, the one on the left does not.*

# THERMOSTATIC HEADS

## JAGA THERMOSTATIC HEAD



white RAL 9016

max. 8.2  
ø 4.8

CODE		€
5090.1125	white RAL 9016	42
5090.1126	black RAL 9005	40

- anti-freeze protection 6°C.
- min. and max. temperature control (5-26°C) by ring-system.
- screw connection M30 x 1.5
- max water flow temperature 110°C

### Theft protection




white RAL 9016

CODE		€
5090.1118	white RAL 9016	12,50

Theft protection for Jaga thermostatic heads (see above). Setting the temperature remains possible.  
Only available in white RAL 9016.  
Not applicable with Knockonwood and Strada in combination with a Jaga Pro valve.

## JAGA MANUAL HEAD




white RAL 9010

max. 3.8  
ø 3.7

CODE		€
5090.110103	white RAL 9010	5,40

## JAGA DECO THERMOSTATIC HEAD



Jaga chrome

Jaga silver

Jaga black  
Available from 11/2021

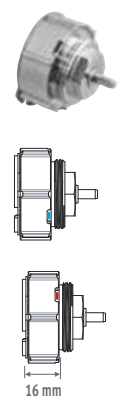
Jaga white RAL 9016

max. 8.6  
ø 3.8

CODE		€
5090.1151	chrome	52
5090.1152	silver	42
5090.1153	black	42
5090.1150	white RAL 9016	35

- liquid filled
- anti-freeze protection 7°C and adjustable from 10 up to 28°C (Jaga Comap: 6 up to 30°C)
- Jaga Comap: max. temperature control by ring-system
- screw connection M30 x 1.5
- max. watertemperature 110°C

## JAGA ADAPTOR FOR THERMOSTATIC HEADS IN HYBRID INSTALLATIONS



PATENT PENDING


Valve locked - open for cooling

Valve operated thermostatic by TRV head


16 mm

CODE		€
5090.1114		28

Adaptor for converting thermostatic valves with a thermostatic head, to prevent the cold water supply from being cut off by the thermostatic head in summer.



## JAGA HEIMEIER THERMOSTATIC HEAD HEATING AND COOLING




white RAL 9016

max. 9.3  
ø 5.3

CODE		€
5090.1161	white RAL 9016	88

- VT-score: 0.20
- hysteresis EN215: 0.15 K
- water temperature influence EN215: 0.35 K
- liquid filled
- heating adjustable from 6 to 28°C + cooling
- anti-freeze protection 6°C
- min. and max. temperature control by economy clips
- screw connection M30 x 1.5
- max. water temperature 120°C
- TELL-score Thermostatic Efficiency Labelling) A

## JAGA HEIMEIER THERMOSTATIC HEAD

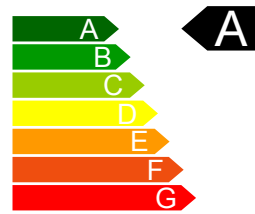


white RAL 9016

max. 9.3  
ø 5.3

CODE		€
5090.1160	white RAL 9016	47

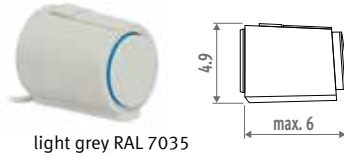
- VT-score: 0.20
- hysteresis EN215: 0.15 K
- water temperature influence EN215: 0.35 K
- liquid filled
- adjustable from 6 to 28°C
- anti-freeze protection 6°C
- min. and max. temperature control by economy clips
- screw connection M30 x 1.5
- max. water temperature 120°C
- TELL-score (Thermostatic Efficiency Labelling)



# THERMOSTATIC HEADS

## THERMOELECTRIC DRIVE

24 VDC / 230 VAC\*



CODE		€
8727.0202	24 VDC	44
7990.4091	230 VAC*	44

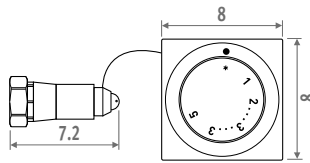
\* 230 VAC: in case of floor recessed installation, only mount on the distributor, never in the duct!

- screw connection M30 x 1.5, with snap fastening, suitable for all Jaga valves
- with varistor to protect against power surges
- with position indicator (open / closed)
- cable length: 1 m
- max. water temperature: 100°C
- insulation class: IP 54 / III
- CE as per EN 60730



*In case of installation in a wall recess, all Jaga valves can be used in combination with a thermoelectric drive.*

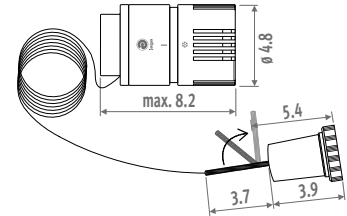
## JAGA DANFOSS REMOTE CONTROLLED HEAD



CODE		€
5090.1071	white RAL 9010	122

- remote controlled Trv head for heating elements installed in places with difficult access
- length of capillary: 2 m
- conducting capillary: min. 23 mm
- remote sensor, wire and the control knob are all liquid filled
- anti-freeze protection 7.5°C
- both the min. and max. temperature can be limited (6-28°C).
- max water flow temperature 120°C

## JAGA REMOTE CONTROLLED HEAD



CODE		€
5090.1107	white RAL 9016	117

- remote controlled Trv head for heating elements installed in places with difficult access.
- length of capillary: 2 m.
- minimal interior diameter of the tube for conducting the capillary: 18 mm.
- liquid filled
- anti-freeze protection 6°C and adjustable from 5 up to 26°C
- screw connection M30 x 1.5
- max water flow temperature 110°C

**Attention:** these remote controlled heads can only be used with the delivered 2 meter long capillary.

# PRESSURE DROP

**JAGA CROSSFLOW, JAGA H, JAGA, JAGA DOUBLE ANGLED, JAGA HIGH LEVEL VALVE**  
 SET 25, 28, 29, 101, 102, 103, 104, 111, 112, 113, 114, 115, 116, 117, 118, 222, 225, 271, 272, 273

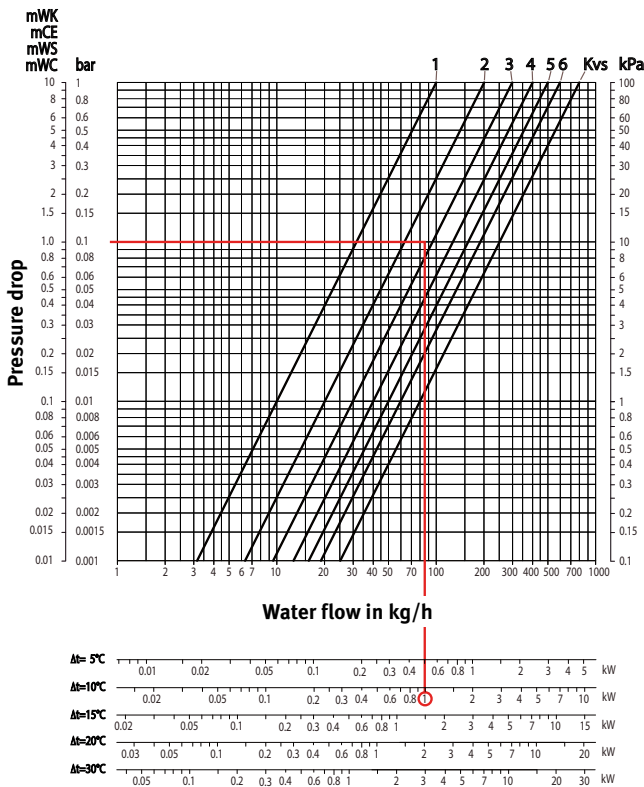
**JAGA CROSSFLOW, JAGA H, JAGA 3/4" EC, JAGA 1/2", JAGA HIGH LEVEL VALVE**

## TWO PIPE - STANDARD KV




Pre-setting	1	2	3	4	5	6	KvS
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	0.1	0.2	0.3	0.4	0.5	0.6	0.8
2-pipe							

*Example:* Heat exchanger 1 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the system)  
 Pre-setting = 3

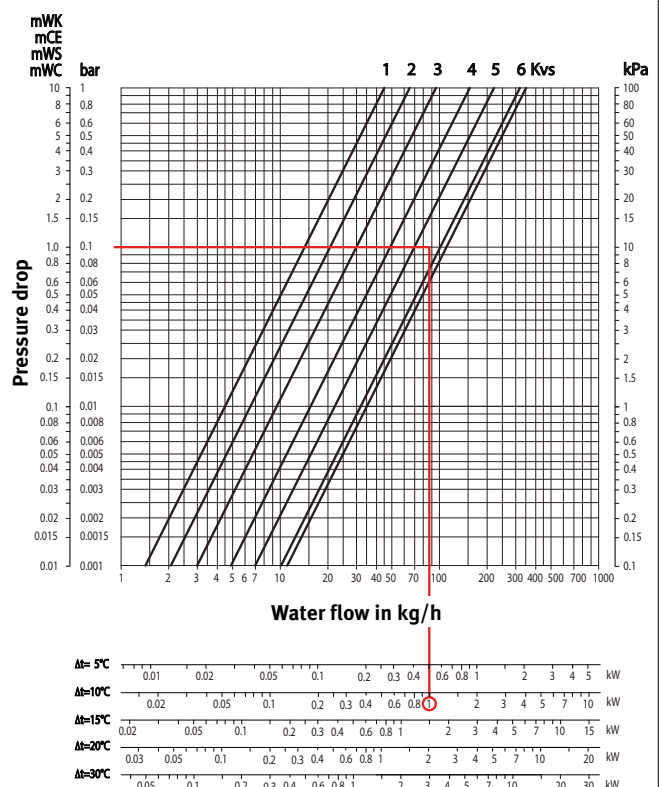


## TWO PIPE - REDUCED KV



Pre-setting	1	2	3	4	5	6	KvS
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	0.045	0.065	0.095	0.155	0.220	0.320	0.350
2-pipe							

*Example:* Heat exchanger 1 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the valve)  
 Pre-setting = 6



# PRESSURE DROP

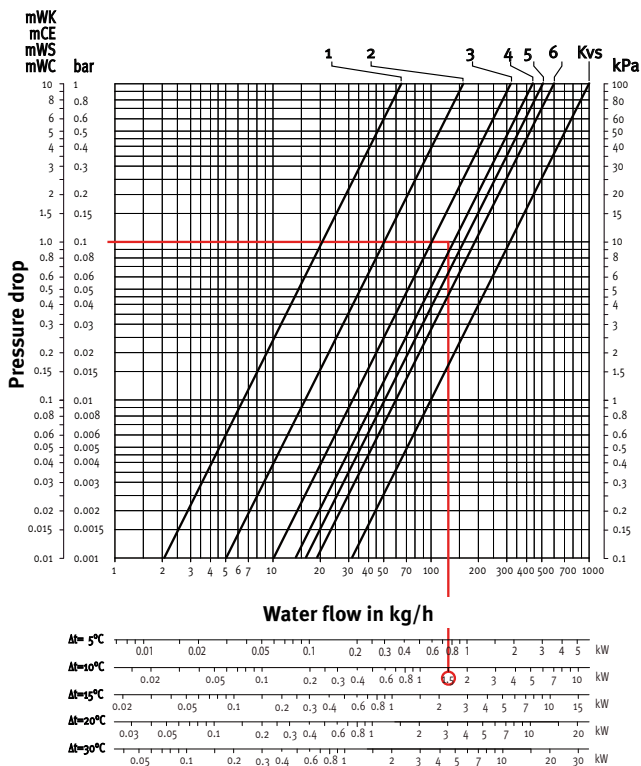
## JAGA PRO VALVE SET 11, 12

### TWO PIPE



Pre-setting	1	2	3	4	5	6	KVS
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	0.07	0.16	0.32	0.44	0.51	0.60	1

Example: Heat exchanger 1 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the valve)  
 Pre-setting = 4



#### Technical data

- max. water temperature: 120°C
- max. pressure of the system: 10 bar
- max. pressure drop 0.6 bar complying to the noise standard ISO 3743

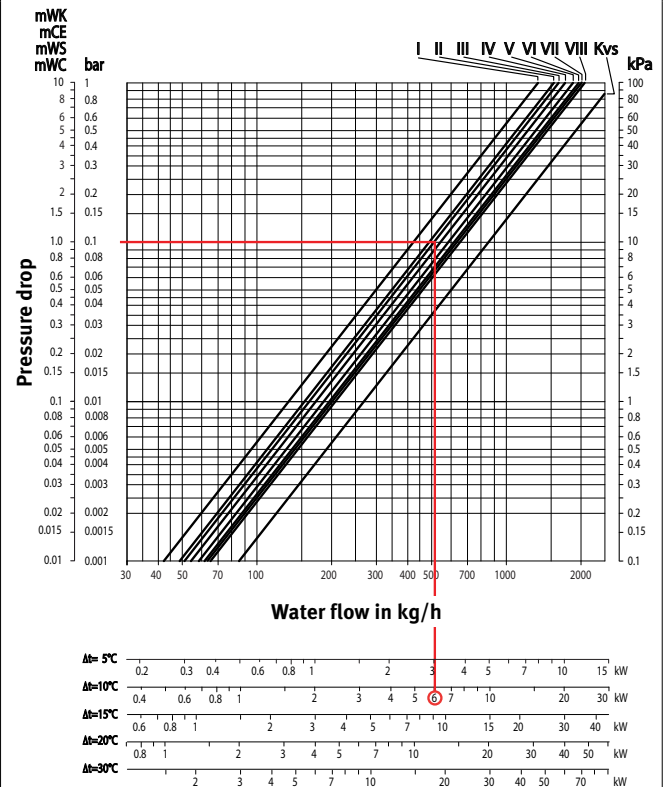
## JAGA PRO VALVE SET 13, 14

### ONE PIPE



Regulation	I	II	III	IV	V	VI	VII	VIII	KVS
Precision adjustment	closed	¼	1	1½	2	3	4	open	open
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t = 2K)	1.34	1.55	1.62	1.72	1.85	1.95	2.00	2.06	2.68
Radiator flow %	0	13.4	17.3	21.9	27.4	31.3	32.8	35.1	50

Example: 4 Heat exchangers 1.5 kW = 6 kW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the valve)  
 Pre-setting = 3



#### Technical data

- max. water temperature: 120°C
- max. pressure of the system: 10 bar
- max. pressure drop 0.6 bar complying to the noise standard ISO 3743

# CONNECTION SETS & VALVES

## MOST USED CONNECTION SETS M24

- To the wall 342
- To the floor 344

## SEPERATE DECO VALVES M 24 346

## THERMOSTATIC HEADS 348

## PRESSURE DROP 350

To make it even easier for you, Jaga offers you complete connection sets. With one code you can order a complete valve set, including thermostat head and sleeve couplingsgt. All Jaga valve sets are fully lockable and have a preset settingl.





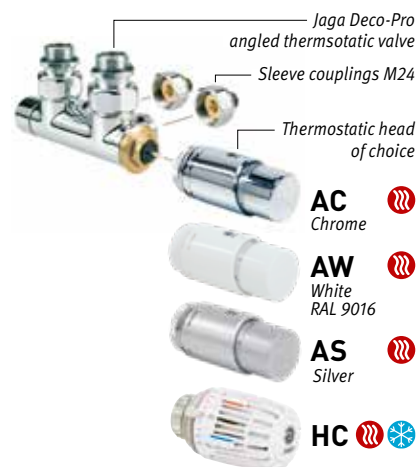


CONNECTION SETS & VALVES

## CONNECTION TO THE WALL JAGA DECO PRO

Thermostatic head left or right

### Chrome-plated set



Two pipe: Kv 0.29-1.65  
One pipe: Kv 1.50-2.20

set 41	TRV head	€
CODE.PW3.AC.1...	AC	143
CODE.PW3.AW.1...	AW	126
CODE.PW3.AS.1...	AS	134
CODE.PW3.HC.1...	HC	180

### Set in brushed stainless steel effect (SS)



### Set in anodized aluminium effect (ALU)



Two pipe: Kv 0.29-1.65  
One pipe: Kv 1.50-2.20

set 48	Finish	€
CODE.PW3.PS.1...	SS	300
CODE.PW3.PA.1...	ALU	300

fill in sleeve coupling code

## CONNECTION TO THE WALL JAGA DECO

### Angled



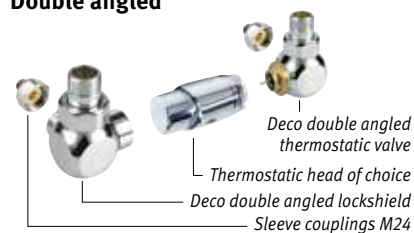
set 33	Kv 0.30-2.50	TWO PIPE	TRV head	€
CODE.JW2.AC.1...	AC			211
CODE.JW2.AW.1...	AW			195
CODE.JW2.AS.1...	AS			201

set 36	Reduced Kv 0.10-0.84*	TWO PIPE	TRV head	€
CODE.RW2.AC.1...	AC			211
CODE.RW2.AW.1...	AW			195
CODE.RW2.AS.1...	AS			201

fill in sleeve coupling code

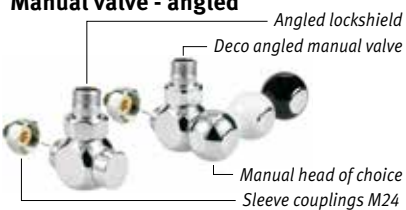
\* Reduced Kv is not suitable for Iguana

### Double angled



set 35	Kv 0.30-2.50	TWO PIPE	TRV head	€
CODE.JH2.AC.1...	AC			211
CODE.JH2.AW.1...	AW			195
CODE.JH2.AS.1...	AS			201

### Manual valve - angled



set 31	TWO PIPE	Manual head	€
CODE.MW2.MC.1...	chrome		151
CODE.MW2.MW.1...	white		151
CODE.MW2.MB.1...	black		151

fill in sleeve coupling code

## SINGLE POINT VALVES

FOR SANI AND  
PANEL PLUS HORIZONTAL

**AC**  
Chrome

**AW**  
White RAL 9016

**AS**  
Silver

Thermostatic head of choice

Angled thermostatic valve for single point connection

Sleeve couplings M24

**Two pipe: Kv 0.28-1.15**  
**One pipe: Kv 1.10-2.10**

set 81	TRV head	€
CODE.OW2.AC.1...	AC	211
CODE.OW2.AW.1...	AW	195
CODE.OW2.AS.1...	AS	201

fill in sleeve coupling code

## SLEEVE COUPLINGS

### Ordering example

Complete ordering code with sleeve couplings according to the material used and  $\varnothing$  of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
CODE. PW2. AC. 1. **110**

#### PRECISION METAL TUBE

Code	Tube $\varnothing$
110	10/1
112	12/1
114	14/1
115	15/1
118	18/1

#### SYNTHETIC TUBE

Code	Tube $\varnothing$
212	12/2
219	16/1.5
216	16/2
217	17/2
218	18/2

#### RPE/ALU TUBE

Code	Tube $\varnothing$
314	14/2
316	16/2
326	16/2.2
318	18/2

#### STEEL TUBE

Code	Tube $\varnothing$
501	M24 x 1/2"
503	M24 x 3/8"

## MAX. TIGHTENING TORQUE SLEEVE COUPLINGS

Precision metal tube

- soft copper 45-55 Nm
- semi-hard copper 60-80 Nm
- mild steel 60-70 Nm

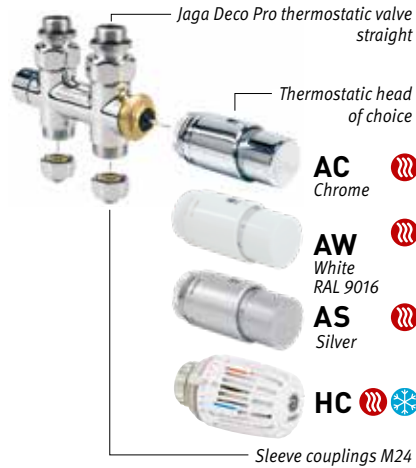
Synthetic 30-40 Nm

RPE/ALU 20-30 Nm

## CONNECTION TO THE FLOOR JAGA DECO PRO

Thermostatic head left or right.

### Chrome-plated set



**AC**   
Chrome

**AW**   
White  
RAL 9016

**AS**   
Silver

**HC**   


Two pipe: Kv 0.29-1.65

One pipe: Kv 1.50-2.20

set  
42

	TRV head	€
CODE.PF3.AC.1...	AC	143
CODE.PF3.AW.1...	AW	126
CODE.PF3.AS.1...	AS	134
CODE.PF3.HC.1...	HC	180

### Set in brushed stainless steel effect (SS)



### Set in anodized aluminium effect (ALU)



Two pipe: Kv 0.29-1.65

One pipe: Kv 1.50-2.20

set  
49

	Finish	€
CODE.PF3.PS.1...	SS	300
CODE.PF3.PA.1...	ALU	300

fill in sleeve coupling code

## CONNECTION TO THE FLOOR JAGA DECO

### Straight



set  
34

Kv 0.30-2.50

	TWO PIPE	TRV head	€
CODE.JF2.AC.1...		AC	211
CODE.JF2.AW.1...		AW	195
CODE.JF2.AS.1...		AS	201

set  
37

Reduced Kv 0.10-0.84\*

		TRV head	€
CODE.RF2.AC.1...		AC	211
CODE.RF2.AW.1...		AW	195
CODE.RF2.AS.1...		AS	201

fill in sleeve coupling code

\* Reduced Kv is not suitable for Iguana

### Straight manual



set  
32

	TWO PIPE	Manual head	€
CODE.MF2.MC.1...		chrome	151
CODE.MF2.MW.1...		white	151
CODE.MF2.MB.1...		black	151

fill in sleeve coupling code

**SINGLE POINT VALVES**

FOR SANI AND  
PANEL PLUS HORIZONTAL

**AC**  
Chrome

**AW**  
White RAL 9016

**AS**  
Silver

Thermostatic head of choice

Straight thermostatic valve for single point connection

Sleeve couplings M24

Two pipe: Kv 0.28-1.15  
One pipe: Kv 1.10-2.10

set 82	TRV head	€
CODE.OF2.AC.1...	AC	211
CODE.OF2.AW.1...	AW	195
CODE.OF2.AS.1...	AS	201

fill in sleeve coupling code

**SLEEVE COUPLINGS**

**Ordering example**

Complete ordering code with sleeve couplings according to the material used and ø of the tube. Included in the price of the connection sets.

connection set code    sleeve coupling code  
CODE.PW2.AC.1. **110**

PRECISION METAL TUBE		SYNTHETIC TUBE	
Code	Tube Ø	Code	Tube Ø
110	10/1	212	12/2
112	12/1	219	16/1.5
114	14/1	216	16/2
115	15/1	217	17/2
118	18/1	218	18/2

RPE/ALU TUBE		STEEL TUBE	
Code	Tube Ø	Code	Tube Ø
314	14/2	501	M24 x 1/2"
316	16/2	503	M24 x 3/8"
326	16/2.2		
318	18/2		

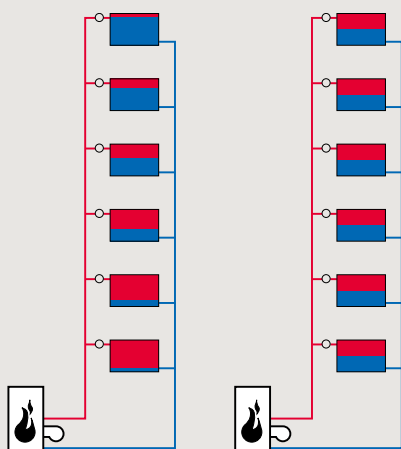
# WHY A BALANCING THERMOSTATIC RADIATOR VALVE?

Due to the application of the specially designed Jaga and Jaga Danfoss pre-settable TRVs, the flow rate of the water (Kv) in the heating elements can be adjusted exactly to ensure optimal performance of the TRVs.

When all TRVs are fully opened, the balancing control allows the remotest heating elements to get the necessary flow of hot water. The water flow temperature can be set back earlier because all of the heating elements heat up in a uniform manner thereby minimising energy loss.

Noise from flowing water will also be reduced thanks to the balancing flow control. The optimal water distribution may allow a smaller water circulation pump to be installed.

**Without balancing TRV**      **With balancing TRV**



The water distribution to the heating elements after the night low demand period when all TRVs are fully open. The system on the right has balanced TRVs fitted, the one on the left does not.

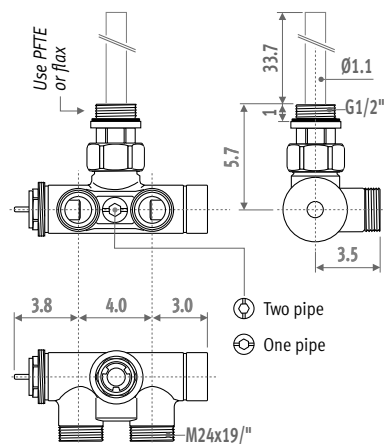
## DECO VALVES - M24

### JAGA DECO ANGLED SINGLE POINT CONNECTION



CODE		€
5094.428	chrome	141

- for connection to the wall
- for one or two pipe
- thermostatic head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site.
- balancing:
  - Kv 0.28 - 1.15 m<sup>3</sup>/h (2-pipe)
  - Kv 1.10 - 2.10 m<sup>3</sup>/h (1-pipe)

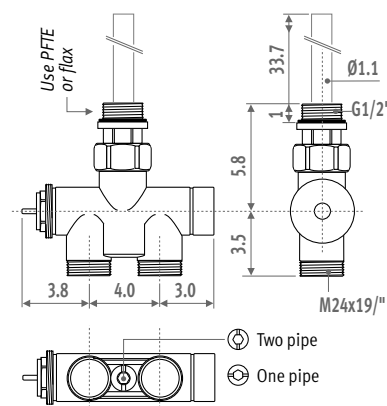


### JAGA DECO STRAIGHT SINGLE POINT CONNECTION



CODE		€
5094.426	chrome	141

- for connection to the floor
- for one or two pipe
- thermostatic head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site.
- balancing:
  - Kv 0.28 - 1.15 m<sup>3</sup>/h (2-pipe)
  - Kv 1.10 - 2.10 m<sup>3</sup>/h (1-pipe)



### DECO THERMOSTATIC HEAD



CODE		€
5090.1150	white RAL 9016	35
5090.1151	chrome	52
5090.1152	silver	42

- liquid filled anti-freeze protection 7°C and regulable from 10 to 28°C
- screw connection M30 x 1.5
- max. water temperature 110°C

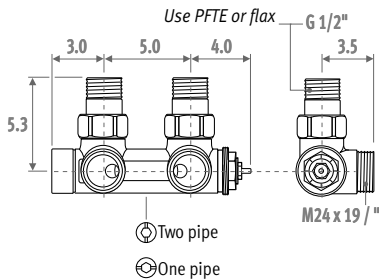
## JAGA DECO PRO ANGLED

For all radiators with connection MM, LL or RR



CODE		€
5094.427	chrome	67
5094.432	anodized alu. effect	192
5094.433	brushed SS effect	192

- for connection to the wall
- for one or two pipe
- TRV head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site
- balancing:
  - Kv 0.29 - 1.65 m<sup>3</sup>/h (2-pipe)
  - Kv 1.50 - 2.20 m<sup>3</sup>/h (1-pipe)



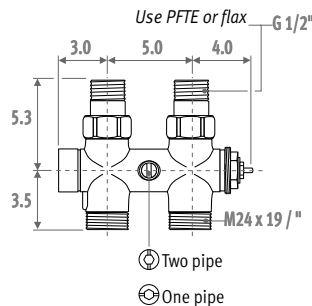
## JAGA DECO PRO STRAIGHT

For all radiators with connection MM, LL or RR



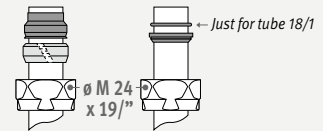
CODE		€
5094.425	chrome	67
5094.434	anodized alu. effect	192
5094.435	brushed SS effect	192

- connection to the floor
- for one or two pipe
- TRV head can be placed left or right
- flow left or right, independent from the position of the thermostatic head
- with synthetic spindle protection for setting on site
- balancing:
  - Kv 0.29 - 1.65 m<sup>3</sup>/h (2-pipe)
  - Kv 1.50 - 2.20 m<sup>3</sup>/h (1-pipe)



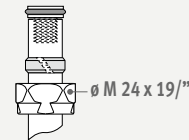
## Chrome-plated sleeve couplings for Jaga Deco and Jaga Deco Pro

### PRECISION METAL TUBE



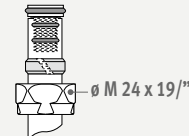
CODE	Description	Alu. SS.	
		chrome €/p.	€/p.
5094.1110	Ø M24 x 10/1	4,50	8,70
5094.1112	Ø M24 x 12/1	4,50	8,70
5094.1114	Ø M24 x 14/1	4,50	8,70
5094.1115	Ø M24 x 15/1	4,50	8,70
5094.1118	Ø M24 x 18/1	4,50	8,70

### SYNTHETIC TUBE



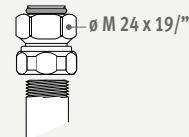
CODE	Description	Alu. SS.	
		chrome €/p.	€/p.
5094.1212	Ø M24 x 12/2	5,70	10,70
5094.1219	Ø M24 x 16/1.5	5,70	10,70
5094.1216	Ø M24 x 16/2	5,70	10,70
5094.1217	Ø M24 x 17/2	5,70	10,70
5094.1218	Ø M24 x 18/2	5,70	10,70

### RPE/ALU TUBE



CODE	Description	Alu. SS.	
		chrome €/p.	€/p.
5094.1314	Ø M24 x 14/2	7,90	13,80
5094.1316	Ø M24 x 16/2	7,90	11,00
5094.1326	Ø M24 x 16/2.2	7,90	13,80
5094.1318	Ø M24 x 18/2	7,90	13,80

### STEEL TUBE FOR C.H.



CODE	Description	Alu. SS.	
		chrome €/p.	€/p.
5094.1501	Ø M24 x 1/2"	8,10	13,40
5094.1504	Ø M24 x 3/8"	8,10	13,40

## DECO THERMOSTATIC HEAD



white RAL 9016



chrome



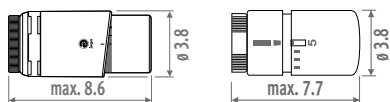
silver



brushed stainless steel effect



anodized alu. effect



CODE		€
5090.1150	white RAL 9016	35
5090.1151	chrome	52
5090.1152	silver	42
5090.1123	anodized alu. effect	86
5090.1124	brushed stainless steel effect	86

- liquid filled anti-freeze protection 7°C and regulable from 10 to 28°C
- screw connection M30 x 1.5
- max. water temperature 110°C



for Alu., replace 1 with 6  
for SS., replace 1 with 7

# DECO VALVES - M24

## JAGA DECO ANGLED

### Thermostatic valve

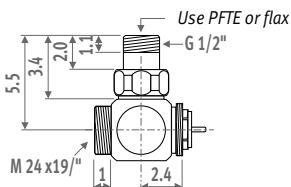


CODE	STANDARD KV	€
5094.422	chrome	77

CODE	REDUCED KV *	€
5094.5422	chrome	77

\* Reduced Kv is not suitable for Iguana

- for connection to the wall
- with synthetic spindle protection for setting on site (standard Kv: white / reduced Kv: red)
- balancing:
  - standard Kv 0.30 - 2.50 m<sup>3</sup>/h
  - reduced Kv 0.10 - 0.84 m<sup>3</sup>/h

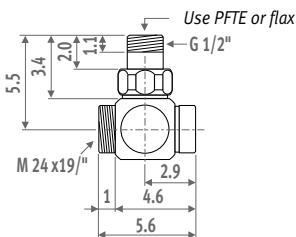


### Lockshield



CODE	€
5096.004 chrome	67

- for connection to the wall
- suitable for pre-setting (see pressure drop graph)



## JAGA DECO STRAIGHT

### Thermostatic valve

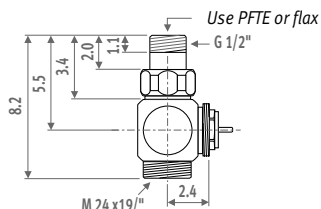


CODE	STANDARD KV	€
5094.420	chrome	77

CODE	REDUCED KV *	€
5094.5420	chrome	77

\* Reduced Kv is not suitable for Iguana

- for connection to the floor
- with synthetic spindle protection for setting on site (standard Kv: white / reduced Kv: red)
- balancing:
  - standard Kv 0.30 - 2.50 m<sup>3</sup>/h
  - reduced Kv 0.10 - 0.84 m<sup>3</sup>/h

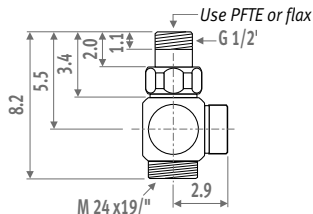


### Lockshield



CODE	€
5096.003 chrome	67

- for connection to the floor
- suitable for pre-setting (see pressure drop graph)



## JAGA DECO DOUBLE ANGLED

### Thermostatic valve

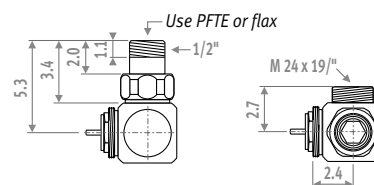


CODE	STANDARD KV	€
5094.423	chrome	77

CODE	REDUCED KV *	€
5094.5423	chrome	77

\* Reduced Kv is not suitable for Iguana

- for connection to the wall on the right side of the radiator.
- with synthetic spindle protection for setting on site (standard Kv: white / reduced Kv: red)
- balancing:
  - standard Kv 0.30 - 2.50 m<sup>3</sup>/h
  - reduced Kv 0.10 - 0.84 m<sup>3</sup>/h

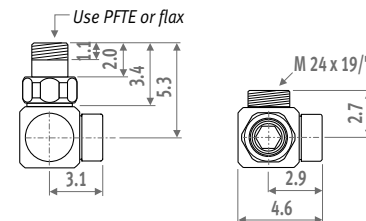


### Lockshield



CODE	€
5096.005 chrome	67

- for connection to the wall at the left hand side of the radiator.
- suitable for pre-setting (see pressure drop graph)



## DECO THERMOSTATIC HEAD



white RAL 9016

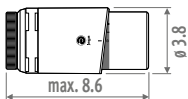


chrome



silver

CODE	€
5090.1150 white RAL 9016	35
5090.1151 chrome	52
5090.1152 silver	42



- liquid filled anti-freeze protection 7°C and regulable from 10 to 28°C
- screw connection M30 x 1.5
- max. water temperature 110°C

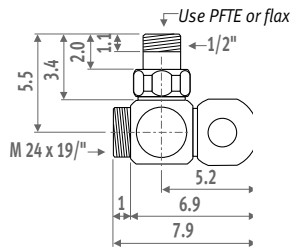


## JAGA DECO ANGLED MANUAL VALVE



CODE		€
5096.00201	chrome	67
5096.00202	white	67
5096.00203	black	67

- manual chrome-plated valve for connection to the wall
- head included
- head in 3 colours, with chrome-plated screw

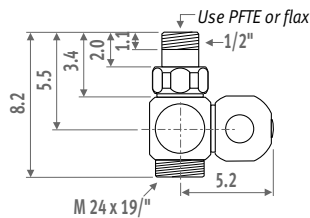


## JAGA DECO STRAIGHT MANUAL VALVE



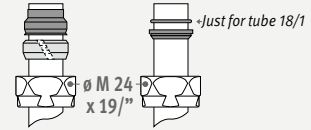
CODE		€
5096.00101	chrome	67
5096.00102	white	67
5096.00103	black	67

- manual chrome-plated valve for connection to the floor
- head included
- head in 3 colours, with chrome-plated screw



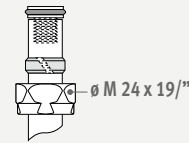
## Sleeve couplings

### PRECISION METAL TUBE



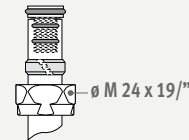
CODE	Description	€/p.
5094.1110	Ø M24 x 10/1	4,50
5094.1112	Ø M24 x 12/1	4,50
5094.1114	Ø M24 x 14/1	4,50
5094.1115	Ø M24 x 15/1	4,50
5094.1118	Ø M24 x 18/1	4,50

### SYNTHETIC TUBE



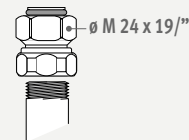
CODE	Description	€/p.
5094.1212	Ø M24 x 12/2	5,70
5094.1219	Ø M24 x 16/1.5	5,70
5094.1216	Ø M24 x 16/2	5,70
5094.1217	Ø M24 x 17/2	5,70
5094.1218	Ø M24 x 18/2	5,70

### RPE/ALU TUBE



CODE	Description	€/p.
5094.1314	Ø M24 x 14/2	7,90
5094.1316	Ø M24 x 16/2	7,90
5094.1326	Ø M24 x 16/2.2	7,90
5094.1318	Ø M24 x 18/2	7,90

### STEEL TUBE FOR C.H.



CODE	Description	€/p.
5094.1501	Ø M24 x 1/2"	8,10
5094.1504	Ø M24 x 3/8"	8,10

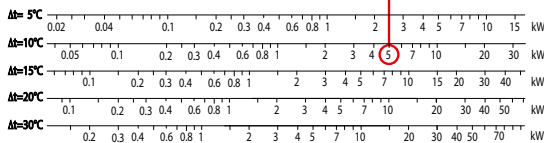
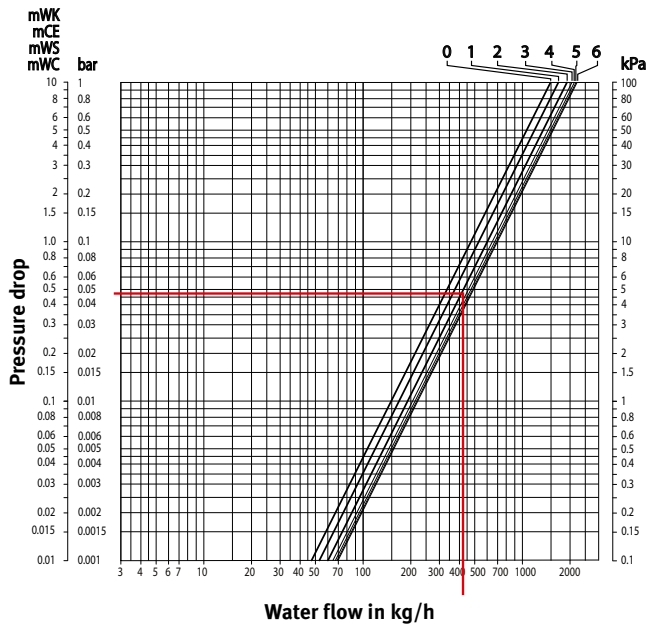
# PRESSURE DROP

## DECO PRO THERMOSTATIC VALVE ANGLED / STRAIGHT ONE PIPE



Pre-setting	0	1	2	3	4	5	6	7
Radiator flow %	0	11	21	26	29	31	32	32
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	1.50	1.68	1.90	2.04	2.12	2.17	2.20	2.20

Example: radiator 5 kW (Table ΔT=50)  
 $\Delta T = 10^\circ\text{C}$  (75 - 65 = 10°C)  
 $\Delta P = 0.07$  bar  
 Pre-setting = 1  
 Kv = 1.68 m<sup>3</sup>/h



### Technical data

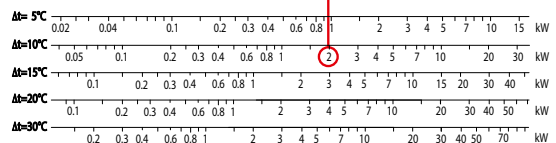
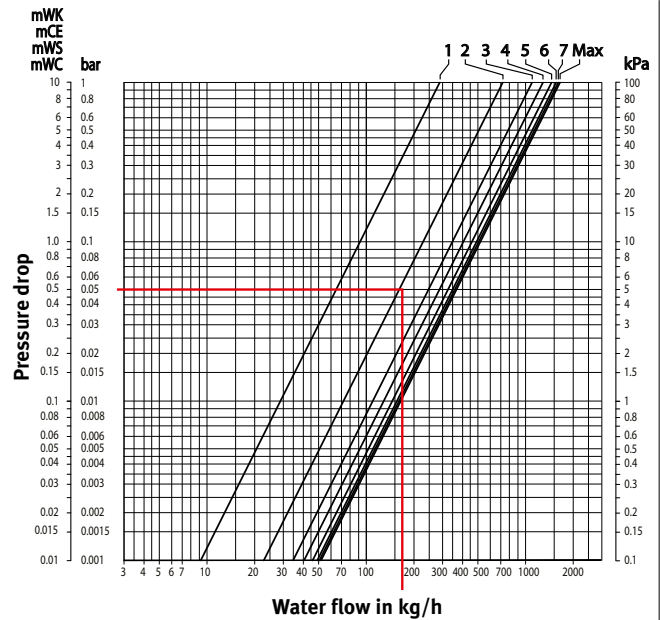
Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## DECO PRO THERMOSTATIC VALVE ANGLED / STRAIGHT TWO PIPE



Pre-setting	0	1	2	3	4	5	6	7	max.
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.29	0.72	1.10	1.29	1.46	1.56	1.61	1.65

Example: radiator 2 kW (Table ΔT=50)  
 $\Delta T = 10^\circ\text{C}$  (75 - 65 = 10°C)  
 $\Delta P = 0.05$  bar  
 Pre-setting = 2  
 Kv = 0.72 m<sup>3</sup>/h



### Technical data

Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

# PRESSURE DROP

## DECO THERMOSTATIC VALVE STANDARD KV ANGLED / DOUBLE ANGLED



Pre-setting	0	1	2	3	4	5	6	7	max.
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.30	0.70	1.03	1.31	1.56	1.76	1.90	2.50

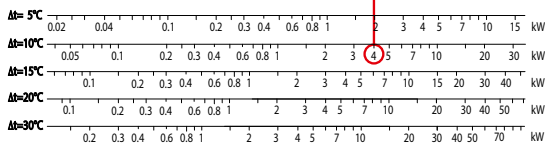
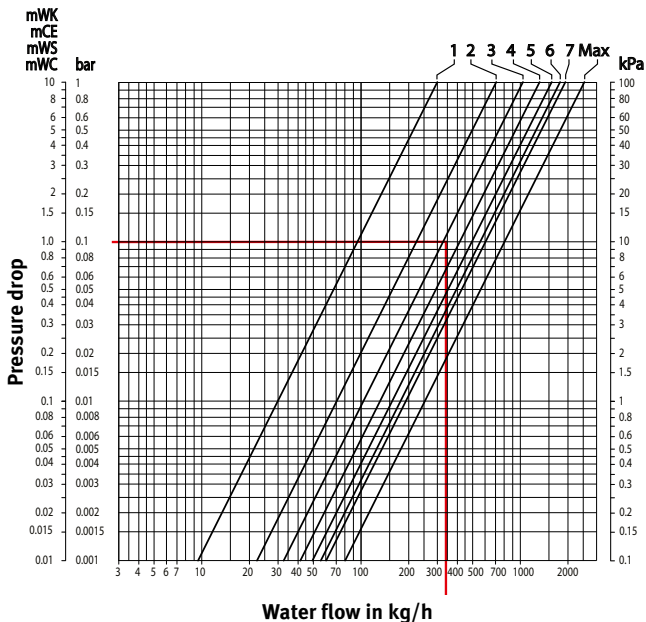
Example: radiator 4 KW (Table ΔT=50)

$$\Delta T = 10^{\circ}\text{C} (75 - 65 = 10^{\circ}\text{C})$$

$$\Delta P = 0.1 \text{ bar}$$

$$\text{Pre-setting} = 3$$

$$Kv = 1.03 \text{ m}^3/\text{h}$$



### Technical data

Max. water temperature: 120°C

Max. pressure of the system: 10 bar

Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## DECO THERMOSTATIC VALVE STANDARD KV STRAIGHT



Pre-setting	0	1	2	3	4	5	6	7	max.
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.30	0.73	1.07	1.30	1.45	1.54	1.60	1.85

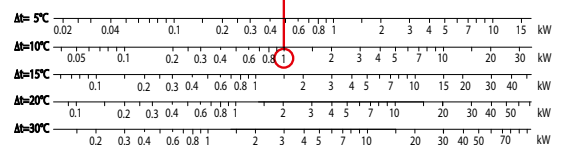
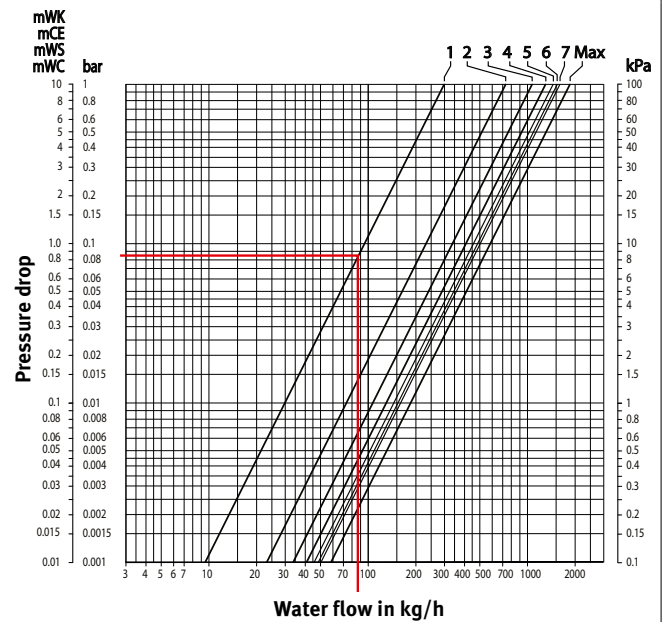
Example: radiator 1 KW (Table ΔT=50)

$$\Delta T = 10^{\circ}\text{C} (75 - 65 = 10^{\circ}\text{C})$$

$$\Delta P = 0.085 \text{ bar}$$

$$\text{Pre-setting} = 1$$

$$Kv = 0.3 \text{ m}^3/\text{h}$$



### Technical data

Max. water temperature: 120°C

Max. pressure of the system: 10 bar

Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

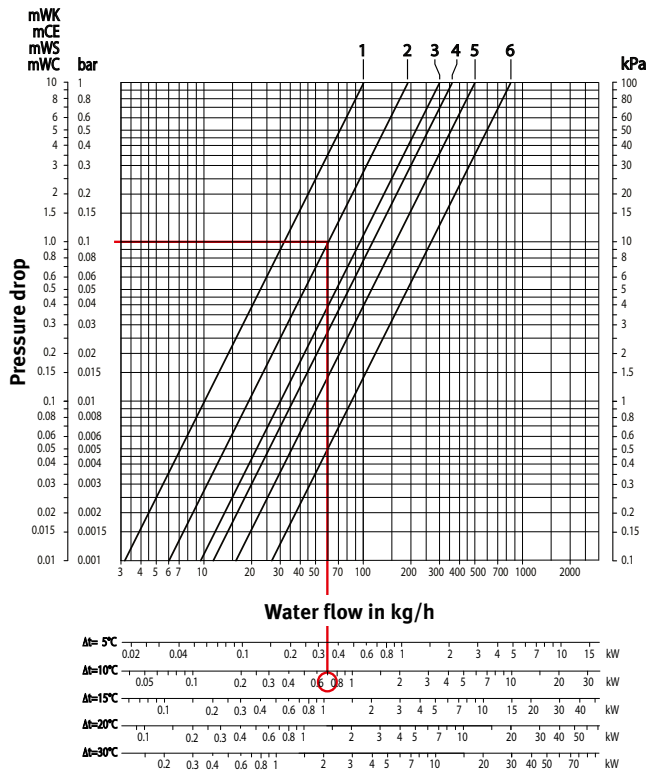
# PRESSURE DROP

## DECO THERMOSTATIC VALVE REDUCED KV ANGLED / DOUBLE ANGLED / STRAIGHT



Pre-setting	0	1	2	3	4	5	6
Radiator flow %	0	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.10	0.19	0.30	0.36	0.50	0.84

Example: radiator 0.7 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Pre-setting = 2  
 Kv = 0.19 m<sup>3</sup>/h



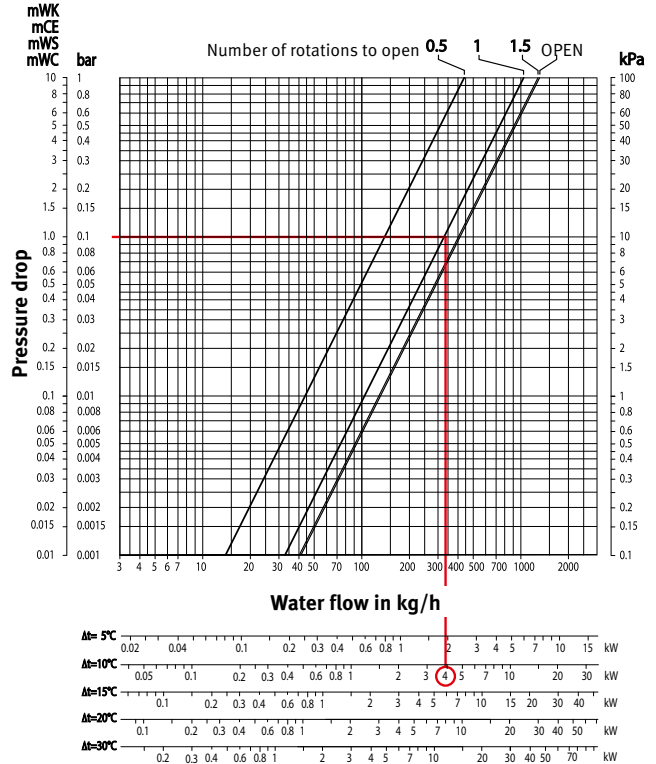
**Technical data**  
 Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## LOCKSHIELD ANGLED / DOUBLE ANGLED / STRAIGHT



Number of rotations	closed	0.5	1.0	1.5	open
Radiator flow %	0	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.44	1.04	1.28	1.31

Example: radiator 4 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Number of rotations = 1  
 Kv = 1.04 m<sup>3</sup>/h



**Technical data**  
 - Max. water flow temperature: 120°C  
 - Max. pressure of system: 10 bar

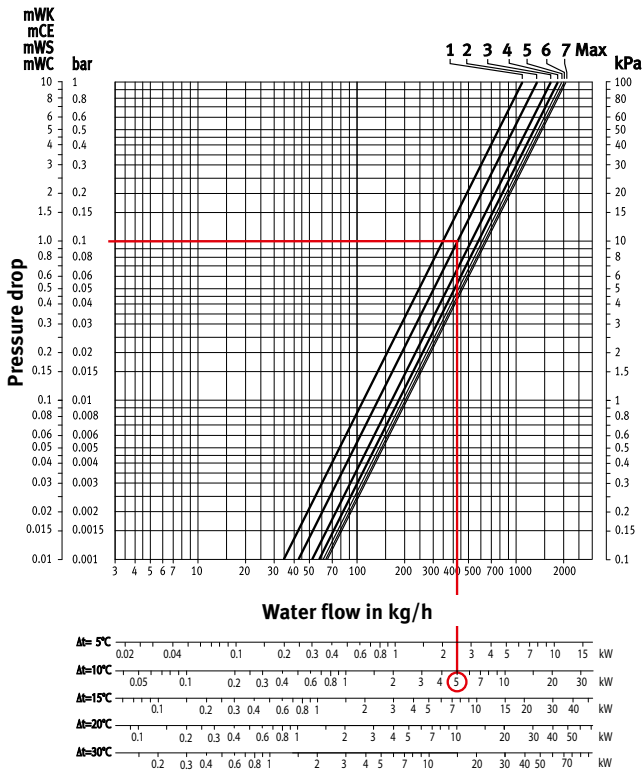
# PRESSURE DROP

## THERMOSTATIC VALVE FOR SINGLE POINT CONNECTION ONE PIPE



Pre-setting	0	1	2	3	4	5	6	7
Radiator flow %	0	19	34	40	43,5	45,5	47	47,5
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	1.10	1.36	1.66	1.84	1.95	2.02	2.07	2.10

Example: radiator 5 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Pre-setting = 2  
 Kv = 1.66 m<sup>3</sup>/h



### Technical data

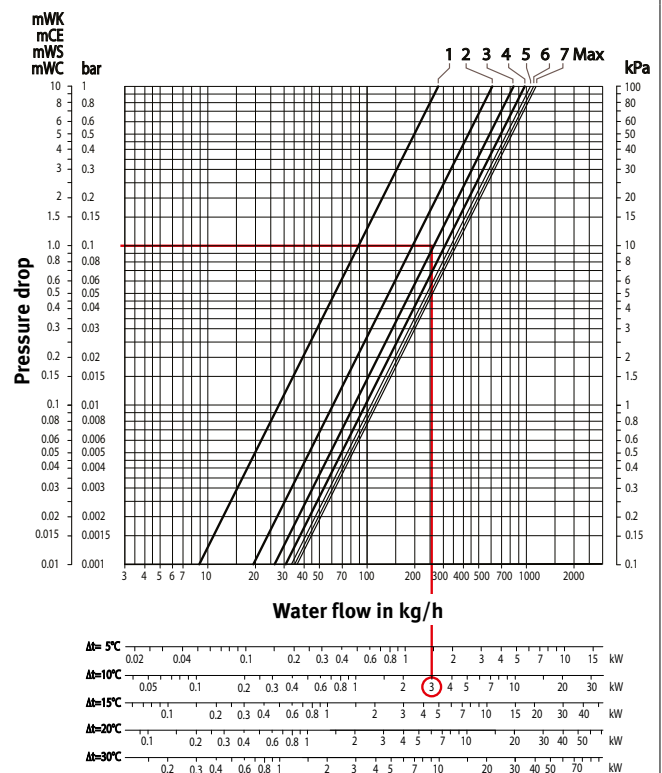
Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## THERMOSTATIC VALVE FOR SINGLE POINT CONNECTION TWO PIPE



Pre-setting	0	1	2	3	4	5	6	7
Radiator flow %	0	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0	0.28	0.61	0.83	0.97	1.06	1.11	1.15

Example: radiator 3 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar  
 Pre-setting = 3  
 Kv = 0.83 m<sup>3</sup>/h



### Technical data

Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

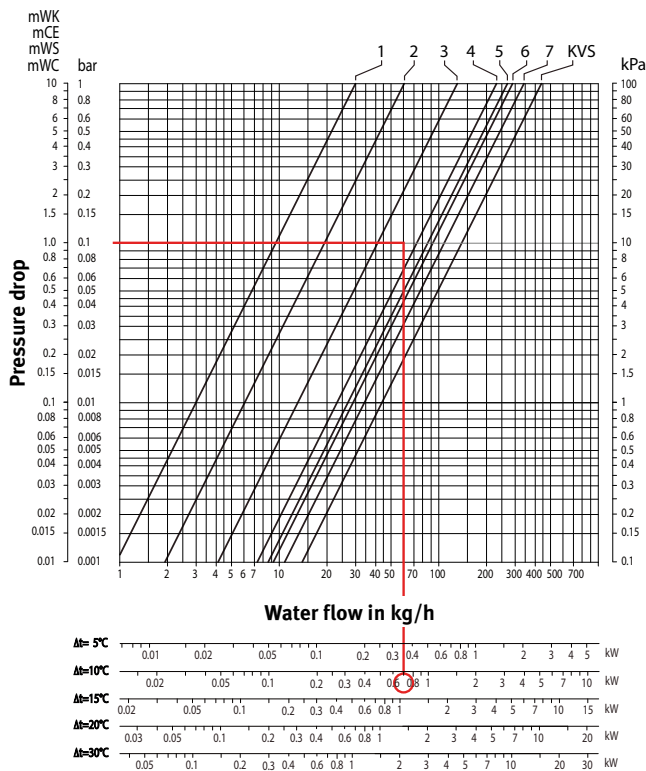
# PRESSURE DROP

## DANFOSS DECO DOUBLE ANGLED THERMOSTATIC VALVE



Pre-setting	1	2	3	4	5	6	7	N	NKVS
Radiator flow %	0	100	100	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0.03	0.06	0.13	0.17	0.23	0.27	0.29	0.34	0.44

Example: radiator 0.7 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the system)  
 Pre-setting = 4  
 Kv = 0.17 m<sup>3</sup>/h



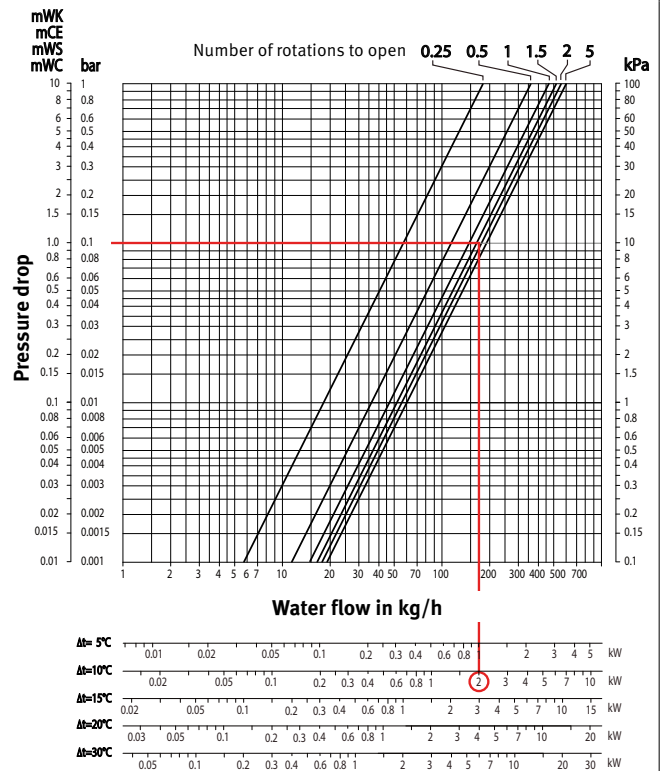
**Technical data**  
 Max. water temperature: 120°C  
 Max. pressure of the system: 10 bar  
 Max. pressure drop 0.6 bar complying to the noise standard ISO 3743

## DANFOSS DECO DOUBLE ANGLED LOCKSHIELD



Number of rotations	0.25	0.50	1	1.5	2	5	open
Radiator flow %	0	100	100	100	100	100	100
Kv: m <sup>3</sup> /h/ΔP=1 bar Kv (t=2K)	0.18	0.36	0.47	0.52	0.58	0.58	0.60

Example: radiator 2 KW (Table ΔT=50)  
 ΔT = 10°C (75 - 65 = 10°C)  
 ΔP = 0.1 bar (to be setted over the system)  
 Number of rotations = 2  
 Kv = 0.58 m<sup>3</sup>/h



**Technical data**  
 - Max. water flow temperature: 120°C  
 - Max. pressure of system: 10 bar





**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)





# PARTS AND OPTIONS

# STRADA - CASING



## Standard delivery

- partially pre-assembled casing
- colour 133 or 001
- cover plate in stainless steel effect for the side panel at the opposite end from the valve
- delivered in a cardboard box, which can also be used as protection on site after installation

## ORDERING CODE

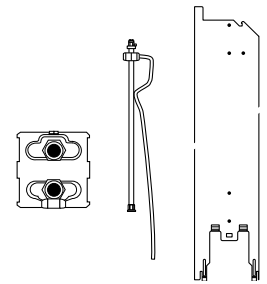
code height length type col.  
CSTW. HHH LLL TT. XXX

L	Type	H 020		H 035		H 050		H 065		H 095	
		st. colour	other	st. colour	other	st. colour	other	st. colour	other	st. colour	other
050	06	92	201	110	219	119	228	128	237	---	---
	10/11	100	209	117	226	128	237	140	249	---	---
	15/16	112	221	127	236	139	248	156	265	---	---
	20/21	120	229	137	246	153	262	166	275	---	---
060	06	100	209	118	227	128	237	139	248	164	273
	10/11	111	220	126	235	138	247	155	264	178	287
	15/16	118	227	136	245	152	261	166	275	195	304
	20/21	127	236	147	256	162	271	178	287	204	313
070	06	105	214	122	231	135	244	151	260	174	283
	10/11	117	226	134	243	151	260	164	273	192	301
	15/16	125	234	144	253	161	270	178	287	205	314
	20/21	139	248	159	268	177	286	196	305	221	330
080	06	111	220	131	240	143	252	159	268	187	296
	10/11	122	231	140	249	158	267	175	284	204	313
	15/16	135	244	157	266	174	283	195	304	224	333
	20/21	151	260	171	280	192	301	210	319	241	350
090	06	117	226	137	246	154	263	170	279	201	310
	10/11	127	236	152	261	166	275	185	294	217	326
	15/16	141	250	166	275	184	293	204	313	241	350
	20/21	157	266	180	289	201	310	219	328	255	364
100	06	120	293	141	314	158	331	174	347	214	387
	10/11	134	307	157	330	174	347	195	368	231	404
	15/16	151	324	174	347	195	368	214	387	255	428
	20/21	165	338	193	366	211	384	231	404	273	446
110	06	126	299	152	325	167	340	184	357	227	400
	10/11	140	313	165	338	184	357	204	377	247	420
	15/16	156	329	181	354	202	375	223	396	270	443
	20/21	175	348	202	375	223	396	245	418	291	464
120	06	137	310	162	335	180	353	202	375	245	418
	10/11	157	330	180	353	202	375	224	397	270	443
	15/16	175	348	201	374	221	394	247	420	294	467
	20/21	202	375	229	402	251	424	277	450	323	496
140	06	143	316	172	345	196	369	216	389	269	442
	10/11	165	338	195	368	216	389	242	415	293	466
	15/16	182	355	212	385	238	411	262	435	319	492
	20/21	210	383	240	413	264	437	292	465	345	518
160	06	171	344	202	375	229	402	254	427	---	---
	10/11	196	369	226	399	254	427	284	457	---	---
	15/16	217	390	250	423	279	452	310	483	---	---
	20/21	246	419	281	454	311	484	340	513	---	---
180	06	181	354	217	390	246	419	276	449	---	---
	10/11	211	384	246	419	277	450	309	482	---	---
	15/16	238	411	273	446	304	477	337	510	---	---
	20/21	266	439	302	475	336	509	369	542	---	---
200	06	203	505	243	545	273	575	305	607	---	---
	10/11	234	536	272	574	304	606	339	641	---	---
	15/16	263	565	304	606	338	640	376	678	---	---
	20/21	295	597	335	637	372	674	408	710	---	---
240	06	261	563	305	607	342	644	381	683	---	---
	10/11	296	598	339	641	379	681	421	723	---	---
	15/16	334	636	379	681	419	721	461	763	---	---
	20/21	373	675	418	720	459	761	502	804	---	---
280	06	293	595	341	643	385	687	430	732	---	---
	10/11	333	635	381	683	426	728	473	775	---	---
	15/16	376	678	425	727	473	775	520	822	---	---
	20/21	417	719	469	771	517	819	564	866	---	---

# HEAT EXCHANGER - STRADA

L	STANDARD					TWIN						
	Type	H 020	035	050	065	095	Type	H 020	035	050	065	095
050	---	---	---	---	---	---	06	141	200	202	205	---
	10	111	118	121	125	---	11	---	236	241	245	---
	15	139	147	154	158	---	16	---	287	291	297	---
	20	170	177	184	196	---	21	---	305	314	322	---
	---	---	---	---	---	---	06	153	212	215	217	219
060	---	---	---	---	---	---	11	---	249	254	259	262
	10	119	126	128	134	137	16	---	309	312	320	330
	15	154	159	164	171	179	21	---	333	339	350	360
	20	185	195	201	211	218	06	174	243	246	249	251
	---	---	---	---	---	---	11	---	287	291	295	299
070	---	---	---	---	---	---	16	---	360	364	372	380
	10	138	147	151	155	158	21	---	392	399	409	417
	15	180	186	194	199	207	06	185	257	260	263	266
	20	221	230	239	247	255	11	---	304	310	314	319
	---	---	---	---	---	---	16	---	384	391	398	408
080	---	---	---	---	---	---	21	---	423	431	440	449
	10	151	157	159	164	167	06	196	271	273	276	279
	15	197	202	207	214	221	11	---	320	323	330	333
	20	243	250	257	269	275	16	---	411	416	422	431
	---	---	---	---	---	---	21	---	452	458	468	476
090	---	---	---	---	---	---	06	215	295	297	301	304
	10	158	165	167	172	177	11	---	352	355	361	365
	15	209	215	220	227	238	16	---	454	457	464	474
	20	260	269	275	286	293	21	---	503	510	519	531
	---	---	---	---	---	---	06	226	311	314	318	320
100	---	---	---	---	---	---	11	---	369	373	378	381
	10	175	182	185	192	196	16	---	479	484	492	500
	15	233	240	245	250	259	21	---	536	541	551	561
	20	293	300	307	319	324	06	238	326	330	333	335
	---	---	---	---	---	---	11	---	385	392	396	399
110	---	---	---	---	---	---	16	---	507	510	518	529
	10	184	194	196	200	203	21	---	566	575	582	591
	15	249	254	260	266	276	06	261	363	368	372	377
	20	312	320	328	337	343	11	---	433	440	448	454
	---	---	---	---	---	---	16	---	574	579	590	603
120	---	---	---	---	---	---	21	---	690	701	714	728
	10	196	202	204	210	214	06	309	425	430	434	---
	15	262	270	275	281	290	11	---	508	515	520	---
	20	333	338	345	357	365	16	---	679	687	698	---
	---	---	---	---	---	---	21	---	816	829	843	---
140	---	---	---	---	---	---	06	332	457	461	465	---
	10	217	229	233	241	246	11	---	545	553	559	---
	15	295	305	315	323	336	16	---	736	743	754	---
	20	404	416	426	443	454	21	---	888	897	912	---
	---	---	---	---	---	---	06	355	489	493	496	---
160	---	---	---	---	---	---	11	---	583	590	597	---
	10	259	271	275	281	---	16	---	847	853	866	---
	15	356	365	375	382	---	21	---	956	966	979	---
	20	486	496	507	522	---	06	439	603	609	615	---
	---	---	---	---	---	---	11	---	723	733	742	---
180	---	---	---	---	---	---	16	---	1053	1060	1075	---
	10	279	291	295	301	---	21	---	1195	1211	1228	---
	15	387	397	406	414	---	06	493	676	682	688	---
	20	530	538	549	566	---	11	---	810	817	828	---
	---	---	---	---	---	---	16	---	1180	1188	1204	---
200	---	---	---	---	---	---	21	---	1347	1361	1380	---
	10	300	312	317	322	---	---	---	---	---	---	---
	15	449	457	468	476	---	---	---	---	---	---	---
	20	571	581	592	609	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
240	---	---	---	---	---	---	---	---	---	---	---	---
	10	376	391	397	406	---	---	---	---	---	---	---
	15	560	574	584	597	---	---	---	---	---	---	---
	20	717	732	747	767	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
280	---	---	---	---	---	---	---	---	---	---	---	---
	10	423	439	444	453	---	---	---	---	---	---	---
	15	630	643	655	668	---	---	---	---	---	---	---
	20	811	827	840	860	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---

## STANDARD



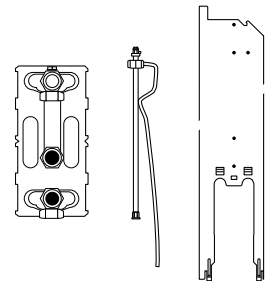
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HSTW.	HHH	LLL	TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HSTW.	HHH	LLL	TT

# LINEA PLUS - CASING



## Standard delivery

- partially pre-assembled casing
- colour 133 or 001
- delivered in a cardboard box, which can also be used as protection on site after installation

## ORDERING CODE

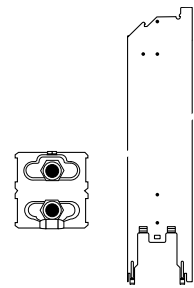
code	height	length	type	col.
CLIW.	HHH	LLL	TT.	XXX

L	Type	H 020		H 035		H 050		H 065		H 095	
		st. colour	other	st. colour	other	st. colour	other	st. colour	other	st. colour	other
050	10/11	72	181	83	192	94	203	108	217	---	---
	15/16	76	185	88	197	102	211	117	226	---	---
	20/21	82	191	95	204	111	220	124	233	---	---
060	10/11	76	185	90	199	102	211	117	226	139	248
	15/16	80	189	94	203	110	219	124	233	153	262
	20/21	86	195	102	211	118	227	133	242	159	268
070	10/11	80	189	94	203	110	219	124	233	151	260
	15/16	83	192	98	207	116	225	133	242	161	270
	20/21	92	201	110	219	125	234	141	250	171	280
080	10/11	85	194	100	209	117	226	134	243	163	272
	15/16	91	200	108	217	125	234	143	252	175	284
	20/21	97	206	117	226	135	244	155	264	185	294
090	10/11	90	199	110	219	125	234	141	250	174	283
	15/16	95	204	117	226	134	243	154	263	187	296
	20/21	104	213	125	234	143	252	163	272	198	307
100	10/11	93	266	113	286	131	304	150	323	186	359
	15/16	100	273	120	293	138	311	159	332	201	374
	20/21	111	284	132	305	152	325	171	344	212	385
110	10/11	96	269	119	292	137	310	157	330	200	373
	15/16	105	278	126	299	147	320	167	340	214	387
	20/21	114	287	137	310	159	332	179	352	224	397
120	10/11	102	275	124	297	143	316	166	339	211	384
	15/16	112	285	133	306	155	328	178	351	224	397
	20/21	121	294	143	316	166	339	193	366	239	412
140	10/11	112	285	136	309	159	332	182	355	238	411
	15/16	120	293	144	317	171	344	197	370	251	424
	20/21	133	306	159	332	184	357	210	383	263	436
160	10/11	134	307	162	335	192	365	217	390	---	---
	15/16	141	314	172	345	201	374	231	404	---	---
	20/21	157	330	186	359	217	390	247	420	---	---
180	10/11	147	320	179	352	210	383	241	414	---	---
	15/16	159	332	193	366	221	394	255	428	---	---
	20/21	172	345	205	378	240	413	272	445	---	---
200	10/11	163	465	199	501	231	533	263	565	---	---
	15/16	175	477	211	513	245	547	281	583	---	---
	20/21	193	495	227	529	262	564	297	599	---	---
220	10/11	195	497	231	533	269	571	304	606	---	---
	15/16	207	509	245	547	284	586	322	624	---	---
	20/21	221	523	262	564	300	602	339	641	---	---
240	10/11	207	509	247	549	287	589	326	628	---	---
	15/16	221	523	262	564	302	604	343	645	---	---
	20/21	240	542	282	584	322	624	365	667	---	---
260	10/11	219	521	262	564	305	607	350	652	---	---
	15/16	236	538	279	581	322	624	366	668	---	---
	20/21	254	556	299	601	343	645	389	691	---	---
280	10/11	231	533	278	580	322	624	368	670	---	---
	15/16	247	549	295	597	340	642	389	691	---	---
	20/21	269	571	317	619	363	665	411	713	---	---

# HEAT EXCHANGER - LINEA PLUS

L	STANDARD						TWIN					
	Type	H 020	035	050	065	095	Type	H 020	035	050	065	095
050	10	113	119	124	127	---	11	---	233	238	241	---
	15	141	151	155	161	---	16	---	284	287	294	---
	20	171	179	185	196	---	21	---	300	307	317	---
060	10	121	127	132	135	139	11	---	246	250	254	259
	15	155	162	166	172	180	16	---	304	310	317	323
	20	187	197	203	211	218	21	---	328	335	341	352
070	10	140	150	153	157	161	11	---	284	287	291	295
	15	181	192	196	200	209	16	---	355	360	366	376
	20	224	233	241	247	255	21	---	385	394	402	410
080	10	153	158	162	166	171	11	---	301	305	310	314
	15	198	204	210	215	223	16	---	382	385	394	402
	20	244	253	259	269	276	21	---	417	424	432	441
090	10	159	166	171	174	178	11	---	317	320	324	330
	15	211	217	223	229	238	16	---	408	412	418	425
	20	261	271	277	286	293	21	---	447	453	461	469
100	10	177	184	187	194	197	11	---	346	352	356	361
	15	236	242	246	253	260	16	---	450	454	461	469
	20	294	302	310	318	326	21	---	498	504	514	521
110	10	186	195	198	202	205	11	---	365	369	373	378
	15	250	257	262	269	277	16	---	476	479	488	495
	20	315	322	330	337	343	21	---	531	537	544	554
120	10	202	212	217	223	230	11	---	395	401	406	413
	15	271	281	290	296	310	16	---	516	521	533	544
	20	339	353	363	376	385	21	---	576	584	597	609
140	10	219	231	238	243	249	11	---	428	434	440	448
	15	299	310	318	326	337	16	---	567	575	583	597
	20	408	419	430	443	455	21	---	682	692	705	717
160	10	261	272	278	285	---	11	---	502	508	515	---
	15	360	369	378	384	---	16	---	675	679	690	---
	20	489	500	510	522	---	21	---	810	822	832	---
180	10	284	293	299	305	---	11	---	540	547	553	---
	15	392	401	410	417	---	16	---	732	738	748	---
	20	532	542	554	566	---	21	---	877	890	900	---
200	10	304	315	320	326	---	11	---	579	584	590	---
	15	453	461	470	477	---	16	---	841	849	857	---
	20	575	584	597	608	---	21	---	946	958	969	---
220	10	353	363	369	376	---	11	---	664	671	677	---
	15	523	534	541	549	---	16	---	972	976	987	---
	20	668	679	690	702	---	21	---	1097	1106	1119	---
240	10	380	394	402	410	---	11	---	718	725	734	---
	15	564	578	589	599	---	16	---	1048	1054	1066	---
	20	720	736	750	767	---	21	---	1186	1197	1216	---
260	10	404	418	425	434	---	11	---	762	769	777	---
	15	600	614	626	636	---	16	---	1110	1118	1132	---
	20	768	785	799	814	---	21	---	1262	1274	1293	---
280	10	426	441	449	457	---	11	---	803	811	817	---
	15	636	648	659	670	---	16	---	1173	1180	1193	---
	20	814	831	846	860	---	21	---	1335	1350	1365	---

## STANDARD



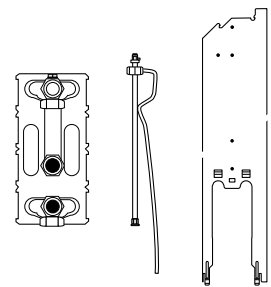
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- angled air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HLIW. HHH LLL TT

## TWIN



### standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HLIW. HHH LLL TT

# TEMPO - CASING



## Standard delivery

- kit existing of:
  - grille
  - front panel
  - open side panel for valve connection
  - closed side panel
- colour 101
- compact packaging with cardboard corners and shrink wrapping

## ORDERING CODE

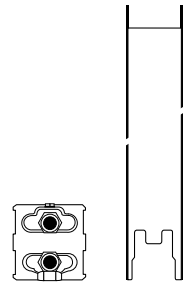
code	height	length	type	col.
CTEW.	HHH	LLL	TT.	101

		H 020	H 030	H 040	H 050	H 060	H 070	H 090
L	Type							
040	10/11	55	66	75	86	95	107	126
	15/16	60	72	82	94	105	116	137
	20/21	67	79	90	104	117	125	152
050	10/11	59	71	80	92	102	113	135
	15/16	65	76	87	100	112	122	144
	20/21	72	83	95	110	122	133	159
060	10/11	64	75	86	98	112	124	150
	15/16	71	82	94	111	121	133	159
	20/21	76	90	104	118	133	143	174
070	10/11	71	82	95	111	122	136	164
	15/16	77	91	105	121	135	150	177
	20/21	85	98	116	132	147	159	194
080	10/11	73	86	98	116	128	141	172
	15/16	81	94	111	126	140	155	184
	20/21	88	105	120	136	154	167	201
090	10/11	79	92	108	125	138	156	185
	15/16	86	102	118	136	153	166	200
	20/21	95	113	128	150	165	180	216
100	10/11	83	98	117	134	152	167	201
	15/16	92	110	126	147	163	179	216
	20/21	102	121	138	159	178	196	234
110	10/11	88	107	124	141	162	179	216
	15/16	97	118	136	158	175	195	233
	20/21	110	128	150	170	192	207	249
120	10/11	91	110	127	150	165	184	221
	15/16	102	121	139	163	181	200	241
	20/21	114	134	155	175	198	216	257
140	10/11	104	125	147	171	195	215	260
	15/16	117	137	162	186	209	231	278
	20/21	127	153	175	201	224	247	296
160	10/11	116	138	163	187	212	238	286
	15/16	131	155	179	207	231	255	305
	20/21	144	172	198	223	251	276	330
180	10/11	124	152	177	205	231	259	314
	15/16	139	167	197	224	253	279	335
	20/21	157	184	214	244	273	299	360
200	10/11	137	166	198	229	259	290	351
	15/16	156	185	217	250	281	311	375
	20/21	173	204	238	271	302	334	399
220	10/11	153	182	215	249	281	314	378
	15/16	172	204	239	273	305	337	404
	20/21	194	226	260	295	331	363	432
240	10/11	162	197	231	269	301	337	410
	15/16	184	219	255	293	330	364	435
	20/21	204	243	278	318	354	389	464
260	10/11	172	207	245	284	320	357	432
	15/16	197	233	271	311	350	384	461
	20/21	218	257	295	336	376	413	493
280	10/11	192	229	270	311	352	392	474
	15/16	215	255	296	340	381	422	503
	20/21	240	281	322	366	410	450	536
300	10/11	198	241	282	326	368	411	495
	15/16	224	269	311	356	399	441	530
	20/21	249	293	337	382	428	470	561

# HEAT EXCHANGER · TEMPO

L	STANDARD								TWIN						
	Type	H 020	030	040	050	060	070	090	Type	H 030	040	050	060	070	090
040	10	97	100	102	102	108	110	113	11	204	205	207	212	214	217
	15	122	124	128	132	133	135	139	16	246	251	254	255	257	262
	20	150	151	154	157	158	162	170	21	259	262	269	270	273	279
050	10	110	111	112	113	117	118	122	11	221	223	224	229	231	236
	15	136	138	141	144	147	151	155	16	272	277	279	281	284	289
	20	165	166	171	175	175	180	186	21	289	293	296	297	301	310
060	10	117	118	120	121	125	126	131	11	238	239	241	244	245	249
	15	151	152	155	158	159	162	166	16	293	297	300	301	304	310
	20	182	184	187	194	195	198	204	21	317	320	323	324	330	336
070	10	136	138	139	140	144	147	152	11	275	275	277	281	282	286
	15	177	178	181	184	186	192	196	16	343	350	352	353	355	362
	20	219	219	224	229	230	234	242	21	375	378	382	383	387	395
080	10	147	151	152	153	156	157	161	11	292	293	294	297	300	304
	15	194	195	198	200	202	204	210	16	372	376	378	379	382	387
	20	240	241	244	249	249	254	260	21	406	410	413	416	419	425
090	10	156	157	158	159	163	165	170	11	307	309	310	314	315	320
	15	205	207	211	214	215	217	223	16	397	401	403	404	408	413
	20	256	257	261	266	269	272	278	21	433	437	443	444	448	454
100	10	173	174	175	177	180	182	186	11	338	339	340	343	345	352
	15	230	231	236	239	240	242	246	16	439	444	447	448	450	455
	20	290	291	294	297	299	304	311	21	488	491	494	495	500	507
110	10	182	184	185	186	193	194	197	11	355	356	360	363	364	368
	15	245	246	250	253	254	257	262	16	464	470	473	474	476	480
	20	310	310	315	319	320	323	331	21	518	521	524	529	533	538
120	10	195	196	197	198	201	202	205	11	375	376	377	380	381	385
	15	259	260	263	269	270	272	277	16	493	496	499	500	502	508
	20	330	331	334	337	338	342	351	21	548	554	557	559	562	569
140	10	215	216	218	219	226	229	236	11	414	416	418	424	425	432
	15	292	293	299	302	305	310	318	16	551	557	561	562	567	576
	20	399	402	408	413	416	422	432	21	663	670	676	678	686	693
160	10	255	257	260	261	269	271	276	11	489	491	493	498	500	507
	15	352	353	360	363	365	369	378	16	658	664	669	670	675	682
	20	479	480	489	494	496	501	513	21	792	799	805	807	812	823
180	10	277	279	281	284	290	291	296	11	529	530	532	537	538	544
	15	382	384	392	396	397	401	410	16	715	721	725	728	732	739
	20	522	523	532	537	538	544	555	21	859	868	873	875	881	891
200	10	297	300	301	304	310	312	319	11	564	566	569	576	577	582
	15	444	447	453	456	457	461	470	16	826	831	835	837	841	850
	20	564	567	575	580	581	587	598	21	929	935	939	944	949	959
220	10	345	350	351	353	357	361	366	11	651	654	655	660	663	670
	15	516	518	523	530	531	534	541	16	953	962	966	967	972	979
	20	659	660	668	673	675	681	691	21	1079	1085	1091	1094	1099	1109
240	10	372	376	378	380	387	391	399	11	699	701	703	712	715	722
	15	554	556	564	570	574	578	589	16	1024	1033	1037	1039	1048	1056
	20	710	713	720	729	732	739	753	21	1162	1170	1177	1180	1189	1203
260	10	397	399	402	404	412	416	423	11	743	745	748	755	759	767
	15	590	592	600	605	609	614	626	16	1088	1097	1102	1104	1110	1120
	20	758	760	768	776	778	788	800	21	1236	1244	1254	1256	1265	1277
280	10	419	422	424	426	435	439	447	11	785	786	790	798	800	809
	15	624	627	636	641	643	648	659	16	1150	1159	1166	1168	1173	1183
	20	806	807	814	823	827	834	849	21	1311	1319	1328	1331	1341	1351
300	10	443	445	449	452	458	461	469	11	827	828	831	839	841	851
	15	658	660	670	675	677	682	693	16	1212	1221	1226	1228	1233	1244
	20	851	853	859	870	872	880	893	21	1386	1393	1401	1405	1413	1427

## STANDARD



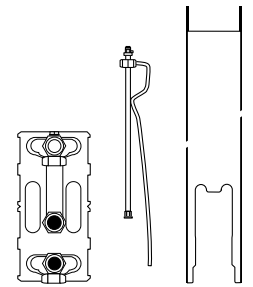
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- angled air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HTEW. HHH LLL TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code height length type  
HTEW. HHH LLL TT

# KNOCKONWOOD - CASING



		H 055
L	Type	
060	10/11	688
	15/16	710
080	10/11	753
	15/16	778
100	10/11	876
	15/16	912
120	10/11	1040
	15/16	1079
140	10/11	1160
	15/16	1199

## Standard delivery

- casing in one piece with wooden cover in plywood with high-grade veneer and metal side panels in sandblast grey (001)
- cover plate in stainless steel effect for the side panel at the opposite end from the valve
- delivered in a cardboard box, which can also be used as protection on site after installation

## ORDERING CODE

*code height length type wood*  
CKNW. HHH LLL TT. XXX

## WOOD FINISHES

The wooden casing is finished with a scratch-resistant polyurethane varnish, satin matte, gloss degree 40%. High UV resistance.

**Available from stock**  
**Height 055 and length 060 up to 140**



700 Oak natural 740 Zebrano natural

## AVAILABLE ON REQUEST

### Other wood finishes:



760 Maple natural 720 Beech natural



701 Oak bleached 721 Beech bleached



710 Mahogany 702 Oak wenge-coloured



780 Walnut

### Other dimensions:



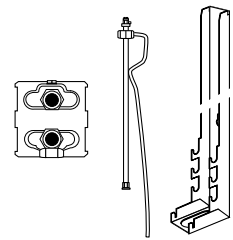
Height 030 and 090 cm, Length 180 and 220 cm not available per piece! Contact Jaga for your personalized offer.



# HEAT EXCHANGER - KNOCKONWOOD

L	STANDARD				TWIN			
	Type	H 030	055	080	Type	H 030	055	080
060	10	150	163	174	11	255	277	289
	15	181	197	211	16	314	334	350
080	10	178	195	204	11	311	332	342
	15	223	240	254	16	391	411	425
100	10	203	219	231	11	356	378	389
	15	261	276	291	16	458	478	494
120	10	223	241	250	11	392	413	424
	15	292	305	321	16	513	533	547
140	10	256	279	---	11	440	469	---
	15	335	356	---	16	579	605	---

## STANDARD



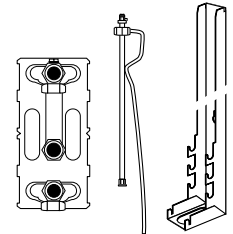
### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HKNW.	HHH	LLL	TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- wall brackets
- extended air vent
- fixing kit
- drain plug

### ORDERING CODE

code	height	length	type
HKNW.	HHH	LLL	TT

# MINI-CASING



## Standard delivery

- casing in one piece
- colour 133 or 001
- delivered in cardboard packaging

## ORDERING CODE

code height length type colour  
 CMIN. HHH LLL TT. XXX

L	H 008			H 013			H 023			H 028		
	Type	st. colour	other	Type	st. colour	other	Type	st. colour	other	Type	st. colour	other
060	---	---	---	05	124	233	06	159	268	06	201	310
	09	119	228	10	134	243	11	170	279	11	214	323
	14	136	245	15	154	263	16	193	302	16	239	348
	19	143	252	20	161	270	21	199	308	21	246	355
070	---	---	---	05	126	235	06	162	271	06	203	312
	09	122	231	10	136	245	11	172	281	11	216	325
	14	139	248	15	157	266	16	195	304	16	242	351
	19	147	256	20	163	272	21	202	311	21	249	358
080	---	---	---	05	128	237	06	165	274	06	205	314
	09	125	234	10	138	247	11	175	284	11	218	327
	14	141	250	15	159	268	16	198	307	16	245	354
	19	151	260	20	165	274	21	204	313	21	254	363
090	---	---	---	05	132	241	06	167	276	06	210	319
	09	127	236	10	140	249	11	178	287	11	221	330
	14	144	253	15	162	271	16	200	309	16	246	355
	19	154	263	20	170	279	21	207	316	21	256	365
100	---	---	---	05	134	307	06	171	344	06	214	387
	09	131	304	10	143	316	11	180	353	11	224	397
	14	150	323	15	164	337	16	202	375	16	251	424
	19	155	328	20	172	345	21	210	383	21	259	432
110	---	---	---	05	139	312	06	178	351	06	221	394
	09	135	308	10	152	325	11	192	365	11	238	411
	14	155	328	15	171	344	16	212	385	16	261	434
	19	162	335	20	179	352	21	219	392	21	273	446
120	---	---	---	05	151	324	06	187	360	06	234	407
	09	143	316	10	161	334	11	200	373	11	246	419
	14	163	336	15	180	353	16	221	394	16	275	448
	19	172	345	20	193	366	21	231	404	21	285	458
140	---	---	---	05	163	336	06	209	382	06	257	430
	09	158	331	10	175	348	11	220	393	11	273	446
	14	178	351	15	198	371	16	245	418	16	300	473
	19	186	359	20	209	382	21	255	428	21	314	487
160	---	---	---	05	202	375	06	255	428	06	314	487
	09	196	369	10	216	389	11	271	444	11	332	505
	14	216	389	15	241	414	16	295	468	16	362	535
	19	226	399	20	251	424	21	307	480	21	376	549
180	---	---	---	05	224	397	06	286	459	06	350	523
	09	217	390	10	242	415	11	300	473	11	368	541
	14	239	412	15	263	436	16	328	501	16	398	571
	19	251	424	20	279	452	21	341	514	21	416	589
200	---	---	---	05	251	553	06	318	620	06	385	687
	09	242	544	10	270	572	11	335	637	11	408	710
	14	263	565	15	293	595	16	362	664	16	439	741
	19	278	580	20	310	612	21	377	679	21	456	758
220	---	---	---	05	309	611	06	380	682	06	461	763
	09	293	595	10	326	628	11	399	701	11	482	784
	14	318	620	15	353	655	16	426	728	16	517	819
	19	333	635	20	371	673	21	445	747	21	537	839
240	---	---	---	05	332	634	06	410	712	06	495	797
	09	317	619	10	352	654	11	428	730	11	518	820
	14	340	642	15	379	681	16	458	760	16	554	856
	19	357	659	20	398	700	21	477	779	21	576	878
260	---	---	---	05	352	654	06	434	736	06	524	826
	09	335	637	10	373	675	11	456	758	11	549	851
	14	362	664	15	402	704	16	489	791	16	587	889
	19	380	682	20	422	724	21	508	810	21	610	912

# HEAT EXCHANGER - MINI

L	H 008		H 013		H 023 / 028	
	Type	€	Type	€	Type	€
060	---	---	05	83	06	195
	09	83	10	112	11	224
	14	108	15	141	16	281
	19	132	20	174	21	300
070	---	---	05	97	06	224
	09	97	10	132	11	261
	14	127	15	171	16	332
	19	158	20	211	21	360
080	---	---	05	107	06	241
	09	107	10	140	11	279
	14	138	15	185	16	357
	19	173	20	231	21	391
090	---	---	05	113	06	253
	09	113	10	152	11	294
	14	151	15	199	16	382
	19	186	20	249	21	419
100	---	---	05	125	06	278
	09	125	10	167	11	326
	14	166	15	221	16	425
	19	211	20	281	21	472
110	---	---	05	133	06	293
	09	133	10	177	11	342
	14	178	15	239	16	452
	19	224	20	300	21	502
120	---	---	05	139	06	309
	09	139	10	186	11	362
	14	192	15	253	16	478
	19	241	20	320	21	535
140	---	---	05	155	06	336
	09	155	10	205	11	396
	14	211	15	281	16	532
	19	291	20	385	21	642
160	---	---	05	185	06	399
	09	185	10	247	11	470
	14	255	15	340	16	637
	19	352	20	468	21	769
180	---	---	05	202	06	431
	09	202	10	270	11	508
	14	279	15	373	16	696
	19	382	20	510	21	837
200	---	---	05	217	06	461
	09	217	10	290	11	545
	14	324	15	433	16	806
	19	414	20	554	21	906
220	---	---	05	254	06	535
	09	254	10	337	11	632
	14	379	15	504	16	934
	19	486	20	647	21	1056
240	---	---	05	271	06	569
	09	271	10	362	11	673
	14	404	15	539	16	995
	19	520	20	693	21	1131
260	---	---	05	290	06	605
	09	290	10	384	11	718
	14	432	15	577	16	1060
	19	556	20	740	21	1208

## OPPOSITE END CONNECTIONS

### Mini height 008



### Standard delivery

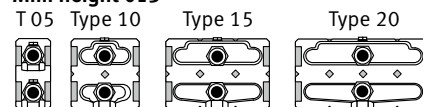
- Low-H<sub>2</sub>O heat exchanger type 09, 14 or 19
- air vent
- drain plug

### ORDERING CODE

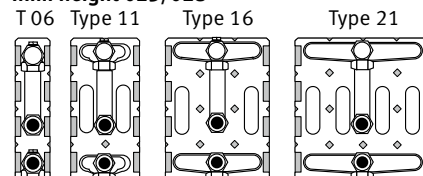
code      length    type  
5004.    000    LLLL    TT. /BS9

## SAME END CONNECTION

### Mini height 013



### Mini height 023/028



### Standard delivery

- Low-H<sub>2</sub>O heat exchanger
- air vent
- drain plug

### ORDERING CODE

code      length    type  
5003.    000    LLL    TT. /BS9

# WALL BRACKET - MINI

Type	st. colour	other
05/06	22	25
09/10/11	22	25
14/15/16	22	25
19/20/21	22	25

Type 05/06



Type 09/10/11



Type 14/15/16



Type 19/20/21



## WALL BRACKET

### ORDERING CODE

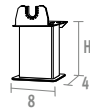
code type colour  
5205. 000 000 TT. XXX /W

Number of wall fixings for casing length:  
from 060 to 160 cm: min. 2 brackets  
from 180 to 300 cm: min. 3 brackets

# FEET - MINI

Foot	H	Type	st. colour	other
FS	6.5	05/06	22	25
	6.5	09/10/11	22	25
	6.5	14/15/16	22	25
	6.5	19/20/21	22	25
FM	10	05/06	22	25
	10	09/10/11	22	25
	10	14/15/16	22	25
	10	19/20/21	22	25
FL	12	05/06	22	25
	12	09/10/11	22	25
	12	14/15/16	22	25
	12	19/20/21	22	25

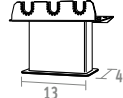
Type 05/06



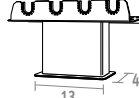
Type 09/10/11



Type 14/15/16



Type 19/20/21



## FIXED FEET

### ORDERING CODE

code type colour foot  
5205. 000 000 TT. XXX /FS

height 6.5 cm: FS  
height 10 cm: FM  
height 12 cm: FL

For mounting on finished floor

Number of feet for casing length:  
from L 060 to 160 cm: 2 feet  
from L 180 to 300 cm: 3 feet

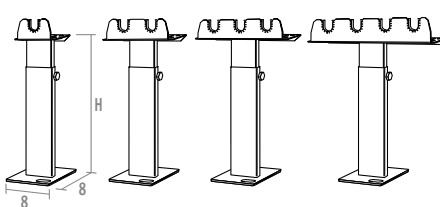
Foot	H	Type	st. colour	other
AS	13.5 > 21	05/06	62	71
	13.5 > 21	09/10/11	62	71
	13.5 > 21	14/15/16	62	71
	13.5 > 21	19/20/21	62	71
AL	21.5 > 34	05/06	62	71
	21.5 > 34	09/10/11	62	71
	21.5 > 34	14/15/16	62	71
	21.5 > 34	19/20/21	62	71

Type 05/06

Type 09/10/11

Type 14/15/16

Type 19/20/21



## ADJUSTABLE FEET

### ORDERING CODE

code type colour foot  
5205. 000 000 TT. XXX /AS

height adjustable from 13.5 to 21 cm: AS  
height adjustable from 21.5 to 34 cm: AL

For mounting on concrete floor ore for use with raised computer floors

Number of feet for casing length:  
from L 060 to 160 cm: 2 feet  
from L 180 to 300 cm: 3 feet

# LINEA PLUS FREESTANDING

## CASING



### Standard delivery

- partially pre-mounted casing for connection left or right at low level
- colour 133 or 001
- standard adjustable feet in neutral grey
- delivered in a cardboard box, which can also be used as protection on site after installation

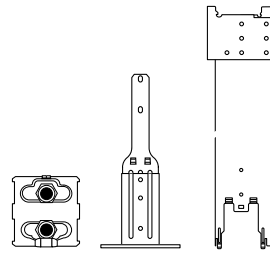
### ORDERING CODE

code height length type col.  
CLIF. HHH LLL TT. XXX

L	Type	H 020		H 035	
		st. colour	other	st. colour	other
050	10/11	110	219	128	237
	15/16	125	234	151	260
060	10/11	116	225	139	248
	15/16	133	242	159	268
070	10/11	121	230	150	259
	15/16	138	247	167	276
080	10/11	132	241	161	270
	15/16	152	261	180	289
090	10/11	139	248	174	283
	15/16	159	268	197	306
100	10/11	144	317	180	353
	15/16	164	337	202	375
110	10/11	152	325	192	365
	15/16	171	344	212	385
120	10/11	161	334	200	373
	15/16	180	353	221	394
140	10/11	175	348	220	393
	15/16	198	371	245	418
160	10/11	216	389	271	444
	15/16	241	414	295	468
180	10/11	242	415	300	473
	15/16	263	436	328	501
200	10/11	270	572	335	637
	15/16	293	595	362	664
220	10/11	326	628	399	701
	15/16	353	655	426	728
240	10/11	352	654	428	730
	15/16	378	680	458	760
260	10/11	373	675	456	758
	15/16	402	704	488	790
280	10/11	394	696	482	784
	15/16	423	725	515	817

## HEAT EXCHANGER

### STANDARD



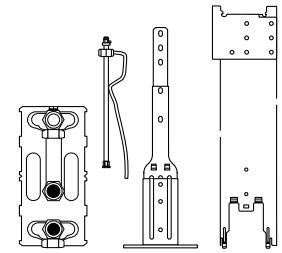
### Standard delivery

- heat exchanger
- brackets
- standard feet in neutral grey
- angled air vent
- drain plug

### ORDERING CODE

code height length type  
HLIF. HHH LLL TT

### TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- brackets
- standard feet in neutral grey
- extended air vent
- drain plug

### ORDERING CODE

code height length type  
HLIF. HHH LLL TT

L	Type	STANDARD		TWIN	
		H 020	035	Type	035
050	10	156	163	11	276
	15	185	194	16	328
060	10	164	171	11	290
	15	199	204	16	350
070	10	184	193	11	326
	15	226	233	16	399
080	10	196	202	11	343
	15	242	247	16	425
090	10	203	210	11	360
	15	254	261	16	452
100	10	219	227	11	392
	15	278	285	16	494
110	10	230	238	11	409
	15	294	300	16	519
120	10	266	277	11	458
	15	336	345	16	581
140	10	286	295	11	494
	15	365	376	16	632
160	10	328	337	11	567
	15	424	434	16	739
180	10	350	360	11	605
	15	456	465	16	798
200	10	369	379	11	643
	15	517	529	16	907
220	10	417	426	11	731
	15	589	599	16	1036
240	10	465	479	11	806
	15	652	664	16	1132
260	10	492	504	11	850
	15	688	701	16	1196
280	10	515	530	11	890
	15	721	735	16	1259

# TEMPO FREESTANDING - CASING



## standard delivery

- kit existing of:
  - grille
  - 2 front panels
  - open side panel for valve connection
  - closed side panel
- colour 101
- compact packaging with cardboard corners and shrink wrapping

## ORDERING CODE

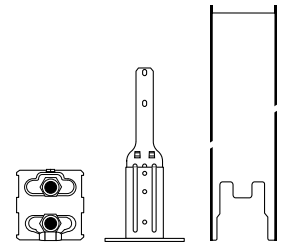
code	height	length	type	col.
CTEF.	HHH	LLL	TT.	101

		H 020	H 030	H 040	H 050
L	Type				
040	10/11	72	88	105	124
	15/16	77	94	113	132
	20/21	85	100	120	139
050	10/11	76	94	113	133
	15/16	82	100	120	139
	20/21	90	108	127	151
060	10/11	82	104	124	147
	15/16	90	112	133	157
	20/21	96	118	140	165
070	10/11	92	117	138	164
	15/16	98	124	150	174
	20/21	110	132	158	184
080	10/11	95	121	144	173
	15/16	105	131	156	182
	20/21	114	138	166	196
090	10/11	105	132	159	187
	15/16	114	139	170	200
	20/21	124	152	180	212
100	10/11	113	141	173	205
	15/16	122	154	182	217
	20/21	133	163	197	230
110	10/11	120	154	185	221
	15/16	132	165	200	236
	20/21	140	175	211	247
120	10/11	124	158	194	229
	15/16	136	171	205	243
	20/21	150	181	218	256
140	10/11	143	185	226	271
	15/16	157	199	241	285
	20/21	170	211	255	299
160	10/11	159	204	250	296
	15/16	174	219	266	315
	20/21	193	238	285	334
180	10/11	173	224	275	328
	15/16	193	242	293	345
	20/21	207	257	311	365
200	10/11	195	251	309	368
	15/16	212	271	330	389
	20/21	231	289	350	410
220	10/11	212	273	335	398
	15/16	234	294	357	422
	20/21	254	317	380	445
240	10/11	227	295	362	431
	15/16	251	319	385	456
	20/21	273	339	410	479
260	10/11	242	312	382	456
	15/16	266	337	410	484
	20/21	290	362	434	509
280	10/11	266	342	422	501
	15/16	293	371	449	531
	20/21	318	395	475	556
300	10/11	278	361	441	524
	15/16	305	387	470	556
	20/21	332	413	498	582

# HEAT EXCHANGER - TEMPO FREESTANDING

L	STANDARD				TWIN				
	Type	H 020	030	040	050	Type	030	040	050
040	10	141	143	144	147	11	249	250	251
	15	166	167	172	174	16	291	294	296
	20	193	194	197	201	21	302	307	311
050	10	153	154	155	156	11	266	269	270
	15	180	181	185	187	16	317	320	322
	20	210	210	215	218	21	333	336	339
060	10	161	162	163	164	11	281	282	284
	15	195	196	199	201	16	337	340	342
	20	226	227	231	238	21	360	363	366
070	10	180	181	182	184	11	318	319	320
	15	219	221	226	229	16	387	392	396
	20	262	263	269	272	21	418	422	425
080	10	193	194	195	196	11	336	336	338
	15	238	238	242	244	16	414	419	422
	20	284	284	289	292	21	449	453	457
090	10	200	201	202	203	11	351	352	353
	15	249	250	254	257	16	440	444	447
	20	300	300	305	310	21	477	480	486
100	10	217	218	219	219	11	381	382	383
	15	273	275	278	281	16	482	488	490
	20	333	334	337	341	21	531	534	538
110	10	226	227	229	230	11	399	401	402
	15	289	290	294	296	16	509	514	516
	20	353	354	357	362	21	561	564	569
120	10	238	239	240	241	11	417	418	419
	15	302	304	309	311	16	536	539	541
	20	372	373	377	381	21	592	597	600
140	10	279	282	285	286	11	479	480	484
	15	356	360	365	369	16	615	623	627
	20	464	465	473	478	21	729	735	740
160	10	321	323	324	328	11	554	556	557
	15	416	418	424	428	16	722	729	733
	20	544	547	554	560	21	856	861	870
180	10	341	342	345	350	11	591	594	596
	15	449	450	456	459	16	781	788	791
	20	587	590	596	602	21	927	931	937
200	10	363	365	368	369	11	629	631	632
	15	509	513	517	520	16	891	897	900
	20	630	631	638	644	21	994	998	1007
220	10	411	413	416	417	11	717	718	720
	15	581	582	589	592	16	1019	1026	1029
	20	723	727	732	738	21	1144	1149	1155
240	10	458	461	464	465	11	786	789	791
	15	641	643	652	657	16	1110	1119	1126
	20	795	800	808	815	21	1250	1256	1265
260	10	482	488	490	492	11	830	831	835
	15	677	679	688	692	16	1175	1184	1189
	20	845	847	855	861	21	1324	1332	1341
280	10	507	509	513	515	11	871	873	875
	15	712	714	721	727	16	1236	1245	1252
	20	891	893	900	911	21	1397	1407	1416
300	10	531	533	535	537	11	913	915	917
	15	746	748	755	762	16	1298	1306	1311
	20	937	939	948	957	21	1472	1481	1487

## STANDARD



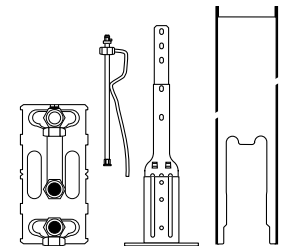
### Standard delivery

- heat exchanger
- brackets
- standard feet in neutral grey
- angled air vent
- drain plug

### ORDERING CODE

code height length type  
HTEF. HHH LLL TT

## TWIN



### Standard delivery

- Twin Low-H<sub>2</sub>O heat exchanger
- brackets
- standard feet in neutral grey
- extended air vent
- drain plug

### ORDERING CODE

code height length type  
HTEF. HHH LLL TT

# MINI CANAL - COMPLETE UNIT WITHOUT GRILLE



## Standard delivery

- Pre-assembled, dark grey lacquered Mini Canal with:
- Low-H<sub>2</sub>O heat exchanger
  - fixing straps
  - air vent(s) 1/8" and drain plug(s) 1/2"
  - anodised frame or cover frame

Grille dimensions = duct Dimensions - 1.2 cm

L	B	H 009	H 011	H 014	H 019
110	14	389	395	430	---
	18	396	401	---	---
	26	430	437	492	514
	34	486	494	562	583
	42	541	553	636	658
130	14	441	448	488	---
	18	449	455	---	---
	26	488	495	556	582
	34	551	562	639	667
	42	618	628	725	753
150	14	474	479	522	---
	18	482	491	---	---
	26	522	535	601	631
	34	599	610	698	728
	42	699	710	827	857
170	14	547	555	603	---
	18	559	564	---	---
	26	603	616	696	731
	34	697	709	813	850
	42	813	827	966	1000
190	14	580	589	643	---
	18	594	602	---	---
	26	643	657	743	782
	34	747	760	874	914
	42	874	889	1039	1080
210	14	630	641	700	---
	18	647	656	---	---
	26	699	714	808	852
	34	836	852	984	1028
	42	951	968	1133	1177
230	14	683	696	761	---
	18	706	714	---	---
	26	762	777	885	933
	34	918	935	1088	1136
	42	1053	1070	1263	1311
250	14	720	733	803	---
	18	745	754	---	---
	26	803	822	936	987
	34	972	989	1152	1208
	42	1118	1137	1344	1394
270	14	755	769	845	---
	18	782	793	---	---
	26	845	861	987	1043
	34	1025	1045	1219	1275
	42	1182	1199	1422	1478
290	14	817	832	913	---
	18	846	856	---	---
	26	913	934	1064	1126
	34	1103	1126	1310	1373
	42	1272	1295	1527	1591
310	14	856	872	957	---
	18	886	897	---	---
	26	957	978	1113	1177
	34	1163	1186	1374	1438
	42	1349	1374	1605	1672
330	14	896	914	1004	---
	18	928	941	---	---
	26	1000	1025	1164	1232
	34	1217	1239	1442	1512
	42	1434	1459	1688	1760
370	14	989	1009	1106	---
	18	1025	1039	---	---
	26	1105	1132	1283	1362
	34	1346	1374	1593	1671
	42	1590	1617	1868	1947

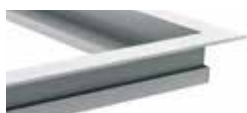
## ORDERING CODE WITH FRAME



code height length width col.  
 MICL. HHH LLL BB XXX  
 natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

## ORDERING CODE WITH COVER FRAME



code height length width col.  
 MICZ. HHH LLL BB XXX  
 natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

The cover frame is designed to provide a perfect finish with renovations or wooden floors.



# ORDERING CODE

code length width grille  
 GRIL. LLL.L BB.B /XXX  
 Grille codes see p. 376

# GRILLES - MINI CANAL

L	B	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
108.8	12.8	164	77	93	215	142	142	192	192	203	108	108	630	192	245
	16.8	174	81	100	235	155	155	203	203	217	133	133	700	203	262
	24.8	197	90	113	274	181	181	230	230	243	179	179	798	230	294
	32.8	223	100	127	327	219	219	311	311	330	224	224	993	311	400
	40.8	246	107	141	385	258	258	337	337	358	272	272	1299	337	430
128.8	12.8	194	92	110	255	169	169	227	227	241	127	127	747	227	290
	16.8	207	96	118	279	184	184	241	241	257	156	156	829	241	311
	24.8	233	107	135	324	214	214	273	273	288	212	212	945	273	348
	32.8	264	118	151	388	260	260	369	369	391	265	265	1175	369	474
	40.8	292	126	168	456	305	305	399	399	424	322	322	1538	399	509
148.8	12.8	224	106	127	294	196	196	262	262	278	148	148	862	262	335
	16.8	239	111	136	323	213	213	278	278	297	181	181	958	278	360
	24.8	270	124	155	376	248	248	315	315	332	245	245	1091	315	402
	32.8	305	136	174	448	301	301	426	426	452	307	307	1358	426	547
	40.8	337	146	194	526	353	353	461	461	490	372	372	1776	461	589
168.8	12.8	255	121	144	334	221	221	297	297	316	167	167	978	297	381
	16.8	271	126	155	366	242	242	316	316	337	205	205	1087	316	408
	24.8	306	140	177	426	281	281	357	357	377	277	277	1238	357	457
	32.8	347	155	198	509	341	341	484	484	513	348	348	1540	484	621
	40.8	382	166	219	597	400	400	523	523	555	422	422	2015	523	668
188.8	12.8	285	135	162	373	248	248	333	333	353	187	187	1095	333	426
	16.8	303	141	173	410	270	270	353	353	378	230	230	1216	353	456
	24.8	342	157	198	476	315	315	399	399	422	310	310	1386	399	510
	32.8	387	173	221	569	381	381	540	540	574	389	389	1723	540	694
	40.8	428	185	246	668	448	448	585	585	622	472	472	2254	585	747
208.8	12.8	315	149	179	413	274	274	368	368	391	208	208	1210	368	471
	16.8	335	156	192	453	299	299	391	391	417	255	255	1344	391	504
	24.8	379	173	218	526	348	348	442	442	467	343	343	1532	442	565
	32.8	428	192	245	629	422	422	598	598	633	430	430	1906	598	768
	40.8	473	205	272	739	495	495	647	647	688	522	522	2493	647	826
228.8	12.8	345	164	196	453	301	301	403	403	428	227	227	1327	403	516
	16.8	367	171	210	496	327	327	428	428	457	278	278	1473	428	553
	24.8	415	190	240	577	381	381	485	485	511	377	377	1679	485	618
	32.8	470	210	269	690	462	462	656	656	694	472	472	2088	656	842
	40.8	519	225	299	810	542	542	709	709	753	572	572	2732	709	905
248.8	12.8	375	178	213	492	327	327	439	439	465	247	247	1442	439	561
	16.8	399	186	228	540	356	356	465	465	498	303	303	1602	465	601
	24.8	452	208	260	628	415	415	526	526	555	410	410	1825	526	673
	32.8	510	228	292	750	503	503	713	713	755	514	514	2271	713	915
	40.8	564	244	324	881	591	591	771	771	820	623	623	2970	771	984
268.8	12.8	406	193	230	532	353	353	474	474	503	266	266	1558	474	607
	16.8	431	201	247	583	385	385	503	503	537	327	327	1731	503	649
	24.8	488	224	281	678	448	448	569	569	600	442	442	1972	569	728
	32.8	552	247	316	811	544	544	770	770	816	554	554	2452	770	989
	40.8	609	264	350	951	638	638	834	834	885	672	672	3209	834	1064
288.8	12.8	435	207	247	571	380	380	509	509	540	287	287	1675	509	652
	16.8	463	216	265	627	413	413	540	540	578	352	352	1860	540	698
	24.8	524	241	303	729	482	482	611	611	645	475	475	2120	611	781
	32.8	593	265	339	871	583	583	827	827	877	596	596	2635	827	1063
	40.8	655	284	377	1022	686	686	896	896	951	722	722	3449	896	1143
308.8	12.8	465	220	264	611	406	406	545	545	578	307	307	1790	545	697
	16.8	495	231	284	670	442	442	578	578	617	377	377	1988	578	746
	24.8	561	257	323	779	515	515	654	654	690	508	508	2266	654	836
	32.8	633	284	363	931	624	624	885	885	937	637	637	2818	885	1136
	40.8	700	304	402	1094	733	733	958	958	1018	773	773	3687	958	1222
328.8	12.8	495	235	281	651	432	432	580	580	615	326	326	1907	580	742
	16.8	528	246	302	714	471	471	615	615	657	400	400	2118	615	795
	24.8	597	274	345	829	548	548	697	697	735	541	541	2413	697	889
	32.8	683	306	392	1004	672	672	953	953	1011	687	687	3037	953	1224
	40.8	754	327	434	1178	790	790	1033	1033	1097	832	832	3974	1033	1317
368.8	12.8	556	264	316	730	485	485	651	651	690	366	366	2138	651	832
	16.8	592	276	339	800	529	529	690	690	737	449	449	2375	690	891
	24.8	670	307	386	931	615	615	781	781	824	607	607	2706	781	998
	32.8	758	339	433	1113	746	746	1057	1057	1120	761	761	3365	1057	1357
	40.8	836	363	480	1305	875	875	1144	1144	1214	922	922	4403	1144	1459

# MINI CANAL HYBRID - COMPLETE UNIT WITHOUT GRILLE



Building in-opening:  
 Height H + 1 cm  
 Length L + 0.5 cm  
 Width B + 0.5 cm

## Standard delivery

- Pre-assembled, dark grey lacquered Mini Canal DBE with:
- Low-H<sub>2</sub>O heat exchanger
  - fixing straps
  - air vent(s) 1/8" and drain plug(s) 1/2"
  - anodised frame or cover frame
  - Jaga dynamic product controller

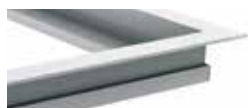
## ORDERING CODE WITH FRAME



code height length width col.  
 MDCL. HHH LLL BB XXX

natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

## ORDERING CODE WITH COVER FRAME



code height length width col.  
 MDCZ. HHH LLL BB XXX

natural aluminium: **FNA**  
 alu black: **FBL**  
 alu dark brown: **FDB**  
 alu brass: **FBR**  
 lacquered: **FNC/XXX**

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

Grille dimensions =  
 duct dimensions - 1.2 cm



L	B	H 014
110	26	768
	34	827
	42	888
130	26	823
	34	891
	42	963
150	26	968
	34	1047
	42	1155
170	26	1155
	34	1253
	42	1381
190	26	1195
	34	1305
	42	1442
210	26	1357
	34	1505
	42	1629
230	26	1423
	34	1592
	42	1737
250	26	1575
	34	1754
	42	1913
270	26	1616
	34	1810
	42	1979
290	26	1790
	34	1994
	42	2177
310	26	1940
	34	2157
	42	2350

**ORDERING CODE**

code length width grille  
 GRIL. LLL.L BB.B /XXX  
 |  
 Grille codes see p. 376

# GRILLES - MINI CANAL HYBRID

L	B	DMN DOV DON	RMN RMV	RBN RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
108.8	24.8	197	90	113	274	181	181	230	230	243	179	179	798	230	294
	32.8	223	100	127	327	219	219	311	311	330	224	224	993	311	400
	40.8	246	107	141	385	258	258	337	337	358	272	272	1299	337	430
128.8	24.8	233	107	135	324	214	214	273	273	288	212	212	945	273	348
	32.8	264	118	151	388	260	260	369	369	391	265	265	1175	369	474
	40.8	292	126	168	456	305	305	399	399	424	322	322	1538	399	509
148.8	24.8	270	124	155	376	248	248	315	315	332	245	245	1091	315	402
	32.8	305	136	174	448	301	301	426	426	452	307	307	1358	426	547
	40.8	337	146	194	526	353	353	461	461	490	372	372	1776	461	589
168.8	24.8	306	140	177	426	281	281	357	357	377	277	277	1238	357	457
	32.8	347	155	198	509	341	341	484	484	513	348	348	1540	484	621
	40.8	382	166	219	597	400	400	523	523	555	422	422	2015	523	668
188.8	24.8	342	157	198	476	315	315	399	399	422	310	310	1386	399	510
	32.8	387	173	221	569	381	381	540	540	574	389	389	1723	540	694
	40.8	428	185	246	668	448	448	585	585	622	472	472	2254	585	747
208.8	24.8	379	173	218	526	348	348	442	442	467	343	343	1532	442	565
	32.8	428	192	245	629	422	422	598	598	633	430	430	1906	598	768
	40.8	473	205	272	739	495	495	647	647	688	522	522	2493	647	826
228.8	24.8	415	190	240	577	381	381	485	485	511	377	377	1679	485	618
	32.8	470	210	269	690	462	462	656	656	694	472	472	2088	656	842
	40.8	519	225	299	810	542	542	709	709	753	572	572	2732	709	905
248.8	24.8	452	208	260	628	415	415	526	526	555	410	410	1825	526	673
	32.8	510	228	292	750	503	503	713	713	755	514	514	2271	713	915
	40.8	564	244	324	881	591	591	771	771	820	623	623	2970	771	984
268.8	24.8	488	224	281	678	448	448	569	569	600	442	442	1972	569	728
	32.8	552	247	316	811	544	544	770	770	816	554	554	2452	770	989
	40.8	609	264	350	951	638	638	834	834	885	672	672	3209	834	1064
288.8	24.8	524	241	303	729	482	482	611	611	645	475	475	2120	611	781
	32.8	593	265	339	871	583	583	827	827	877	596	596	2635	827	1063
	40.8	655	284	377	1022	686	686	896	896	951	722	722	3449	896	1143
308.8	24.8	561	257	323	779	515	515	654	654	690	508	508	2266	654	836
	32.8	633	284	363	931	624	624	885	885	937	637	637	2818	885	1136
	40.8	700	304	402	1094	733	733	958	958	1018	773	773	3687	958	1222

# SEPARATE GRILLES

## ORDERING CODE

code length width grille  
 GRIL. LLL.L BB.B /XXX  
 |  
 Grille codes

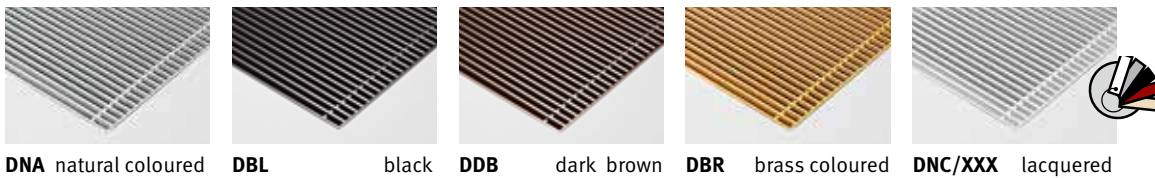
€/METRE

B	DMN DBN	RMN RMV	RBN RBV	DMV DOV DON	RBR RNA	RON ROV	DNA DBR	DBL DDB	RBL RDB DBV	SNA	SBL SDB SBR	RSS	SNC/XXX	DNC/XXX
12.8	151	72	86	198	132	132	177	177	187	100	100	580	177	226
16.8	161	75	92	217	143	143	187	187	200	122	122	644	187	242
24.8	182	83	105	253	167	167	212	212	224	165	165	734	212	271
28.8	193	86	110	262	175	175	275	275	291	185	185	813	275	352
32.8	205	92	118	302	202	202	287	287	304	207	207	913	287	368
36.8	216	94	124	330	218	218	297	297	317	229	229	970	297	382
40.8	227	98	131	354	238	238	310	310	330	250	250	1194	310	396
44.8	246	111	139	384	256	256	321	321	339	271	271	1203	321	411
48.8	266	119	154	402	269	269	383	383	409	293	293	1301	383	493
52.8	289	127	165	452	300	300	397	397	419	315	315	1407	397	507
56.8	310	137	177	486	323	323	408	408	431	335	335	1488	408	520

! Indicate length in cm. Max. 6 m in 1 piece. Length grille = length frame - 1.2 cm.

For all technical information see page 380

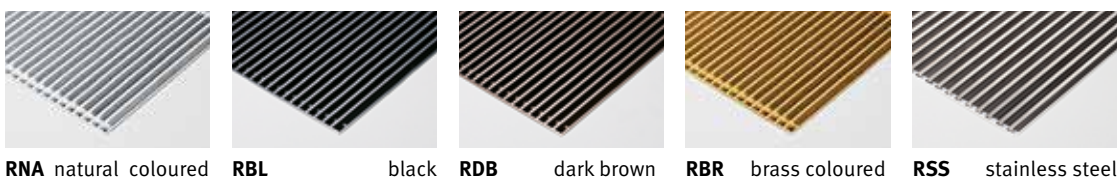
## DESIGNO RIGID ALUMINIUM GRILLES



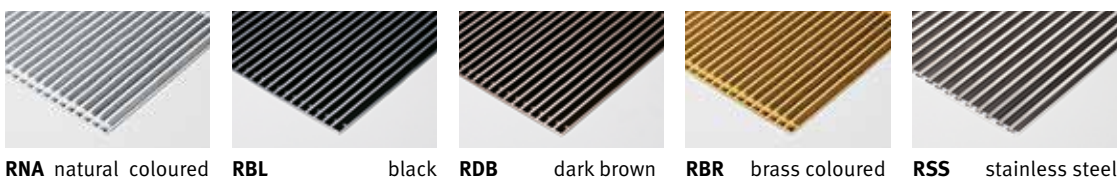
## RIGID ALUMINIUM GRILLES



## ROLL-UP ALUMINIUM GRILLES



## STAINLESS STEEL GRILLE



## DESIGNO ROLL-UP WOODEN GRILLES



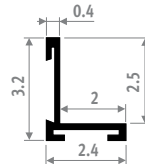
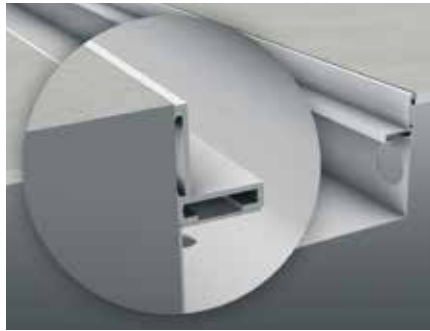
## ROLL-UP WOODEN GRILLES



# FRAME / COVER FRAME

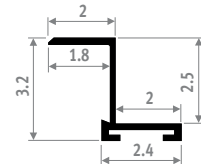
B	€/m
14.0	57
18.0	57
26.0	58
30.0	59
34.0	59
38.0	60
42.0	60
46.0	62
50.0	62
54.0	64
58.0	64

## FRAME



Frame in anodized aluminium.  
Length up to 6 metres in one piece.

## COVER FRAME



Cover frame in anodized aluminium.  
Length up to 6 metres in one piece.  
The cover frame allows a perfect finish with renovations or wooden floors.

### ORDERING CODE FRAME

code	length	width	colour
FRML .	LLL.L	BB.B	XXX
natural aluminium: <b>FNA</b>			
alu black: <b>FBL</b>			
alu dark brown: <b>FDB</b>			
alu brass: <b>FBR</b>			
lacquered: <b>FNC/XXX</b>			

### ORDERING CODE COVER FRAME

code	length	width	colour
FRMZ .	LLL.L	BB.B	XXX
natural aluminium: <b>FNA</b>			
alu black: <b>FBL</b>			
alu dark brown: <b>FDB</b>			
alu brass: <b>FBR</b>			
lacquered: <b>FNC/XXX</b>			

To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.  
Only in glossy (code 2..) and special colours 006, 005, 026 and 028.

# ELECTRIC HEATING ELEMENT WITH ECODESIGN COMPLIANT CONTROLLER

For Sani Ronda & Sani Basic

## ELECTRIC HEATING ELEMENT WITH DIGITAL CONTROLLER



**ECOdesign2018**  
compliant

- Electric heating element II , with case in stainless steel  $\varnothing$  1.4 cm
- Protection class IP 54
- Operating voltage: 230 V mono - 50 Hz
- Cable for electrical connection in socket outlet, length 0.80 m. The black wire should NOT be used and must be insulated.
- Casing: ABS/PC white
- Day and week program
- Setpoint between 7°C and 30°C, preset at 19°C
- Control with touch operation
- LCD display with background light
- Functions: Auto/Comfort/Eco/Standby/Frost protection
- Automatic detection for open windows, compliant with Ecodesign
- Boost function adjustable between 10 and 90 minutes in 5 min. intervals.
- Indication of energy consumption based on the temperature setting
- Indication of energy consumption in kWh since reset or over 24 hours period
- Child lock: keypad locking
- Adjustable Pin code lock
- Overheating protection

### Which output to select?

The power of the selected electric element should not exceed 125% of the output in a water based system at 75/65/20.

CODE	WATTS	L	€
<b>Electric heating element without T-piece</b>			
9096.0300	300	40	206
9096.0500	500	48	207
9096.0750	750	60	213
9096.1000	1000	72	218
9096.1250	1250	85	221
<b>Electric heating element with 1 T-piece</b>			
9096.0300/. . .	300	40	216
9096.0500/. . .	500	48	218
9096.0750/. . .	750	60	222
9096.1000/. . .	1000	72	228
9096.1250/. . .	1250	85	231
<b>Electric heating element with 2 T-pieces</b>			
9096.0300/. . . /2	300	40	226
9096.0500/. . . /2	500	48	227
9096.0750/. . . /2	750	60	233
9096.1000/. . . /2	1000	72	242
9096.1250/. . . /2	1250	85	243

fill in colour code:  
009 (chrome),  
233 (traffic white RAL 9016 - glossy)

## INFRARED REMOTE CONTROL

The remote control is an option and is only used to remotely control the functions indicated below.



Includes wall mount clip.

Functions:

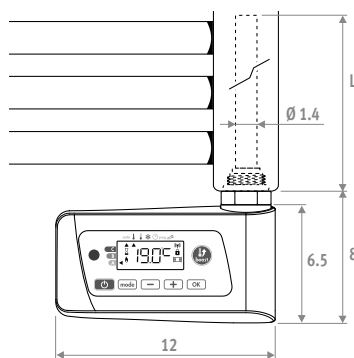
- display room temperature
- selection Auto/Comfort/Eco/Standby/Frost protection
- boost function
- adjustment of setpoint and boost duration

### CODE

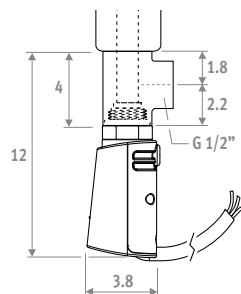
9096.020101 € 51

## DIMENSIONS

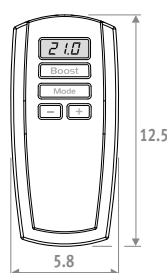
### 100% Electric



### Mixed connection



### Remote control

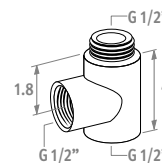


## CONNECTION

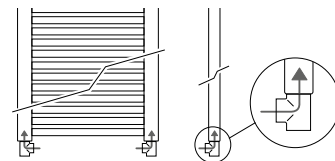
- Fit the electric heating element vertically in valve position 1 or 8.
- Fit the pressure relief valve (3 bar) in the air vent socket at the top.
- Fill the radiator completely with water before turning on the electric element.

## T-PIECE

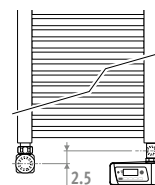
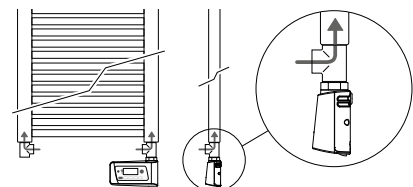
- Fit the T-piece together with the electric heating element for connection to the central heating system.
- NEVER isolate the radiator from the expansion system, in other words never cut off the return of the radiator.



## For connection at the side or at the back



## For mixed connection





**jaga** CLIMATE DESIGNERS



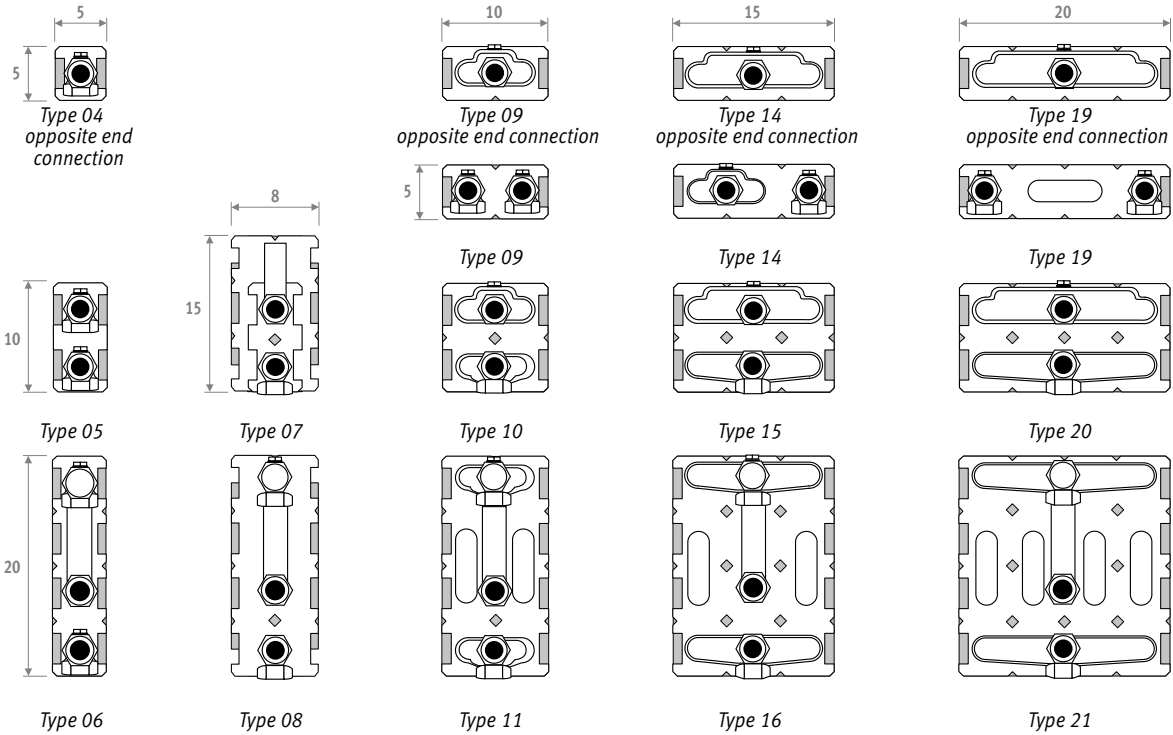
More products or info  
see [www.jaga.com](http://www.jaga.com)





# TECHNICAL INFORMATION

# HEAT EXCHANGERS OVERVIEW



Type	Strada	Linea Plus	Tempo	Mini	Knockonwood	Play	Installation into a wall recess	Tempo freestanding	Mini freestanding	Mini freestanding Hybrid	Knockonwood freestanding	Mini Canal H / W	Mini Canal Hybrid H / W	Canal Plus Canal Compact
04 opposite end connection	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/14	-	-
05	-	-	-	✓	-	-	-	-	-	-	-	✓ 14/14	-	-
06	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
07	✓*	-	-	-	-	-	-	-	-	-	-	-	-	-
08	✓**	-	-	-	✓	-	-	-	-	-	-	-	-	-
09	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/18-26	-	-
09 opposite end connection	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
10	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓ 14-19/26	✓ 14/26	✓
11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/34	-	-
14 opposite end connection	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
15	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓ 14-19/34	✓ 14/34	✓
16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	✓ 09-11/42	-	-
19 opposite end connection	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-
20	✓	✓	✓	✓	-	✓	✓	✓	✓	-	-	✓ 14-19/42	✓ 14/42	✓
21	✓	✓	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-

\* Strada type 06, height 20

\*\* Knockonwood and Strada type 06, all other heights

# CORRECTION FACTORS STATISCH

The indicated outputs with  $\Delta T 50$  and  $\Delta T 30$  are the exact outputs.  $\Delta T 50$  output measured in accordance with EN442 and  $\Delta T 30$  output calculated according to EN442. An average correction factor is given in this table for all other  $\Delta T$  outputs, applicable for all dimensions.

At [www.jaga.com/en/download-en/selection-tools](http://www.jaga.com/en/download-en/selection-tools) you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

## AVERAGE CORRECTION FACTORS FOR STATIC PRODUCTS ACCORDING TO EN442

Room temperature: 20°C

Average N-value: 1.36

Tr	65	60	55	50	45	40	35	30	25
Ta									
75	1.00	0.93	0.85	0.77	0.69	0.61	0.52	0.42	0.31
70	0.94	0.87	0.79	0.72	0.64	0.56	0.48	0.39	0.28
65		0.80	0.74	0.67	0.60	0.52	0.44	0.35	0.25
60			0.68	0.61	0.55	0.48	0.40	0.32	0.23
55				0.56	0.50	0.43	0.36	0.29	0.20
50					0.44	0.38	0.32	0.25	0.18
45						0.34	0.28	0.22	0.15
40							0.24	0.19	0.13
35								0.15	0.10
30									0.07

Room temperature: 24°C

Average N-value: 1.36

Tr	65	60	55	50	45	40	35	30	25
Ta									
75	0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70	0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65		0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60			0.58	0.52	0.45	0.38	0.31	0.23	0.11
55				0.47	0.41	0.34	0.28	0.20	0.09
50					0.36	0.30	0.24	0.17	0.08
45						0.26	0.20	0.14	0.06
40							0.17	0.12	0.05
35								0.09	0.03
30									0.02



STRADA



LINEA PLUS



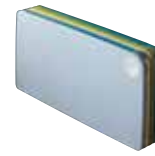
TEMPO



MINI WALL



KNOCKONWOOD



PLAY



PANEL PLUS



INSTALLATION IN A WALL RECESS



MINI



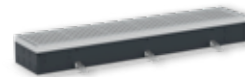
LINEA PLUS



TEMPO



PANEL PLUS



MINI CANAL



SANI ELECTRIC



SANI RONDA



SANI BASIC



IGUANA APLANO



IGUANA CIRCO



IGUANA CORNER



IGUANA VISIO



IGUANA ARCO



IGUANA ANGULA



TETRA



DECO SPACE



PANEL PLUS

# CORRECTION FACTORS HYBRID

The indicated outputs with  $\Delta T 50$  and  $\Delta T 30$  are the exact outputs.  $\Delta T 50$  output measured in accordance with EN442 and  $\Delta T 30$  output calculated according to EN442. An average correction factor is given in this table for all other  $\Delta T$  outputs, applicable for all dimensions.

At [www.jaga.com/en/download-en/selection-tools](http://www.jaga.com/en/download-en/selection-tools) you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

## AVERAGE CORRECTION FACTORS FOR HYBRID PRODUCTS - 75/65/20°C

Room temperature: 20°C

Average N-value: 1.10

Ta	Tr	65	60	55	50	45	40	35	30	25
75	1.00	0.94	0.88	0.81	0.74	0.67	0.59	0.50	0.38	
70	0.95	0.89	0.83	0.77	0.70	0.63	0.55	0.47	0.36	
65		0.84	0.78	0.72	0.66	0.59	0.52	0.43	0.33	
60			0.73	0.67	0.61	0.55	0.48	0.40	0.30	
55				0.62	0.57	0.51	0.44	0.37	0.28	
50					0.52	0.46	0.40	0.33	0.25	
45						0.42	0.36	0.29	0.22	
40							0.31	0.26	0.19	
35								0.22	0.15	
30									0.12	

Room temperature: 24°C

Average N-value: 1.10

Ta	Tr	65	60	55	50	45	40	35	30	25
75		0.91	0.85	0.79	0.72	0.65	0.58	0.49	0.39	0.22
70		0.86	0.80	0.74	0.68	0.61	0.54	0.46	0.36	0.20
65			0.75	0.69	0.63	0.57	0.50	0.42	0.33	0.19
60				0.64	0.59	0.53	0.46	0.39	0.30	0.17
55					0.54	0.48	0.42	0.35	0.27	0.15
50						0.44	0.38	0.32	0.24	0.13
45							0.33	0.28	0.21	0.11
40								0.23	0.17	0.09
35									0.14	0.07
30										0.04



STRADA HYBRID



RADIATORS WITH DBH UPGRADE SET



INSTALLATION IN A WALL RECESS HYBRID

# CORRECTION FACTORS DYNAMISCH

The indicated outputs with  $\Delta T 50$  and  $\Delta T 30$  are the exact outputs.  $\Delta T 50$  output measured in accordance with EN442 and  $\Delta T 30$  output calculated according to EN442. An average correction factor is given in this table for all other  $\Delta T$  outputs, applicable for all dimensions.

At [www.jaga.com/en/download-en/selection-tools](http://www.jaga.com/en/download-en/selection-tools) you can download the calculation tools with the exact outputs. The online calculation tools are kept up to date with the most recent data. Minor output differences between printed tables and the different online calculation tools are therefore completely normal and within the margins of tolerance imposed by the standard.

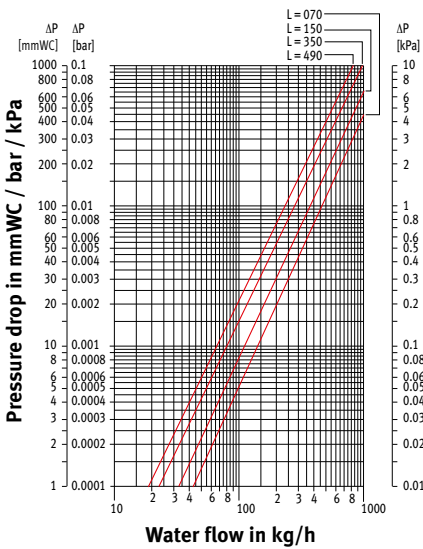
## AVERAGE CORRECTION FACTORS FOR DYNAMIC PRODUCTS - 75/65/20°C

Room temperature: 20°C										Room temperature: 24°C											
Average N-value: 1.00										Average N-value: 1.00											
Ta	Tr	65	60	55	50	45	40	35	30	25	Ta	Tr	65	60	55	50	45	40	35	30	25
75		1.00	0.95	0.89	0.83	0.76	0.69	0.62	0.53	0.42	75		0.92	0.86	0.81	0.74	0.68	0.61	0.52	0.42	0.26
70		0.95	0.90	0.84	0.79	0.72	0.66	0.58	0.50	0.39	70		0.87	0.82	0.76	0.70	0.64	0.57	0.49	0.39	0.24
65			0.85	0.80	0.74	0.68	0.62	0.55	0.47	0.37	65			0.77	0.72	0.66	0.60	0.53	0.46	0.37	0.22
60				0.75	0.70	0.64	0.58	0.51	0.43	0.34	60				0.67	0.62	0.56	0.49	0.42	0.34	0.20
55					0.65	0.60	0.54	0.47	0.40	0.31	55					0.57	0.52	0.46	0.39	0.31	0.18
50						0.55	0.49	0.43	0.37	0.28	50						0.47	0.41	0.35	0.27	0.15
45							0.45	0.39	0.33	0.25	45							0.37	0.31	0.24	0.13
40								0.35	0.29	0.22	40								0.27	0.20	0.11
35									0.25	0.18	35									0.17	0.08
30										0.14	30										0.06

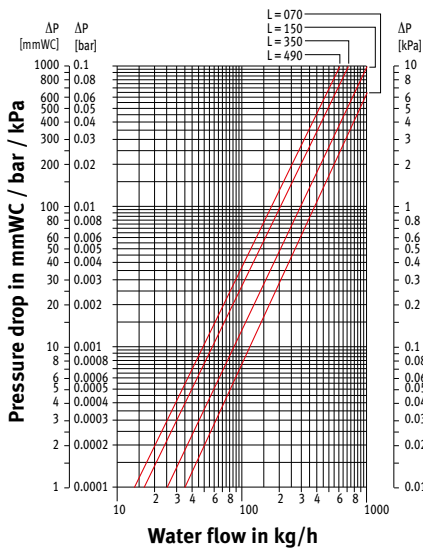


# PRESSURE DROP HEAT EXCHANGERS

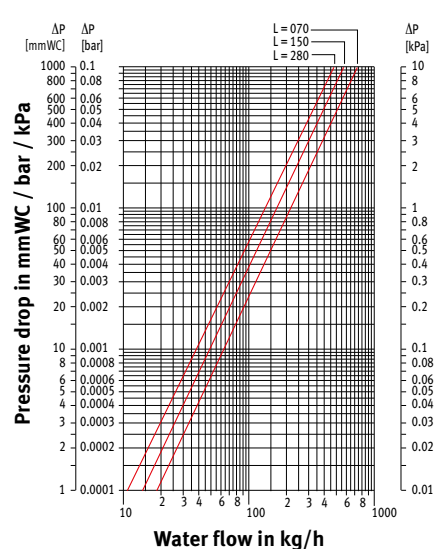
**PRESSURE DROP TYPE 04  
OPPOSITE END CONNECTION**



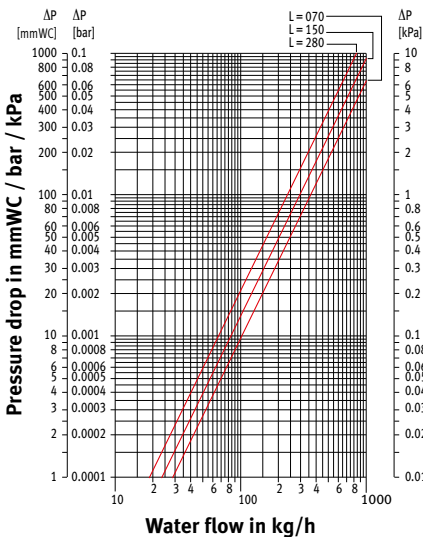
**PRESSURE DROP TYPE 05**



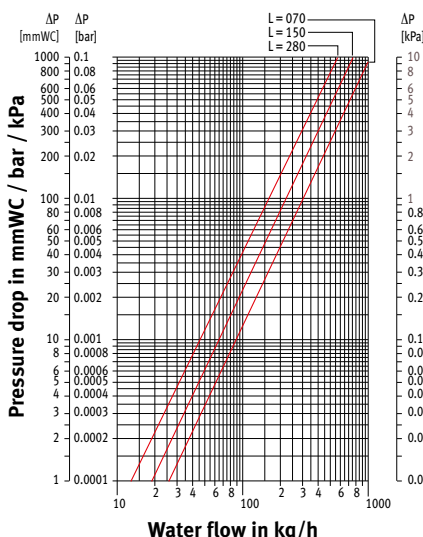
**PRESSURE DROP TYPE 06**



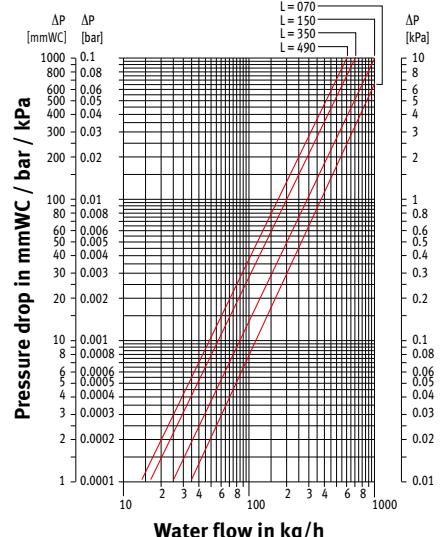
**PRESSURE DROP TYPE 07**



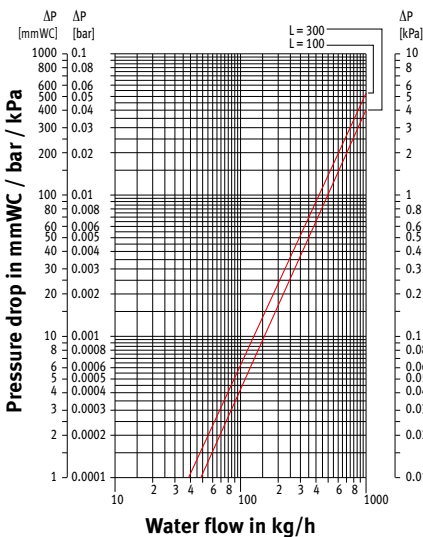
**PRESSURE DROP TYPE 08**



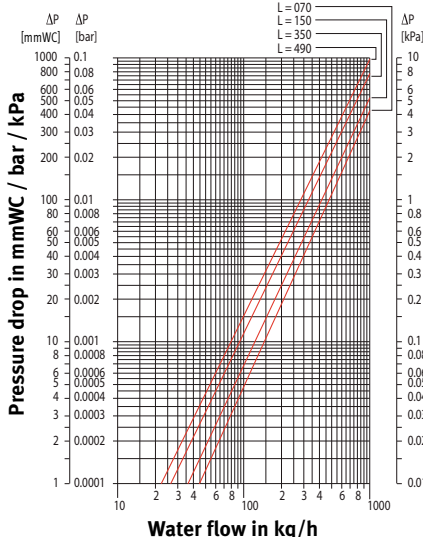
**PRESSURE DROP TYPE 09**



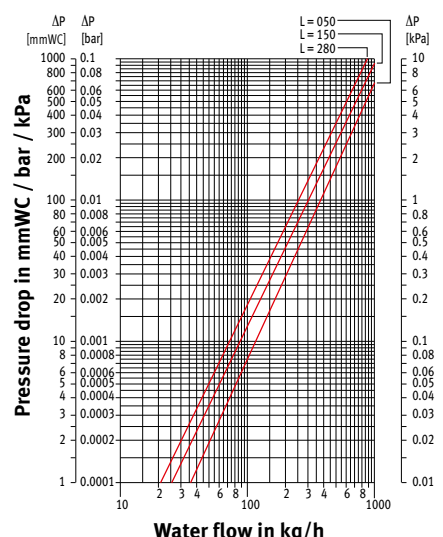
**PRESSURE DROP TYPE 09  
OPPOSITE END CONNECTION**



**PRESSURE DROP TYPE 10**

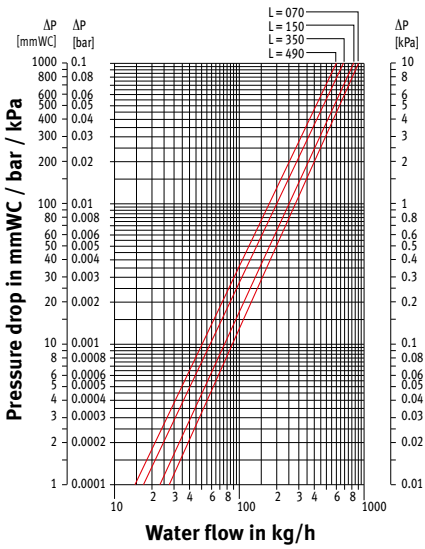


**PRESSURE DROP TYPE 11**

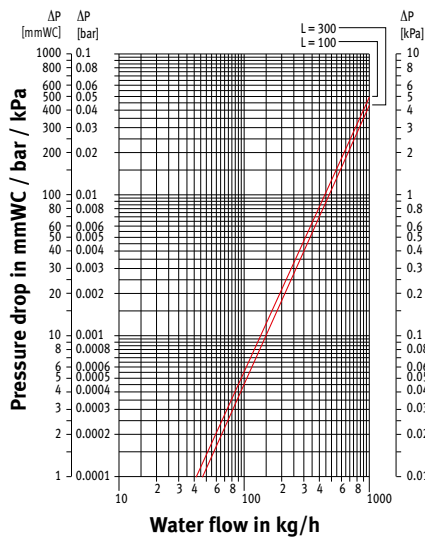


# HEAT EXCHANGERS PRESSURE DROP

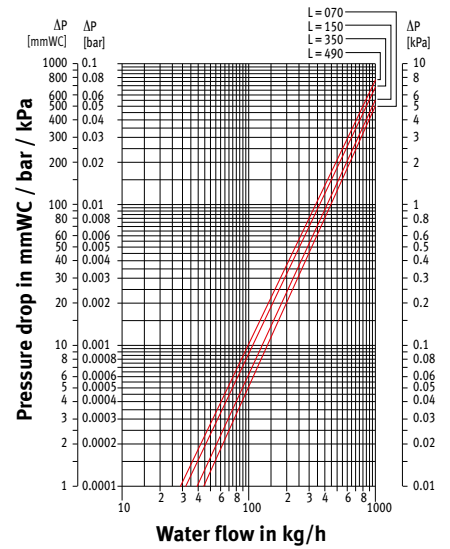
**PRESSURE DROP TYPE 14**



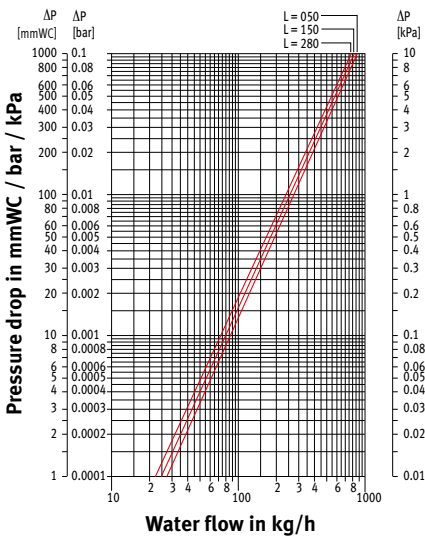
**PRESSURE DROP TYPE 14  
OPPOSITE END CONNECTION**



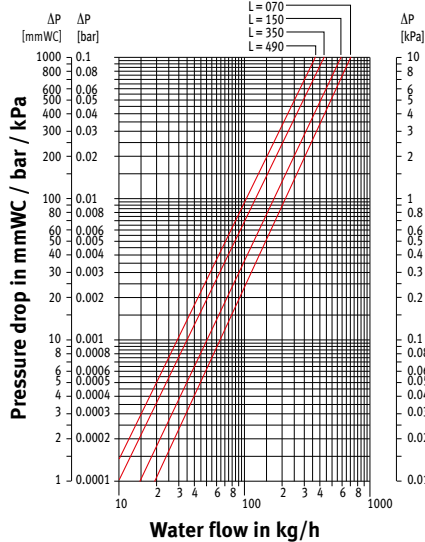
**PRESSURE DROP TYPE 15**



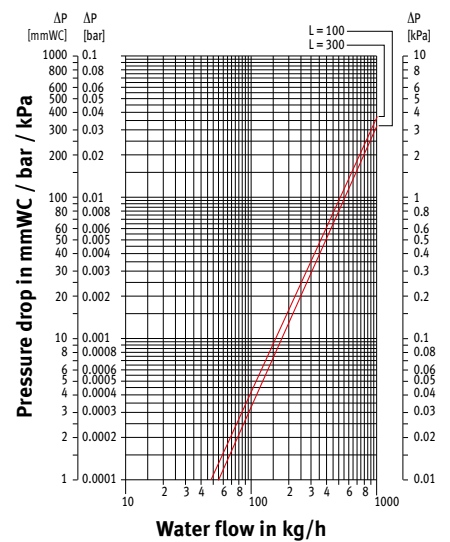
**PRESSURE DROP TYPE 16**



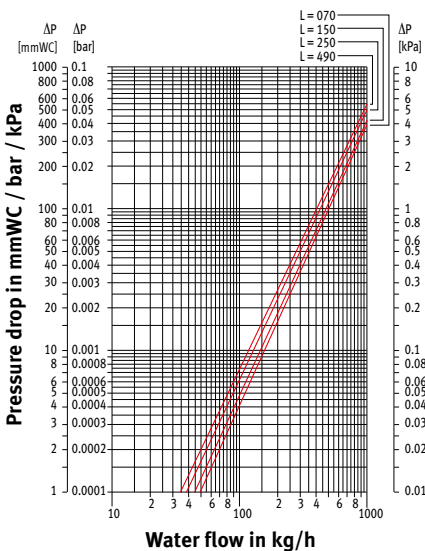
**PRESSURE DROP TYPE 19**



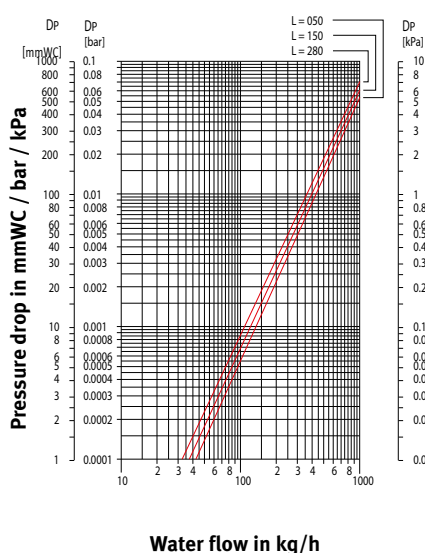
**PRESSURE DROP TYPE 19  
OPPOSITE END CONNECTION**



**PRESSURE DROP TYPE 20**

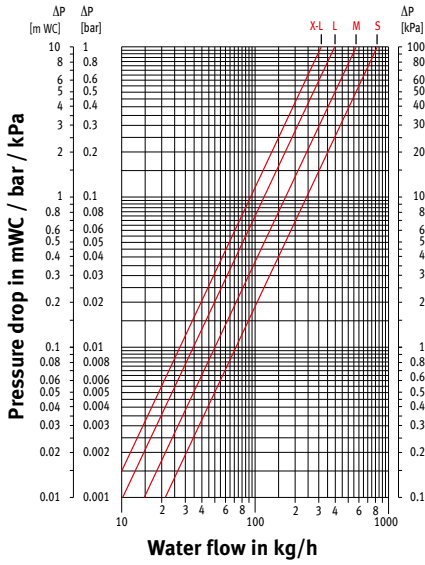


**PRESSURE DROP TYPE 21**

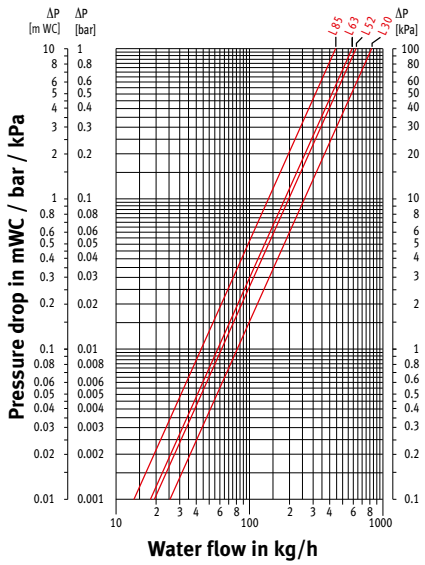


# PRESSURE DROP

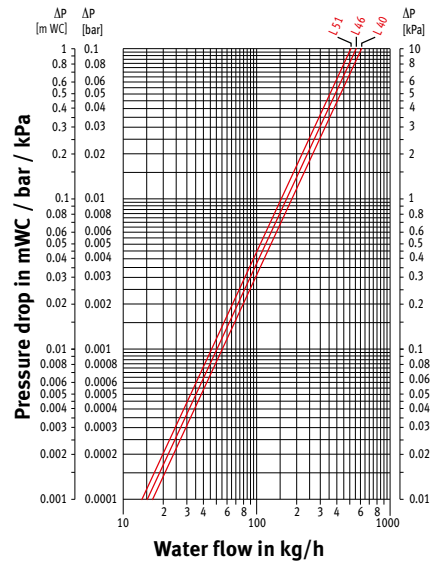
## HEATWAVE



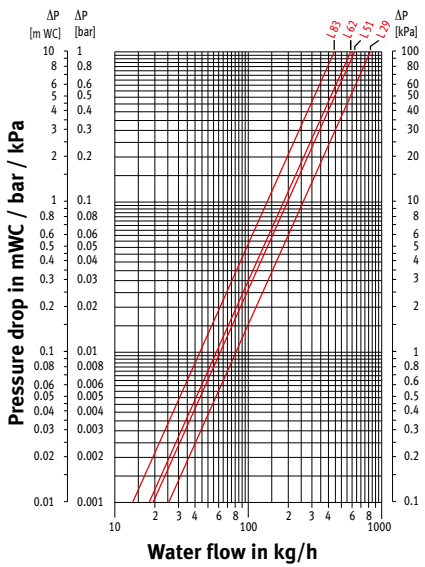
## IGUANA APLANO IGUANA APLANO PLUS



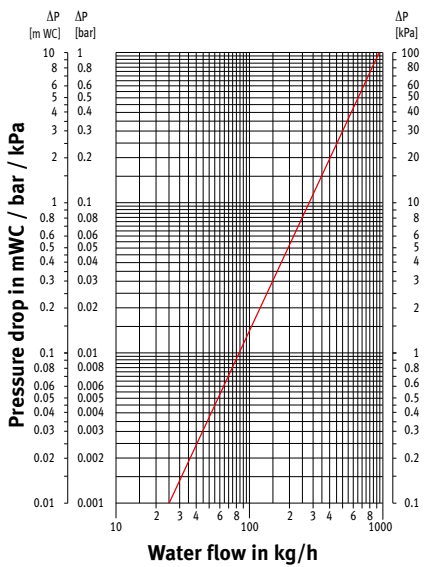
## IGUANA ANGULA PLUS



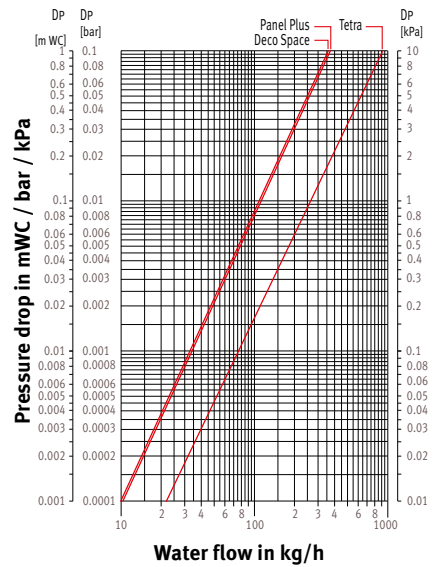
## IGUANA ARCO / VISIO IGUANA ARCO / VISIO PLUS



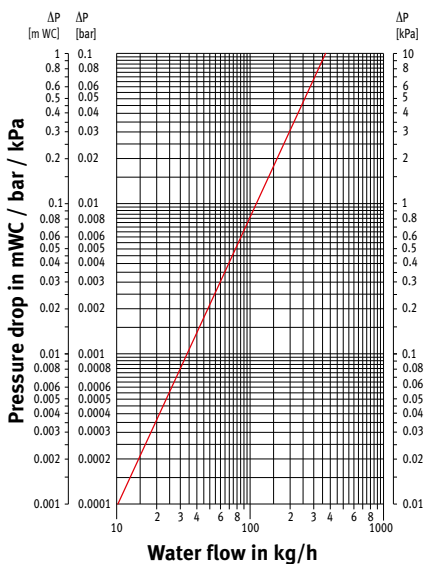
## IGUANA CORNER IGUANA CORNER PLUS



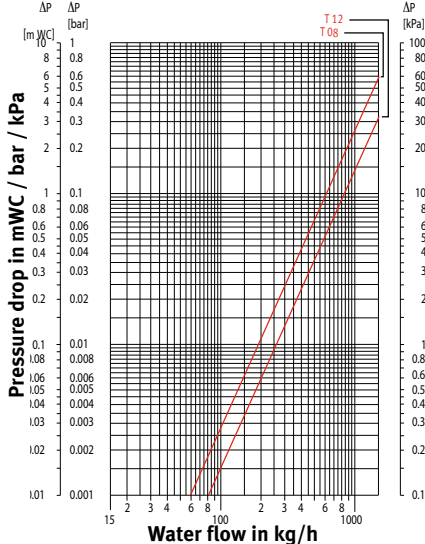
## PANEL PLUS / TETRA / DECO SPACE



## SANI RONDA / SANI BASIC



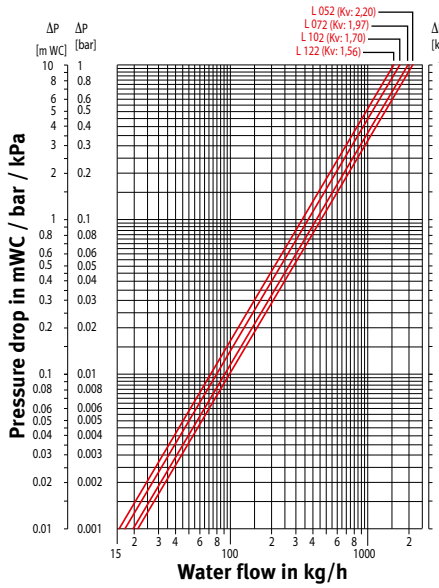
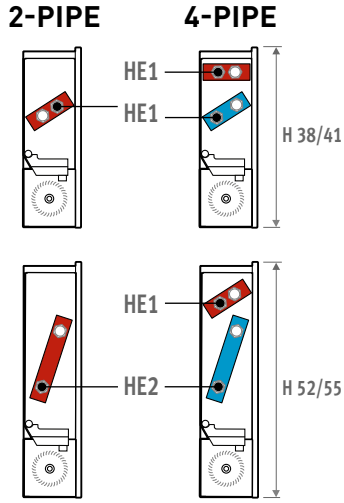
## VERTIGA



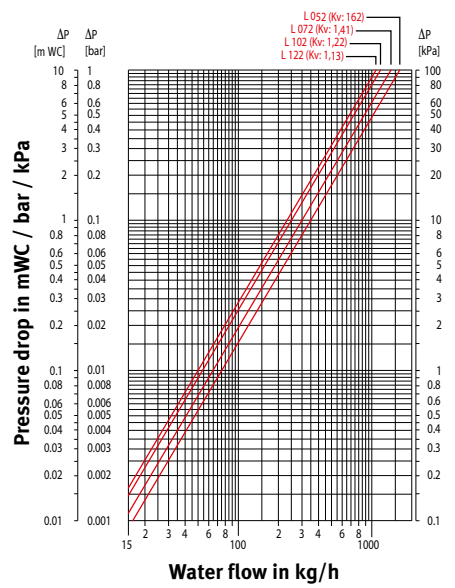


# PRESSURE DROP

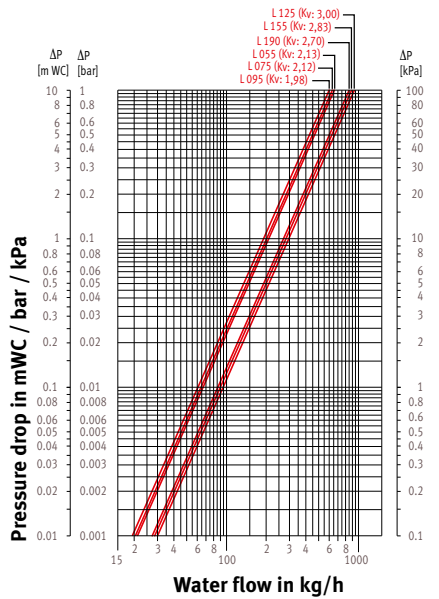
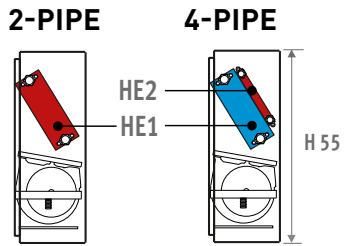
## BRIZA 12 HEAT EXCHANGER HE1



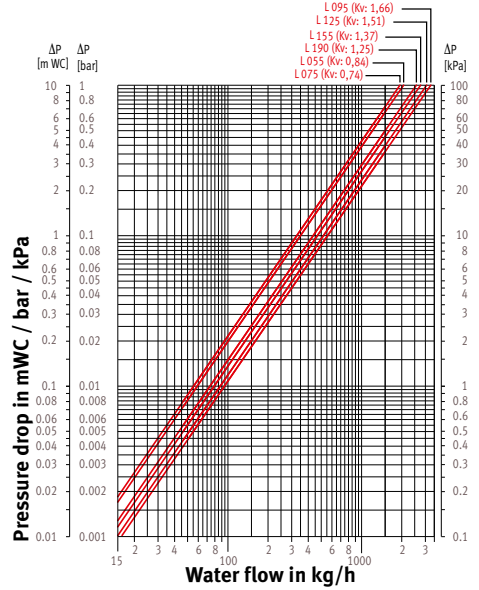
## BRIZA 12 HEAT EXCHANGER HE2



## BRIZA 22 HEAT EXCHANGER HE1

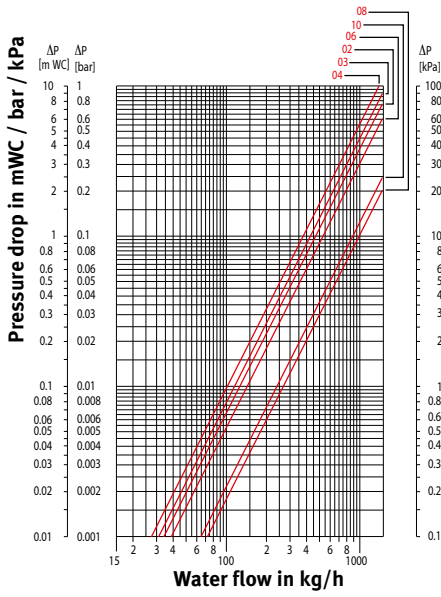


## BRIZA 22 HEAT EXCHANGER HE2

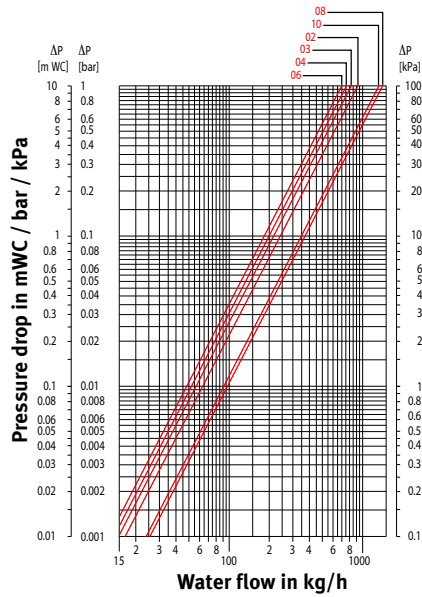


# PRESSURE DROP

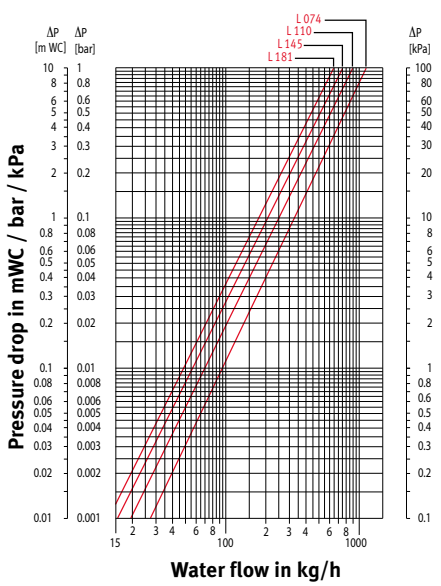
## BRISE STANDARD HEAT EXCHANGER



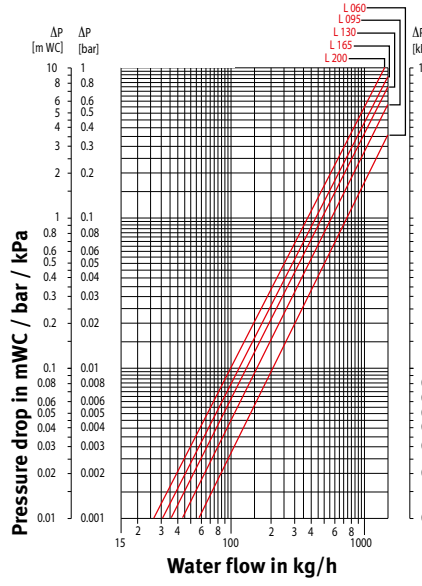
## BRISE 2° HEAT EXCHANGER B4



## FREEDOM CLIMA

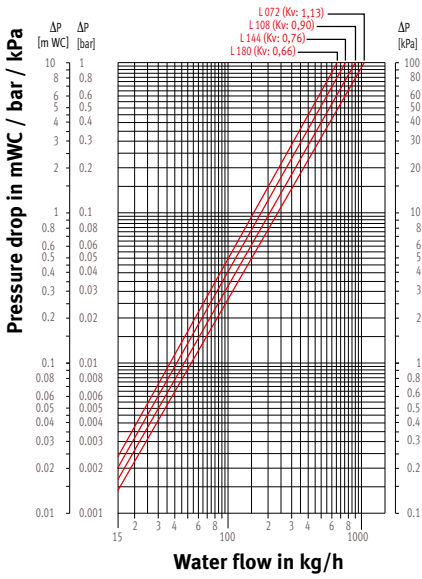


## MICRO CANAL

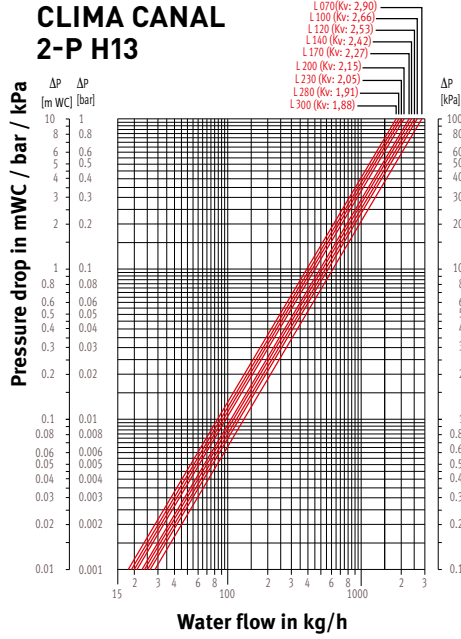


# PRESSURE DROP

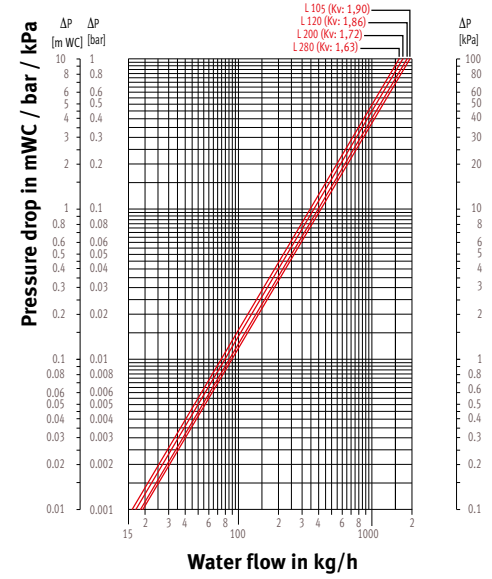
**CLIMA CANAL  
2-P H10**



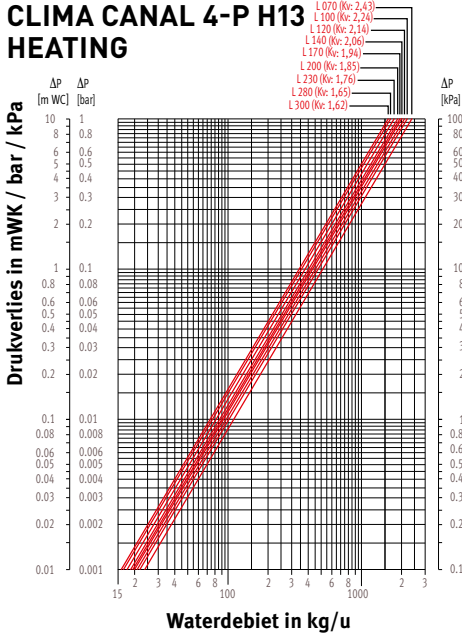
**CLIMA CANAL  
2-P H13**



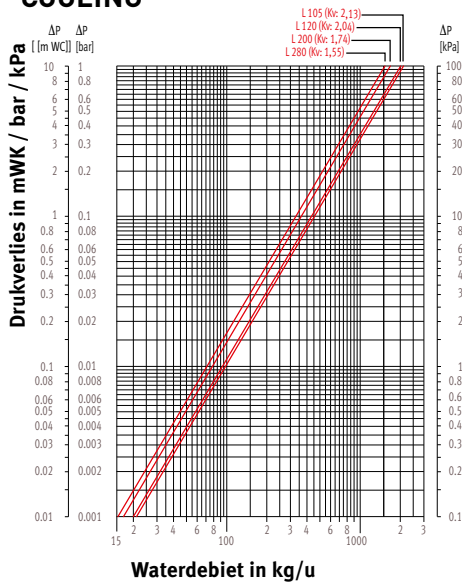
**CLIMA CANAL  
2-P H19**



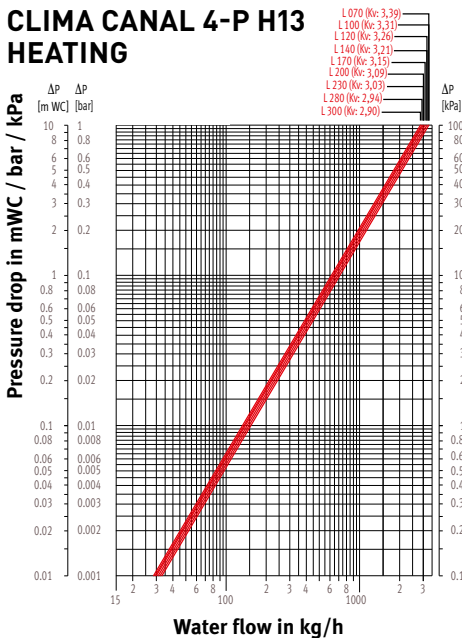
**CLIMA CANAL 4-P H13  
HEATING**



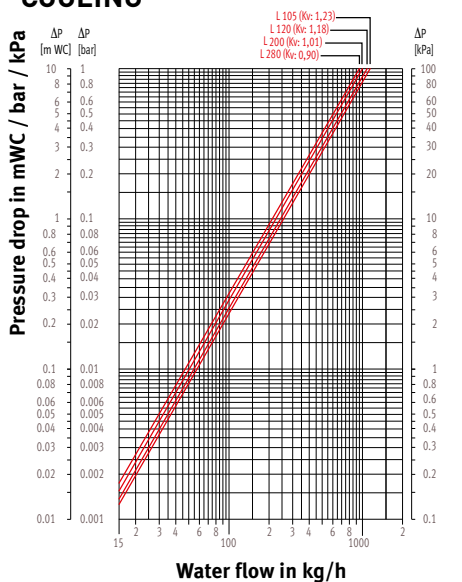
**CLIMA CANAL 4-P H19  
COOLING**



**CLIMA CANAL 4-P H13  
HEATING**



**CLIMA CANAL 4-P H19  
COOLING**



# WEIGHT IN KG/METER

## STRADA WALL MOUNTED MODEL

H	T	06	10	11	15	16	20	21
020	6.7	7.5	---	9.4	---	11.4	---	---
035	9.0	9.8	11.2	11.9	14.2	14.0	16.7	---
050	11.1	12.0	13.5	14.4	16.7	16.7	19.5	---
065	13.3	14.3	15.8	16.9	19.2	19.4	22.1	---
095	17.5	18.9	20.4	21.8	24.1	24.8	27.5	---

## LINEA PLUS WALL MOUNTED MODEL

H	T	10	11	15	16	20	21
020	5.9	---	7.0	---	8.2	---	---
035	8.2	9.7	9.5	12.0	11.0	14.3	---
050	10.6	12.1	12.1	14.6	13.8	17.1	---
065	13.0	14.4	14.7	17.2	16.7	19.9	---
095	15.4	19.1	17.0	22.4	18.8	25.6	---

## TEMPO WALL MOUNTED MODEL

H	T	10	11	15	16	20	21
020	5.4	---	6.7	---	8.3	---	---
030	6.6	8.2	8.1	10.8	9.8	13.4	---
040	7.8	9.4	9.5	12.2	11.3	14.9	---
050	9.0	10.7	10.8	13.6	12.9	16.4	---
060	10.3	11.9	12.2	14.9	14.4	17.9	---
070	11.5	13.1	13.6	16.3	15.9	19.4	---

## KNOCKONWOOD WALL MOUNTED MODEL

H	T	06	10	11	15	16
030	8.3	7.8	9.9	8.9	12.2	---
055	12.3	12.0	13.6	14.1	19.7	---
080	17.4	16.9	18.6	18.6	21.1	---

## PLAY WALL MOUNTED MODEL

H	T	10	11	15	16	20	21
035	14.2	15.6	16.9	19.4	19.7	22.6	---
050	16.4	17.8	19.4	21.9	22.5	25.4	---
065	15.3	16.7	18.8	21.3	22.3	25.2	---

## INSTALLATION INTO A WALL RECESS

H	T	10	11	15	16	20	21
020	3.9	---	5.1	---	6.2	---	---
030	4.9	6.5	6.1	8.7	7.3	10.3	---
040	5.9	7.5	7.2	9.7	8.5	11.4	---
050	6.9	8.5	8.2	10.8	9.6	12.6	---

## TEMPO FREESTANDING MODEL

H	T	10	11	15	16	20	21
020	8.2	---	9.7	---	11.2	---	---
030	10.2	11.9	11.8	14.7	13.5	17.1	---
040	12.2	13.9	14.0	16.9	15.7	19.4	---
050	14.2	15.9	16.1	19.0	18.0	21.7	---

## KNOCKONWOOD FREESTANDING MODEL

H	L	110	130	170	210
021	18.0	21.0	24.0	27.0	---

## MINI WALL MOUNTED & FREESTANDING MODEL

H	T	05	06	09	10	11	14	15	16	19	20	21
008	---	---	5.2	---	---	6.1	---	---	7.0	---	---	---
013	5.6	---	---	7.1	---	---	8.43	---	---	9.7	---	---
023	---	8.5	---	---	10.2	---	---	12.8	---	---	16.1	---
028	---	10.8	---	---	13.6	---	16.8	---	---	---	19.5	---

## MINI FREESTANDING HYBRID

H	T	11	16
028	21.0	25.0	---

## MINI CANAL

H	B	14	18	26	34	42
009	4.60	5.01	5.80	7.05	8.29	---
011	5.00	5.42	6.24	7.52	8.80	---
014	5.70	---	7.77	9.51	11.28	---
019	---	---	9.25	11.06	12.89	---

## MINI CANAL HYBRID

H	B	26	34	42
014	12.65	15.30	18.05	---

Average weight in kg/meter for Mini Canal, including frame and heat exchanger.

## GRILLES MINI CANAL & MINI CANAL HYBRID

Finish	Width					
	12.8	16.8	24.8	32.8	40.8	42.0
- Roll-up Designo merbau/merbau varnished	2.18	3.00	3.52	3.98	4.67	---
- Roll-up Designo oak/oak varnished	1.59	2.03	2.69	3.34	3.90	---
- Roll-up Designo beech/beech varnished	1.50	1.90	2.50	3.10	3.60	---
- Roll-up merbau/merbau varnished	2.15	2.70	3.03	3.35	4.05	---
- Roll-up oak/oak varnished	1.48	1.71	2.15	2.61	3.12	---
- Roll-up beech/beech varnished	1.40	1.60	2.00	2.42	2.88	---
- Roll-up alu natural/black/brown/brass	1.21	1.38	2.07	2.76	3.45	---
- Roll-up stainless steel	2.18	2.86	4.22	5.58	6.94	---
- Rigid Designo alu natural/black/brown/brass/lacquered	1.60	2.10	3.20	4.10	5.00	---
- Rigid alu natural/black/brown/brass/lacquered	1.55	2.20	2.50	3.15	3.75	---



Weight and water content without packaging or options

# WATER CONTENT IN LITRES

## WATER CONTENT HEAT EXCHANGER (IN LITRES/METRE)

Type	L/metre
04 D	0.16
05	0.32
06	0.64
07	0.51
08	0.63
09	0.32
09 D	0.31
10	0.65
11	1.33
14	0.48
14 D	0.47
15	0.98
16	1.98
19	0.63
19 D	0.66
20	1.32
21	2.66

07 = Strada type 06, height 20  
 08 = Strada type 06, all other heights  
 D = Opposite end connection

## MINI CANAL WATER CONTENT (IN LITRES/METRE)

H	B 14	18	26	34	42
009	0.16	0.32	0.32	0.48	0.66
011	0.16	0.32	0.32	0.48	0.66
014	0.32	---	0.65	0.98	1.32
019	---	---	0.65	0.98	1.32

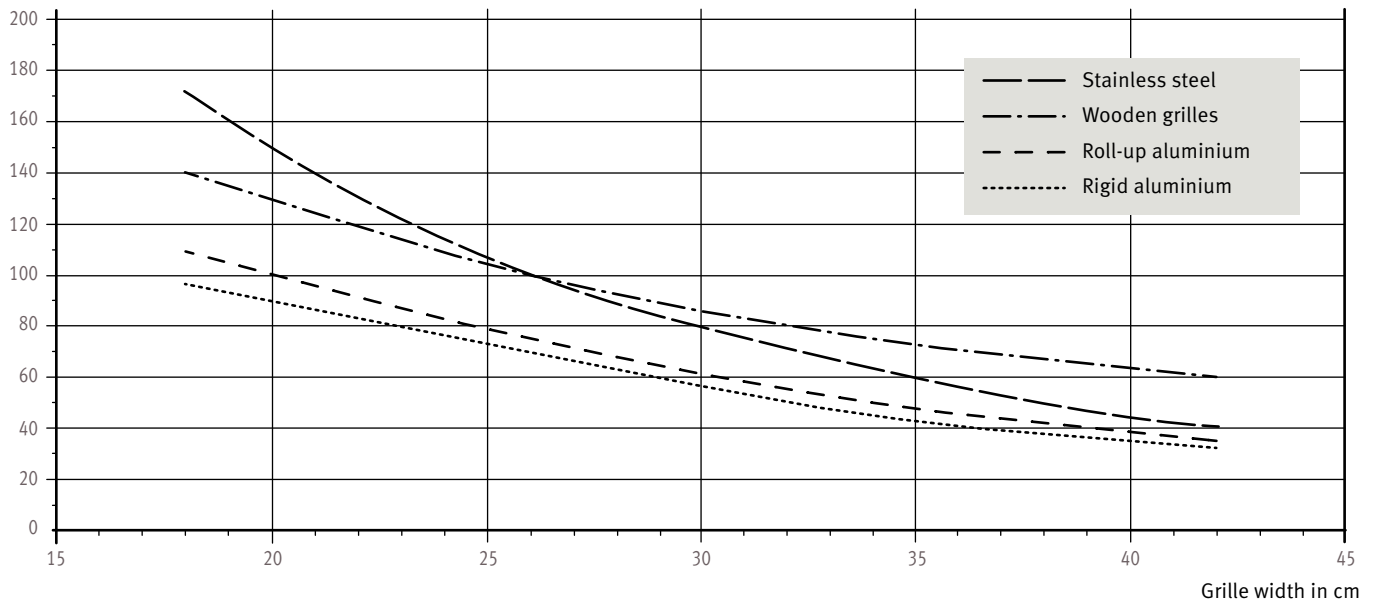
## MINI CANAL HYBRID WATER CONTENT IN LITRES

L	B 26	34	42
110	0.63	0.95	1.27
130	0.76	1.14	1.52
150	0.89	1.34	1.78
170	1.02	1.53	2.04
190	1.15	1.72	2.29
210	1.28	1.92	2.56
230	1.4	2.11	2.81
250	1.53	2.3	3.06
270	1.66	2.5	3.33
290	1.79	2.69	3.58
310	1.92	2.88	3.84

# MAXIMUM GRILLE LOADINGS

- Roll-up wood and aluminium grille: concentrated load in kg in the centre of the grille up to 2 mm deflection.
- Rigid grilles: concentrated load in the centre of the transverse section up to 2 mm deflection.

Concentrated load in kg



# WEIGHT

## PANEL PLUS HORIZONTAL - Kg/cm

H	P11	P22	P34
012	0.062	0.113	0.193
018	0.087	0.162	0.276
024	0.105	0.196	0.359
031	0.130	0.245	0.422
037	0.156	0.294	--
043	0.181	0.343	--
050	0.206	0.392	--
056	0.231	0.440	--
062	0.257	0.489	--
069	0.274	0.523	--
075	0.292	0.557	--
081	0.310	0.591	--
087	0.328	0.625	--
094	0.346	0.659	--

## HEATWAVE

Model	OS	OM	OL	XL
	12.0	24.0	48.0	60.0

## VERTIGA

	T 08			T 12			
	L	041	052	065	053	070	080
Primo	32.5	37.9	43.4	42.2	50.6	58.0	

## IGUANA CIRCO WALL

L	H	180	192	200	220	240
027	28.7	30.4	31.6	34.5	37.7	
031	33.8	35.9	37.3	40.8	44.4	
034	39.0	41.4	43.0	47.0	51.3	

## IGUANA APLANO

L	H	180	192	200	220	240
030	28.5	30.2	31.4	34.4	37.5	
041	38.8	41.2	42.8	46.8	51.1	
052	49.1	52.2	54.2	59.3	64.7	
063	59.5	63.2	65.6	71.8	78.3	
074	69.8	74.1	77.0	84.2	92.0	
085	80.1	85.1	88.4	96.7	105.6	

## IGUANA ARCO

L	H	180	192	200	220	240
029	29.0	30.7	31.9	34.9	38.1	
041	39.5	41.9	43.5	47.5	51.9	
051	50.1	53.2	55.2	60.3	65.8	
062	60.5	64.2	66.7	72.8	79.5	
073	71.1	75.4	78.3	85.5	93.4	
083	81.6	86.6	89.9	98.2	107.2	

## IGUANA VISIO

L	H	180	192	200	220	240
051	28.7	30.4	31a.6	34.5	37.7	
062	33.8	35.9	37.3	40.8	44.4	
073	39.0	41.4	43.0	47.0	51.3	

## IGUANA CIRCO CORNER

L	H	125	150	180	192	200	220	240
027	25.0	29.4	34.6	36.7	38.1	41.6	45.4	

## IGUANA ANGULA

L	H	180	192	200	220	240
040	57.7	61.0	63.4	69.2	75.3	
046	68.3	72.3	75.1	81.9	89.3	
051	78.9	83.5	86.8	94.7	103.2	

## TETRA

L	H	180	200
033	25.1	27.8	
041	30.5	33.8	
050	35.9	39.8	
058	41.4	45.8	
067	46.8	51.8	

## PANEL PLUS VERTICAL - Kg/cm

H	180	200	220	240	260	280	300
	0.613	0.675	0.737	0.800	0.862	0.924	1.986

## DECO SPACE - Kg/cm

	H	180	192	200	220	240	260
Single	0.74	0.79	0.82	0.89	0.97	1.04	
Double	1.46	1.55	1.61	1.76	1.91	2.06	

## SANI RONDA

L	H	063	093	122	137	175	205
040	4.5	7.5	10.0	11.5	14.3	16.2	
050	5.4	8.6	11.6	12.8	16.7	19.7	
060	6.1	9.7	13.3	14.6	19.0	22.5	
070	6.8	10.9	14.9	16.5	21.4	25.4	
080	7.5	12.1	16.6	18.4	23.8	28.2	
100	9.0	14.5	19.9	22.9	28.5	33.9	

## SANI BASIC

L	H	094	132	170	198
050	7.7	10.8	13.9	--	
060	8.9	12.4	16.0	18.9	
075	10.6	14.9	19.1	22.6	



Weight and water content without packaging or options

# WATER CONTENT IN LITRES

## PANEL PLUS HORIZONTAL - Liter/cm

H	P11	P22	P34
012	0.014	0.021	0.034
018	0.021	0.032	0.052
024	0.024	0.044	0.051
031	0.030	0.055	0.064
037	0.036	0.066	--
043	0.042	0.078	--
050	0.048	0.089	--
056	0.054	0.100	--
062	0.060	0.111	--
069	0.066	0.122	--
075	0.072	0.133	--
081	0.078	0.145	--
087	0.084	0.156	--
094	0.090	0.167	--

## HEATWAVE

Model	OS	OM	OL	XL
	0.40	0.78	1.57	2.36

## VERTIGA

	T 08			T 12		
	L 041	052	065	053	070	080
Primo	1.4	1.4	1.4	2.4	2.4	2.4

## IGUANA CIRCO WALL

L	H 180	192	200	220	240
027	9.6	10.2	10.6	11.7	12.8
031	11.3	12.1	12.6	13.8	15.1
034	13.1	13.9	14.5	16.0	17.4

## IGUANA APLANO

L	H 180	192	200	220	240
030	9.6	10.2	10.6	11.7	12.8
041	13.1	13.9	14.5	16.0	17.4
052	16.6	17.7	18.4	20.2	22.1
063	20.0	21.4	22.3	24.5	26.7
074	23.5	25.1	26.1	28.8	31.4
085	27.0	28.8	30.0	33.0	36.0

## IGUANA ARCO

L	H 180	192	200	220	240
029	9.6	10.2	10.6	11.7	12.8
041	13.1	13.9	14.5	16.0	17.4
051	16.6	17.7	18.4	20.2	22.1
062	20.0	21.4	22.3	24.5	26.7
073	23.5	25.1	26.1	28.8	31.4
083	27.0	28.8	30.0	33.0	36.0

## IGUANA VISIO

L	H 180	192	200	220	240
051	10.2	10.8	11.2	12.3	13.4
062	12.0	12.8	13.3	14.6	15.8
073	13.9	14.8	15.4	16.8	18.3

## IGUANA CIRCO CORNER

L	H 125	150	180	192	200	220	240
027	8.6	10.2	12.0	12.8	13.3	14.6	15.8

## IGUANA ANGULA

L	H 180	192	200	220	240
040	19.4	20.7	20.7	22.7	24.8
046	21.8	23.3	24.3	26.6	29.1
051	24.9	26.7	27.8	30.5	33.4

## TETRA

L	H 180	200
033	15.10	24.10
041	18.80	30.10
050	22.60	36.10
058	26.40	42.10
067	30.10	48.10

## PANEL PLUS VERTICAL - Liter/cm

H 180	200	220	240	260	280	300
0.139	0.152	0.164	0.176	0.188	0.201	0.213

## DECO SPACE - Liter/cm

	H 180	192	200	220	240	260
Single	0.21	0.23	0.24	0.26	0.28	0.30
Double	0.43	0.45	0.47	0.51	0.55	0.59

## SANI RONDA

L	H 063	093	122	137	175	205
040	2.4	4.0	5.7	6.5	8.3	10.0
050	2.7	4.6	6.5	7.5	7.5	11.4
060	3.1	5.2	7.3	8.4	10.7	12.8
070	3.5	5.8	8.2	9.4	11.9	14.3
080	3.8	6.4	9.0	10.3	13.1	15.7
100	4.2	7.0	9.9	11.3	14.3	17.1

## SANI BASIC

L	H 094	132	170	198
050	3.7	5.2	6.7	--
060	4.2	5.9	7.6	9.0
075	4.9	6.9	8.9	10.6



Weight and water content without packaging or options

# WEIGHT IN KG/METER

# WATER CONTENT IN LITRES

BRIZA								
L	With casing				Built-in			
	H 041		H 055		H 038		H 052	
	2-pipe	4-pipe	2-pipe	4-pipe	2-pipe	4-pipe	2-pipe	4-pipe
052/075	16.0	17.0	18.0	19.0	7.0	8.0	8.0	9.0
072/095	20.3	21.3	23.0	24.0	9.0	10.0	10.0	11.0
102/125	27.5	29.0	30.0	31.5	13.0	14.5	14.0	15.5
122/145	31.9	33.9	34.0	36.0	14.0	16.0	15.0	17.0

BRIZA 22		
L	H 055	
	2-pipe	4-pipe
055	17.0	18.0
075	21.5	22.8
095	27.0	28.6
125	35.5	37.5
155	44.0	46.2

BRISE							
	Type	02	03	04	06	08	10
BRIW		18	19	24	26	38	50
BRIC		18	19	24	26	38	50
BRBW		14	14.5	15	20.5	33	43.5
BRBC		14.5	15	20	22	33	43.5
Second heat exchanger B4							
		1.4	2.0	2.0	2.6	2.8	

FREEDOM CLIMA	
L	
074	11.5
110	16.7
145	20.7
181	26.7

MICRO CANAL	
L	
060	6.7
095	10.0
130	13.5
165	17.0
200	20.4

CLIMA CANAL 2-pipe				
	H 008	010	013	019
070	-	-	14.4	-
072	6.4	7.8	-	-
100	-	-	21.6	-
105	-	-	-	25.0
108	10.1	12.5	-	-
120	-	-	26.5	28.5
140	-	-	31.5	-
144	14.4	17.9	-	-
170	-	-	38.6	-
180	18.8	23.9	-	-
200	-	-	45.8	49.9
230	-	-	52.9	-
280	-	-	65.0	70.9

CLIMA CANAL 4-pipe				
	H 008	010	013	019
070	-	-	14.4	-
072	-	-	-	-
100	-	-	21.6	-
105	-	-	-	25.0
108	-	-	-	-
120	-	-	26.5	28.5
140	-	-	31.5	-
144	-	-	-	-
170	-	-	38.6	-
180	-	-	-	-
200	-	-	45.8	49.9
230	-	-	52.9	-
280	-	-	65.0	70.9

BRIZA				
L	H 038 / 041		H 052 / 055	
	2-pipe	4-pipe	2-pipe	4-pipe
	052/072	0.166	0.332	0.332
072/092	0.270	0.540	0.540	0.810
105/125	0.433	0.866	0.866	1.299
125/145	0.539	1.078	1.078	1.617

BRIZA 22		
L	H 055	
	2-pipe	4-pipe
055	1.23	0.31
075	1.77	0.42
095	2.23	0.53
125	3.14	0.69
155	4.05	0.85


BRISE							
	Type	02	03	04	06	08	10
Standard heat exchanger							
		0.66	0.86	1.34	1.96	3.75	4.03
Second heat exchanger B4							
		0.21	0.27	0.44	0.65	1.24	1.34


FREEDOM CLIMA	
L	
074	0.12
110	0.28
145	0.44
181	0.60

MICRO CANAL	
L	
060	0.089
095	0.178
130	0.267
165	0.356
200	0.445

CLIMA CANAL 2-pipe				
	H 008	010	013	019
070	-	-	0.60	-
072	0.120	0.120	-	-
100	-	-	0.98	-
105	-	-	-	1.07
108	0.279	0.279	-	-
120	-	-	1.23	1.26
140	-	-	1.48	-
144	0.439	0.439	-	-
170	-	-	1.86	-
180	0.598	0.598	-	-
200	-	-	2.24	2.26
230	-	-	2.61	-
280	-	-	3.24	3.27

CLIMA CANAL 4-pipe				
	H 008	010	013	019
070	-	-	0.60	-
072	-	-	-	-
100	-	-	0.98	-
105	-	-	-	1.07
108	-	-	-	-
120	-	-	1.23	1.26
140	-	-	1.48	-
144	-	-	-	-
170	-	-	1.86	-
180	-	-	-	-
200	-	-	2.24	2.26
230	-	-	2.61	-
280	-	-	3.24	3.27

 Weight and water content without packaging or options

 Weight and water content without packaging or options

Additional technical specifications: see [www.jaga.com](http://www.jaga.com)

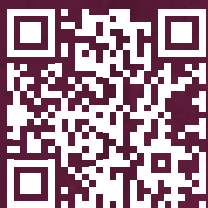


## RECOMMENDED MAXIMUM WATER FLOW DEPENDING ON THE PIPE DIAMETER AT A MAX. WATER FLOW OF 0.4 M / S

Tube	Outer Ø	Wall thickness	Maximum flow	Maximum power at ΔT (° C) (T supply - T return))				
				ΔT 2	ΔT 5	ΔT 10	ΔT 20	ΔT 30
				Watts	Watts	Watts	Watts	Watts
	mm	mm	kg/h					
10/1	10.0	1.0	72	168	421	841	1682	2524
12/1	12.0	1.0	113	263	657	1314	2629	3943
12/2	12.0	2.0	72	168	421	841	1682	2524
14/1	14.0	1.0	163	379	946	1893	3785	5678
14/2	14.0	2.0	113	263	657	1314	2629	3943
15/1	15.0	1.0	191	444	1111	2221	4443	6664
16/1	16.0	1.0	222	515	1288	2576	5152	7729
16/1.5	16.0	1.5	191	444	1111	2221	4443	6664
16/2	16.0	2.0	163	379	946	1893	3785	5678
16/2.2	16.0	2.2	152	354	884	1769	3537	5306
17/2	17.0	2.0	191	444	1111	2221	4443	6664
3/8"	17.1	3.2	129	301	752	1505	3010	4515
18/1	18.0	1.0	289	673	1682	3365	6730	10095
18/2	18.0	2.0	222	515	1288	2576	5152	7729
20/2	20.0	2.0	289	673	1682	3365	6730	10095
1/2"	21.3	3.7	217	504	1259	2518	5035	7553
26/3	26.0	3.0	452	1052	2629	5258	10515	15773

**jaga**

CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

# PROJECTS

## WE DESIGN TO MEASURE.

Jaga designs the most energy-efficient and aesthetic solutions for heating, cooling and ventilation. Perfectly integrated solutions according to the wishes of the architect and the client and according to your project's needs and specifications. This way we can ensure that you do not have to limit your creativity due to the HVAC requirements. In the Jaga Experience Lab, a unique EN 442 and EN 16430 certified climate laboratory, we can simulate and test any customized solution and climate situation at an outside temperature of up to -30°C. By doing so we are certain that our custom work actually works!

## THE MOST ECOLOGICAL SYSTEMS

Jaga is a pioneer in ecological Low-H<sub>2</sub>O coils for low water temperatures and dynamic systems. This both for heating and for passive and active cooling systems. Jaga has already been able to contribute to numerous leading ecological BREEAM, LEED or DGNB certified buildings.

Our solutions can also be an important building block in your pursuit of a better environmental score

## FOR EVERY BUILDING

Jaga's project solutions can be found in the tallest and largest buildings in the world, but also in a small school or a residential complex. Jaga is a specialist in compact systems for every building where the climate is one of the top priorities

## PROJECTS • COMMERCIAL



Poste du Louvre - France - Clima Canal



Roots - Belgium - Installation in a wall recess



Willis Tower - USA - Clima Canal



The Grand Mark Hotel - Czech Republic - Strada



Höfdatorg - Iceland - Clima Canal



BMW Langley - Canada - Mini Canal



Nike Distributiecentrum - Belgium - AVS Unit heater

## PROJECTS • HEALTHCARE



Blood Center - Poland - Strada



WZC Vinkenbosch - Belgium - Strada & Oxygen



AZ Groeninge - Belgium - Installation in a wall recess



UZ Leuven - Belgium - Strada



WZC Clarenhof - Belgium - Mini Canal



Royal Hospital - United Kingdom - Tempo DBE



Kinderpsychiatrisch Centrum - Belgium - Mini Canal DBE

## PROJECTS • OFFICES



De Rotterdam - The Netherlands - Mini Canal



KPMG Headquarters Luxembourg - Mini Canal



Flame Towers - Azerbaijan - Mini Canal



Rivergate - Austria - Linea Plus Vrijstaand



Axel Springer - Germany - Mini Canal Pro



Thyssen Krupp - Germany - Mini Canal



The Bridge - The Netherlands - Mini Canal

# PROJECTS • OFFICES



Tour Eqho - France - Clima Canal



Bonner Bogen - Germany - Clima Canal 4-pipe



Sky Tower - Romania - Mini Canal Special & Tempo



AGC Glass Europe - Belgium - Clima Canal



Facebook Park Tower - USA - Briza



Statoil HQ - Norway - Mini Canal



Kuningsbrohuset - Sweden - Mini Freestanding & Strada

## PROJECTS • PUBLIC SPACE



NAC Hasselt - Belgium - Briza Special



Opera House - Norway - Mini Canal



Atomium - Belgium - Iguana



Gerechtsgebouw De Hazelaar - Belgium - Tempo Sur pieds



Université de Jussieu - France - Clima Canal



Provinciehuis Antwerpen - Belgium - Mini Canal



University of Washington - USA - Installation in a wall recess



# PROJECTS • RESIDENTIAL



Zilart - Russia - Mini Canal



Les jardins de la Source - Belgium - Strada



The 7 - Germany - Clima Canal



Private residence - Italy - Briza



Skypark - Slovakia - Mini Canal



V-Tower - Czech Republic - Mini Freestanding & Strada



Madison Apartments - Poland - Clima Canal



**jaga** CLIMATE DESIGNERS



More products or info  
see [www.jaga.com](http://www.jaga.com)

A close-up photograph of a lavender field. The flowers are in various stages of bloom, with some showing vibrant purple and others as buds. A bee is captured in flight on the left side of the frame. The background is softly blurred, creating a sense of depth. The overall color palette is dominated by shades of purple and green, with a warm, golden light filtering through the scene.

HOW WE BECAME  
CLIMATE DESIGNERS

**TABOE**

The first radiator with collectors in the centre opened up a whole new spectrum of designs and applications. Invented by Jaga, copied by many!

**BIRTH OF JAGA**

Jan and Gaston Kriekels, central heating installers, started developing their own radiators out of a dissatisfaction with existing solutions.

**DECO HEATERS**

A new type of vertical radiators sees the light. The radiator was launched with an artistic photo shoot in the caves of Kanne.

**LINEA PLUS**

Linea Plus introduces a new design in the world of radiators. With a flat front panel and innovative perforated top

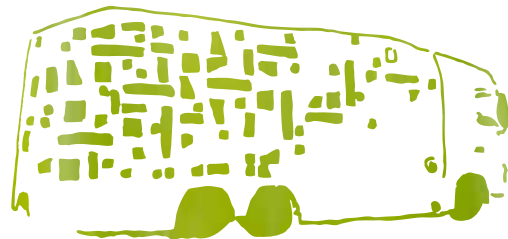
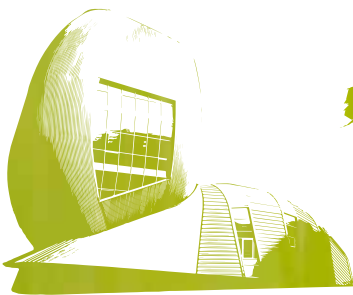
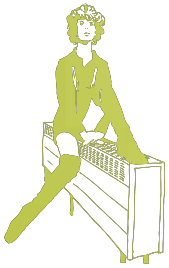
**IGUANA**

Launch of Jaga's most successful Deco radiators. Frequent winner of design awards. Based on a child's drawing of a radiant sun.

**FRANK GEHRY BUILDING**

Jaga opens PPC: renewed Product Presentation centre in the Frank Gehry buildings in Düsseldorf.

**1962**      **1985**  
**1987**      **1989**      **1998**      **2003**



**2007**

**2007**

**2009**

**2010**

**LIVING TOMORROW**

Jaga selected as a partner for the home of the future, both in Vilvoorde as well as in Amsterdam.

**JAGA PRODUCT DAYS**

Partners from 24 countries collaborate in thinking about Jaga products for the future.

**JAGA WORLD TOUR EXPERIENCE TRUCK**

Presentation of Jaga values and climate solutions. In 2011, Jaga had already covered 42 countries across different continents.

**RUBBISH**

Jaga's rubbish exhibition made from production waste. Waste upgraded to a functional, modular and aesthetic exhibition system, still in use in 2012!

**"JAGA HAS A CULTURE THAT DOES NOT SEEK STOCK EXCHANGE LISTINGS OR SHORT-TERM PROFIT, BUT PLACES FAIR TRADE AND ECOLOGY AT THE TOP OF ITS LIST."**

**DYNAMIC BOOST EFFECT**

Dynamic Boost Effect doubles the heat output. Less radiator, more heat. DBE party to launch this low water-temperature radiator.

**JAGA EXPERIENCE LAB**

A unique climate laboratory for open innovation starts to operate. A knowledge centre and test laboratory where everyone is welcome.

**BURNING MAN**

The Uchronia Community builds the greatest work of art ever at the Burning Man Art Festival in the Nevada desert.

**HEATWAVE**

Playful curves out of a concrete shell. Designed by Jaga & Joris Laarman.

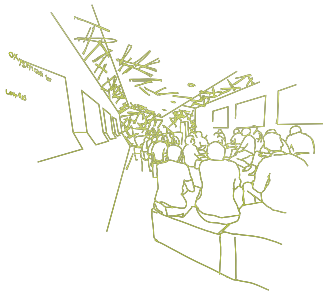
**THE CHOCOLATE EXPERIENCE**

Heatwave launch with chocolate heaters at the design fair in Milan 2007.

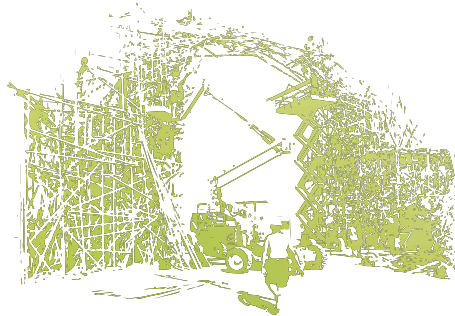
**2005**



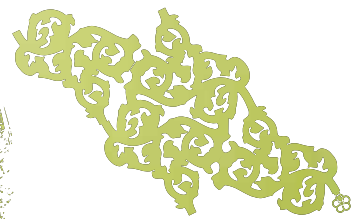
**2005**



**2006**



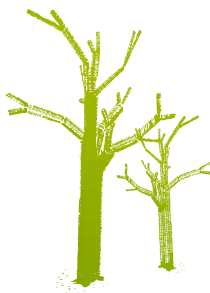
**2007**



**2011**

**VERTIGA**

Vertiga is the first combination of Energy Savers, Eyecatchers and Top Performers. A brand new design heater for extremely low water temperatures.



**2011**

**WORLD CREATIVITY FORUM**

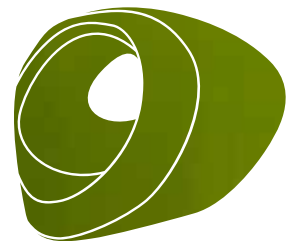
From rubbish to eco design. Heat-exchanger trees made from recovered aluminium symbolise the new life of this material.



**2018**

**AMAZON SPHERES**

Jaga elected as climate partner for the Amazon spheres.



**FUTURE**

**MOBY**

Modular Oxygen Bubble. Climate and multimedia cabin. A comfort zone as protection against air and noise pollution.

# GUARANTEE

- The guarantee is valid only if the equipment is properly and correctly used, by its first owner and if installed in accordance with the norms and instructions as stipulated in the instruction leaflet and the current practices.
- The guarantee only applies to the equipment and the spare parts. Jaga has the choice between repair and replacement of the equipment or the spare parts. If there has been a change in the model, Jaga is authorised to replace the guaranteed equipment with an equivalent equipment or equivalent spare parts. In those cases where the guarantee claim is accepted, during the first six months after the start of the guarantee, Jaga gives an extra guarantee on agreed replacement and transport costs.
- The period of guarantee is mentioned in this certificate. A repair or replacement does not change anything to the original period of guarantee.
- No guarantee is granted on equipment or spare parts lacking information concerning type or series, or on equipment where this information has been removed or altered, or on equipment that has been repaired or modified by persons not authorized by Jaga.
- The customer is responsible for the damage in the cases where the damage is due to errors of placement, fittings, electrical connections, faulty or damaged electrical installations or appliances, erroneous voltage or hydraulic pressure and all other errors not related to the product delivered by Jaga. The guarantee is also revoked when non-suited parts are applied. The guarantee for our heat exchangers is not valid if they are emptied at set times or during a certain period, or if they are heated by means of industrial water, steam or water saturated by great quantities of oxygen. The quality of the system water has to be in accordance with the VDI 2035-2 directives. The buyer will make every effort to prevent damage to the device by avoiding both dust and moisture. This means that the customer has to cover the device in case of further construction works in order to ensure that the devices remain dust-free. The guarantee is also revoked when the heat exchangers are placed in aggressive atmospheric surroundings (ammonia, caustic substances). Lacquered radiators should not be used in the following areas: above a bath with a built-in shower unit, in a shower cubical or next to it, in a swimming pool (chlorine) or in a sauna
- Jaga does not give a guarantee on faulty equipment due to incorrect handling and/or use of the equipment, the dropping of the equipment or the transport without the necessary precautions, or for all equipment that is built in, in a way that it cannot be reached normally.
- In all cases where the guarantee is granted but where the intervention occurs later than 6 months after the start of the guarantee, and in all other cases, labour and transportation costs are calculated according to scales set by Jaga. Customers can get information on those scales either from our sales administration personnel, or from the maintenance engineer.
- All interventions not covered by the guarantee have to be paid in cash to the maintenance engineer.
- The guarantee starts on the date of the invoice. If the invoice is not available, the serial number or the date of production prevails.
- Only the courts of judicial district Hasselt (Belgium) are authorised to deal with disputes arising from this guarantee. It will apply Belgian law even when sales involved are subjects of EU member states as well as non-EU member countries.



## DURATION OF THE WARRANTIES

Type equipment	Low-H <sub>2</sub> O Heat exchanger	Electric spare parts	Other spare parts
Knockonwood / Strada / Linea Plus / Tempo / Mini / Play / Installation in a wall recess / Mini Canal	30 years	---	10 years
Strada Hybrid / Installation in a wall recess Hybrid / Knockonwood DBE / Mini Freestanding Hybrid / Mini Canal Hybrid	30 years	2 years	10 years
DBH unit / Electric element	---	2 years	---
Sani Electric	---	2 years	5 years
Valves for Low-H <sub>2</sub> O heat exchangers / Jaga Deco valves	---	---	3 years
Clima Canal / Micro Canal / Brise / Briza / Vertiga Hybrid/ Freedom Clima	5 years	2 years	10 years
AVS Unit heater	5 years	2 years	5 years
Iguana / Sani Basic / Deco Space / Panel Plus / Tetra / Heatwave	---	---	10 years
Towel rail	---	---	5 years

# CONDITIONS OF SALE

## General

All quotations, order confirmations, purchase orders, invoices and other documents issued by Jaga N.V. and agreements entered into with Jaga N.V. shall be subject to these General Terms and Conditions of Sales and Delivery.

These can be found on the Jaga N.V. website: [www.jaga.com](http://www.jaga.com).

The customer shall be deemed to have accepted the present General Terms and Conditions of Sales and Delivery by the mere fact of placing his order. General Terms and Conditions of the customer, under whatever name known, that deviate from these General Terms and Conditions of Sales and Delivery of Jaga N.V., shall not be applicable and cannot be used against Jaga N.V., unless Jaga N.V. has expressly accepted the same in writing prior to entering into any contract.

Subjects that have not been described in these terms and conditions shall be governed by generally accepted rules of Belgian law.

## Orders

An order shall only be deemed to have been accepted if confirmed by Jaga N.V. by letter, fax or e-mail or any other form.

The order confirmation shall determine the content of the agreement between the parties, unless the customer notifies inaccuracies if any in the same within 24 hours after receipt of the order confirmation, and implements corrections in the same. This also applies with respect to the acceptance of the present General Terms and Conditions of Sales. The order confirmation thus corrected and returned by Jaga N.V. shall then determine the content of the agreement between the parties.

Once an order has been accepted by us it cannot be cancelled without our written approval. Deals made are personal and may only be transferred by mutual agreement. The customer may only modify or cancel an order of a standard item provided the buyer accepts all the costs arising from this modification/cancellation.

Sums between 10% and 100% of the value of the goods will be charged in addition to the normal price for all goods cancelled. An order placed by the customer for custom work or a nonstandard colour cannot be cancelled or modified.

## Delivery times

Delivery times given are indicative. Unless otherwise agreed in writing, Jaga N.V. may not be held responsible or found guilty of breach of contract if there is a delay in delivery. Nor may Jaga N.V. be held liable if it is unable to fulfil its obligations in respect of the delivery of goods or services if the non-delivery is the result of circumstances beyond the direct control of Jaga N.V. Wars, strikes, lockouts, bad weather and all causes which prevent the receipt of raw materials, fuels and other energy or hinder the normal production or shipment of goods and in general all causes beyond our control will be considered at least, although not exclusively, as force majeure and shall discharge Jaga N.V. from any liability, even if it was agreed that the delivery times are binding. These circumstances may not be invoked by the buyer in order to claim compensation. In all these cases Jaga N.V. reserves the right to postpone delivery or even to terminate the contract.

## The price

Unless stated otherwise, all our prices exclude VAT. The products shall be invoiced at prices and exchange rates, as stated and accepted in the order confirmation, together with transportation costs if applicable (see below).

## The payment

The invoices are payable 50% before production and 50% before shipment, without any deduction of discount, unless otherwise stated in writing on the invoice. When the goods are delivered in two or more parts, then each one will be invoiced separately and

has to be paid separately. From their due date all unpaid invoices will be increased, by law and without formal notice, by an interest based on the reference interest increased with an additional 7 percent and rounded-up to the nearest half a percentage point (art. 5, Act 02/08/2002). In addition, all unpaid invoices will be increased, by law and without formal notice, by a fixed compensation of 10% of the due amount on the invoice, except when the real collection charges - including the costs for legal assistance - should be higher (art. 6, Act 02/08/2002). The default of payment at the expiry date gives the vendor also the right to cancel the current agreement in total. This is applicable to the goods which still have to be delivered as well as the goods already delivered. No complaint of any kind whatsoever will release the buyer from the obligation to respect the expiry/due dates, even if the complaint has been considered by us and is valid. The buyer binds himself to respect these expiry dates, even in case of complaint.

## Reservation of Title

Title to product supplied by Jaga N.V. will only be transferred to the buyer when the buyer has paid the indebted purchase price in full. The buyer does not have the right to transfer title to the goods, which remain the property of Jaga N.V. until payment in full is received by Jaga N.V., to a third party without the express written permission of the Jaga N.V.

## Product modifications

We reserve the right to modify our products to a limited degree (slight modifications) and at any time after being ordered by the customer in order to bring about improvements that will be to the benefit of the customer. Even in instances of sale by sample, Jaga N.V. is not bound to deliver an absolutely identical model.

## Delivery risk

Notwithstanding the Reservation of Title above, all risks to which goods supplied by Jaga N.V. may be exposed shall be borne by the buyer as soon as the goods have been delivered to him. The goods shall be inspected by Jaga N.V. and/or its agents and placed in transport in perfect condition. Our haulier is responsible for any damage caused during transport and delivery. Notification by the purchaser of any damaged goods must immediately be indicated on the delivery note, or via e-mail to [export@jaga.be](mailto:export@jaga.be), or by fax: +32 11 29 41 60, or by letter to Jaga N.V.'s registered address, within forty-eight hours of delivery. This notification will be deemed to have been received only if acknowledged in writing or by e-mail by Jaga N.V.

## Postponed deliveries

If delivery of any goods is postponed by the purchaser after an order has been received and acknowledged by Jaga N.V., Jaga N.V. reserves the right after a period of three months from the date of the order acknowledgement to invoice in full for the goods ordered by the purchaser, or to cancel the sale agreement. Jaga N.V. retains the right to cancel the sale agreement without formal notice and without prejudice to the right to claim damages and/or interest from the purchaser.

## Complaints

The customer should lodge complaints concerning the invoice and/or the related delivery to Jaga N.V. in writing, within 8 days of the invoice date, or after the delivery. Any complaints relating to hidden defects should be immediately notified in writing to Jaga N.V. after discovery of the same by the customer. Such written notification must be accompanied by the order or invoice number and date, along with a clear description of the complaint, preferably accompanied by photographs.

## Returns

Correctly executed orders may not be returned to Jaga N.V. Returns may only be accepted by prior agree-

ment and with the express written authorisation of our commercial department. When requesting a return, the order or invoice number- and date must always be quoted. Jaga N.V. shall only consider a refund if the goods are returned undamaged, in the original packaging and suitable for re-sale. The seller shall always be entitled to charge transport, handling and administrative costs.

## Warranty

The warranty given by Jaga N.V. differs from product to product. The details and duration of the warranties are given in the various catalogues and on our website: [www.jaga.com](http://www.jaga.com). In the event of an onward sale the buyer undertakes to make our general and specific warranty conditions available to his own customer. In any event the buyer shall agree to protect us from any consequences of claims which may be made against us by his customer and which may exceed the limits of the claims which the buyer himself could have made against us.

The guarantee for radiators shall expire in all instances in which the same are placed in a swimming pool (chlorine smell), a sauna, shower or above a bathtub with shower facility.

## Disputes

The present transaction shall be governed by Belgian law. The courts of the district of Hasselt, Belgium will have the jurisdiction to settle the disputes which could arise in between Jaga N.V. and its customers. In case Jaga N.V. holds it necessary, Jaga N.V. will sue its customers at the tribunals of their domicile or at the place in Belgium or abroad where their main establishment is.

## Deviations

Any individual agreement to amend these terms and conditions must be confirmed by Jaga N.V. in writing and is applicable only to the transactions referred to in that written correspondence.

# JAGA MATERIALS

## KNOCKONWOOD WOOD FINISHES



700 Oak natural



720 Beech natural



760 Maple natural



740 Zebrano natural



701 Oak bleached



721 Beech bleached



710 Mahogany



702 Oak wenge-coloured



780 Walnut

## PLAY

### Category 1



WHI Play White

### Category 2



BLA Play Black



PIA Play Piano



BOY Play4Boy



GIR Play4Girl

## HEATWAVE



623 Matt black



628 Light grey



# STANDARD COLOUR(S) BY RADIATOR

traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch

## HEATING

	traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch
<b>Strada</b>	●				●	●
<b>Linea Plus</b>	●				●	●
<b>Tempo</b>				●		
<b>Mini Wand</b>	●				●	●
<b>Mini Freestanding</b>	●				●	●
<b>Tempo Freestanding</b>				●		
<b>Linea Plus Freestanding</b>	●				●	●
<b>Panel Plus Horizontal</b>			●		●	●
<b>Panel Plus Freestanding</b>			●		●	●
<b>Iguana Circo Wall</b>			●		●	●
<b>Iguana Aplano</b>			●		●	●
<b>Iguana Arco</b>			●		●	●
<b>Iguana Visio</b>			●		●	●
<b>Iguana Corner</b>			●		●	●
<b>Iguana Angula Plus</b>			●		●	●
<b>Tetra</b>			●		●	●
<b>Panel Plus Vertical</b>			●		●	●
<b>Deco Space Vertical</b>			●		●	●
<b>Sani Ronda</b>		●			●	●
<b>Sani Basic</b>		●				
<b>Sani Electric</b>		●				

## HEATING AND LIGHT COOLING®

	traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch
<b>Mini Freestanding Hybrid</b>	●				●	●
<b>Strada Hybrid</b>	●				●	●
<b>Vertiga Primo Hybrid</b>	●				●	●

## HEATING, LIGHT AND DEEP COOLING®

	traffic white RAL 9016 133 Soft touch	traffic white RAL 9016 233 Glossy	traffic white RAL 9016 333 Satin	White RAL 9010 101 Soft touch	Sandblast grey 001 Fine texture	Off-black RAL 7021 145 Soft touch
<b>Briza 12 Plug &amp; Play</b>	●					
<b>Briza 12/22</b>	●				●	●
<b>Freedom</b>	●				●	●

# JAGA COLOURS

Jaga has environmentally-friendly electrostatic powder coating lines. Excess powder is recuperated and no solvents are used during this process. After having been thoroughly pretreated, the units are powder coated and baked. This ensures that the unit is both UV and scratch resistant..

What does the first digit of the colour code stand for?

**Code 1xx** Soft touch: finely-textured matte look, gloss degree  $\leq$  10%

**Code 2xx** Glossy: smooth gloss finish, gloss degree +/- 70%

**Code 3xx** Satin: smooth satin look, gloss degree +/- 30%

**Code 0xx** Metal lookalikes: the finish and the degree of gloss simulate the imitated material

All our lacquered units are available in every code, except for the Strada, Linea Plus, Mini, Briza, Vertiga Hybrid, and Freedom units. These units are not available in Code 2xx Glossy and Code 3xx Satin.

Our grilles and frames are available in all colours, with the exception of Sandblast grey 001. In case of intensive use (placement in circulation areas, for example in front of sliding windows and doors), wear is, of course, inevitable.

This colour chart has been compiled with the greatest care, nevertheless, minor deviations are possible.

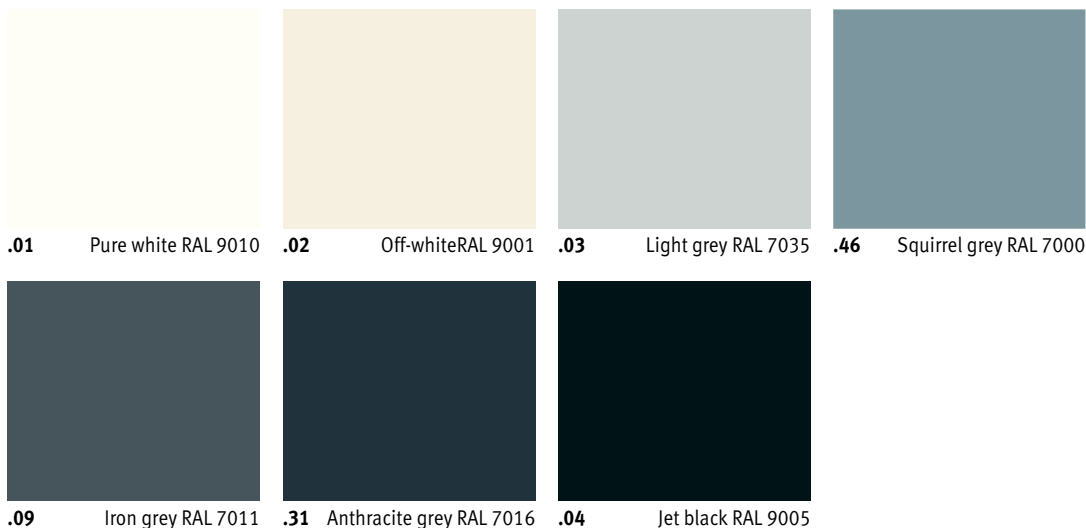
## Standard



Colour code . 33

| Fill up ordering code with 1, 2 or 3

## Subtle & discrete



Colour code . xx

| Fill up ordering code with 1, 2 or 3

## Colours of nature



157 Sandstone



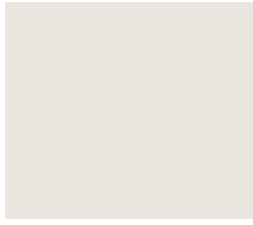
158 Siena ocher



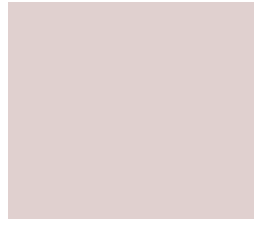
159 Honey yellow



160 Chocolate



154 Soft grey-pink



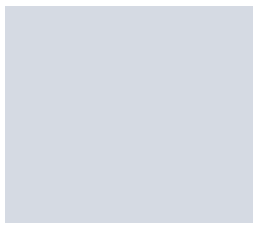
155 Millenium pink



111 Flaming red RAL 3000



156 Purple red RAL 3004



150 Soft grey-blue



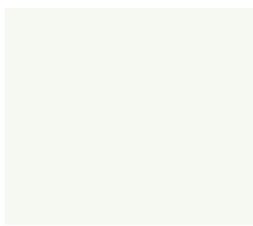
151 Pigeon blue RAL 5014



152 Gentian blue RAL 5010



153 Midnight blue



147 Soft green-beige



148 Pale green RAL 6021

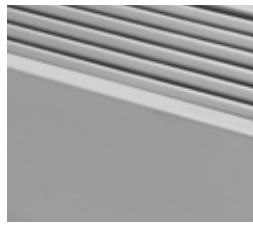


149 Emerald green RAL 6001



113 English green RAL 6009

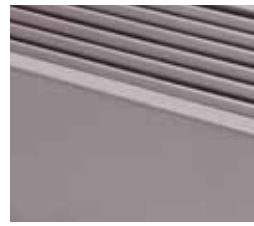
## Precious metals



054 White aluminium coloured  
RAL 9006



057 Titanium look



058 Rose gold look



059 Gold look



060 Copper look



061 Gunmetal grey look



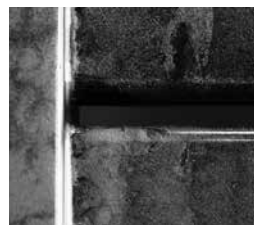
062 Stainless steel look



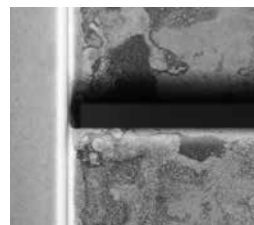
063 Silver look



055 Corten steel look



064 Transparent varnish  
glossy



065 Transparent varnish  
matte

*“ CLIMATE CHANGE AND EVOLUTION OF CONSTRUCTION TECHNIQUES DEMAND NEW ECOLOGICAL SOLUTIONS FOR HEATING, COOLING AND VENTILATION. ”*

New technologies have to consume far less energy. They have to insure a better indoor climate without damaging the outdoor climate. Traditional systems with fire and carbon emissions have to be extinguished. We have to evolve towards a green flame and build a sustainable path towards a better future. Choosing the sustainable path is no longer a matter of choice, it's an obligation.

Jaga Climate Designers is constantly looking for products and techniques that use as little energy and resources as possible, and thus benefit the climate. By cooling, ventilating and heating in a sustainable way, we strive for a better and healthier indoor and outdoor climate.