



jaga

NEW

MINI CANAL DBE
300% higher heating output
For condensing boilers, heat pumps
and solar energy systems.

DBE
Dynamic Boost Effect

JAGA MINI CANAL DBE

THE PERFECT PARTNER FOR UNDERFLOOR HEATING

MINI CANAL DBE ENSURES OPTIMAL COMFORT

Mini Canal DBE reacts very quickly and is easily controlled. In comparison underfloor heating is slow. A combination of both systems can give you the ultimate heating comfort.

MINI CANAL DBE REDUCES ENERGY CONSUMPTION

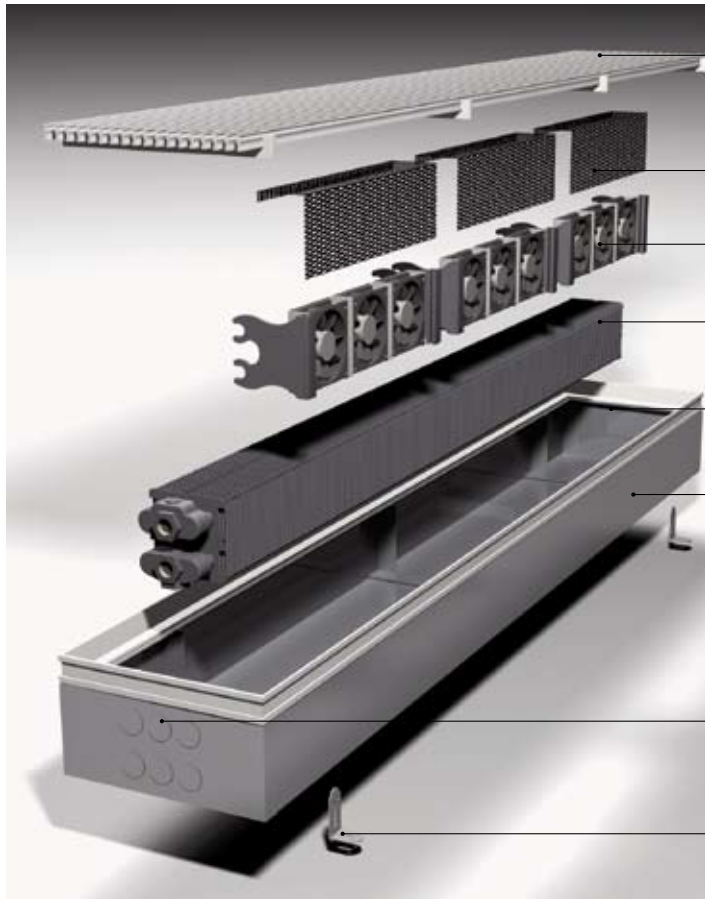
Underfloor heating is heavy and therefore slow to react. Mini Canal DBE is light and has very little thermal inertia, and so warms up (and equally importantly, cools down) very quickly. Due to this the actual heating period is much shorter. This means that you only need enough energy to heat up the room, and do not have to waste energy heating up a heavy floor!

MAXIMUM EFFICIENCY DURING THE OFF SEASON

The off season (spring and autumn) is well known for its large temperature fluctuation. It is often too warm to use underfloor heating during the day but in the evening and mornings it can be cold. The fast reacting DBE system is ideal to compensate these peaks. At the beginning & end of the year, or even during bad weather in the summer, the DBE system offers more comfort than the underfloor heating systems, and with a much lower energy consumption.

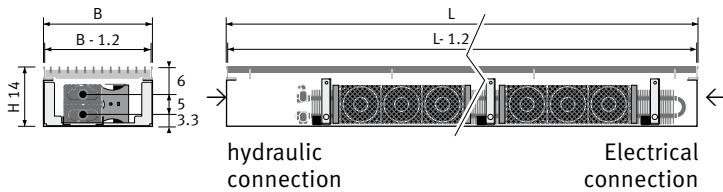


STANDARD DELIVERY



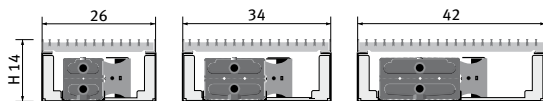
- Grille available in several design types and colours in anodized aluminium, several sorts of wood and stainless steel.
- Protection grille
- DBE units
- Low-H₂O heat exchanger made of copper and aluminium, made "invisible" by a dark grey lacquer (RAL 7024).
- Electrical connection
Take 12 VDC supply.
- Mini duct from Sendzimir galvanized and dark grey lacquered steel plate; thickness 1 mm, with connection holes on all sides.
- Seals for the connection holes, made of black synthetic material. Hydraulic connection always on the left hand side (Connection on the right hand side on request).
- (Option) Easy height adjustment for uneven floors.

DIMENSIONS

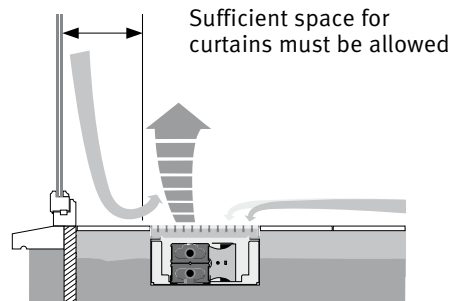


! Building in-opening: height H + 1 cm!

RANGE



OPERATING PRINCIPAL



Installation

The Mini Canal DBE is supplied completely mounted and ready for use.

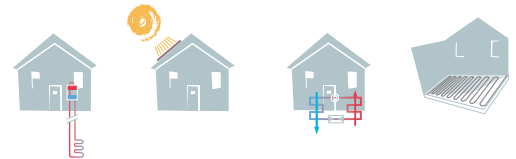
Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches.

Installation

- Position level on the finished floor by means of anchoring irons or optional height control.
- Lead through the conduits and close the leadthrough openings.
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

FOR “LOW WATER TEMPERATURE” SYSTEMS

Heat pumps, solar energy systems and even modern modulating condensing boilers work most efficiently at lower water flow temperatures, often as low as 35°, and so normally need much larger heat emitters. No problem for Mini Canal DBE as it can deliver more than 3 times the output of a conventional trench heating solution. Mini Canal DBE not only delivers the same output as much bigger alternative solutions, but does it 5 times faster!

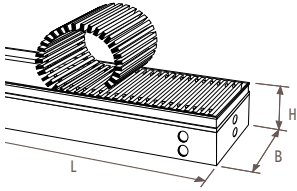


OUTPUTS		ORDERING CODE: MICU. 014 110 26/ DON /DBE												
H	B	watts	L	110	130	150	170	190	210	230	250	270	290	310
014	26	35/30/20		227	244	339	435	453	548	566	661	679	774	870
		55/45/20		609	657	913	1169	1218	1474	1522	1778	1827	2082	2339
		75/65/20		1085	1171	1626	2083	2169	2625	2711	3167	3254	3709	4166
34	34	35/30/20		294	319	442	564	589	711	736	858	883	1006	1128
		55/45/20		792	857	1187	1517	1583	1913	1979	2309	2374	2705	3034
		75/65/20		1410	1527	2115	2702	2820	3407	3525	4112	4229	4817	5404
42	42	35/30/20		374	408	562	716	749	903	936	1090	1123	1277	1432
		55/45/20		1007	1096	1510	1925	2014	2428	2517	2932	3021	3435	3850
		75/65/20		1793	1952	2690	3428	3587	4325	4438	5222	5380	6118	6857



Output calculated in accordance with EN442, at a water temperature of 75/65 and a room temperature of 20°C (75/65/20).

GRILLES



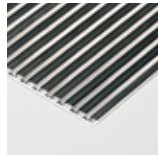
**DESIGNO ROLL-UP
WOODEN GRILLES**



DON Designo oak natural
 DBN Designo beech natural
 DMN Designo merbau natural

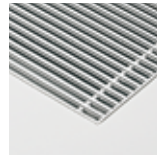
 DOV Designo oak varnished
 DBV Designo beech varnished
 DMV Designo merbau varnished

**ROLL-UP GRILLE
STAINLESS STEEL**

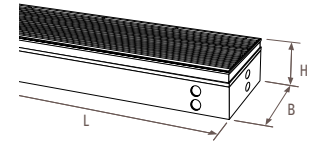


RSS Stainless steel

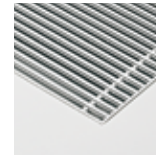
**DESIGNO RIGID GRILLE
ALUMINIUM**



DNA Designo aluminium natural coloured
 DBL Designo aluminium black
 DDB Designo aluminium dark brown
 DBR Designo aluminium brass coloured



**DESIGNO RIGID ALUMI-
NIUM LACQUERED**



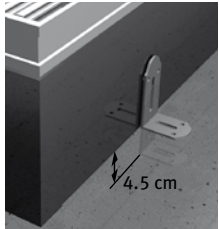
32 colours

DNC Designo aluminium lacquered

 Order code fill up in colour code (see Jaga colour chart p. 11),
 Ex. MICU. 014 110 26. ... /DNC/DBE.
 L colour

OPTIONS

HEIGHT CONTROL



Advized numbers for length:
 110 + 120 cm 2 sets
 130 > 190 cm 3 sets
 210 cm 4 sets
 230 > 310 cm 5 sets



CODE	height control
7690.01	0 - 4.5 cm
7690.04	4.5 - 13 cm

FLEXIBLE CONNECTIONS

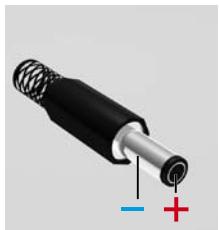
CODE	
7990.070	Flexible connections

EPDM with stainless steel braid.
 Length 40 cm.

CODE	
7990.069	Flexible connections

RVS - top quality stainless steel.
 Length 20 cm, extendable to ±25 cm.

POWER PLUG 12V DC



⚠ Connection 12 VDC
 Take into account the + and - when using your own power supply. If not, the Control unit will be damaged.

CODE	Power plug
2480.00050001	0 - 4.5 cm

Connection sets:

Detailed info: p. 169 Jaga Energy Savers



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