

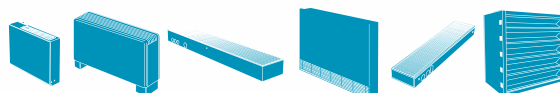


jaga

MICRO CANAL

TOP
PERFORMERS

BROCHURE € 2012-2013.EX





TOP PERFORMERS
LOW-H₂O

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-H₂O 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 freedom to execute each architectural project without making any compromises for the heating system.

By using **the latest EC motors**, Micro Canals consume up to 50% less electrical energy

Trench heating with Low-H₂O
30% more economical ! See page 18.





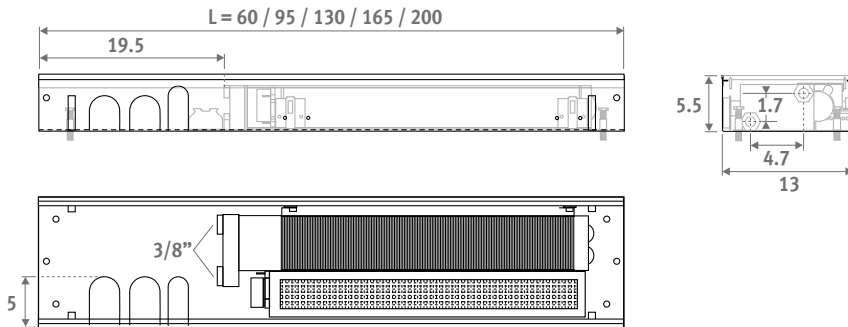
MICRO CANAL

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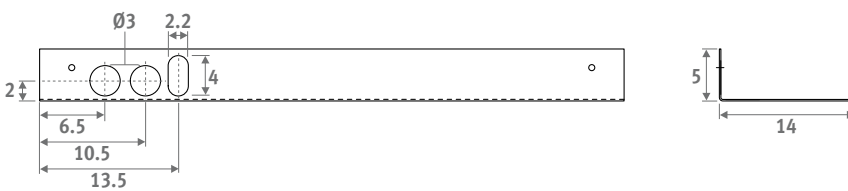


DIMENSIONS (in cm)

Inner casing



Outer casing



ORDERING CODE

code	height	length	type	grille	colour
MIRF .	006	060	14 .	/SSS	/XXX

fill in colour code with laquered grille

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 (L 15 > 25 cm)
- height adjustment with fine adjustment for alignment with the finished floor.
- automatic activator on/off switch by means of temperature sensor

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 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

- clamp connector for electrical connection 24VDC to the right, to be connected via external power supply. Install a thermostat with a potential-free contact to control the water supply with the help of a zone valve. Micro Canal automatically switches on the activators via a temperature sensor.

COMPOSITION

Stainless steel grille(s).



Stainless steel air filter

Tangential EC thermic activator(s)



Dynamic heat exchanger

Stainless steel flexible connections 1/2"
Length 15 cm



Inner casing
with stainless steel
grille support

Fine adjustment
up to 1 cm, for a perfect
alignment with the
finished floor



Outer casing

Anchoring of the inner
housing after fine adjustment



Connections always on the left

Anchorage elements / height control from 6.2 to 8 cm

MICRO CANAL

MIRF.HHH LLL TT/XXX



H L T	HEATING			ACTI-VATORS quantity	SOUND PRESSURE* dB(A)	RATED INPUT Watts	AIR FLOW with clean filters m³/h	WATER FLOW litre/h	€ /SSS	€ /SSC/XXX
	Watts 75/65/20°C	Watts 55/45/20°C	Watts 35/30/20°C							
006 060 14	390	234	121	1	18.0	1.3	34	34	641,00	705,20
095	780	468	242	1	21.0	1.7	57	67	940,20	1034,10
130	1170	702	363	1	22.8	2.0	101	101	1255,50	1381,10
165	1560	936	484	2	24.0	3.4	134	134	1576,60	1734,30
200	1950	1170	604	2	25.0	3.7	168	168	1886,10	2074,70

EN442 output at 20°C room temperature

* Height 1 metre, 2 metres from the air exhaust grille.

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

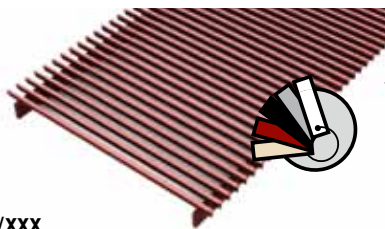
OVERVIEW GRILLES

Stainless steel grilles



SSS
stainless steel

Stainless steel grilles lacquered

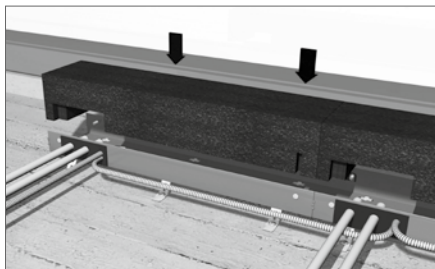


SSC/XXX
stainless steel lacquered

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..)

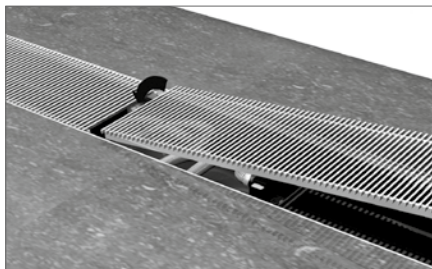
Complete installation and user's manual see:
www.theradiatorfactory.com

ASSEMBLY & PROTECTION BLOCK



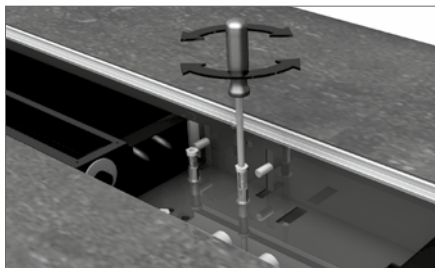
Install the polyethylene protective block(s) as protection on the construction site.

DESIGN GRILLES



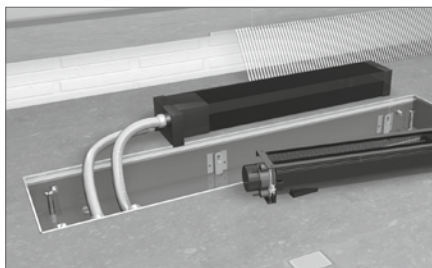
Continuous design grille of stainless steel grilles.

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).

FLEXIBLE CONNECTION



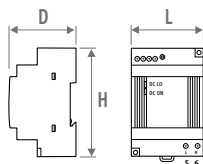
Stainless steel flexible hoses (15 to 25 cm), enabling the internal mechanism to be removed completely for easy cleaning.

MICRO CANAL - OPTIONS

POWER SUPPLY



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



Code	H	L	D
7990.050	9.1	5.3	5.5
7990.051	9.1	7.1	5.5
7990.052	9.1	8.9	5.5
7990.053	12.5	8.3	11.6

- for DIN-rail or wall mounting
- safety: UL1310 Class 2
- output voltage between 24 - 28 VDC
- input voltage 90 - 264 VAC
- screw connection
- LED display
green = on
red = DC low power / short circuit

CODE	Output	Output	€
	Watts	current A	
7990.050	31	1.3	85,45
7990.051	60	2.5	109,30
7990.052	100	4.2	133,00
7990.053	240	10	147,30

Required power = sum of the power consumption of the devices

MAX. CABLE LENGTH (in metre)

Number of ventilators	Min. cable thickness mm ²				
	2.5	1.5	1	0.75	0.5
5	411	247	165	123	82
10	206	123	82	62	41
15	137	82	55	41	27
20	103	62	41	31	21
25	82	49	33	25	16
30	68	41	27	21	14
35	59	35	24	18	12
40	51	31	21	15	10
45	46	27	18	14	9
50	41	25	16	12	8

Cable length in function of the number of fans (max. tension loss 5%)

CONNECTION SET 24 VDC



CODE	Description	€
7990.210	180° - G1/2" F / NG 24V 2Watts	100,00

- with varistor to protect against overvoltage
- with position indicator (open/closed)

JAGA TWO-WAY VALVE AND MOTOR 230V



CODE	Description	€
7990.409	180° - G1/2" F / NG 230V 2Watts	78,00
7990.411	180° - G3/4" F / NG 230V 2Watts	88,00

- only for mounting on the distributor, not in the Micro Canal!
- with varistor to protect against overvoltage
- with position indicator (open/closed)

VALVE UNIT



- length 35 cm
- motorised thermostatic valve 24 VDC with lockshield
- 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/VC	348,70
7522.00603514/SSC/.../VC	383,90

fill in colour code

Jaga Thermostatic valve 5090.405
motor 24 VDC



lockshield 5090.110

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

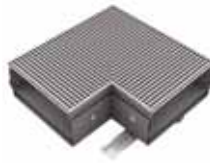
CODE	L	€
7522.00603514/SSS	35	254,00
7522.00606014/SSS	60	339,90
7522.00609514/SSS	95	480,70
7522.00613014/SSS	130	630,30
7522.00616514/SSS	165	775,50
7522.00620014/SSS	200	926,20

Empty housing with lacquered stainless steel grille

CODE	L	€
7522.00603514/SSC/ ...	35	279,00
7522.00606014/SSC/ ...	60	401,50
7522.00609514/SSC/ ...	95	569,80
7522.00613014/SSC/ ...	130	750,20
7522.00616514/SSC/ ...	165	926,20
7522.00620014/SSC/ ...	200	1105,50

fill in colour code

CORNER PIECE

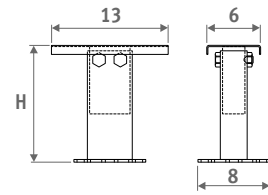


- aluminium grille in stainless steel effect (SSS), or lacquered in other Jaga colours (SSC)
- outer casing with anchorage elements
- polyethylene-protective mounting block(s)
- fully assembled inner housing with stainless steel grille support
- height adjustment with fine adjustment for alignment with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

CODE		€
7522.00602014/SSS	Natural	236,50
7522.00602014/SSC/...	lacquered	259,60

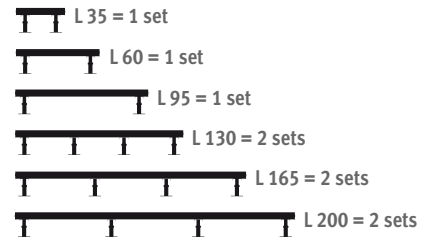
fill in colour code

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



CODE	H	€/set
5207.05070000	5 > 7 cm	39,00
5207.08130000	8 > 13 cm	40,20
5207.13230000	13 > 23 cm	42,40
5207.20300000	20 > 30 cm	43,10

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