

versatile

NET ZERO

S Net Zero

BASE-Line Innovative
elegance with
maximum output





WALL MOUNTED MODEL



PLUG & PLAY TPT 4

Complete unit with temperature regulation
Via pre-assembled control panel, valve set and 230 V power supply

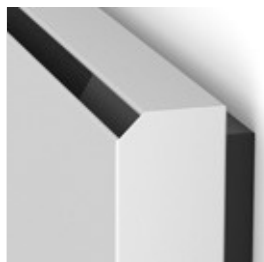
- height 56 cm
- length 75, 110, 155 or 190 cm
- 16/18/27°C: from 376 to 1556 Watts (10 V)
- 7/12/27°C: from 884 to 3659 Watts (10 V)
- 35/30/20°C: from 478 to 1977 Watts (10 V)



PLUG & PLAY JIC 4

Complete unit with temperature regulation
via the Home App, valve set and 230 V power supply

- height 56 cm
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CONFIGURABLE UNIT 12

Water-side and electrical connections tailored
to your installation

- height 56 cm
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CEILING MOUNTED MODEL



PLUG & PLAY JIC 5

Complete unit with temperature regulation
via the Home App, valve set and 230 V power supply

- width 58 cm
- length 90, 125, 170 or 205 cm
- 16/18/27°C: from 376 to 1556 Watts (10 V)
- 7/12/27°C: from 884 to 3659 Watts (10 V)
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CONFIGURABLE UNIT 20

Water-side and electrical connections tailored
to your installation

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S NET ZERO BASE-LINE PLUG & PLAY WALL-MOUNTED MODEL

We strive to market our dynamic radiators as ready for installation as possible. Where earlier we only had to connect the water supply, what is now required is also a power supply, an electronic control system and a thermostat connection. For your installation comfort, we developed a Plug & Play product line with the same high-quality value and with all connection options pre-assembled. Order care-free for an effortless installation!

DIFFERENT TEMPERATURE SETTINGS

CONTROL PANEL (TPT)



The room temperature is set on the control panel.

- Heating from 16 to 26°C
- Cooling from 16 to 26°C

HOME APP (JIC)



- With the Home App, end users have full control over their indoor climate.
- With the Pro App, installation technicians are able to streamline their activities remotely, enhance productivity and offer support to their customers.



ELECTRICAL CONNECTION

Clamp connector for electrical connection 24 VDC on the right, via 230 VAC power supply to be connected

HYDRONIC CONNECTION (left)
preassembled valves, connection Eurocone 3/4"
Eurocone connection set with thermoelectric motor



set 289 **KVS 0.8 - default setting in 6 steps**

S NET ZERO BASE-LINE PLUG & PLAY CEILING MOUNTED MODEL

The very first Plug & Play ceiling model. Control your comfort and optimise your installation with the Jaga App.

DIFFERENT TEMPERATURE SETTINGS

HOME APP (JIC)



- With the Home App, end users have full control over their indoor climate.
- With the Pro App, installation technicians are able to streamline their activities remotely, enhance productivity and offer support to their customers.



HYDRONIC CONNECTION (left)
preassembled valves, connection Eurocone 3/4"
Eurocone connection set with thermoelectric motor



ELECTRICAL CONNECTION
Clamp connector for electrical connection 24 VDC on the right, via 230 VAC power supply to be connected

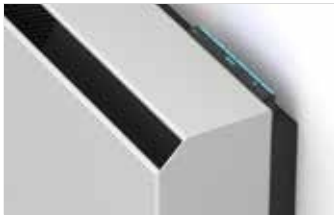
Set
289

KVS 0.8 - default setting in 6 steps

S NET ZERO BASE-LINE PLUG & PLAY

CONTROL SYSTEMS

TEMPERATURE REGULATION VIA CONTROL PANEL



(TPT)

The room temperature is set on the control panel.

- Heating from 16 to 26°C
- Cooling from 16 to 26°C

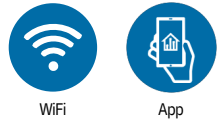
UNDER DEVELOPMENT

Home APP(JIC)



Home App (for the end-user) The Home App is a user-friendly platform specifically developed for end users, offering them effortless control over their heating and cooling systems with a few touches on their smartphones or tablets. Whether it's to adjust the temperature, to create the perfect atmosphere or for setting the air flow for optimal comfort, the Home App hands full control over to the user. These are the most important features of the Home App:

- Remote control: Control your heating or cooling system from any remote location, for unprecedented flexibility and user convenience.
- Adjustable settings: Adjust the settings to your liking, creating a home environment just the way you like it.
- Insight into energy efficiency: Gain valuable insights into your energy consumption and optimise your system for maximum efficiency, resulting in saving energy as well as money.
- Intuitive interface: User-friendly interface that simplifies control.



Home App

Choose the desired system

Program your weekly program

Select the desired temperature



Pro App



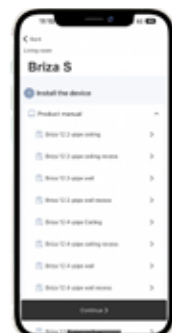
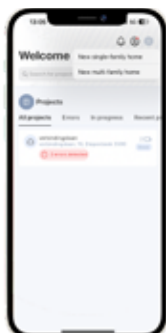
Pro app (for the installer) For installation technicians, the Pro App is a powerful tool to manage projects, support customers remotely and to have access to essential resources, such as manuals for hardware and installation videos. These are the most important features of the Pro App:

- Project Management: Monitor the progress of active projects, from first installation to maintenance and support, to allow everything to run smoothly from beginning to end.
- Remote Assistance: Diagnose and solve remotely, supporting customers quickly and efficiently without the need for an installation technician to personally stop by.
- Access to Documentation: Direct access to manuals and installation videos for Versatile products, providing all information for installation technicians within reach.
- Improved Customer Service: Deliver outstanding service to your customers by quickly and efficiently solving issues, meanwhile increasing customer satisfaction and reliability.

Create/Manage Project(s)

View unit details, including error reports and control panel

Consult Product Information

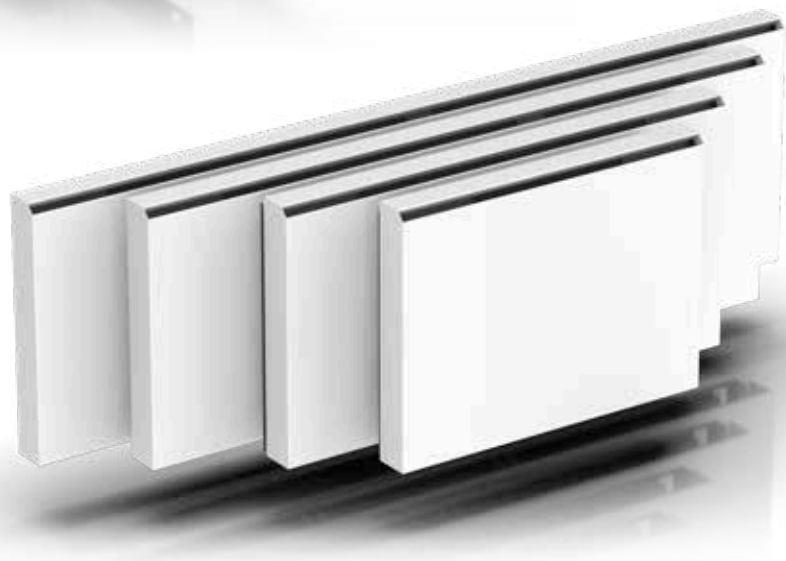


S NET ZERO BASE-LINE PLUG & PLAY

RANGE



**S Net Zero Base-Line Plug
& Play TPT Wall mounted
model**



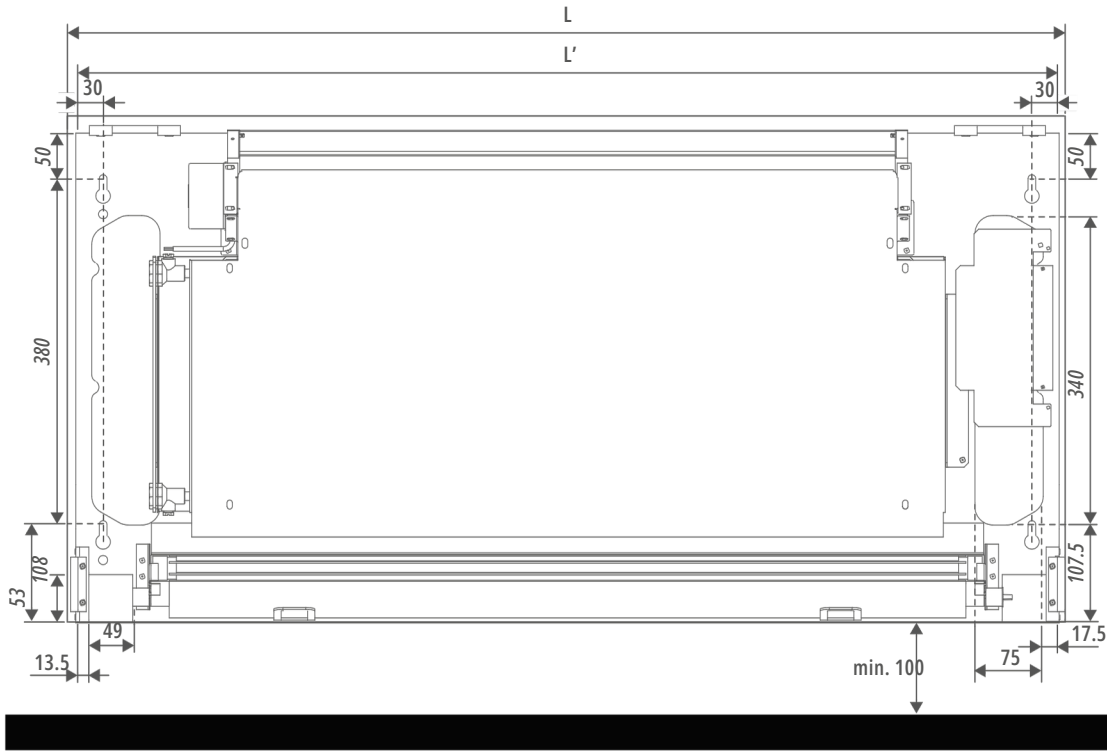
**S Net Zero Base-Line Plug
& Play JIC Wall mounted
model**



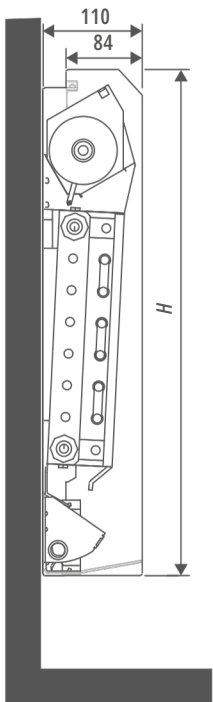
**S Net Zero Base-Line Plug
& Play JIC Ceiling
mounted model**

S NET ZERO BASE-LINE PLUG & PLAY

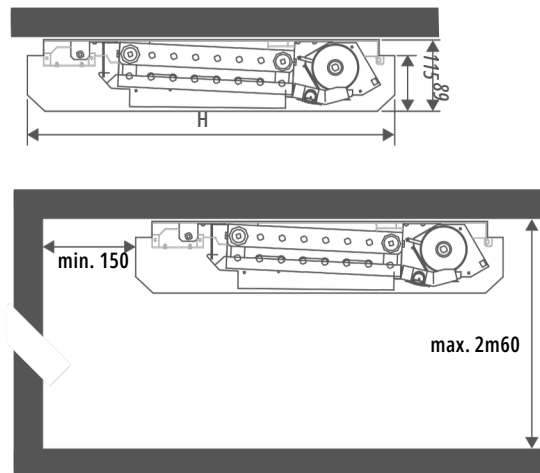
DIMENSIONS (in mm)



WALL-MOUNTED MODEL (in mm)



CEILING MOUNTED MODEL (in mm)



S NET ZERO BASE-LINE PLUG & PLAY

STANDARD DELIVERY

- coated housing in sendzimir galvanised steel plate
- coated back panel made from Sendzimir galvanised sheet steel
- air outlet vent in the same colour as the casing, supplied with jet black coated honeycomb grille
- robust interior made from electro-galvanised steel, premounted to the back panel
- condensation tray with drain (supplied with insulation)
- aluminium-copper heat exchanger with hydrophilic coating
- thermal Activator(s) (tangential mini activator)
- **integrated 230V power supply**
- **pre-assembled connection set**

VERSION TPT

- Control panel
- ## VERSION JIC
- Home App for end user / Pro App for installation technician

COLOURS

Casing

Standard colours

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lak

- off-black (145), soft touch lightly-textured satin lacquer

Other colours

see Jaga colour chart

Back panel

Standard colour

- jet black (104) soft touch lightly structured satin powder coating
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- (ceiling model only)

CONNECTION

Standard

- hydronic connections on the left
- clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.

Optional

Hydronic right, electric left. Connection code **R** instead of **L**. No surcharge.

ORDER CODE PLUG & PLAY WALL-MOUNTED MODEL

BNZW 056 **075** OS **XXX L** BL **DDD**

Control: TPT: D01
JIC: J01

Connection: Standard: L
Optional: R

Casing colour

Length

ORDER CODE PLUG & PLAY CEILING MOUNTED MODEL

BNZC 058 **090** OS **XXX X** L BL J01

Connection: Standard: L
Optional: R

Back panel colour:
Jet black (104) : B
Traffic white (133): W

Casing colour

Length



Order sleeve couplings 3/4" Eurocone separate

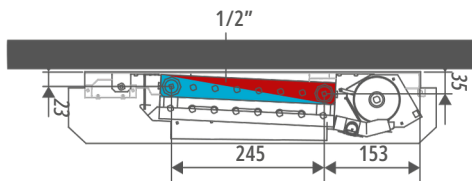
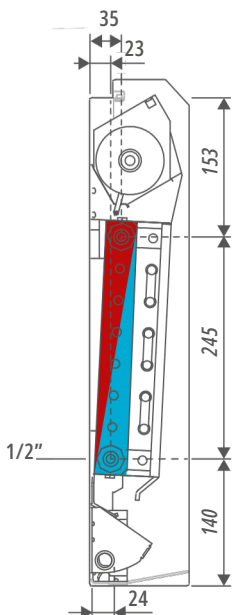


Condensing cooling with a ceiling-mounted model?
Add a condensate pump to your order!
(ex. BNZC 058 090 OS 133 B L BL J01 C)

HYDRONIC CONNECTION

WALL-MOUNTED MODEL (in mm)

CEILING MOUNTED MODEL (in mm)



ELECTRICAL CONNECTION

- Upon request for cold or heat, a BMS/home automation system or a JAGA thermostat will open the thermoelectric valve.
- Upon request for cold or heat, a JAGA thermostat / Jaga control will open the thermoelectric valve.

S NET ZERO BASE-LINE PLUG & PLAY WALL-MOUNTED MODEL

HEIGHT			CONTROL VOLTAGE	COOLING (non-condensing) room temperature 27°C			HEATING room temperature 20°C				SOUND PRESSURE LEVEL	AIR FLOW	ENERGY CONSUMPTION	ORDER CODE
H	L	T		U	16/18	7/12	7/12	35/30	45/40	50/45				
cm	cm		V	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	m ³ /h	Watts	
BNZW 056 075 S	2	28	68	48	48	87	107	116	<20	32	1.0	BNZW 056 075 0S XXX L BL DDD		
	4	151	368	263	186	338	414	448	23.5	63	1.4			
	6	250	603	437	304	552	675	732	28.5	95	2.4			
	8	326	775	568	401	729	892	966	35.0	123	3.8			
	10	376	884	656	478	868	1062	1151	40.5	160	6.5			
110 S	2	55	136	96	96	174	214	231	22.0	55	1.1	BNZW 056 110 0S XXX L BL DDD		
	4	302	736	527	372	676	828	897	30.0	100	1.9			
	6	501	1206	874	607	1104	1351	1464	35.5	170	4.1			
	8	651	1549	1135	802	1457	1783	1933	41.5	228	7.7			
	10	752	1768	1311	955	1736	2125	2303	46.0	281	13.2			
155 S	2	86	213	151	151	274	335	363	22.5	56	2.0	BNZW 056 155 0S XXX L BL DDD		
	4	474	1155	827	584	1061	1299	1408	30.0	130	3.4			
	6	786	1892	1371	953	1732	2120	2298	36.5	227	6.5			
	8	1022	2431	1782	1259	2287	2799	3033	42.5	331	11.5			
	10	1180	2775	2058	1499	2725	3335	3614	48.0	392	19.7			
190 S	2	114	281	199	199	361	442	479	24.0	60	2.1	BNZW 056 190 0S XXX L BL DDD		
	4	625	1523	1090	770	1399	1713	1856	31.0	176	3.8			
	6	1037	2495	1808	1257	2284	2796	3030	37.5	299	8.2			
	8	1347	3205	2350	1660	3015	3691	4000	44.0	403	15.4			
	10	1556	3659	2714	1977	3593	4397	4765	49.0	503	26.4			

Output measured in accordance with EN 16430

*Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.

Casing colour |
 Connection: Standard: L
 Optional: R |
 Control: TPT: D01
 JIC: J01 |

S NET ZERO BASE-LINE PLUG & PLAY CEILING MOUNTED MODEL

WIDTH B cm	LENGTH L cm	TYPE T	CONTROL VOLTAGE U V	COOLING (non-condensing) room temperature 27°C	COOLING TOTAL room temperature 27°C	PERCEPTIBLE COOLING room temperature 27°C	HEATING room temperature 20°C				SOUND PRESSURE LEVEL dB(A)	AIR FLOW m³/h	ENERGY CONSUMPTION Watts	ORDER CODE
				16/18 Watts	7/12 Watts	7/12 Watts	35/30 Watts	45/40 Watts	50/45 Watts	55/45 Watts				
BNZC 058 090	S	2	28	68	48	48	87	107	116	<20	32	1.0	BNZC 058 090 0S XXX X L BL J01	
		4	151	368	263	186	338	414	448	23.5	63	1.4		
		6	250	603	437	304	552	675	732	28.5	95	2.4		
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		10	376	884	656	478	868	1062	1151	40.5	160	6.5		
125	S	2	55	136	96	96	174	214	231	22.0	55	1.1	BNZC 058 125 0S XXX X L BL J01	
		4	302	736	527	372	676	828	897	30.0	100	1.9		
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		10	752	1768	1311	955	1736	2125	2303	46.0	281	13.2		
170	S	2	86	213	151	151	274	335	363	22.5	56	2.0	BNZC 058 170 0S XXX X L BL J01	
		4	474	1155	827	584	1061	1299	1408	30.0	130	3.4		
		6	786	1892	1371	953	1732	2120	2298	36.5	227	6.5		
		8	1022	2431	1782	1259	2287	2799	3033	42.5	331	11.5		
		10	1180	2775	2058	1499	2725	3335	3614	48.0	392	19.7		
205	S	2	114	281	199	199	361	442	479	24.0	60	2.1	BNZC 058 205 0S XXX X L BL J01	
		4	625	1523	1090	770	1399	1713	1856	31.0	176	3.8		
		6	1037	2495	1808	1257	2284	2796	3030	37.5	299	8.2		
		8	1347	3205	2350	1660	3015	3691	4000	44.0	403	15.4		
		10	1556	3659	2714	1977	3593	4397	4765	49.0	503	26.4		

Output measured in accordance with EN 16430

*Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.

Casing colour
 Back panel colour:
 Jet black (104) : B
 Traffic white (133): W
 Connection: Standard: L
 Optional: R



S NET ZERO BASE-LINE WALL-MOUNTED MODEL

THERMAL ACTIVATOR(S) (TANGENTIAL MINI ACTIVATOR)

Tangential activators with aluminium fins are provided with ball bearings and resin-coated EPDM vibration damping built-in EC motor for a much lower energy consumption and a longer service life

ROBUST INTERIOR

made from electro-galvanised steel, premounted to the back panel

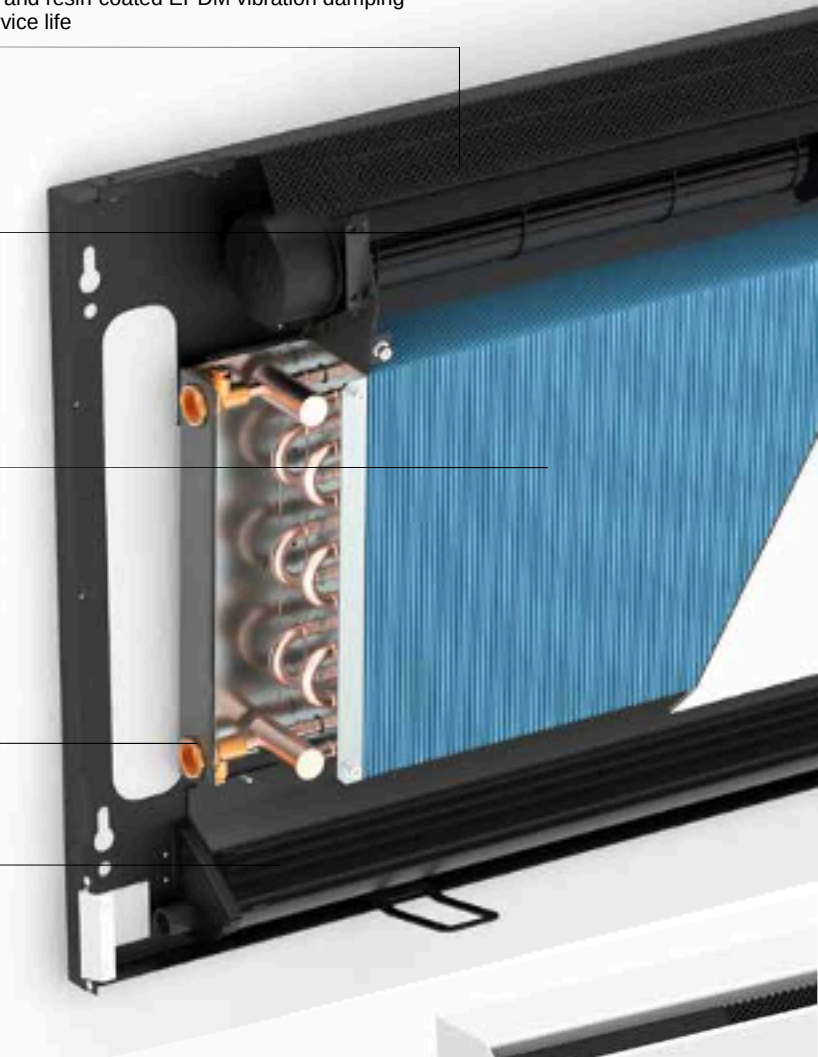
HEAT EXCHANGER

with hydrophilic coating for optimum cooling performance

HYDRONIC CONNECTIONS

 on the left

CONDENSATE TRAY

 with outlet spigot \varnothing 2 cm

COATED HOUSING

 in sendzimir galvanised steel plate

Traffic white 133



Sandblast grey 001



Off-black 145

CONFIGURABLE UNIT



ELECTRICAL CONNECTION

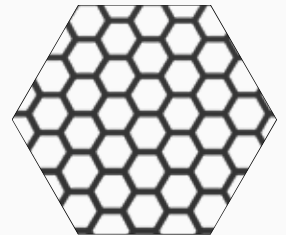
clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.

BACK PANEL (jet black 104)

For simple installation. The panel is supplied with recesses for water-side and electrical connection.

AIR OUTLET VENT

in the same colour as the casing, supplied with jet black coated honeycomb grille.

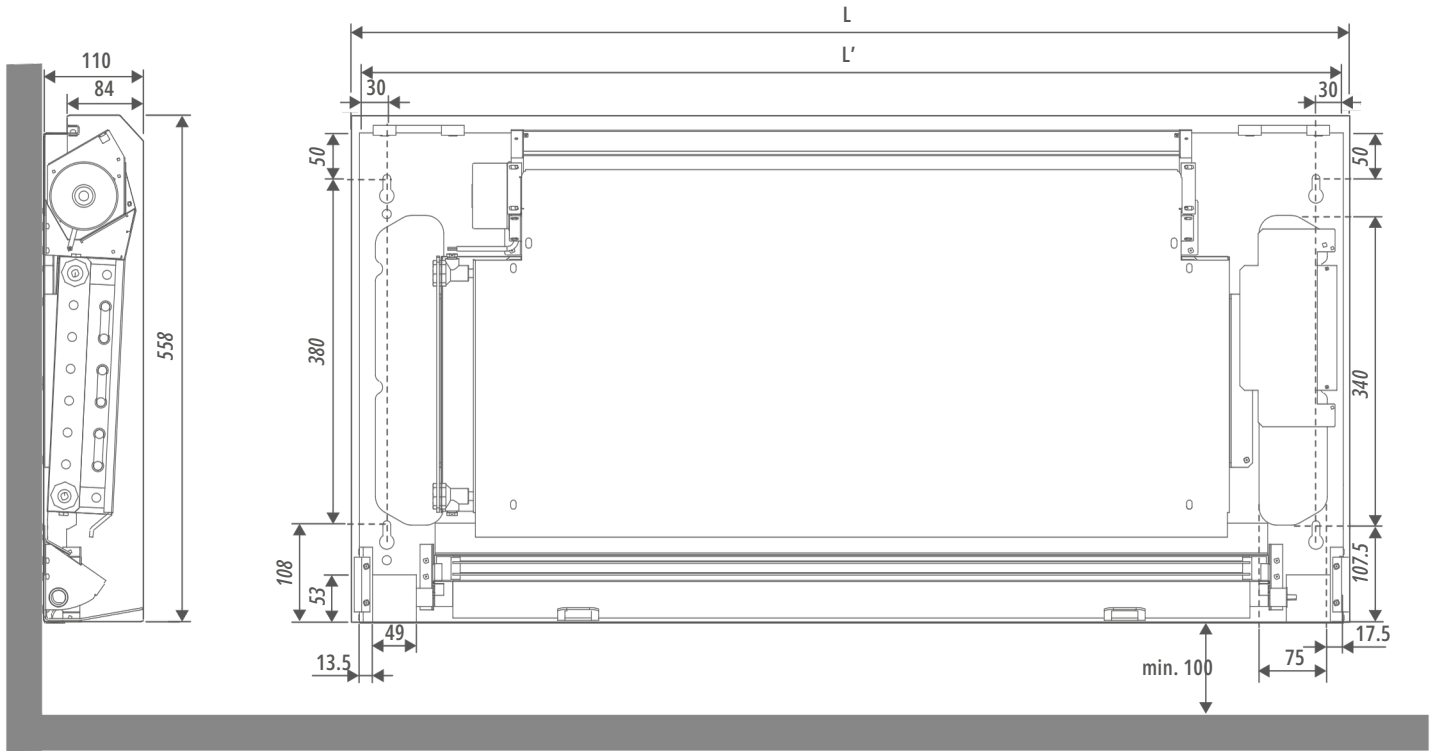


Honeycomb grille

BASE-LINE

S NET ZERO BASE-LINE WALL-MOUNTED MODEL

DIMENSIONS (in mm)



STANDARD DELIVERY

- coated housing in sendzimir galvanised steel plate
- coated back panel made from Sendzimir galvanised sheet steel
- air outlet vent in the same colour as the casing, supplied with jet black coated honeycomb grille
- robust interior made from electro-galvanised steel, premounted to the back panel
- condensation tray with drain (supplied with insulation)
- aluminium-copper heat exchanger with hydrophilic coating
- thermal Activator(s) (tangential mini activator)

COLOURS

Casing

Standard colours

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lak

- off-black (145), soft touch lightly-textured satin lacquer

Other colours

see Jaga colour chart

Back panel

Standard colour

jet black (104) soft touch lightly structured satin powder coating

CONNECTION

Standard

- hydronic connections on the left
- clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.

Optional

Hydronic right, electric left. Connection code **R** instead of **L**. No surcharge.

ORDER CODE S NET ZERO

BNZW 056 075 05 XXX L

BL DDD

Control:

- No control system: (leave blank)
- Jaga BMS 0-10V control: D03
- Jaga 3 settings controller: D05

Connection: Standard: L

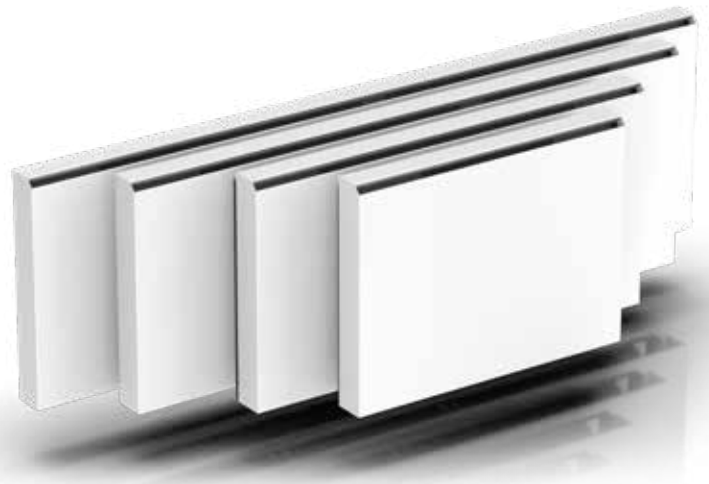
Optional: R

Casing colour

Length



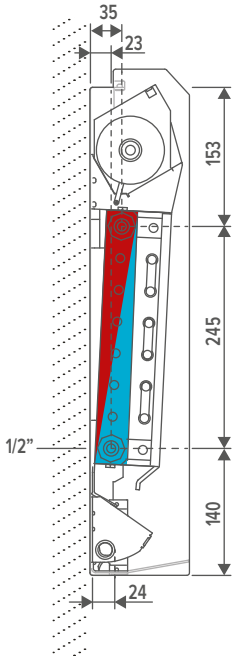
Order sleeve couplings 3/4" Eurocone separate



S NET ZERO **BASE-LINE** WALL-MOUNTED MODEL

HYDRONIC CONNECTION

DIMENSIONS (in mm)



CONNECTION POSSIBILITIES

Eurocone connection set with thermoelectric motor



set 289 KVS 0.8 - default setting in 6 steps

CODY B18 23 4...	230 VAC
CODY B18 24 4...	24V DC
CODY B18 10 4...	0...10V DC

fill in sleeve coupling code

Eurocone connection set with 2 lockshield valves G1/2" 90°



set 288 KV 1.65

CODY L01 00 4...

fill in sleeve coupling code

Sleeve couplings 3/4" Eurocone

PRECISION METAL TUBE		SYNTHETIC OR RPE/ALU	
CODE	Tube Ø	CODE	Tube Ø
112	12/1	612	12/2
114	14/1	614	14/2
115	15/1	616	16/2
116	16/1	618	18/2
118	18/1	619	16/1.5
		620	20/2

Stainless steel flexible connections 1/2"



CODE	Length	
7990 068	200 < 260 mm	2 units

S NET ZERO BASE-LINE WALL-MOUNTED MODEL

ELECTRICAL CONNECTION

POWER SUPPLIES



Jaga units are only CE: EN-60335 certified with use of the original Jaga power supplies

Waterproof power supply 24 VDC with waterproof cable gland

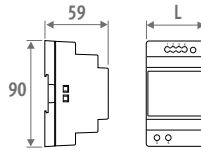


- with waterproof swivel nut connector
- in compliance with UL1310 - EN 60950-1 / Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- output current 1.67 A
- output 40 Watts
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	
P (add "P" to the order code)	pre-mountend

ex. BNZW 056 075 05 133 L BL D03 P

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / EN 60950-1 / TUV EN61558-2-16 / Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	L mm	OUTPUT Watts	OUTPUT CURRENT A
7990 054	3.5	36	1.50
7990 055	5.3	60	2.50
7990 056	7.0	92	3.90
7990 057	10.3	150	6.25

MAXIMUM CABLE LENGTH

Maximum cable length in function of the number of units. For more information, contact Jaga.

CABLE LENGTH (m)	NUMBER OF BRIZA S NET ZERO									
	10	20	30	40	50	60	70	80	90	100
BRIZA S L086										
1.5 mm ²	21	10	7	5	4	3	3	2	2	2
2.5 mm ²	35	17	11	8	7	5	5	4	3	3
BRIZA S L122										
1.5 mm ²	10	5	3	2	2	1	1	1	1	1
2.5 mm ²	17	8	5	4	3	2	2	2	1	1
BRIZA S L163										
1.5 mm ²	7	3	2	1	1	1	1			
2.5 mm ²	11	5	3	2	2	1	1	1	1	1
BRIZA S L199										
1.5 mm ²	5	2	1	1	1					
2.5 mm ²	8	4	2	2	1	1	1	1		

JDPC CONTROLS (OPTIONAL)



TYPE	POSITION	CONTROL PANEL	EXTERNAL 0-10 V CONTROL	2-PIPE	WATER TEMPERATURE SENSOR	AIR TEMPERATURE SENSOR
Jaga BMS 0-10V control (D03)		-	✓	✓	✓	-
Jaga 3 settings controller (D05)		✓	-	✓	✓	-

NO JAGA JDPC CONTROL SYSTEM

- Upon request for cold or heat, a BMS/home automation system or a JAGA thermostat will open the thermoelectric valve.
- Upon request for cold or heat, a BMS/home automation system or a JAGA thermostat will send a 0-10 VDC signal. The fan will rotate proportionally to the 0-10 VDC signal.

JAGA BMS 0-10V CONTROL

- When heat or cold is requested, a BMS/home automation system or JAGA thermostat will open the thermoelectric valve. When heat or cold is requested, a BMS/home automation system or JAGA thermostat will send a 0-10V signal. When detecting cold (<18°C) or hot (>28°C) water, the fan will rotate proportionally to the 0-10V signal.

JAGA 3 SETTINGS CONTROLLER

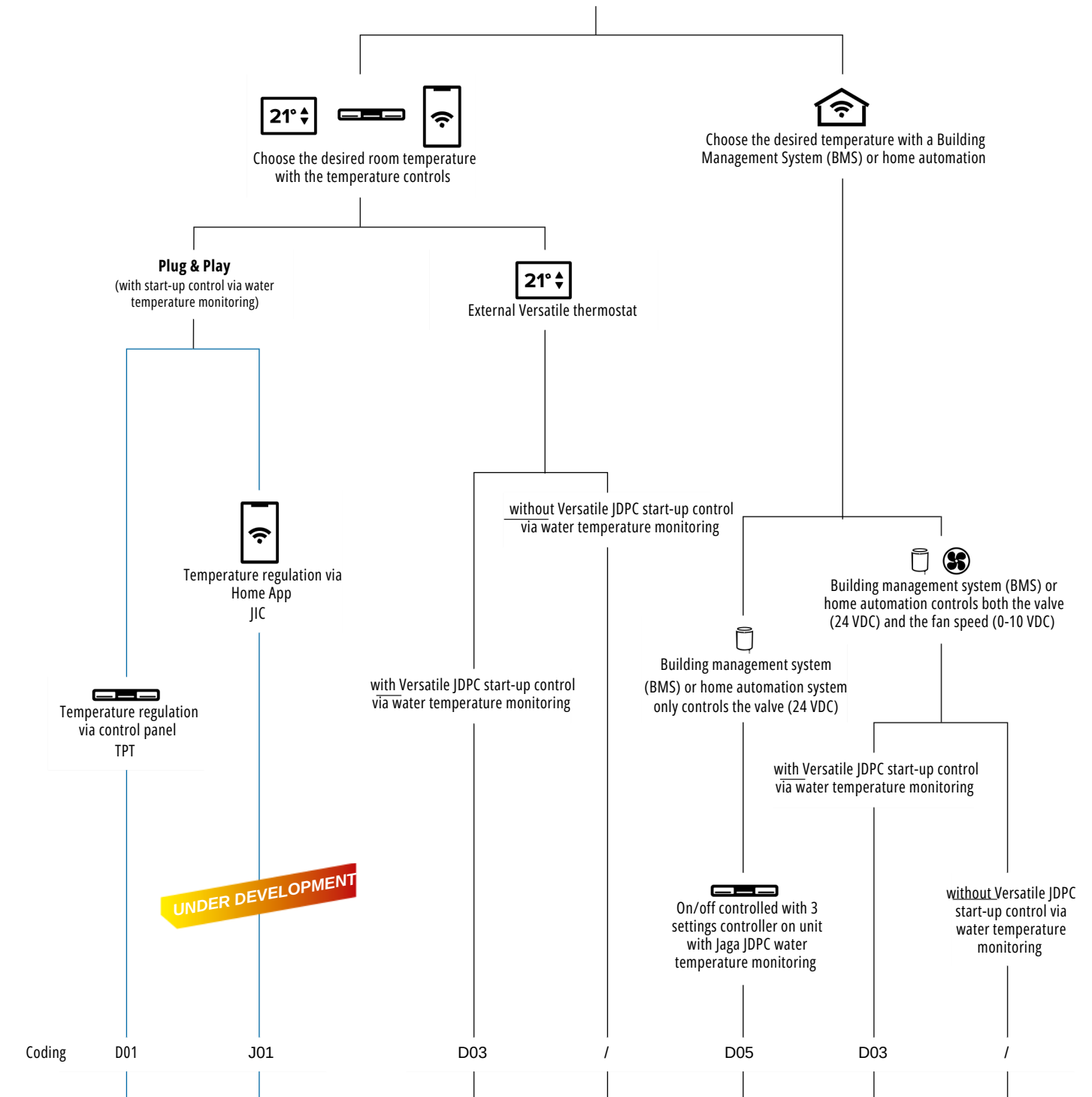
- When heat or cold is requested, a BMS/home automation system will open the thermoelectric valve. The fan will rotate at a fixed speed once the water has reached the setting of 28°C. The fan will rotate at a fixed speed once the water has reached the setting of 18°C.
- The user manually selects the desired mode via the control panel / / / OFF. The unit can run at 3 speeds. The unit starts at the last selected speed(1, 2 or 3) when the preset water temperature is reached.

S NET ZERO BASE-LINE WALL MOUNTED MODEL

WHICH VERSATILE CONTROL SYSTEM TO CHOOSE



Wall mounted model



UNDER DEVELOPMENT

Unit included

- valve set
- power supply
- integrated temperature regulation (TPT, App (JIC))

(Order sleeve couplings 3/4" Eurocone separate)

Unit including selected control system

Ordered optionally:

- valve set: set 288 or set 289
- Stainless steel exible connections (in pairs)
- power supply: waterproof swivel nut connector or DIN Rail power supply
- thermostat (0-10V) outside the unit

S NET ZERO BASE-LINE WALL-MOUNTED MODEL

TECHNICAL TABLE

BNZW	HEIGHT	LENGTH	TYPE	CONTROL VOLTAGE	COOLING	COOLING TOTAL	PERCEPTIBLE COOLING	HEATING				SOUND PRESSURE LEVEL	AIR FLOW	ENERGY CONSUMPTION	ORDER CODE
	H	L			(non-condensing)	room temperature 27°C	room temperature 27°C	room temperature 27°C	room temperature 20°C						
	cm	cm	T	U	16/18	7/12	7/12	35/30	45/40	50/45	55/45	dB(A)	m ³ /h	Watts	
				V	Watts	Watts	Watts	Watts	Watts	Watts	Watts				
056	075	S	2	2	28	68	48	48	87	107	116	<20	32	1.0	BNZW 056 075 0S XXX L BL DDD
			4	4	151	368	263	186	338	414	448	23.5	63	1.4	
			6	6	250	603	437	304	552	675	732	28.5	95	2.4	
			8	8	326	775	568	401	729	892	966	35.0	123	3.8	
			10	10	376	884	656	478	868	1062	1151	40.5	160	6.5	
110	S	2	2	55	136	96	96	174	214	231	22.0	55	1.1	BNZW 056 110 0S XXX L BL DDD	
		4	4	302	736	527	372	676	828	897	30.0	100	1.9		
		6	6	501	1206	874	607	1104	1351	1464	35.5	170	4.1		
		8	8	651	1549	1135	802	1457	1783	1933	41.5	228	7.7		
		10	10	752	1768	1311	955	1736	2125	2303	46.0	281	13.2		
155	S	2	2	86	213	151	151	274	335	363	22.5	56	2.0	BNZW 056 155 0S XXX L BL DDD	
		4	4	474	1155	827	584	1061	1299	1408	30.0	130	3.4		
		6	6	786	1892	1371	953	1732	2120	2298	36.5	227	6.5		
		8	8	1022	2431	1782	1259	2287	2799	3033	42.5	331	11.5		
		10	10	1180	2775	2058	1499	2725	3335	3614	48.0	392	19.7		
190	S	2	2	114	281	199	199	361	442	479	24.0	60	2.1	BNZW 056 190 0S XXX L BL DDD	
		4	4	625	1523	1090	770	1399	1713	1856	31.0	176	3.8		
		6	6	1037	2495	1808	1257	2284	2796	3030	37.5	299	8.2		
		8	8	1347	3205	2350	1660	3015	3691	4000	44.0	403	15.4		
		10	10	1556	3659	2714	1977	3593	4397	4765	49.0	503	26.4		

Output measured in accordance with EN 16430

*Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.

Casing colour

Connection: Standard: L
Optional: R

Control: No control system: (leave blank)
Jaga BMS 0-10V control: D03
Jaga 3 settings controller: D05



S Net Zero -
Base-Line H56 x L155
Millenium pink(155)

16/18/27 °C 1180 Watts (10 V)
7/12/27 °C 2775 Watts (10 V)
35/30/20 °C 1499 Watts (10 V)

S NET ZERO BASE-LINE CEILING MOUNTED MODEL

ROBUST

interior made from electro-galvanised steel, premounted to the back panel

THERMAL ACTIVATOR(S) (TANGENTIAL MINI ACTIVATOR)

Tangential activators with aluminium fins are provided with ball bearings and resin-coated EPDM vibration damping built-in EC motor for a much lower energy consumption and a longer service life

HYDRONIC CONNECTIONS

 on the left

CONDENSATE TRAY with outlet spigot \varnothing 2 cm
from electrolytic galvanized steel plate dark grey lacquered in RAL 7024

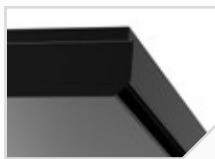
COATED HOUSING

 in sendzimir galvanised steel plate

Traffic white 133



Sandblast grey 001



Off-black 145

BACK PANEL

(jet black 104) for simple installation. The panel is supplied with recesses for water-side and electrical connection.

ELECTRICAL CONNECTION

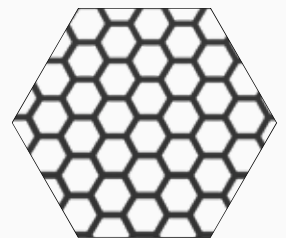
clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.

HEAT EXCHANGER with hydrophilic coating for optimum cooling performance

AIR OUTLET VENT

in the same colour as the casing, supplied with jet black coated honeycomb grille

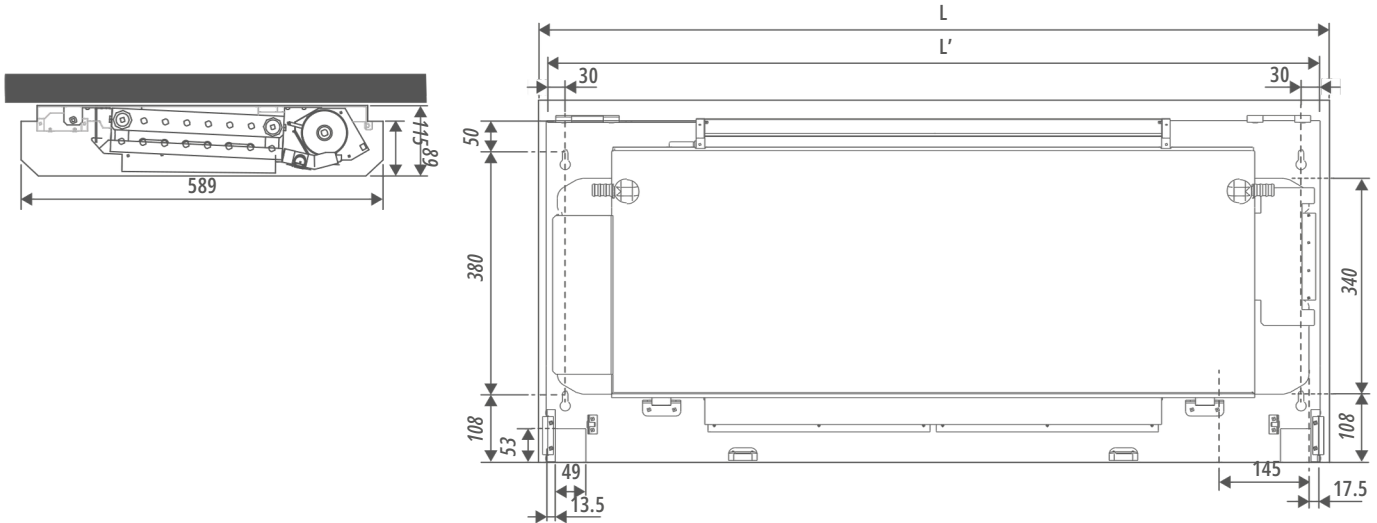
BASE-LINE



Honeycomb grille

S NET ZERO BASE-LINE CEILING MOUNTED MODEL

DIMENSIONS (in mm)



STANDARD DELIVERY

- coated housing in sendzimir galvanised steel plate
- coated back panel made from Sendzimir galva
- air outlet vent in the same colour as the casing, supplied with honeycomb grille
- robust interior made from electro-galvanised steel, premounted to the back panel
- condensation tray with drain made fro (supplied with insulation)
- aluminium-copper heat exchanger
- thermal Activator(s) (tangential mini activator)

COLOURS

Casing

Standard colours

- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer
- sandblast grey (001), fine texture metallic lak
- off-black (145), soft touch lightly-textured satin lacquer

Other colours

see colour chart

Back panel

Standard colour

- jet black (104) soft touch lightly structured satin powder coating
- traffic white RAL 9016 (133), soft touch lightly structured satin lacquer

CONNECTION

Standard

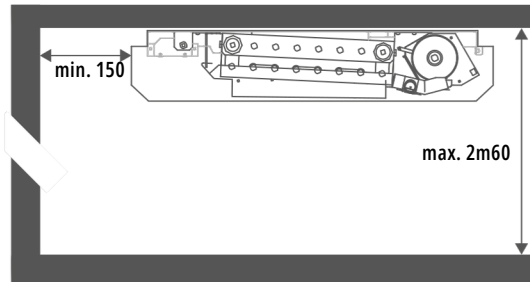
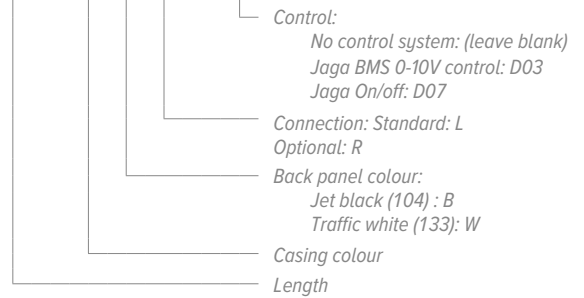
- hydronic connections on the left
- clamp connector for electric connection 24 VDC, to connect via an external power supply, on the right hand side.

Optional

Hydronic right, electric left. Connection code **R** instead of **L**. No surcharge.

ORDER CODE BRIZA

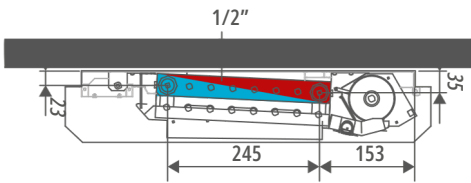
BNZC 058 090 OS XXX X L BL DDD



S NET ZERO BASE-LINE CEILING MOUNTED MODEL

HYDRONIC CONNECTION

DIMENSIONS (in mm)



CONNECTION POSSIBILITIES

Eurocone connection set with thermoelectric motor



Stainless steel flexible connections 1/2"



CODE	Length	
7990 068	200 < 260 mm	2 units

CONDENSATION SOLUTIONS

Condensate pump



CODE

C (add "C" to the order code) pre-mountend

ex. BNZC 058 090 0S 133 B L BL D03 **C**



Required for Deep Cooling

set
289

KVS 0.8 - default setting in 6 steps

CODY B18 23 4...	230 VAC
CODY B18 24 4...	24V DC
CODY B18 10 4...	0...10V DC

fill in sleeve coupling code

Eurocone connection set with 2 lockshield valves G1/2" 90°



set
288

KV 1.65

CODY L01 00 4...

fill in sleeve coupling code

Sleeve couplings 3/4" Eurocone

PRECISION METAL TUBE		SYNTHETIC OR RPE/ALU	
CODE	Tube Ø	CODE	Tube Ø
112	12/1	612	12/2
114	14/1	614	14/2
115	15/1	616	16/2
116	16/1	618	18/2
118	18/1	619	16/1.5
		620	20/2

S NET ZERO BASE-LINE CEILING MOUNTED MODEL

ELECTRICAL CONNECTION

POWER SUPPLIES

 **Jaga units are only CE: EN-60335 certified with use of the original Jaga power supplies**

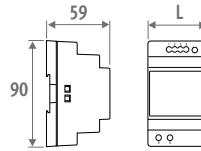
Waterproof power supply 24 VDC with waterproof cable gland



- with waterproof swivel nut connector
- in compliance with UL1310 - EN 60950-1 / Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- output current 1.67 A
- output 40 Watts
- dimensions L 14.5 x B 4.5 x H 3.0 cm

CODE	
P (add "P" to the order code)	pre-mountend
ex. BNZC 058 090 0S 133 B L BL D03 P	

Power supply DIN-rail assembly



- for DIN-rail or wall mounting in a electrical switchboard
- in compliance with UL60950 / UL508 / EN 60950-1 / TUV EN61558-2-16 / Class II
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	L mm	OUTPUT Watts	OUTPUT CURRENT A
7990 054	3.5	36	1.50
7990 055	5.3	60	2.50
7990 056	7.0	92	3.90
7990 057	10.3	150	6.25

MAXIMUM CABLE LENGTH




Maximum cable length in function of the number of units. For more information, contact Jaga.

CABLE LENGTH (m)	NUMBER OF BRIZA S NET ZERO									
	10	20	30	40	50	60	70	80	90	100
BRIZA S L086										
1.5 mm ²	21	10	7	5	4	3	3	2	2	2
2.5 mm ²	35	17	11	8	7	5	5	4	3	3
BRIZA S L122										
1.5 mm ²	10	5	3	2	2	1	1	1	1	1
2.5 mm ²	17	8	5	4	3	2	2	2	1	1
BRIZA S L163										
1.5 mm ²	7	3	2	1	1	1	1			
2.5 mm ²	11	5	3	2	2	1	1	1	1	1
BRIZA S L199										
1.5 mm ²	5	2	1	1	1					
2.5 mm ²	8	4	2	2	1	1	1	1	1	

JDPC CONTROLS (OPTIONAL)

JDPC (JAGA DYNAMIC PRODUCT CONTROLLER)



TYPE	POSITION	CONTROL PANEL	EXTERNAL 0-10 V CONTROL	2-PIPE	WATER TEMPERATURE SENSOR	AIR TEMPERATURE SENSOR
Jaga BMS 0-10V control (D03)	  	-	✓	✓	✓	-
Jaga On/off (D07)	  	✓	-	✓	✓	-

NO JAGA JDPC CONTROL SYSTEM

- Upon request for cold or heat, a BMS/home automation system or a JAGA thermostat will open the thermoelectric valve.
- Upon request for cold or heat, a BMS/home automation system or a JAGA thermostat will send a 0-10 VDC signal. The fan will rotate proportionally to the 0-10 VDC signal.

JAGA BMS 0-10V CONTROL

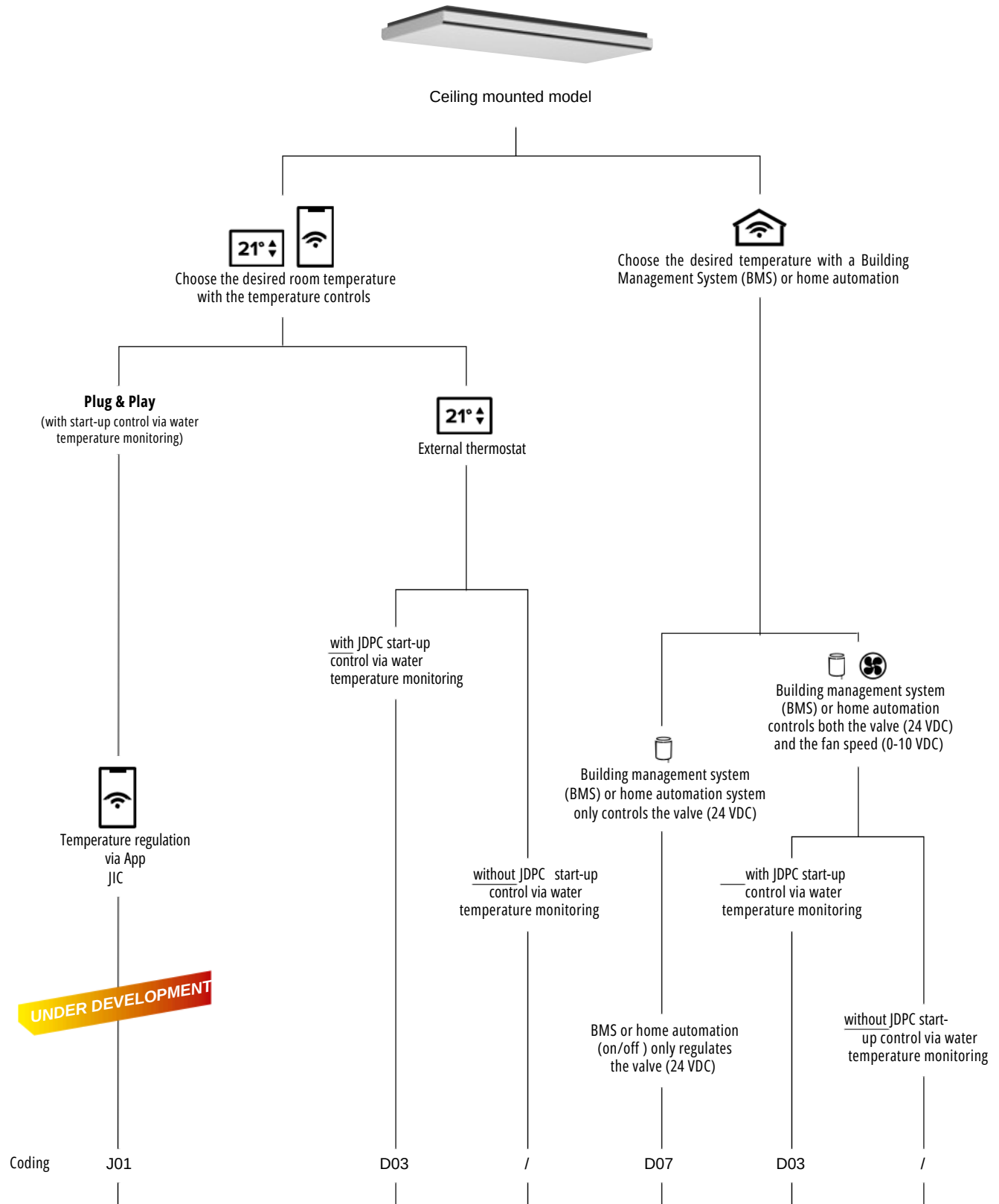
- When heat or cold is requested, a BMS/home automation system or JAGA thermostat will open the thermoelectric valve. When heat or cold is requested, a BMS/home automation system or JAGA thermostat will send a 0-10V signal. When detecting cold (<18°C) or hot (>28°C) water, the fan will rotate proportionally to the 0-10V signal.

JAGA ON/OFF

- When heat or cold is requested, a BMS/home automation system will open the thermoelectric valve. The fan will rotate at a fixed speed once the water has reached the setting of 28°C. The fan will rotate at a fixed speed once the water has reached the setting of 18°C.

S NET ZERO BASE-LINE CEILING MOUNTED MODEL

WHICH VERSATILE CONTROL SYSTEM TO CHOOSE



UNDER DEVELOPMENT

Unit included

- valve set
- power supply
- integrated temperature regulation(App (JIC))

(Order sleeve couplings 3/4" Eurocone separate)
Condensing cooling with a ceiling-mounted model?
Add a condensate pump to your order!

Unit including selected control system
 Ordered optionally

- valve set: set 288 or set 289
- Stainless steel exible connections (in pairs)
- power supply: waterproof swivel nut connector or DIN Rail power supply
- thermostat (0-10V) outside the unit
- condensate pump (Condensing cooling)

S NET ZERO BASE-LINE CEILING MOUNTED MODEL

TECHNICAL TABLE

BNZC	WIDTH	LENGTH	TYPE	CONTROL VOLTAGE	COOLING <i>(non-condensing) room temperature 27°C</i>			HEATING <i>room temperature 20°C</i>				SOUND PRESSURE LEVEL	AIR FLOW	ENERGY CONSUMPTION	ORDER CODE
	B	L			U	16/18	7/12	7/12	35/30	45/40	50/45				
	cm	cm		V	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	m ³ /h	Watts	
058	090	S	2	28	68	48	48	87	107	116	<20	32	1.0	BNZC 058 090 0S XXX X L BL DDD	
			4	151	368	263	186	338	414	448	23.5	63	1.4		
			6	250	603	437	304	552	675	732	28.5	95	2.4		
			8	326	775	568	401	729	892	966	35.0	123	3.8		
			10	376	884	656	478	868	1062	1151	40.5	160	6.5		
125	S	2	55	136	96	96	174	214	231	22.0	55	1.1	BNZC 058 125 0S XXX X L BL DDD		
		4	302	736	527	372	676	828	897	30.0	100	1.9			
		6	501	1206	874	607	1104	1351	1464	35.5	170	4.1			
		8	651	1549	1135	802	1457	1783	1933	41.5	228	7.7			
		10	752	1768	1311	955	1736	2125	2303	46.0	281	13.2			
170	S	2	86	213	151	151	274	335	363	22.5	56	2.0	BNZC 058 170 0S XXX X L BL DDD		
		4	474	1155	827	584	1061	1299	1408	30.0	130	3.4			
		6	786	1892	1371	953	1732	2120	2298	36.5	227	6.5			
		8	1022	2431	1782	1259	2287	2799	3033	42.5	331	11.5			
		10	1180	2775	2058	1499	2725	3335	3614	48.0	392	19.7			
205	S	2	114	281	199	199	361	442	479	24.0	60	2.1	BNZC 058 205 0S XXX X L BL DDD		
		4	625	1523	1090	770	1399	1713	1856	31.0	176	3.8			
		6	1037	2495	1808	1257	2284	2796	3030	37.5	299	8.2			
		8	1347	3205	2350	1660	3015	3691	4000	44.0	403	15.4			
		10	1556	3659	2714	1977	3593	4397	4765	49.0	503	26.4			

Output measured in accordance with EN 16430

*Noise measurement according to ISO 3741:2010, at a 2-m distance from the unit and with an assumed room attenuation of 8 dB(A)/room volume 100 m³ / reverberation time 0.5 sec.

Casing colour |
 Back panel colour |
 Connection: Standard: L
 Optional: R |
 Control: No control system: (leave blank)
 Jaga BMS 0-10V control: D03
 Jaga On/off: D07

S Net Zero
BASE-Line B58 x L125
Sandstone (157)

16/18/27 °C 752 Wattss (10 V)
7/12/27 °C 1768 Wattss (10 V)
35/30/20 °C 955 Wattss (10 V)



S NET ZERO BASE-LINE

EXTERNAL JAGA THERMOSTAT

JRT-100 TB
BLACK



8751 050019

JRT-100 TW
WHITE



8751 050017

JRT-100



8751 050012

JRT-200



8751 050013

RDG 160T



8751 050009

RDG264KN



8751 050018

	JRT-100 TB / TW	JRT-100	JRT-200	RDG 160T	RDG264KN
POWER SUPPLY					
supply voltage	24V DC	24V DC	24V DC	24V DC	24V DC
OUTPUT / INPUT VOLTAGE					
valve 24V DC contact	2 (NO)	2 (NO)	-	-	-
potential-free contact	-	-	2 (NO)	3 (NO)	3 (NO)
input from keycard	-	-	✓	✓	✓
input from window contact	-	-	-	✓	✓
fan (0 - 10 V DC)	max. +/- 10 mA	max. +/- 10 mA	max. +/- 10 mA	max. +/- 5 mA	max. +/- 5 mA
manual 3-position speed controller	✓	✓	✓	✓	✓
automatic mode	✓	✓	✓	✓	✓
APPLICATIONS					
2-pipe					
manually (H/C)	✓	✓	✓	✓	✓
auto (H/C) - water temperature sensor necessary	-	-	-	✓	✓
4-pipe					
manually (H/C)	✓	✓	✓	✓	✓
auto (H/C)	✓	✓	✓	✓	✓
DIMENSIONS					
for wall mounting	-	-	✓	✓	✓
for recessed-mounting	✓	✓	optional	optional	optional
POSITION					
LCD display with backlight	-	✓	✓	✓	✓
LCD touch screen with backlight	✓	-	-	-	-
protection category IP20	-	-	-	-	-
protection category IP30	✓	✓	✓	✓	✓
Integrated CO2-sensor	-	-	-	-	✓
humidity sensor	-	-	-	-	✓
FEATURES					
programmable time zones	✓	✓	✓	✓	✓
control via Wi-Fi (smartphone app)	✓	-	-	-	-
fan start delay	-	-	-	✓	✓
continuous fan speed	-	-	-	✓	✓
temperature sensor 80 cm	✓	✓	optional	optional	optional

S NET ZERO BASE-LINE

CORRECTION FACTORS

The indicated outputs at ΔT 50 are exact values measured in accordance with EN16430. This table provides a calculated value using an average correction factor for all other ΔT outputs, valid for all dimensions.

Click netzero.jaga.com/ to 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 DYNAMIC PRODUCTS - 75/65/20°C

room temperature:20°C

Average N-value: 1.00

	TR	65	60	55	50	45	40	35	30	25
TA										
75		1.00	0.95	0.89	0.83	0.76	0.69	0.62	0.53	0.42
70		0.95	0.90	0.84	0.79	0.72	0.66	0.58	0.50	0.39
65			0.85	0.80	0.74	0.68	0.62	0.55	0.47	0.37
60				0.75	0.70	0.64	0.58	0.51	0.43	0.34
55					0.65	0.60	0.54	0.47	0.40	0.31
50						0.55	0.49	0.43	0.37	0.28
45							0.45	0.39	0.33	0.25
40								0.35	0.29	0.22
35									0.25	0.18
30										0.14

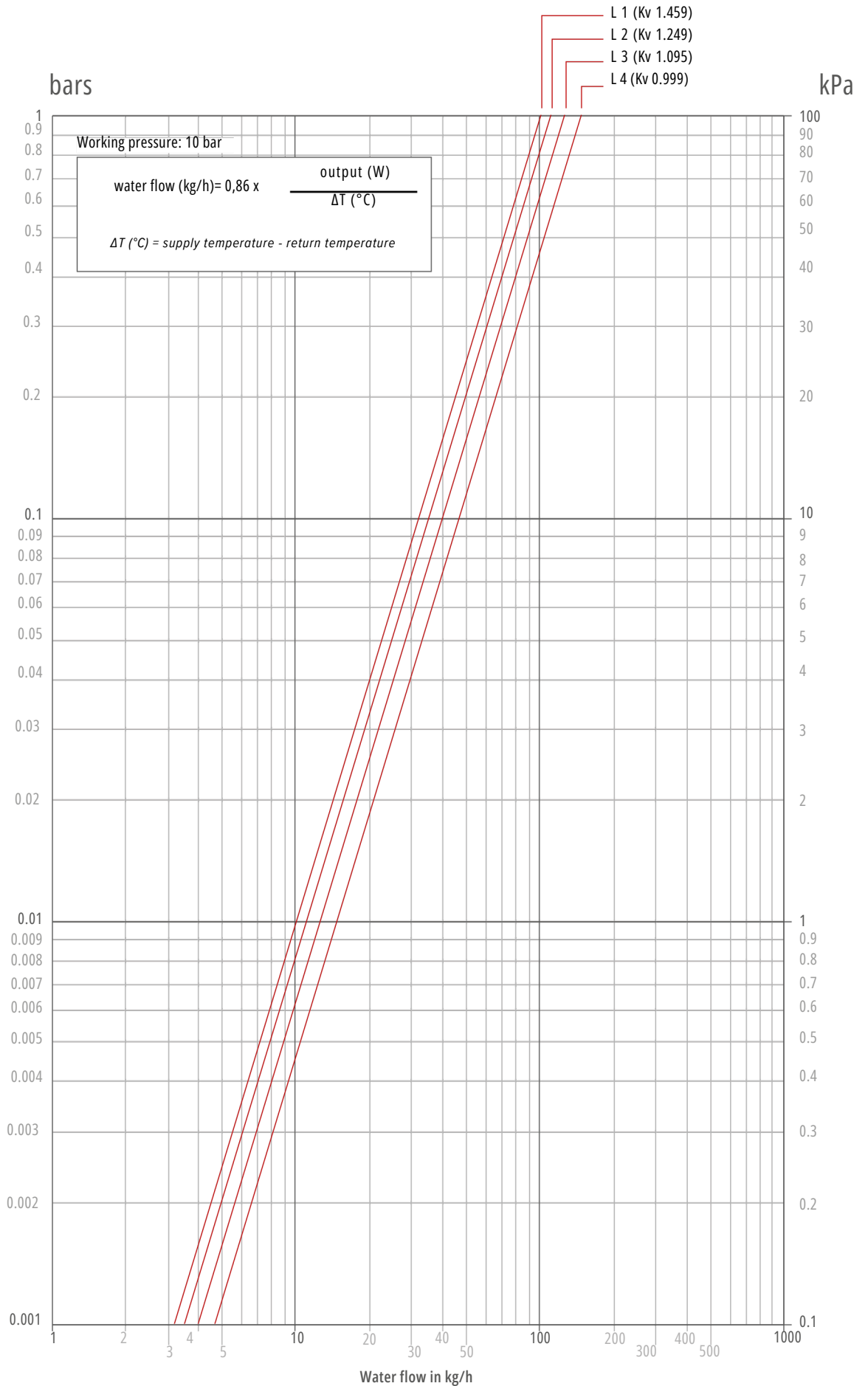
room temperature:24°C

Average N-value: 1.00

	TR	65	60	55	50	45	40	35	30	25
TA										
75		0.92	0.86	0.81	0.74	0.68	0.61	0.52	0.42	0.26
70		0.87	0.82	0.76	0.70	0.64	0.57	0.49	0.39	0.24
65			0.77	0.72	0.66	0.60	0.53	0.46	0.37	0.22
60				0.67	0.62	0.56	0.49	0.42	0.34	0.20
55					0.57	0.52	0.46	0.39	0.31	0.18
50						0.47	0.41	0.35	0.27	0.15
45							0.37	0.31	0.24	0.13
40								0.27	0.20	0.11
35									0.17	0.08
30										0.06

S NET ZERO BASE-LINE

PRESSURE DROP





versatile

NET ZERO

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