



jaga



*TOP
PERFORMERS*

QUATRO CANAL

€ 2016-2017.EX



TOP PERFORMERS
LOW-H₂O



QUATRO CANAL

Super-powered climate control for 4-pipe systems

Heating, cooling, ventilation.

Despite its compact dimensions, the Quatro Canal is a powerful main heating system, cooling unit and ventilation system, all in one. Quatro Canal provides the highest possible climate comfort quietly powerfully, and unobtrusively.

Compact and silent

The high-tech dynamic 4-pipe heat exchanger and the thermal activator provide an effortless transition from heating to cooling or vice versa. They have been designed to deliver a very high heat output and are perfect to provide effective cooling with dry as well as wet cooling systems.

Using the latest EC motors enables Quatro 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



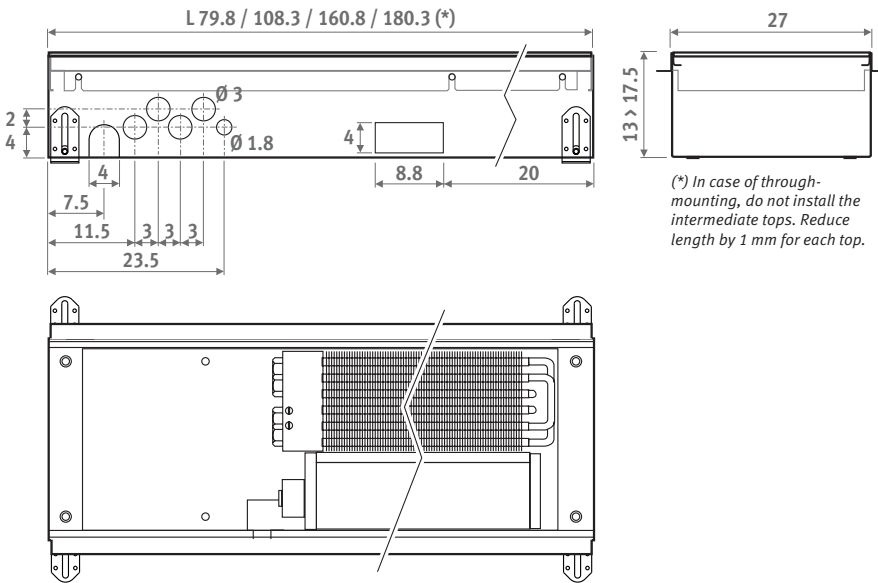
QUATRO CANAL



QUATRO CANAL - SUMMARY



DIMENSIONS (in cm)



(* In case of through-mounting, do not install the intermediate tops. Reduce length by 1 mm for each top.

ORDERING CODE

code	height	length	width	grille
QUAF . 013	080	27	/XXX	
enter 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 with separate circuits and stainless steel flexible connections 1/2", length 15
- Tangential EC thermic activator(s)

With energy efficient EC motor

HYDRAULIC CONNECTION

- 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 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 canal.

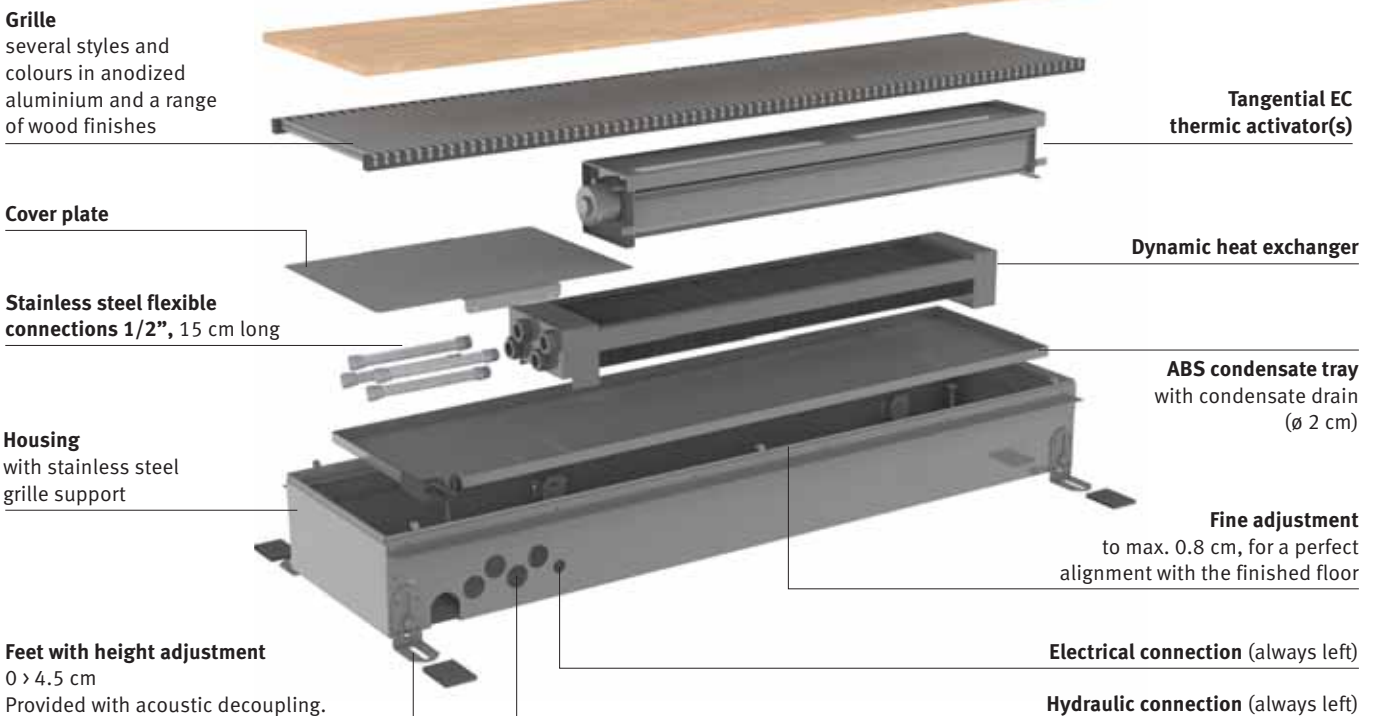
- The heat exchanger must always be kept accessible for maintenance purposes
- if the appliance is not mounted flat on the floor, the space between the bottom of the appliance and the floor should be filled with a stable filler material.

ELECTRICAL CONNECTION

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

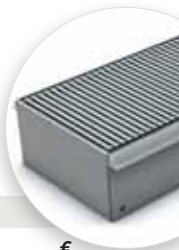
Complete installation and user manual see:
<http://www.theradiatorfactory.com>

COMPOSITION



QUATRO CANAL

QUAF. 013 080 27/ BNA



HEATING									COOLING											
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.	BNA BON BBN	BNC/XXX	BOV BBV			
H	L	B																		
013	80	27	1140	780	735	684	468	441	285	195	184	307	230	198	246	181	158	845,10	972,00	929,70
	110		1840	1400	1187	1104	840	712	460	350	297	544	400	350	435	320	280	1024,20	1177,70	1126,80
	160		2880	2150	1858	1728	1290	1115	720	538	465	851	625	548	681	501	438	1482,30	1704,60	1630,40
	180		3578	2600	2308	2147	1560	1385	895	650	577	1088	805	700	870	640	560	1641,60	1887,80	1805,90

EN442 output at 20°C room temperature

TECHNICAL DATA

			FAN	SOUND PRESSURE**			RATED INPUT			AIR FLOW	WATER FLOW	
			Number	dB(A)			Watts			m³/h	l/h	l/h
				max.*	med.*	min.*	max.*	med.*	min.*	max.*	heating max.*	cooling max.*
H	L	B										
013	80	27	1	38.0	29.5	20.0	8.5	4.0	2.0	90	98	53
	110		1	39.0	30.5	21.0	14.0	6.0	2.5	170	158	94
	160		2	41.0	32.5	23.0	22.0	10.5	4.5	260	247	146
	180		2	42.0	33.5	24.0	28.0	13.0	5.5	340	307	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



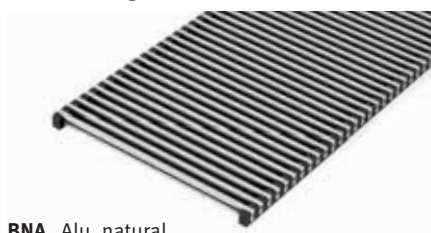
BON Oak
BOV Oak varnished



BBN Beech
BBV Beech varnished



Aluminium grilles



BNA Alu. natural



BNC/XXX Alu. lacquered



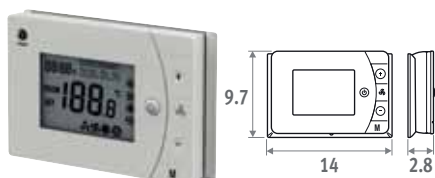
To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

QUATRO CANAL - OPTIONS

CLOCK THERMOSTATS HEATING / COOLING

- automatic thermostat for 4-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
- 3 programmable zones: 5+1+1
- LCD display with background lighting
- protection category IP30

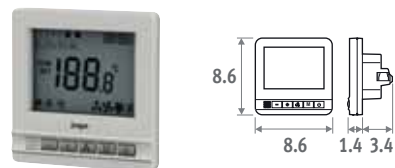
Jaga clock thermostat for wall mounting



- 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	71,30

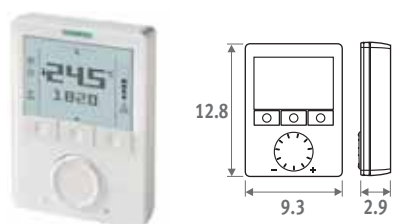
Jaga clock thermostat for recessed/panel mounting



- 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	75,50

Siemens clock thermostat for wall mounting



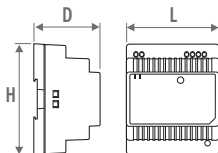
- unlimited adjustment possibilities: 74 features and diagnostic test
- Detailed information: downloads.theradiatorfactory.com/download-center/general/SiemensRDG160T.zip

CODE		€
8751.050009	wall mounted	223,70

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	85,20
7990.051	60	2.5	109,10
7990.052	100	4.2	132,70
7990.053	240	10	147,00

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#quatro-canal>

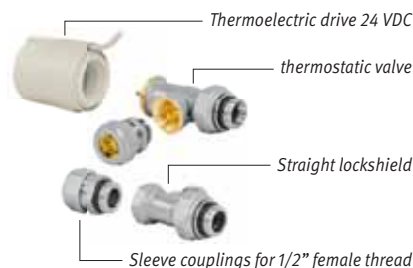
JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230V



- only for mounting on the distributor, not in the Quatro 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	77,80
7990.411	180° - G3/4" F / NG 230V 2Watts	87,80

CONNECTION SET WITH JAGA TWO-WAY VALVE 24 VDC



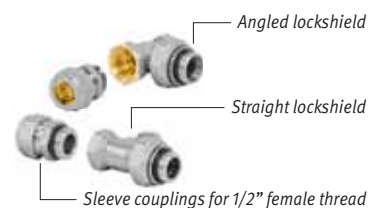
- 24 VDC thermoelectric drive
- valve G1/2" x G1/2" 90°
- lockshield G1/2" x G1/2" 180°
- pressure drop graph Jaga valve: see p. 176

set 97	Kv max. 0.6	TWO PIPE	€
CODY.JA4.24.2...		24 VDC	72,50

set 98	Kv 1.0 - without pre-setting	TWO PIPE	€
CODY.WA4.24.2...		24 VDC	74,50

fill in sleeve coupling code: see below

CONNECTION SET WITH 2 LOCKSHIELDS G 1/2"



set 99		€
CODY.LOM.00.2...		32,00

fill in sleeve coupling code: see below

SLEEVE COUPLINGS G1/2"

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

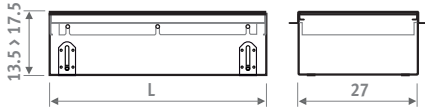
RPE/ALU TUBE		STEEL TUBE FOR C.H.	
CODE	Tube Ø	CODE	Tube Ø
314	14/2	502	1/2" x 1/2"
316	16/2	504	1/2" x 3/8"
326	16/2.2	Surcharge: 2,30 €	
318	18/2		

OPTIONS - QUATRO CANAL



EMPTY HOUSING

To fill open spaces for a continuous installation.



- aluminium or wooden grille
- casing with stainless steel grille support
- height adjustment and fine adjustment for alignment with the finished floor
- cover plate

code height length width grille
ORDERING CODE QUAD. 013 080 27 /BNA

L	BNA BON BBN	BNC/XXX	BOV BBV
080	378,00	434,70	415,80
110	417,60	480,20	459,50
160	527,40	606,60	580,10
180	582,30	669,60	640,40

CORNER PIECE

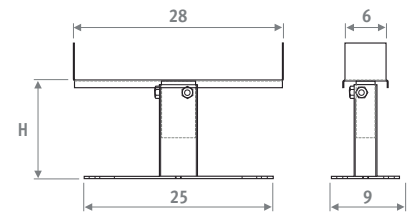


- aluminium grille natural or lacquered
- housing with stainless steel grille support
- height adjustment
- fine adjustment for alignment with the finished floor

CODE		€
QUAD.013 039 27/BNA	Alu. natural	553,00
QUAD.013 039 27/BNC/ ...	Alu. lacquered	636,00

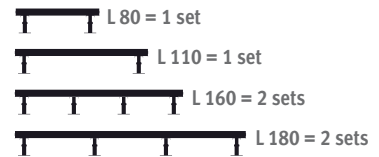
enter colour code

FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS

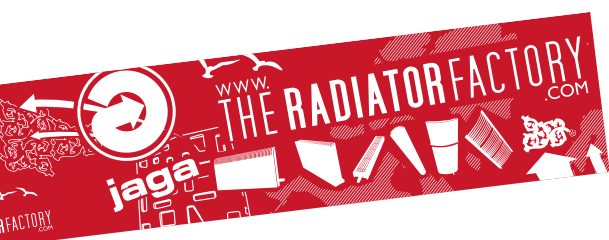


- lacquered in dark grey RAL 7024.
- easy installation by means of screws
- 1 set includes 2 height adjusting controls

Number of sets per Quatro Canal



CODE	H	€/set
5208.05070000	5 > 7 cm	58,10
5208.08130000	8 > 13 cm	59,00
5208.13230000	13 > 23 cm	61,70
5208.20300000	20 > 30 cm	63,00



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The information in this price list is correct at the time of printing.
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 1st August 2016.
Replaces all existing price lists.