



jaga



TOP
PERFORMERS



CLIMA CANAL Lyngson as



TOP PERFORMERS

jagaHybridHeating

CLIMA CANAL

Complete climate control and high power

Heating, cooling, ventilation.

Despite its modest size, Clima Canal is a powerful heating, cooling and ventilation unit all in one. Silent and unobtrusive, Clima Canal provides the greatest possible climatic comfort.

Super-compact and silent

This high-tech Low-H₂O heat exchanger with its thermal activator has been specially developed to deliver record output within super-compact dimensions. All this at a very low noise level! In boost mode, for ultra-quick heating or cooling, the output is even higher.

Using the latest EC motors enables Clima Canals to consume up to 50% less electrical energy than traditional motors, and enables remote control using the latest home automation and building management systems.

Suitable for non-condensing and condensing cooling with chilled water

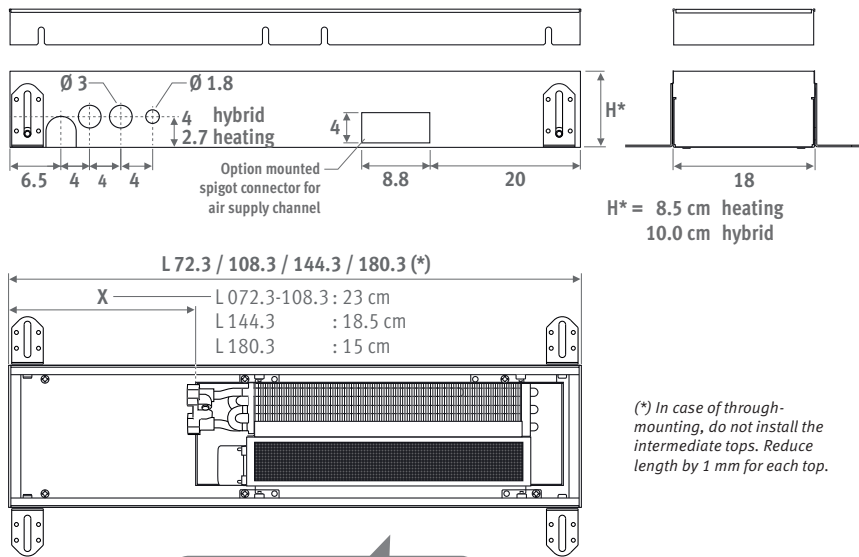




CLIMA CANAL - SUMMARY



DIMENSIONS (in cm)



Building in-opening: +0.5 cm

ORDERING CODE

code	height	length	width	grille
CLCM .	008	072	18	/XXX
fill in grille code ↓				

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 to 25 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

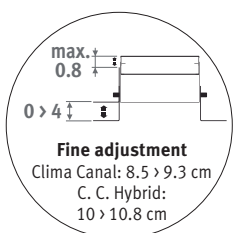
Grille

several styles and colours in anodized aluminium and a range of wood finishes

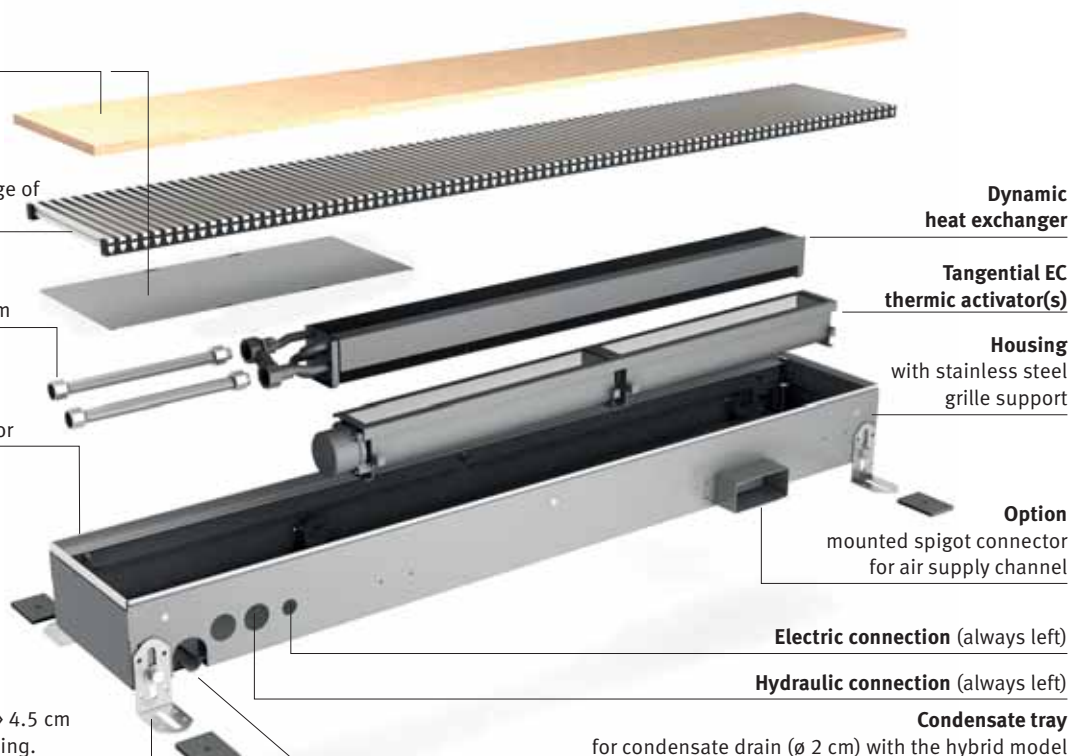
Stainless steel flexible connections 1/2". Length 15 cm

Fine adjustment

to max. 0.8 cm, for a perfect alignment with the finished floor



Feet with height adjustment 0 > 4.5 cm
Provided with acoustic decoupling.



CLIMA CANAL

CLCM.HHH LLL 18/XXX



HEATING										COOLING					€ BNA BON BBN	€ BNC	€ BOV BBV
Watts 75/65/20°C			Watts 55/45/20°C			Watts 35/30/20°C			Watts total 7/12°C - 25°C D.B. 50% R.H.			Watts sensible 7/12°C - 25°C D.B. 50% R.H.					
max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.	max.	med.	min.			
H	L	CLIMA CANAL															
008	072	945	903	517	563	546	310	234	228	129	---	---	---	---	---	---	
	108	2075	2009	1137	1238	1201	682	514	501	284	---	---	---	---	---	---	
	144	3011	2912	1654	1798	1744	992	747	728	413	---	---	---	---	---	---	
	180	4145	4018	2274	2474	2403	1364	1028	1001	569	---	---	---	---	---	---	
H	L	CLIMA CANAL HYBRID															
010	072	945	903	517	563	546	310	234	228	129	284	273	110	213	205	83	
	108	2075	2009	1137	1238	1201	682	514	501	284	576	545	219	433	410	165	
	144	3011	2912	1654	1798	1744	992	747	728	413	849	818	330	638	615	248	
	180	4145	4018	2274	2474	2403	1364	1028	1001	569	1152	1090	440	866	820	330	

TECHNICAL DATA

H	L	B	FAN	SOUND PRESSURE**			POWER CONSUMPTION			AIR FLOW			WATER FLOW	
			Number	dB(A)			Watts			m³/h			l/h heating	l/h cooling
				max.*	med.*	min.*	max.*	med.*	min.*	max.*	med.*	min.*		
008/010	072	18	1	34	29	19	3.1	1.7	0.9	70	59	40	78	47
	108		1	37	32	20	5.3	2.9	1.4	142	119	83	175	94
	144		2	39	34	22	8.6	4.8	2.4	213	178	123	250	140
	180		2	40	35	23	11.5	6.2	2.9	284	238	165	345	187

** With an assumed room attenuation of 8 dB(A) / content of the room 75 m³ / reverberation time 0.5 sec. / measured at 1 m height and 2 m from the appliance.

* max. 10 VDC / med. 7 VDC / min. 4.5 VDC

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

OVERVIEW GRILLES

Wooden grilles



BON Oak
BOV Oak varnished



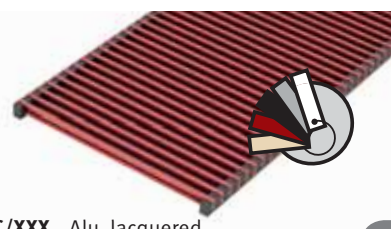
BBN Beech
BBV Beech varnished



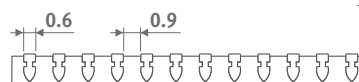
Aluminium grilles



BNA Alu. natural



BNC/XXX Alu. lacquered



Complete installation and user manual see:
<http://www.theradiatorfactory.com>

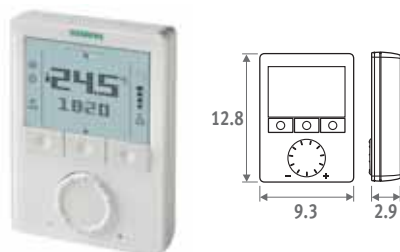


Fully removable internal mechanism for easy cleaning.

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..)

CLIMA CANAL - OPTIONS

CLOCK THERMOSTAT HEATING / COOLING



- automatic thermostat
- day / night and week program
- room regulator for one room
- automatic or manual changeover heating / cooling
- display with background lighting
- power supply 24 VDC
- output control 0-10 VDC
- valve control 0-10 VDC
- min. and max. temperature control

CODE €
8751.050009

CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



- 24 VDC thermoelectric drive
- valve G1/2" x M24 180°
- lockshield G1/2" x M24 180°
- pressure drop graph Jaga valve: see p. 175

set 94 Kv max. 0.6
TWO PIPE €

CODY.AA4.24.3... 24 VDC
CODY.AA4.10.3... 24 VDC (0..10 V)

fill in sleeve coupling code:
see shaded table beside

CONNECTION SET WITH 2 LOCKSHIELDS M24 180°

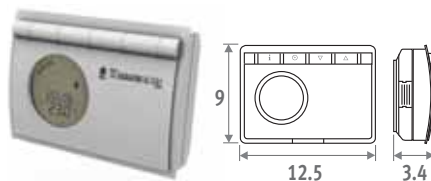


set 91

CODY.LOS.00.3... €

enter sleeve coupling code:
see shaded table beside

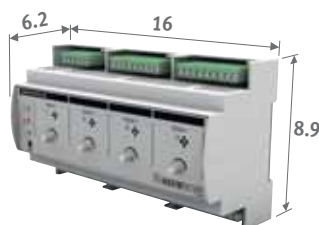
JAGA CLOCK THERMOSTAT HEATING / COOLING



- automatic thermostat
- day / night and week program
- activators: auto / continuous
- batteries included

CODE €
7990.073

CONTROL FOR MULTIPLE ROOMS



- control of multiple rooms (max. 4 zones)
- control of the heating installation
- control of the cooling installation
- control of three-way valves
- control of zone valves per room
- control of fans via 0-10 VDC signal
- manual adjustment of fan speed
- indication of the operating mode by means of LEDs
- for DIN rail mounting
- to be used with thermostats with volt free contacts (e.g. Jaga clock thermostat 7990.073)
- screw connectors

CODE €
7990.035

JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230V



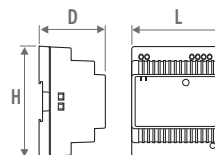
- only for mounting on the distributor, not in the Clima Canal
- with varistor to protect against power surge
- with position indicator (open/closed)
- sleeve couplings have to be provided by the installer

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

POWER SUPPLY



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



CODE	H	L	D
7990.050	9.3	7.8	5.6
7990.051	9.3	7.8	5.6
7990.052	9.3	10.0	5.6
7990.053	12.5	12.6	8.3

- for DIN-rail or wall mounting
- conformity: UL60950 - EN 60950 / Class 2
- output voltage 24 VDC
- input voltage 100 - 240 VAC
- screw connection
- LED indicator

CODE	Output Watts	Output current A	€
7990.050	36	1.5	
7990.051	60	2.5	
7990.052	100	4.2	
7990.053	240	10	

Required power = sum of the power consumption of the devices

MAXIMUM CABLE LENGTH

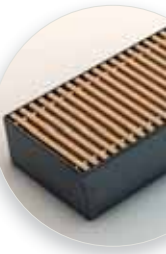
in function of the number of devices: see <http://catalogue.theradiatorfactory.com/ex#clima-canal>

SLEEVE COUPLINGS M24

PRECISION METAL TUBE		SYNTHETIC TUBE	
CODE	Tube Ø	CODE	Tube Ø
110	10/1	212	12/2
112	12/1	214	14/2
114	14/1	219	16/1.5
115	15/1	216	16/2
116	16/1	217	17/2
118	18/1	218	18/2

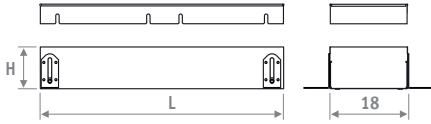
RPE/ALU TUBE		STEEL TUBE FOR C.H.	
CODE	Tube Ø	CODE	Tube Ø
314	14/2	501	M24 x 1/2"
316	16/2	503	M24 x 3/8"
326	16/2.2	Surcharge:	
318	18/2		

CLIMA CANAL - 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 8.5 > 13.3 cm
 - Clima Canal Hybrid 9.8 > 14.6 cm
- fine adjustment for alignment with the finished floor
- cover plate

Empty housing Clima Canal

ORDERING CODE CLCD. ^{code} 008 ^{height} 072 ^{length} 18 ^{width} ^{grille} BNA

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		

008 072
108
144
180

Empty housing Clima Canal Hybrid

ORDERING CODE CLCD. ^{code} 010 ^{height} 072 ^{length} 18 ^{width} ^{grille} BNA

H	L	BNA	BNC/XXX	BOV
		BON		BBV
		BBN		

010 072
108
144
180

MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

Height 4 cm x length 9 cm



CODE /VEN €

Add /VEN to the code of Clima Canal.
Example: CLCM. 008 072 18 /XXX /VEN

CORNER PIECE



- aluminium grille natural or lacquered
- casing with stainless steel grille support
- height adjustment:
 - Clima Canal 8.5 > 13.3 cm
 - Clima Canal Hybrid 9.8 > 14.6 cm
- fine adjustment for alignment with the finished floor

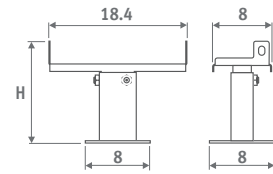
Corner piece Clima Canal

CODE €
CLCD.008 025 18/BNA Alu. natural
CLCD.008 025 18/BNC/... Alu. lacquered
fill in colour code

Corner piece Clima Canal Hybrid

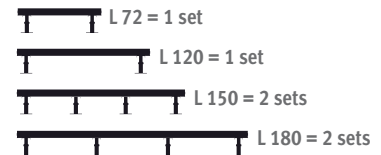
CODE €
CLCD.010 025 18/BNA Alu. natural
CLCD.010 025 18/BNC/... Alu. lacquered
fill in colour code

FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS

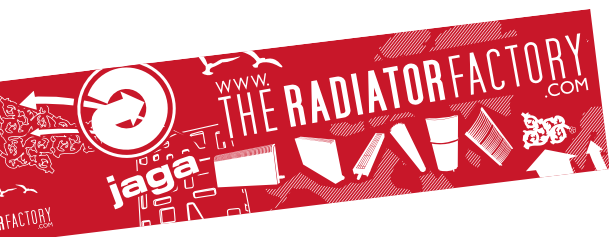


- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

Number of sets per Clima Canal



CODE	H	€/set
5209.05070000	5 > 7 cm	
5209.08130000	8 > 13 cm	
5209.13230000	13 > 23 cm	
5209.20300000	20 > 30 cm	



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