



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

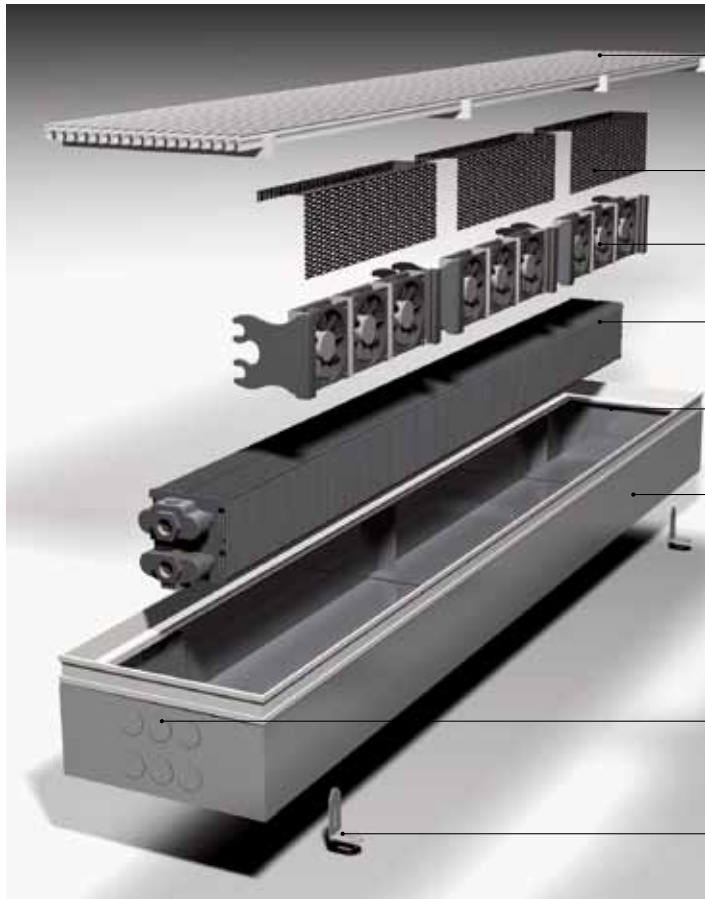
Underfloor heating is heavy and therefore slow to react. Mini Canal DBE is light and has very little thermal inertia, and so warms up (and equally importantly, cools down) very quickly. Due to this the actual heating period is much shorter. This means that you only need enough energy to heat up the room, 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.

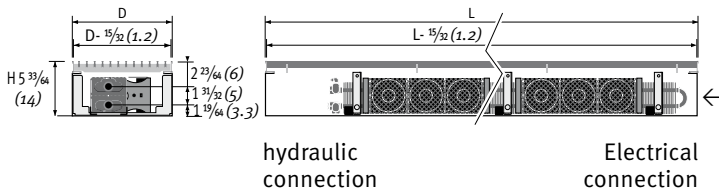
Electrical connection
Take 12 VDC supply.

Mini duct from Sendzimir galvanized and dark grey lacquered steel plate; thickness 0.04", 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).

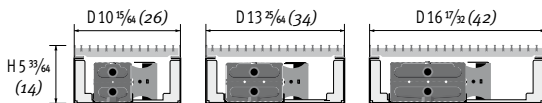
(Option) Easy height adjustment for uneven floors.

DIMENSIONS



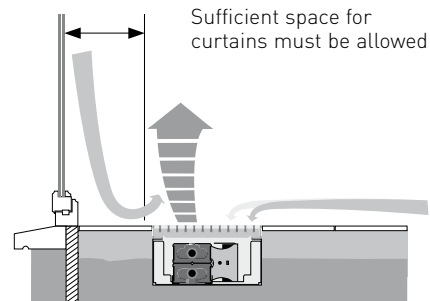
! Building in-opening: height H + 0.4"!

RANGE



Note: dimensions in "()" are shown in centimeters.

OPERATING PRINCIPAL



Installation

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

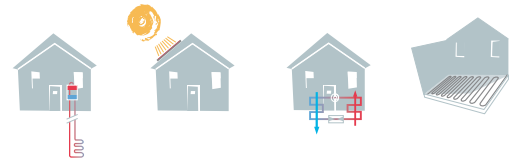
Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches.

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 95°F, 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!



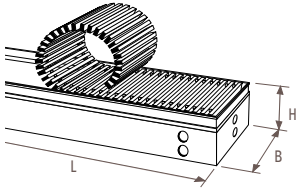
OUTPUTS		ORDERING CODE: MDCL. 014 110 26 /XXX											
mean T	H	D	L 43.5"	51.5"	59"	23"	67"	82.5"	90.5"	98.5"	106"	114"	122"
°F (°C)			(110)	(130)	(150)	(170)	(190)	(210)	(230)	(250)	(270)	(290)	(310)
170 (77.7)	5.5"	10"	4403	6254	8101	8454	10305	10654	12505	12854	14709	16556	16909
160 (71.1)	(14)	(26)	3932	5585	7235	7550	9203	9515	11168	11479	13136	14785	15101
130 (54.4)			2561	3637	4712	4917	5993	6197	7273	7476	8555	9629	9834
110 (43.3)			1690	2401	3109	3245	3955	4089	4800	4934	5646	6355	6490
170 (77.7)	13.5"		5722	8105	10492	10967	13353	13828	16215	16690	19072	21459	21934
160 (71.1)	(34)		5111	7238	9370	9794	11925	12349	14481	14905	17033	19164	19588
130 (54.4)			3328	4714	6102	6378	7766	8043	9431	9707	11093	12481	12757
110 (43.3)			2196	3111	4027	4209	5126	5308	6224	6406	7321	8237	8419
170 (77.7)	16.5"		7277	10277	13272	13913	16913	17554	20550	21195	24190	27186	27831
160 (71.1)	(42)		6499	9178	11853	12425	15104	15677	18352	18928	21604	24279	24855
130 (54.4)			4232	5977	7719	8092	9837	10210	11952	12327	14070	15812	16187
110 (43.3)			2793	3945	5094	5341	6492	6738	7888	8136	9286	10436	10683



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



GRILLES



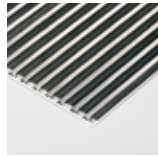
**DESIGNO ROLL-UP
WOODEN GRILLES**



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

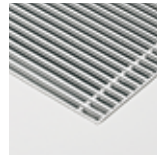
 DOV Designo oak varnished
 DBV Designo beech varnished
 DMV Designo merbau varnished

**ROLL-UP GRILLE
STAINLESS STEEL**

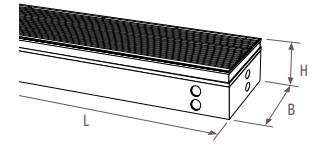


RSS Stainless steel

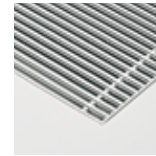
**DESIGNO RIGID GRILLE
ALUMINIUM**



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



**DESIGNO RIGID ALUMI-
NIUM LACQUERED**



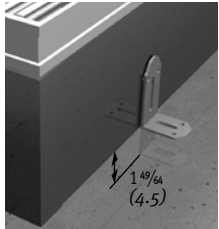
32 colours

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



Advised numbers for length:

43 ³ / ₁₆ > 47 ¹ / ₄ (110 > 120)	2 sets
51 ³ / ₁₆ > 74 ⁵ / ₆₄ (130 > 190)	3 sets
82 ⁴ / ₆₄ (210)	4 sets
90 ³ / ₆₄ > 122 ³ / ₆₄ (210 > 310)	5 sets



CODE	height control
7690.01	from 0 to 1 ⁴⁹ / ₆₄ (from 0 to 4.5)
7690.04	from 1 ⁴⁹ / ₆₄ to 5 ¹ / ₈ (from 4.5 to 13)

FLEXIBLE CONNECTIONS

CODE	
7990.070	Flexible connections

EPDM with stainless steel braid.
 Length 15 ³/₄ (40).

CODE	
7990.069	Flexible connections

RVS - top quality stainless steel.
 Length 7 ⁷/₈ (20), extendable to ± 9 ²⁷/₃₂ (25).

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	from 0 to 1 ⁴⁹ / ₆₄ (from 0 to 4.5)

Note: dimensions in "()" are shown in centimeters.

Connection sets:

Detailed info: p. 169 Jaga Energy Savers



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