

TRENCH CLIMATE CONVECTORS

LOW WATER CONTENT CONVECTORS FOR HEATING AND COOLING





jaga

CLIMATE DESIGNERS

Climate change and evolution of construction techniques demand new ecological solutions for heating, cooling and ventilation.

New technologies have to consume far less energy. They have to ensure a better indoor climate without damaging the outdoor climate. Traditional systems with fire and carbon emissions have to be extinguished. We have to evolve towards a green flame and build a sustainable path towards a better future. Choosing the sustainable path is no longer a matter of choice, it's an obligation.

Always honouring its values, Jaga Climate Designers continually look for the most ecological solutions for heating, cooling and ventilation.

***A COMFORTABLE INDOOR
CLIMATE YEAR ROUND
WITH MINIMAL IMPACT ON
THE OUTDOOR CLIMATE***

*Dynamic
heating and
cooling convectors
that optimise
renewable energy*

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SEAMLESS SOLUTIONS FOR DESIGNER BUILDINGS

THE ARCHITECT’S CHOICE

Trench climate convectors can be integrated into any type of building, but they’re commonly specified for buildings with large glazed façades due to the limited wall space and the desire for a subtle solution that does not obstruct the natural daylight or aesthetics.

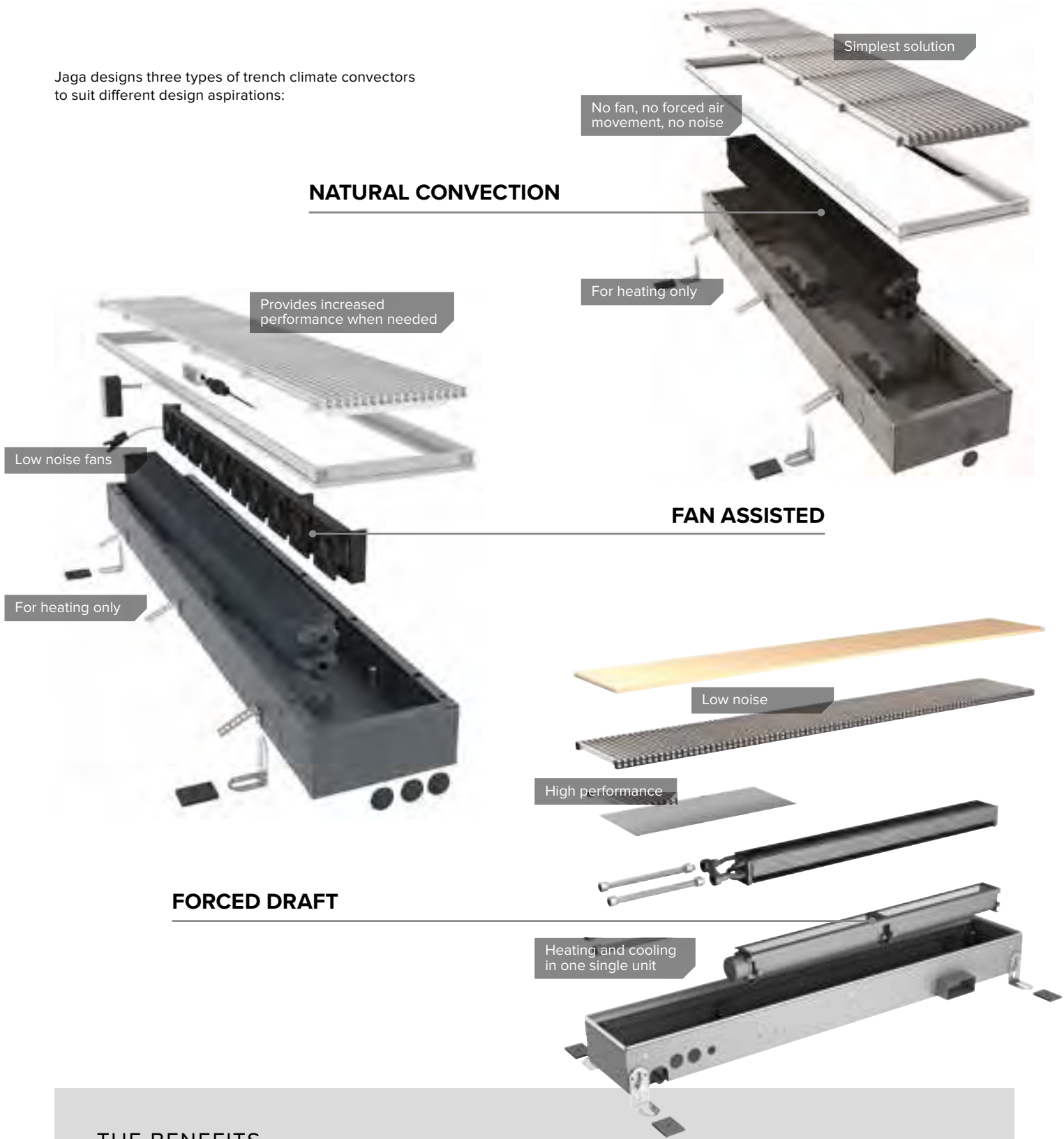
For mechanical engineers, highly glazed buildings can pose a challenge in terms of the associated solar heat gain, heat loss and the possibility of cold draughts.

With high outputs, even at low flow temperatures, Jaga’s trench convectors offer a complete climate solution, with the ability to provide heating, light cooling (non-condensing), deep cooling (condensing) and ventilation all from one unit.

They can also be used to effectively screen cold air and avoid condensation on large windows, or supply supplementary heat.

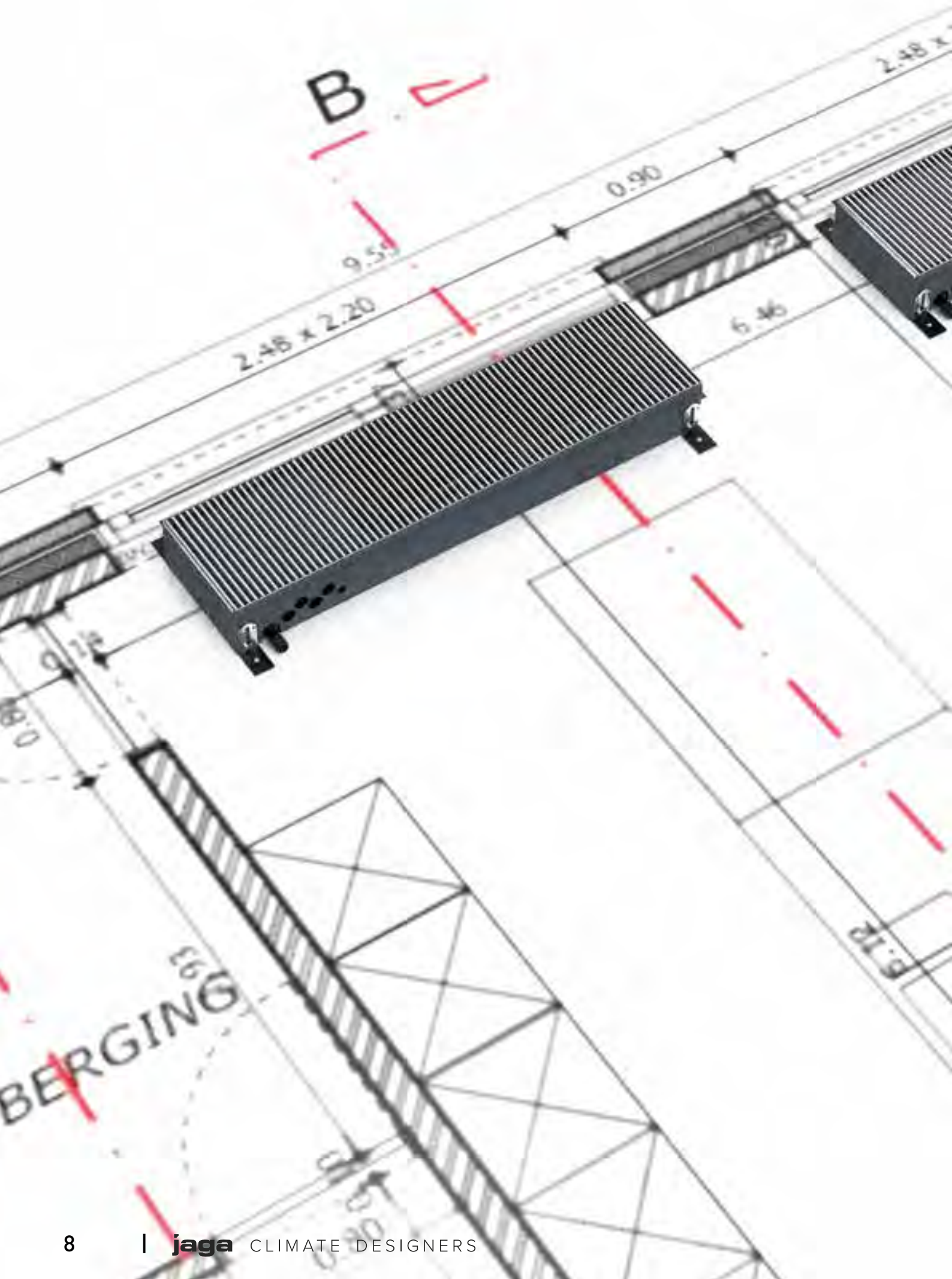
-  Highly glazed buildings
-  Buildings with limited wall space
-  Residential apartment blocks
-  Public buildings
-  Educational environments
-  Healthcare settings
-  Places of worship

Jaga designs three types of trench climate convectors to suit different design aspirations:



THE BENEFITS

- Heating, cooling and ventilation from one unit
- Maximises lettable or living space
- Architecturally pleasing
- Compact and discreet
- Suitable for low water temperature systems
- Energy-efficient
- Powerful heating and cooling performance for full or partial load
- Speed controllable
- Low maintenance
- Can be used to lay or install other services and equipment



DESIGNED TO MEASURE

Jaga designs the most energy-efficient and aesthetic solutions, tailor-made to meet your project's needs and specifications. This way you don't have to limit your creativity due to the HVAC requirements.

With depths starting at just 65 mm, our dynamic trench convectors are discreet yet powerful and fit seamlessly into the fabric of the building. They can be installed either in screed or within a raised floor, depending on the desired height, or underneath floor-to-ceiling glazing.

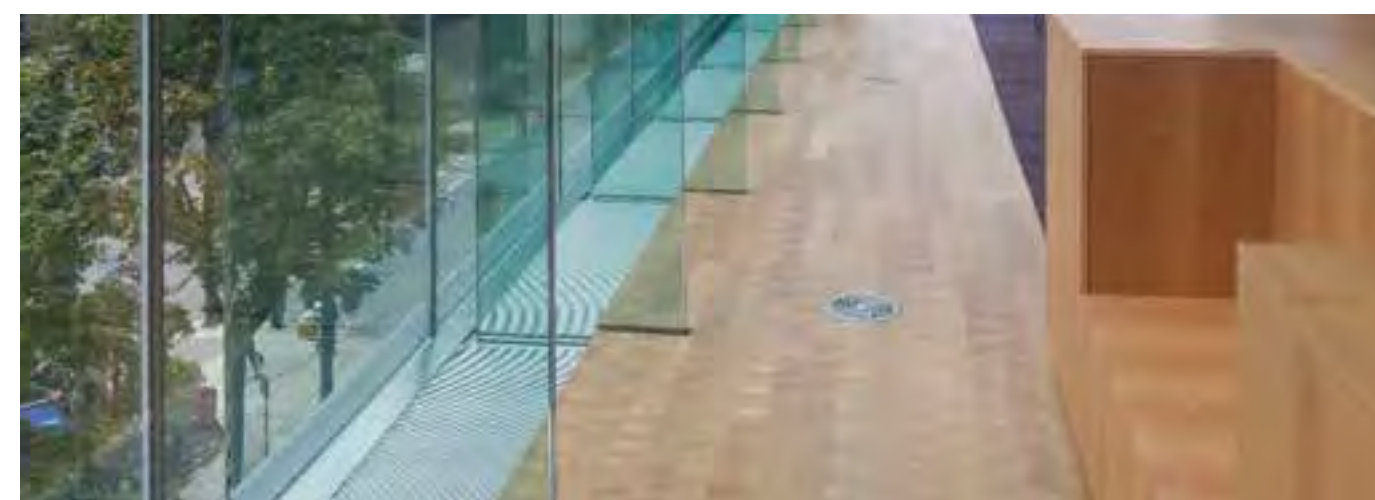
In the Jaga Experience Lab, a unique EN 442 and EN 16430 certified climate laboratory, we can simulate and test any customised solution and climate situation with temperatures down to -30°C.

Our SafeContractor approved, high quality installation service is available for contractors nationwide, this includes:

- Site visit
- Detailed site measure
- Production of detailed drawings prior to manufacture
- Full installation including mounting, securing, connecting runs and corners, fitting grilles, and final levelling adjustments



Clima Canal: Installation



Clima Canal: Finished

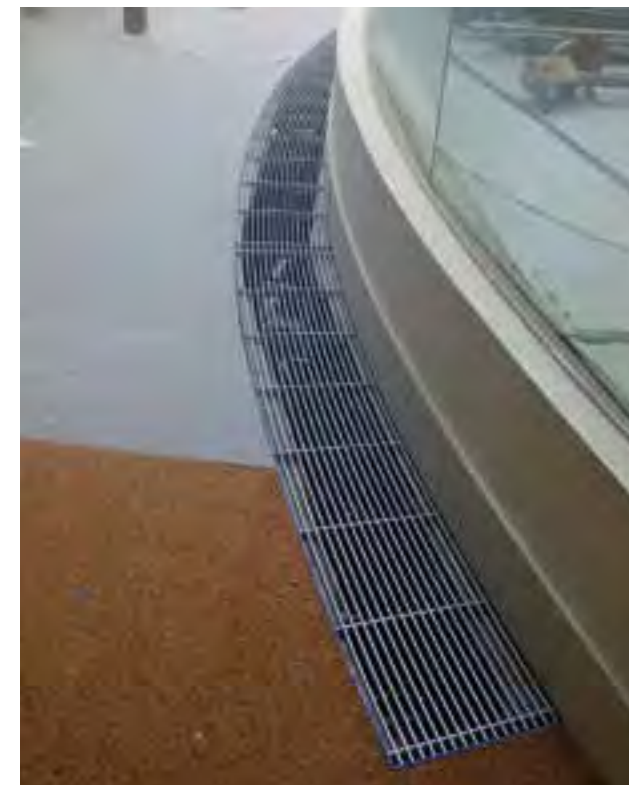
CLEAN, FRESH AIR AND ARCHITECTURAL FREEDOM

To help improve indoor air quality and thermal comfort for occupants, all Jaga trench climate convectors can provide ventilation via a fresh air duct.

This is achieved through spigots being incorporated into the trench unit which can be connected to contractor duct work to introduce fresh air.

Jaga Clima Canal not only fits in the floor, but can be installed in various ways. The numerous installation options ensure architectural freedom.

Matching custom grilles are available in every colour and size.



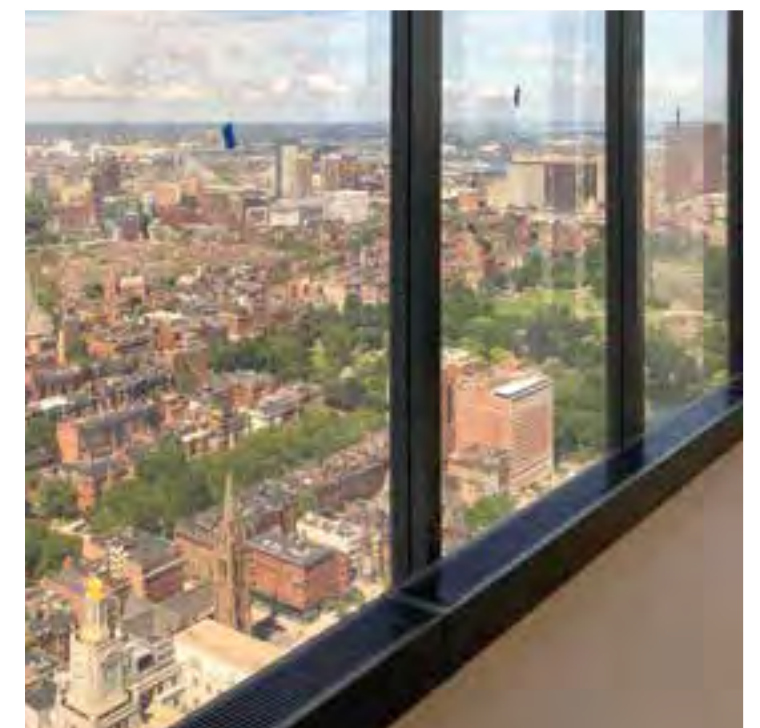
Curved trench



Trench incorporating lighting



Clima Slim



Floor mounted



Bespoke corners



Continuous runs with clean corners

MINI CANAL

Minimal recess depth

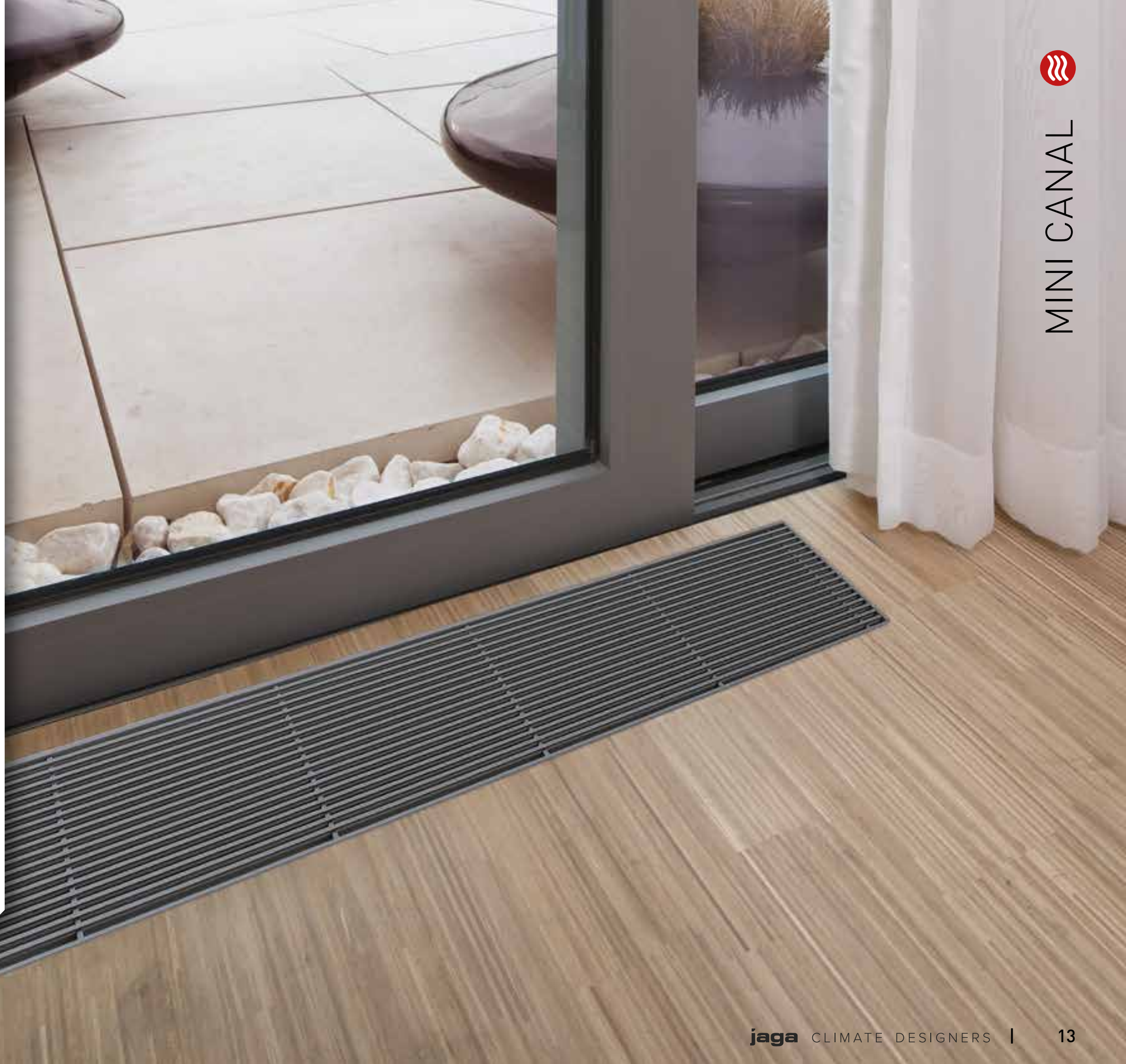
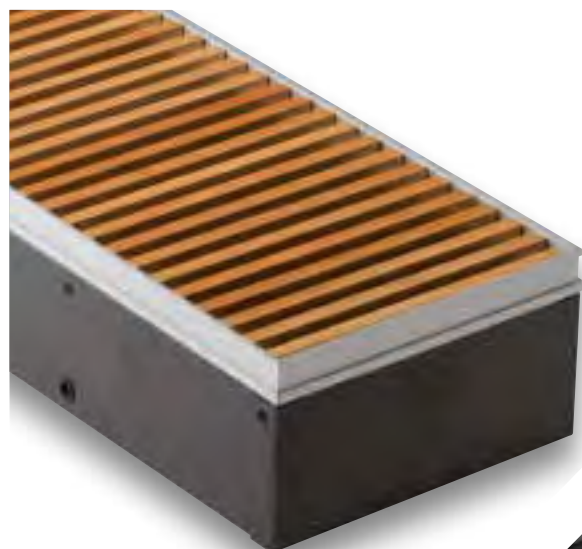
For spaces with large windows, glazed façades, conservatories, display windows and offices. From a depth of 90 mm, Mini Canal is the perfect solution for multi-storey buildings and computer floors.

Hidden under the grille is an ultra fast Low-H₂O element. The internal elements of the Mini Canal have been made 'invisible', using lacquered dark grey components. The grille cover can be perfectly tailored to match the floor or the interior design.

- Depth from 90 mm.
- Delivered ready-to-use , fully assembled and factory tested.
- A range of grilles for every interior.
- Low-H₂O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- **A 30 year guarantee** on the heat exchanger.

OAK varnished

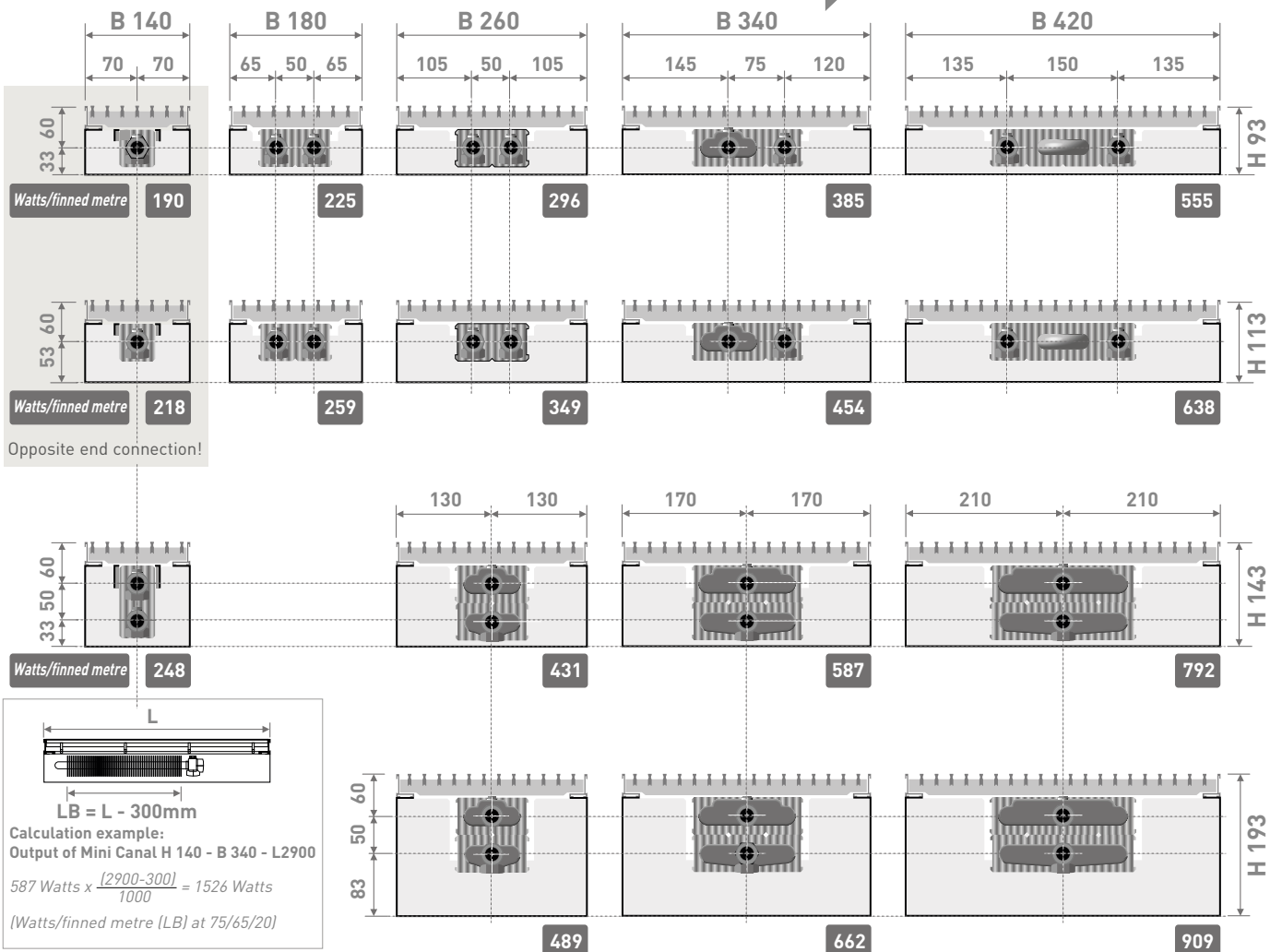
ALU LACQUERED gray granite (028) ►



MINI CANAL

MINI CANAL - SUMMARY

PRODUCT SUMMARY



ORDERING CODE

WITH FRAME (L-PROFILE)

code height length width grille
MICL . 009 110 14 . /XXX
fill in grille code

WITH COVER FRAME (Z-PROFILE)

code height length width grille
MICZ . 009 110 14 . /XXX
fill in grille code

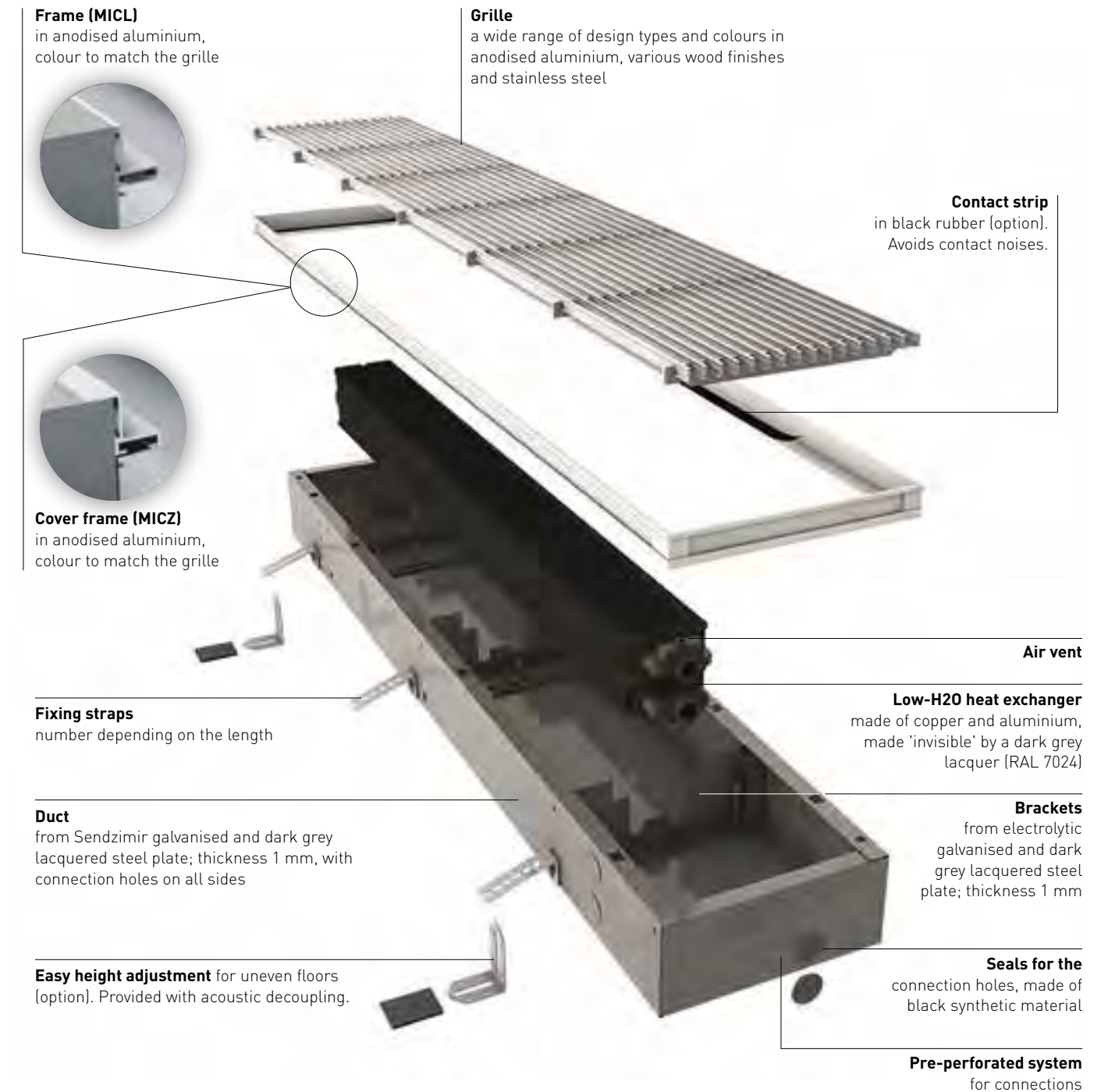
DELIVERY

Product is made to order, please contact our sales department on 01531 631 533 for further information.

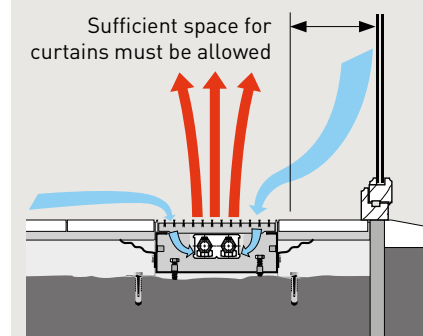
Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

COMPOSITION - MINI CANAL

DESIGNO ALUMINIUM GRILLES



OPERATING PRINCIPLE



EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

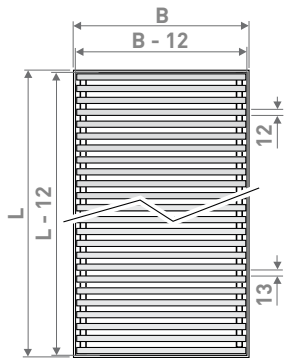
OVERVIEW GRILLES ■ ROLL-UP

DESIGNO WOODEN GRILLES



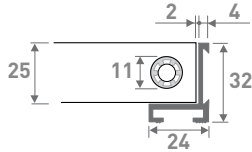
Roll-up natural or varnished grille, Designo model with reduced slat spacing and natural colour anodised aluminium spacers. Frame in natural coloured anodised aluminium.

Free air flow: 52%
Output correction factor: 0.93

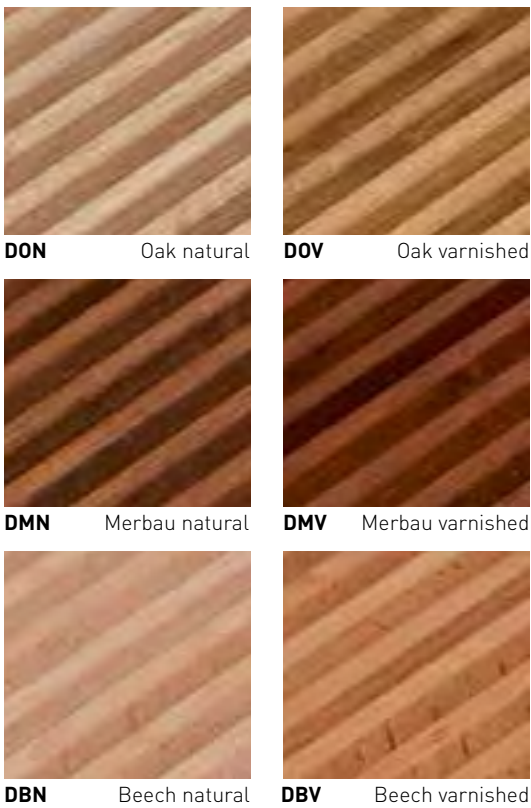
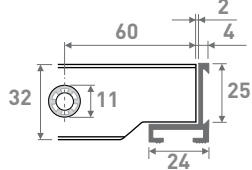


Dimensional tolerance grille width 0/+2mm

Grille with ≤ 408mm



Grille with ≥ 448mm

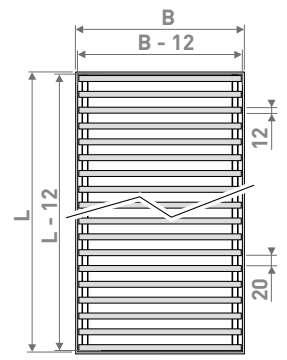


WOODEN GRILLES



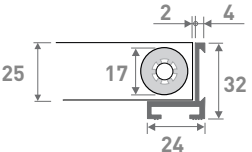
Roll-up natural or varnished grille, with dark brown coloured synthetic spacers. Frame in brown anodised aluminium. Free air flow 63%.

Free air flow: 63%
Output correction factor: 0.97

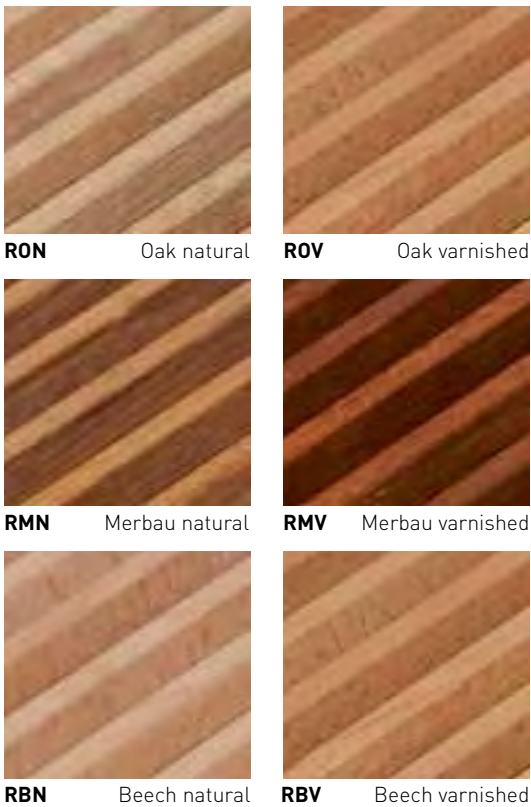
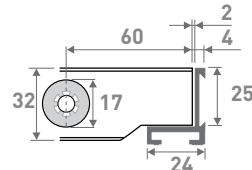


Dimensional tolerance grille width 0/+2mm

Grille with ≤ 408mm

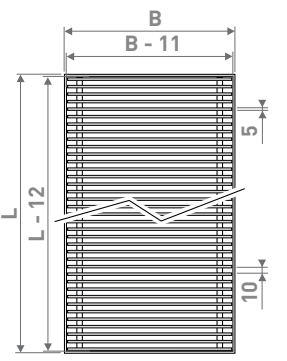


Grille with ≥ 448mm

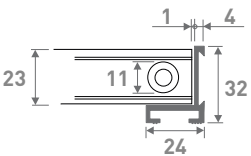


ROLL-UP ■ OVERVIEW GRILLES

ALUMINIUM GRILLES



Dimensional tolerance grille width 0/+2mm

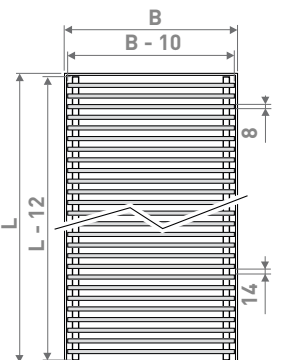


Roll-up anodised aluminium grille with frame in matching colour.

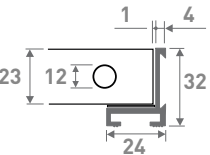
Free air flow: 70%
No correction factor to apply on the output.



RSS Stainless Steel

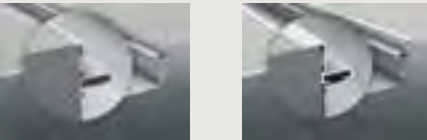


Dimensional tolerance grille width 0/+2mm



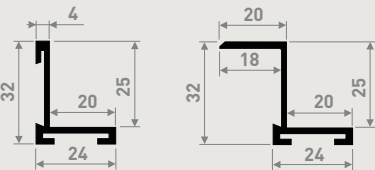
STAINLESS STEEL GRILLES

Mini Canal and separate frames are available with L-profile or Z-profile frame. Canal Compact and Canal Plus are only available with L-profile frame.



Frame L-profile

Cover frame Z-profile



INSTALLATION

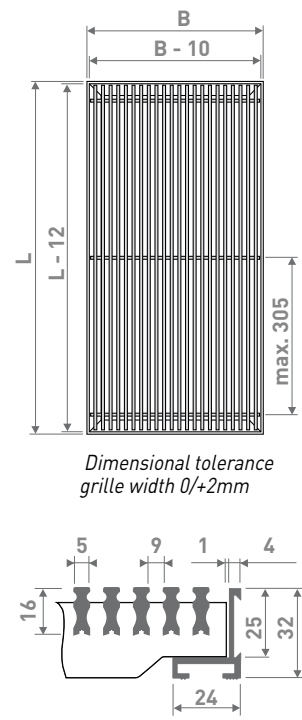
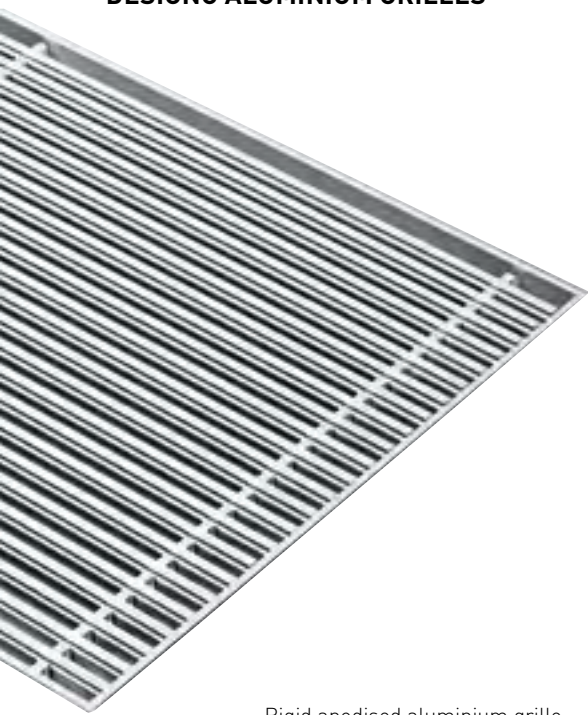
The Mini Canal is supplied pre-assembled and ready for installation. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired. The cover frame allows the seam between the floor and the trench to be covered.

Roll-up grille in high grade stainless steel 1.4301. With matching frame in natural anodised aluminium. Maximum length: 6 m.

Free air flow: 60%
Output correction factor: 0.96

OVERVIEW GRILLES ■ RIGID

DESIGNO ALUMINIUM GRILLES

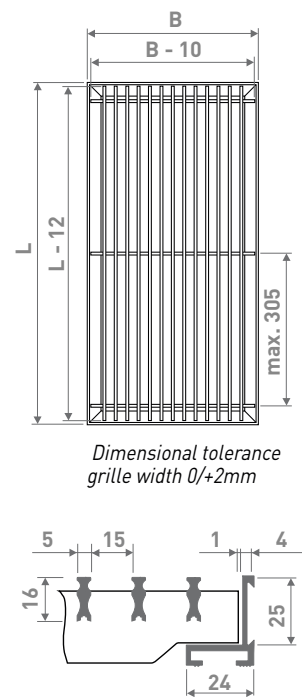
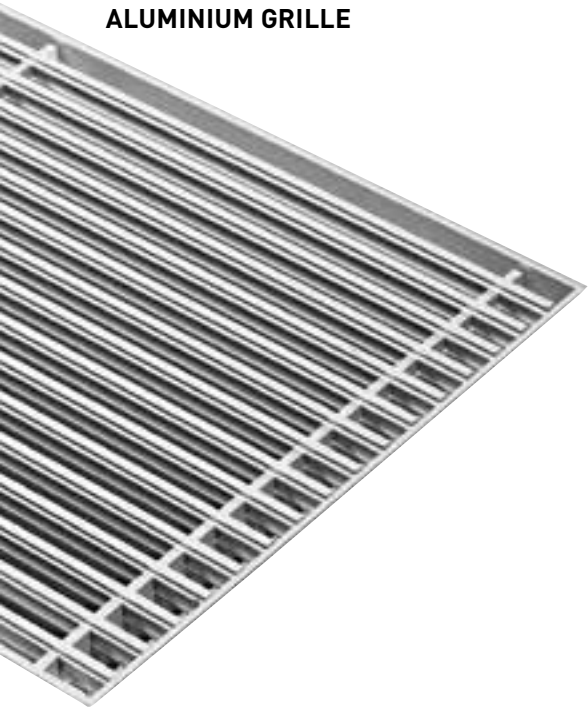


	DNA Natural Aluminium		DBL Black
	DBR Brass coloured (Only for Mini Canal)		DDB Dark brown (Only for Mini Canal)
	DNC/XXX Alu lacquered		

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..)

Rigid anodised aluminium grille, Designo model with reduced slat spacing. Matching colour frame.
Free air flow: 62.5%
Output correction factor: 0.97

ALUMINIUM GRILLE



	SNA Natural Aluminium		SBL Black
	SBR Brass coloured (Only for Mini Canal)		SDB Dark brown (Only for Mini Canal)
	SNC/XXX Alu lacquered		

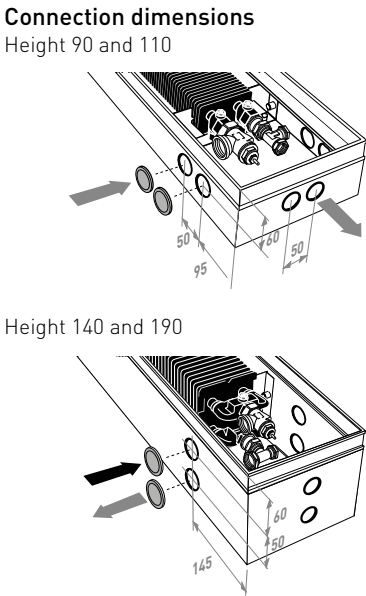
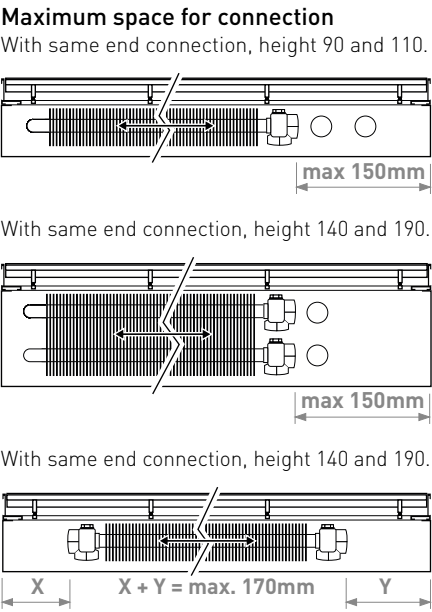
To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used. Only in glossy (code 2..)

Rigid anodised aluminium grille with matching colour frame.
Free air flow: 75%
No correction factor to apply on the output.

INSTALLATION & CONNECTION ■ MINI CANAL

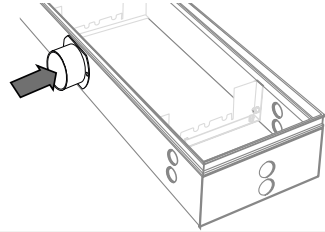
CONNECTION

For guidance on how to connect control units, please see fitting instructions or contact our technical department.



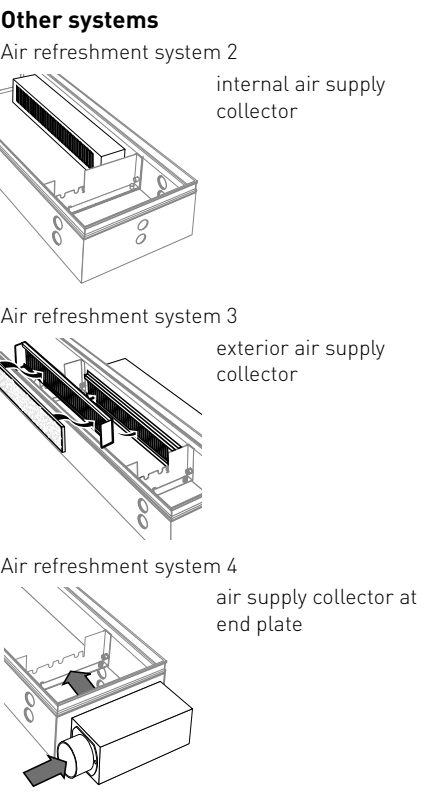
AIR REFRESHMENT

Mounted spigot connector for air supply channel
Not available with height 90 - 110

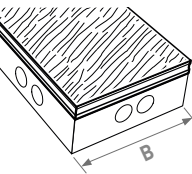


CODE
/V1 1 spigot connection ø 80 mm
/V2 2 spigot connections ø 80 mm
Add **/V1** or **/V2** to the Mini Canal code.
Example: MICL. 014 110 14 /XXX /V1

For more information see: www.jaga.co.uk



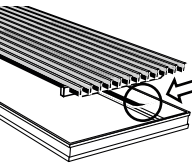
COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

ORDERING CODE	code	length	width
	7691.000	110	14

CONTACT STRIP

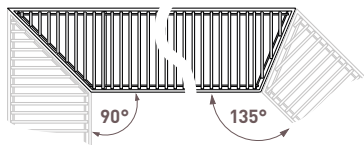
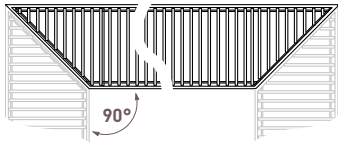


For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of rolls required according to the circumference of the frame: (B + L) x 2.

CODE
7690.02

CORNERS 135° OR 90°

For wooden and aluminium grilles.

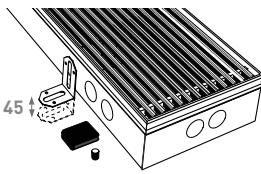


To order corner elements, please contact Jaga at: jaga@jaga.co.uk. Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

HEIGHT CONTROL

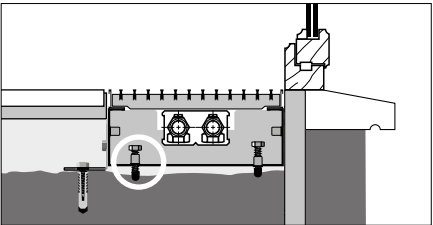


Simple height control for uneven subfloors. Provided with acoustic decoupling.

CODE		
7690.01	height control	0 - 45 mm
7690.04	height control	45 - 130 mm

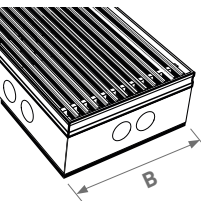
Recommended numbers for length:

1 set =	1100 mm	2 sets
	1300 > 1900 mm	3 sets
	2100 mm	4 sets
	2300 > 3100 mm	5 sets
	3300 > 3700 mm	7 sets
	4100 mm	8 sets
	4500 > 4900 mm	10 sets



The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

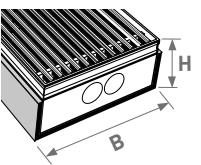
BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

ORDERING CODE	code	length	width
	7692.000	110	14

3-SIDED INSULATION



In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

ORDERING CODE	code	height	length	width
	7693.009	110	014	

GRILLE CODES

Designo rigid aluminium grilles



DNA	DBL	DDB	DBR	DNC/XXX (colour)
natural coloured	black	dark brown	brass coloured	lacquered

Rigid aluminium grilles



SNA	SBL	SDB	SBR	SNC/XXX (colour)
natural coloured	black	dark brown	brass coloured	lacquered

Roll-up aluminium grilles



RNA	RBL	RDB	RBR	RSS
natural coloured	black	dark brown	brass coloured	stainless steel

Designo roll-up wooden grilles



DMN	merbau	DON	oak	DBN	beech
DMV	varnished	DOV	varnished	DBV	varnished

Roll-up wooden grilles



RMN	merbau	RON	oak	RBN	beech
RMV	varnished	ROV	varnished	RBV	varnished

MINI CANAL - HEIGHT 90 - OUTPUT TABLES

See Mini Canal Hybrid for up to 300% more output

MICL.HHH LLL TT.XXX

	B 140		B 180		B 260		B 340		B 420	
L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
1100	152	76	180	90	237	118	307	153	445	222
1300	190	95	225	112	296	148	385	192	555	277
1500	229	114	271	135	356	178	462	230	666	332
1700	267	133	316	158	415	207	538	268	778	388
1900	304	152	360	180	474	236	615	307	888	443
2100	342	171	406	202	534	266	692	345	1000	499
2300	381	190	451	225	593	296	769	384	1111	554
2500	419	209	496	247	652	325	846	422	1221	609
2700	457	228	541	270	711	355	923	460	1333	665
2900	495	247	586	292	771	385	1000	499	1444	720
3100	533	266	631	315	830	414	1076	537	1555	775
3300	571	285	676	337	889	443	1154	576	1666	831
3700	647	323	767	383	1008	503	1307	652	1888	942
4100	723	361	856	427	1126	562	1461	729	2111	1053
4500	800	399	947	472	1245	621	1615	805	2332	1163
4900	875	436	1037	517	1363	680	1769	882	2555	1274

MINI CANAL - HEIGHT 110 - OUTPUT TABLES

MICL.HHH LLL TT.XXX

	B 140		B 180		B 260		B 340		B 420	
L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
1100	175	87	207	103	279	139	363	181	510	254
1300	218	109	259	129	349	174	454	226	638	318
1500	262	131	310	155	420	209	544	271	766	382
1700	306	153	363	181	489	244	636	317	893	445
1900	349	174	414	206	559	279	726	362	1021	509
2100	393	196	466	232	629	314	817	407	1148	573
2300	437	218	518	258	699	349	908	453	1276	636
2500	480	239	569	284	769	384	998	498	1404	700
2700	524	261	622	310	839	418	1090	544	1531	764
2900	568	283	673	336	909	453	1180	588	1659	827
3100	612	305	725	362	978	488	1271	634	1786	891
3300	655	327	777	387	1048	523	1362	679	1914	955
3700	743	371	881	439	1188	592	1544	770	2169	1082
4100	830	414	984	491	1328	662	1725	860	2424	1209
4500	917	457	1087	542	1468	732	1906	951	2680	1337
4900	1005	501	1191	594	1608	802	2088	1041	2935	1464

Output at 20°C room temperature.
Mini Canal is available in lengths from 700mm to 4900mm, please speak to Jaga or visit www.jaga.co.uk for more information.

OUTPUT TABLES - HEIGHT 140 - MINI CANAL

See Mini Canal Hybrid for up to 300% more output

MICL.HHH LLL TT.XXX

	B 140		B 180		B 260		B 340		B 420	
L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
1100	198	99	N/A	N/A	345	172	470	234	633	316
1300	248	124	N/A	N/A	431	215	587	293	792	395
1500	298	149	N/A	N/A	516	257	705	352	950	474
1700	347	173	N/A	N/A	603	301	822	410	1108	553
1900	397	198	N/A	N/A	689	344	940	469	1267	632
2100	446	222	N/A	N/A	775	386	1057	527	1425	711
2300	496	247	N/A	N/A	861	429	1175	586	1583	789
2500	546	272	N/A	N/A	947	472	1292	644	1742	869
2700	595	297	N/A	N/A	1034	516	1409	703	1900	948
2900	645	322	N/A	N/A	1119	558	1527	762	2058	1026
3100	694	346	N/A	N/A	1206	601	1644	820	2217	1106
3300	744	371	N/A	N/A	1292	644	1762	879	2375	1184
3700	843	420	N/A	N/A	1464	730	1997	996	2692	1343
4100	942	470	N/A	N/A	1636	816	2232	1113	3008	1500
4500	1042	520	N/A	N/A	1808	902	2467	1230	3325	1658
4900	1141	569	N/A	N/A	1980	987	2702	1347	3642	1816

OUTPUT TABLES - HEIGHT 190 - MINI CANAL

WATER CONTENT
IN LITRES/METRE

MINI CANAL					
L mm	B140 l	B180 l	B260 l	B340 l	B420 l
90	0.16	0.32	0.32	0.48	0.66
110	0.16	0.32	0.32	0.48	0.66
140	0.32	-	0.65	0.98	1.32
190	-	-	0.65	0.98	1.32

WEIGHT
IN KG/METRE

MINI CANAL					
L mm	B140 kg	B180 kg	B260 kg	B340 kg	B420 kg
90	4.60	5.01	5.80	7.05	8.29
110	5.00	5.42	6.24	7.52	8.80
140	5.70	-	7.77	9.51	11.28
190	-	-	9.25	11.06	12.89

Weight and water content without packaging or options

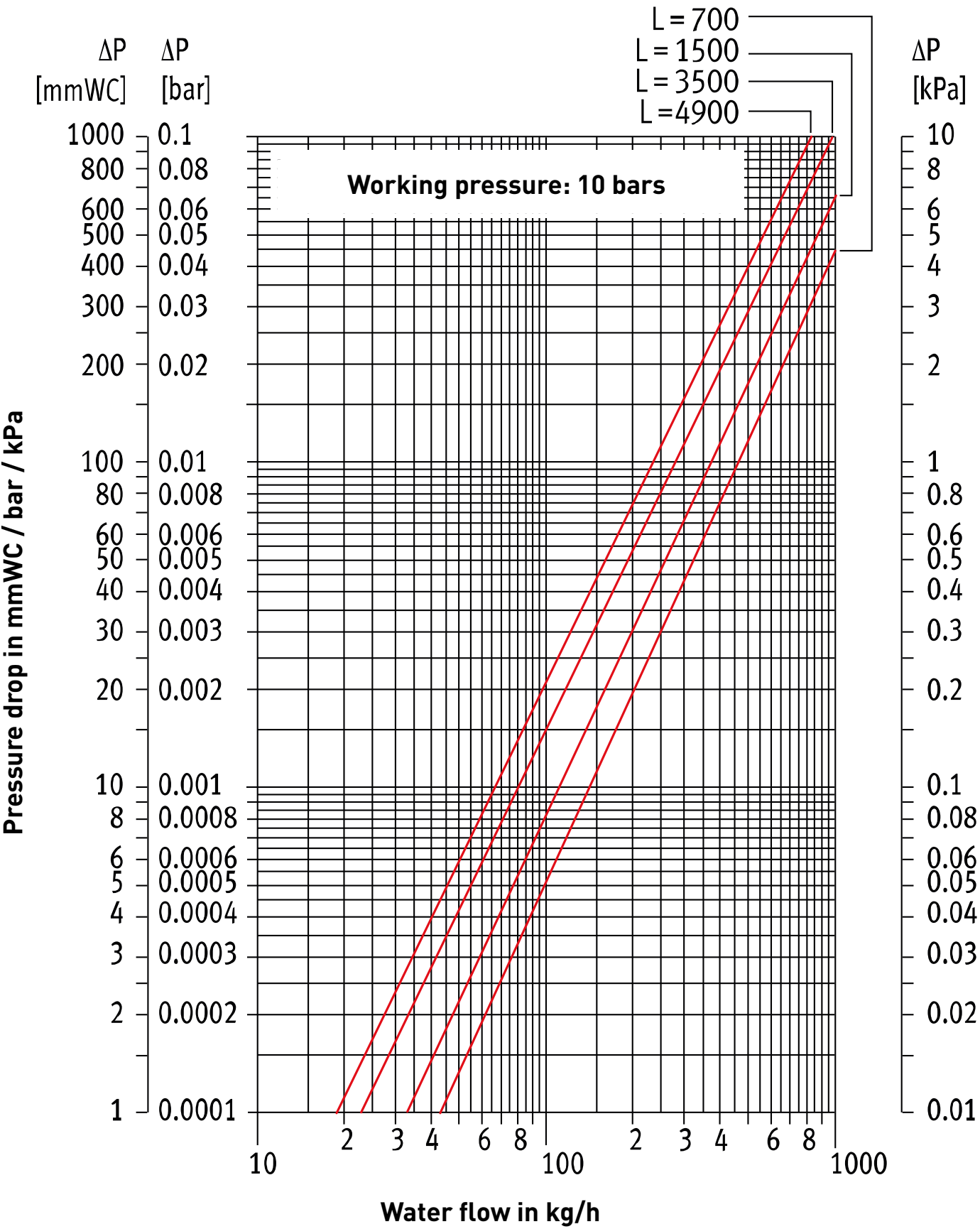
MICL.HHH LLL TT.XXX

	B 260		B 340		B 420	
L mm	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45	Watts 75/65	Watts 55/45
1100	392	195	530	264	728	363
1300	489	244	662	330	909	453
1500	587	293	795	396	1091	544
1700	685	342	927	462	1273	635
1900	782	390	1059	528	1455	726
2100	881	439	1192	594	1637	816
2300	978	488	1324	660	1819	907
2500	1076	537	1457	727	2001	998
2700	1174	585	1590	793	2182	1088
2900	1271	634	1721	858	2365	1179
3100	1370	683	1854	925	2547	1270
3300	1467	732	1987	991	2728	1360
3700	1663	829	2252	1123	3092	1542
4100	1859	927	2516	1255	3456	1724
4500	2054	1024	2781	1387	3820	1905
4900	2250	1122	3046	1519	4184	2087

Output at 20°C room temperature.
Mini Canal is available in lengths from 700mm to 4900mm, please speak to Jaga or visit www.jaga.co.uk for more information.

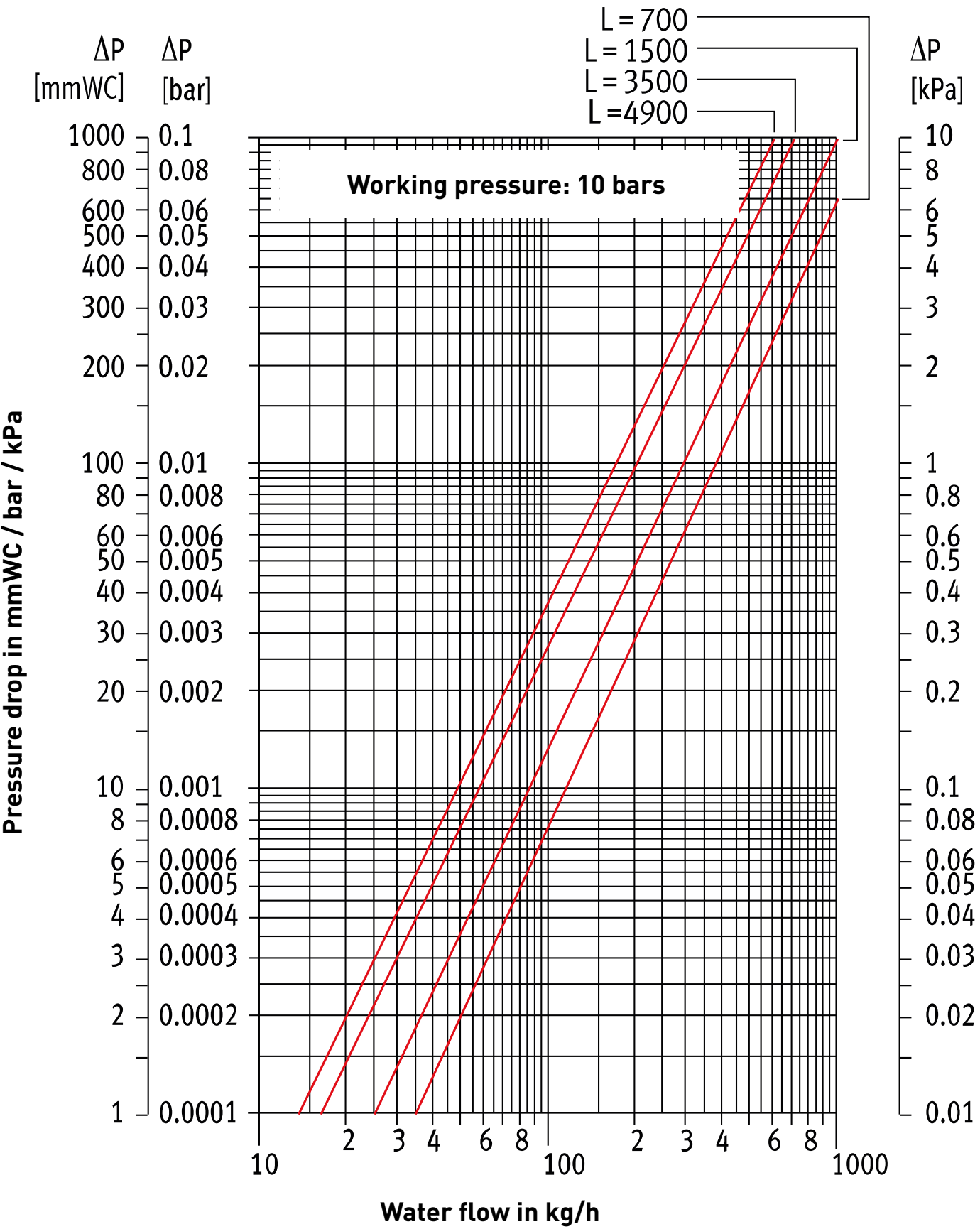
MINI CANAL - TYPE 04 - PRESSURE DROP

OPPOSITE END CONNECTION
FOR MINI CANAL 90 x 140mm & 110 x 140mm



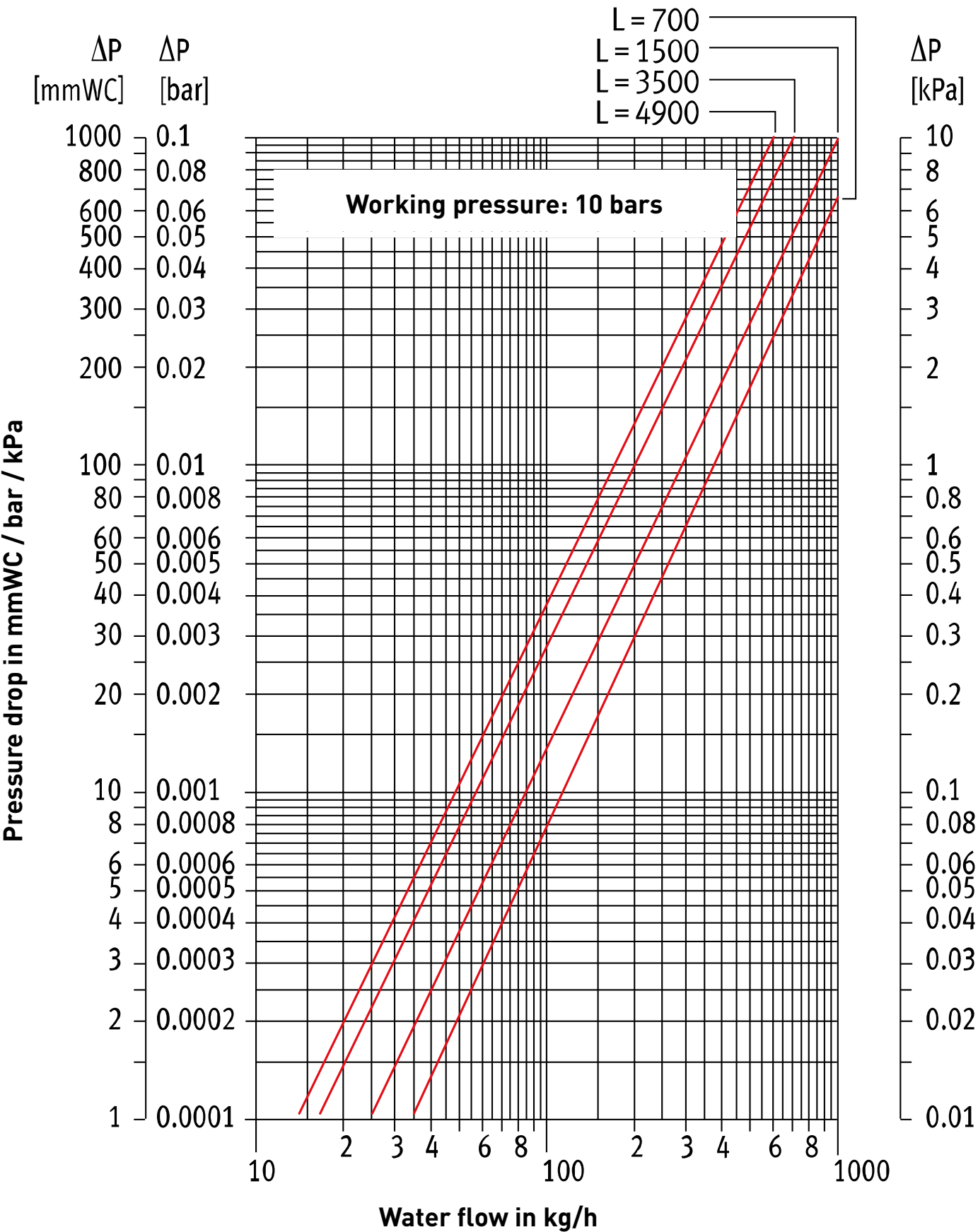
PRESSURE DROP - TYPE 05 - MINI CANAL

FOR MINI CANAL 140 x 140mm



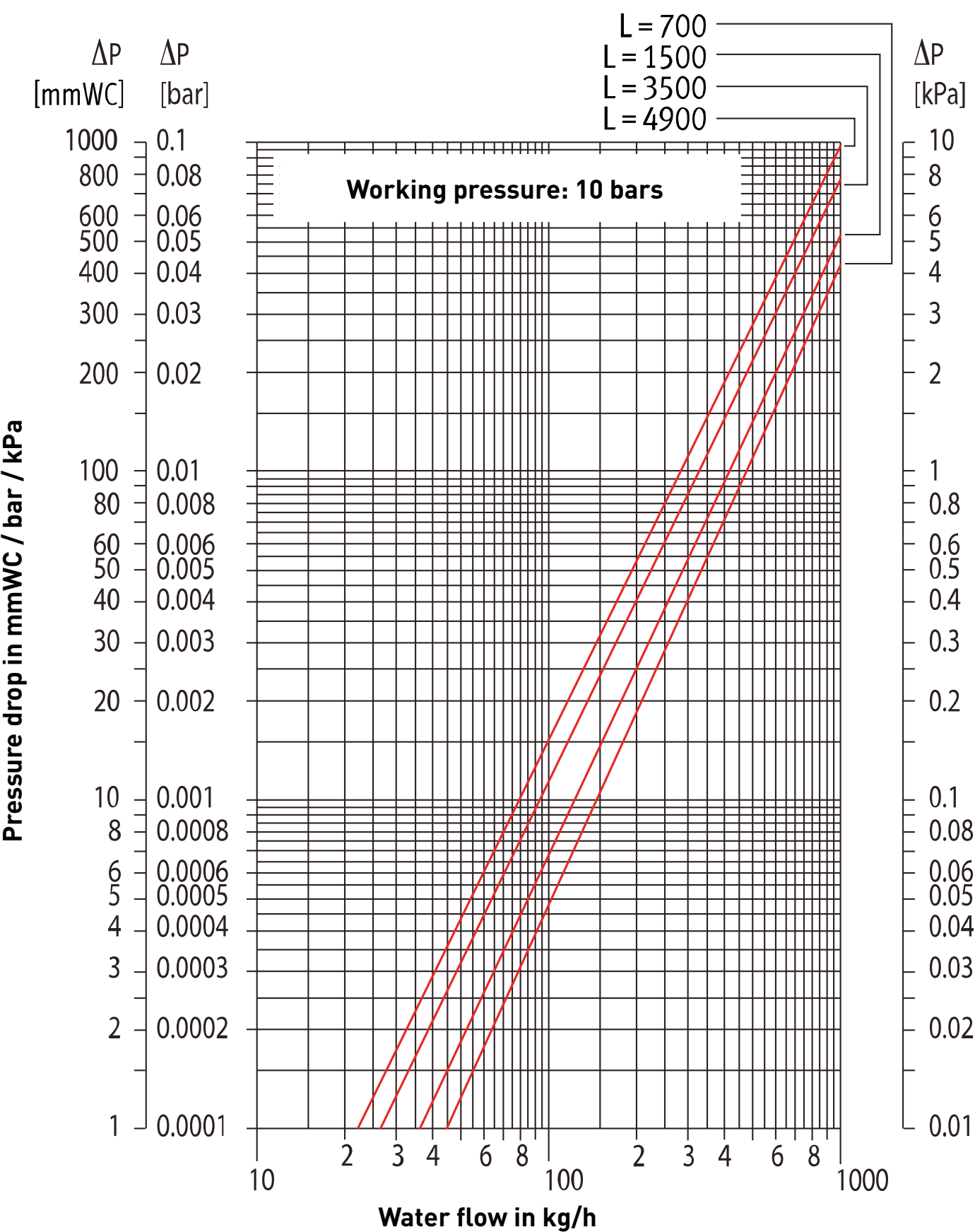
MINI CANAL - TYPE 09 - PRESSURE DROP

FOR MINI CANAL 90 x 180mm, 90 x 260mm, 110 x 180mm & 110 X 260mm



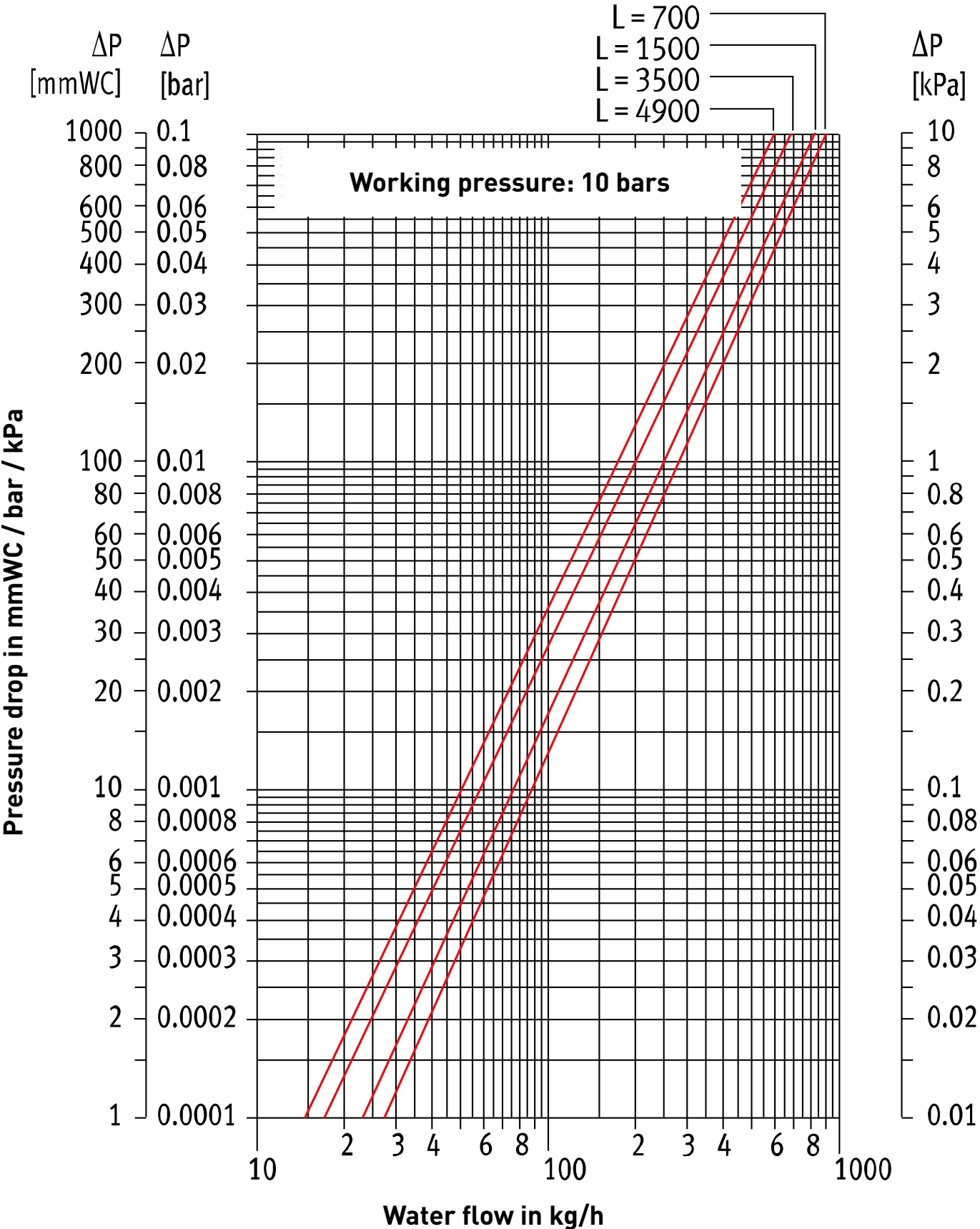
PRESSURE DROP - TYPE 10 - MINI CANAL

FOR MINI CANAL 140 x 260mm & 190 x 260mm



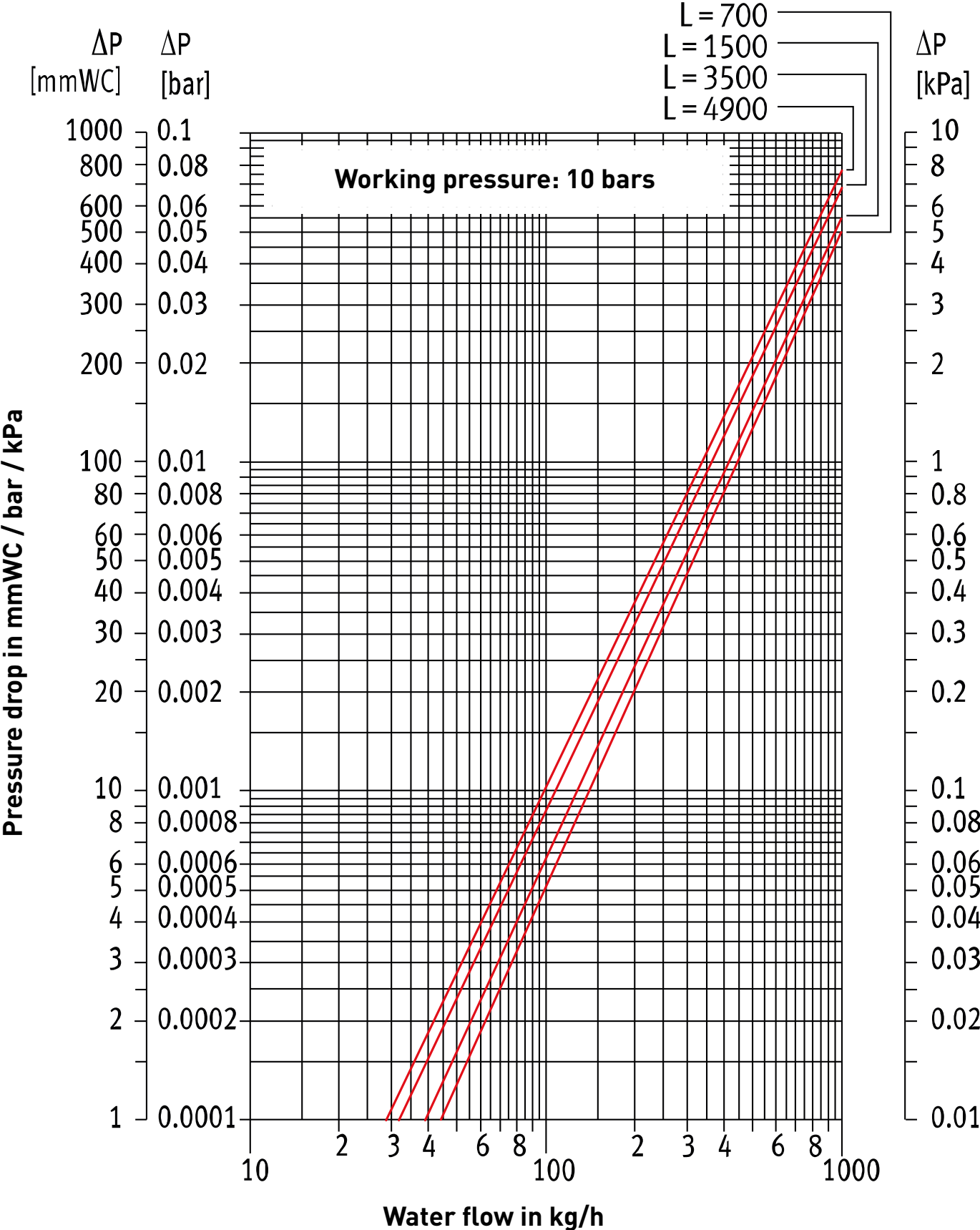
MINI CANAL - TYPE 14 - PRESSURE DROP

FOR MINI CANAL 90 x 340mm, 110 x 340mm



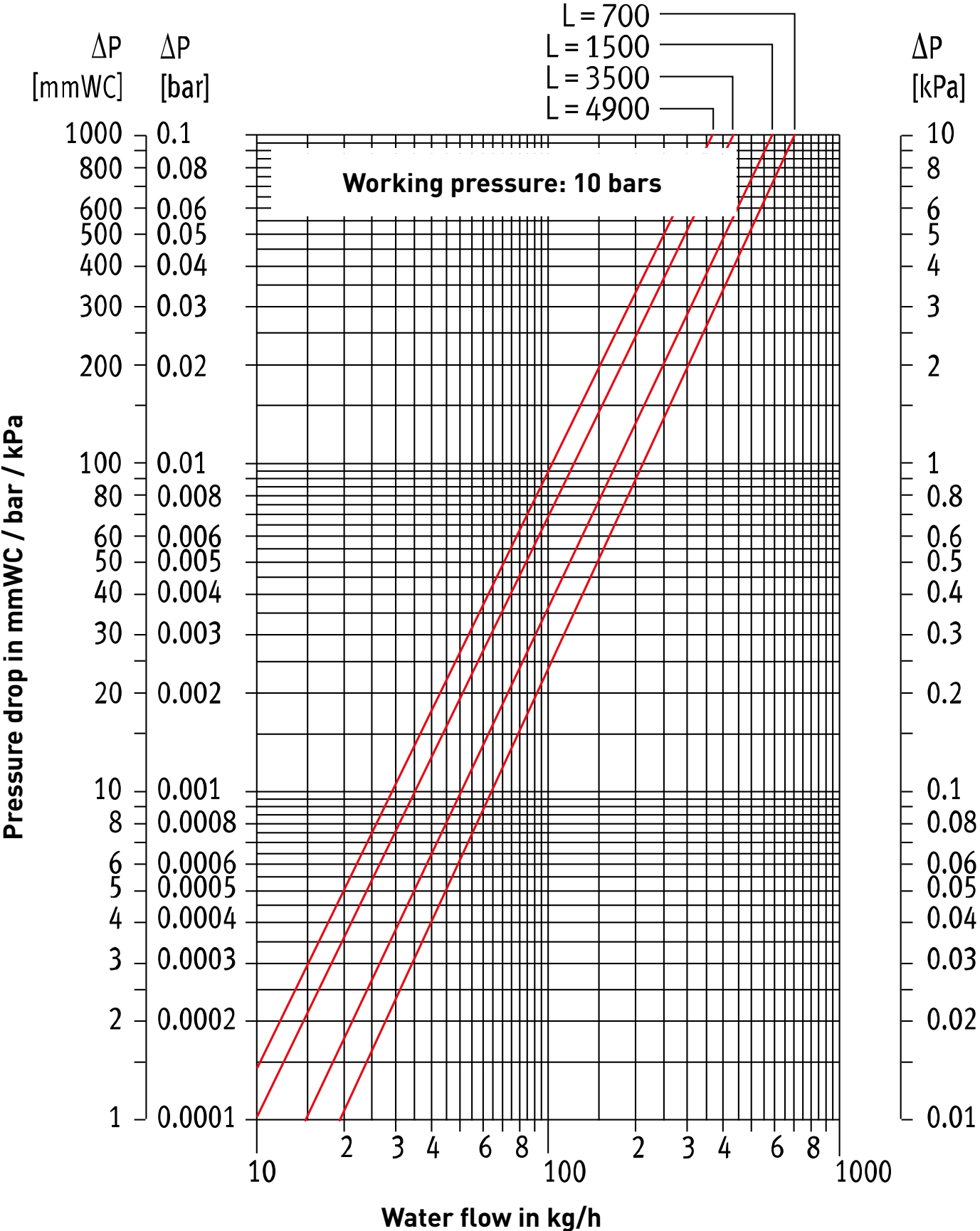
PRESSURE DROP - TYPE 15 - MINI CANAL

FOR MINI CANAL 140 x 340mm, 190 x 340mm



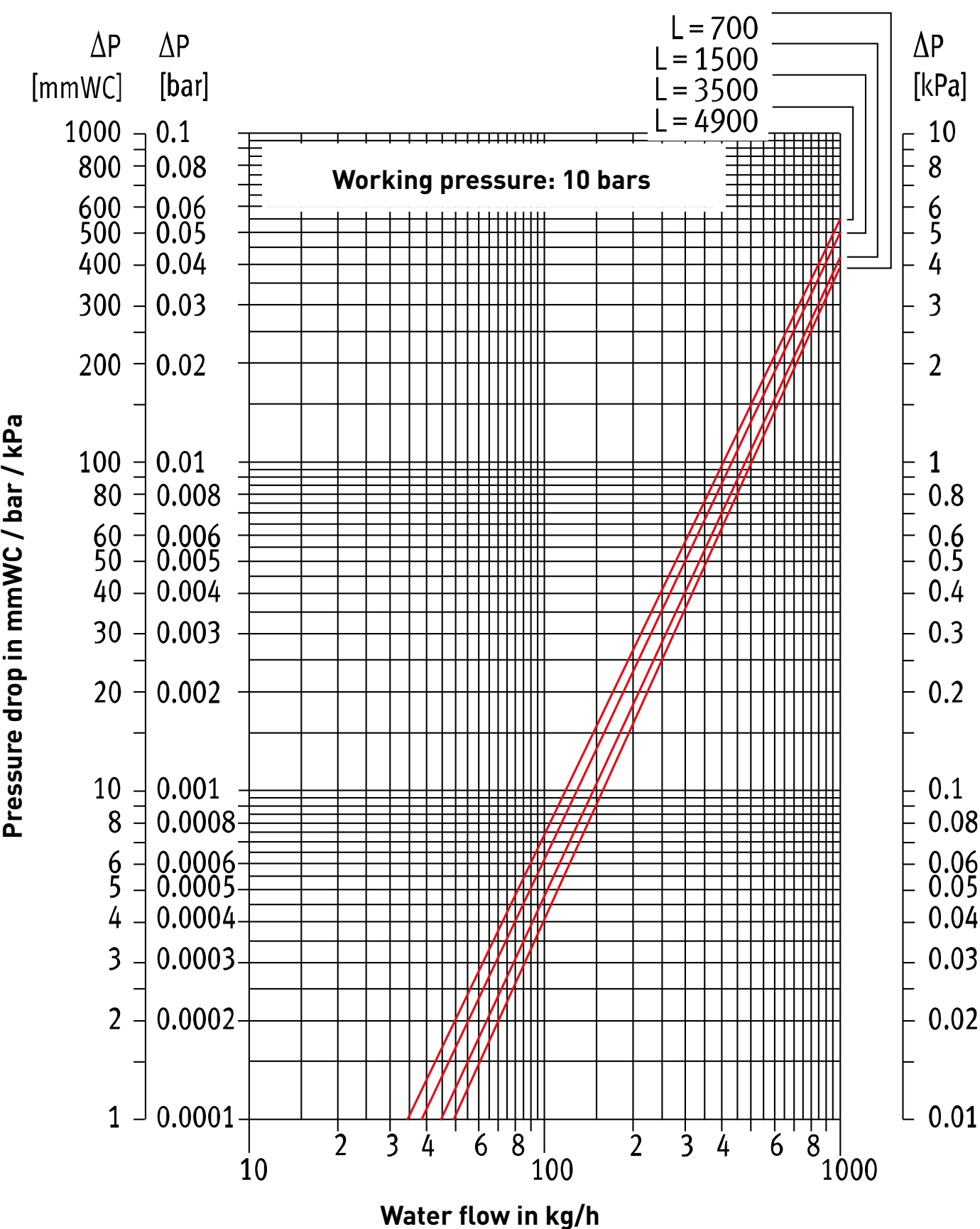
MINI CANAL - TYPE 19 - PRESSURE DROP

FOR MINI CANAL 90 x 420mm, 110 x 420mm



PRESSURE DROP - TYPE 20 - MINI CANAL

FOR MINI CANAL 140 x 420mm, 190 x 420mm



MICRO CANAL

Maximum warmth,
minimum dimensions

The latest Jaga trench heating solution is only 60 mm high and 135 mm 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 design freedom on any project without making any compromises for the heating system.

By using the **latest EC motors**, Micro Canals consume up to 50% less electricity than traditional motors.



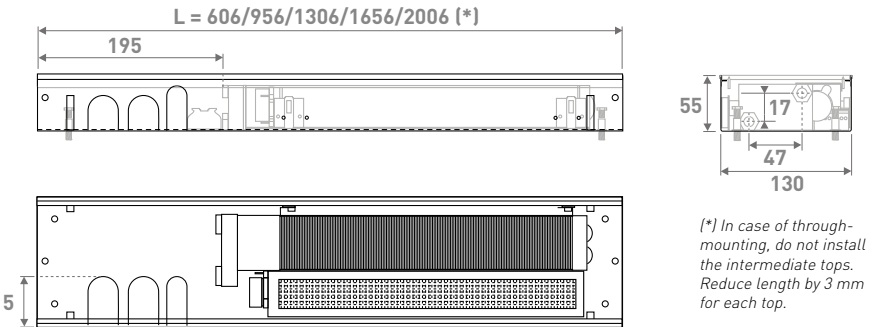
MICRO CANAL

MICRO CANAL - SUMMARY

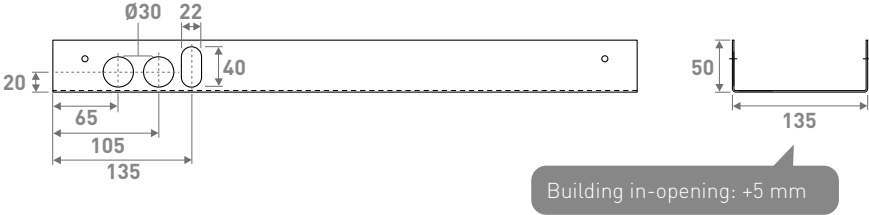


DIMENSIONS in mm

Inner casing



Outer casing



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 x 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.

ORDERING CODE

code	height	length	width	grille
MIRF .	006	060	14	./SSS
fill in grille code				

DELIVERY

Product is made to order, please contact our sales department on 01531 631 533 for further information.

ELECTRIC CONNECTION

- Clamp connector for electrical connection 24 VDC to the left, 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 requires a 0-10v fan speed control.

With energy efficient EC motor

COMPOSITION



POWER SUPPLY DIN-RAIL MONTAGE

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

CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59

- For DIN-rail or wall mounting.
- Conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2.
- Output voltage 24 VDC.
- Input voltage 100 - 240 VAC.
- Screw connection.
- LED indicator.

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9

Required power = sum of the power consumption of the devices

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.

Not suitable for installation in the floor duct.

- Conformity: UL60950 - EN 60950 / Class 2.
- Output voltage 24 VDC.
- Input voltage 100 - 240 VAC.
- Dimensions L 1450 x B 450 x H 300 mm.

CODE	Output Watts	Output current A
37603.010002	30	1.25

JAGA TWO-WAY VALVE AND THERMOELECTRIC DRIVE 230 VAC

- Only for mounting on the distributor, not in the Micro 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

VALVE UNIT

- Length 350 mm.
- 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
7522.00603514 /SSC/... /VC
enter colour code

Order sleeve couplings M24

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 end plates.

empty housing with stainless steel grille

CODE	L
7522.00603514/SSS	350
7522.00606014/SSS	600
7522.00609514/SSS	950
7522.00613014/SSS	1300
7522.00616514/SSS	1650
7522.00620014/SSS	2000

empty housing with lacquered stainless steel grille

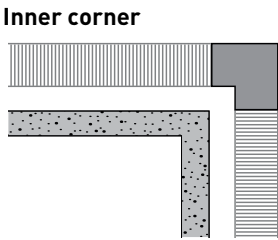
CODE	L
7522.00603514/SSC/ ...	350
7522.00606014/SSC/ ...	600
7522.00609514/SSC/ ...	950
7522.00613014/SSC/ ...	1300
7522.00616514/SSC/ ...	1650
7522.00620014/SSC/ ...	2000
enter colour code	

CORNER PIECE

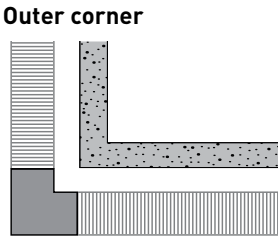


- Aluminium cover plate in stainless steel effect (SSS), or lacquered in other Jaga colours (SSC).
- Outer casing with anchorage elements.
- Polyethylene-protective mounting block(s).
- Fully assembled inner housing with stainless steel grille support.
- Height adjustment with fine adjustment for alignment with the finished floor.

MICRO CANAL - OPTIONS

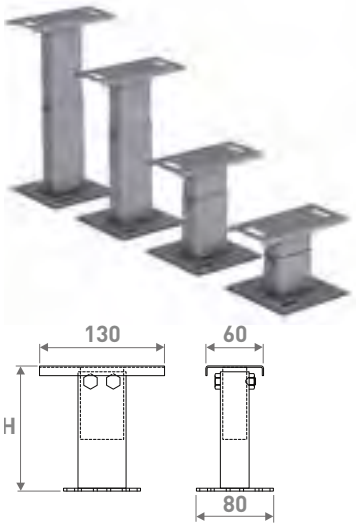


CODE		
7522.00602014/SSS/01	Natural	
7522.00602014/SSC /.../01	lacquered	
enter colour code		



CODE		
7522.00602014/SSS/02	Natural	
7522.00602014/SSC /.../02	lacquered	
enter 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

L 350 = 1 set
L 650 = 1 set
L 950 = 1 set
L 1300 = 2 set
L 1650 = 2 set
L 2000 = 2 set

CODE	H
5207.05070000	50 > 70 mm
5207.08130000	80 > 130 mm
5207.13230000	130 > 230 mm
5207.20300000	200 > 300 mm

STANDARD DELIVERY

ASSEMBLY & PROTECTION BLOCK



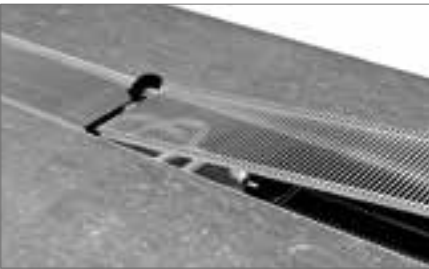
Install the polyethylene protective block(s) as protection on the construction site.

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 62 to 80 mm).

DESIGN GRILLES



Continuous design grille of stainless steel grilles.

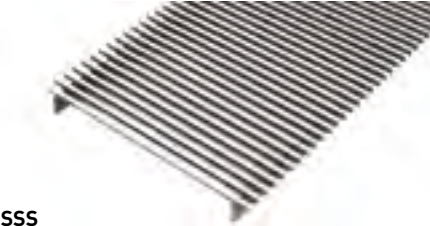
FLEXIBLE CONNECTION



Stainless steel flexible hoses (150 to 250 mm), enabling the internal mechanism to be removed completely for easy cleaning.

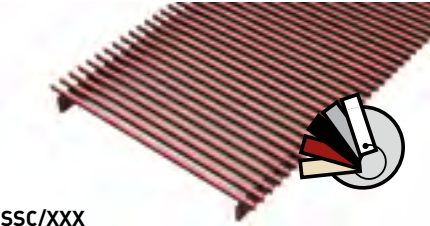
OVERVIEW GRILLES

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..) and special colours 006, 005, 026, 028.

OPTIONS - MICRO CANAL

CLOCK THERMOSTATS HEATING / COOLING

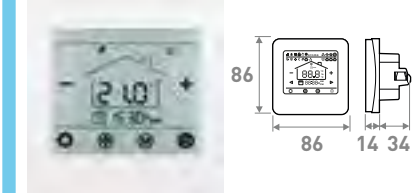
The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- Automatic thermostat for 2-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.
- Programmable zones.
- LCD display with background lighting.
- Protection category IP30.

FOR RECESSED MOUNTING

NEW

Jaga clock thermostat for recessed/panel mounting JRT-100TW



Touchscreen

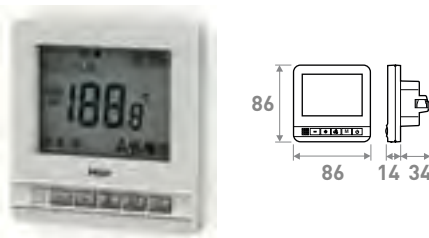
Wi-Fi

App

- LCD touchscreen with background lighting.
- Control via WIFI (smartphone app).
- Programmable time zones 7 days (1-7).
- Control valves 24 VDCa heating/cooling.
- Thermostat to be mounted in a junction box
 - Spacing holes at 60 mm.
 - Minimum depth 45 mm.
 - Inner dimension 50 x 50 mm or Ø 60 mm.

CODE
8751.050017 recessed/panel mounted

Jaga clock thermostat for recessed/panel mounting

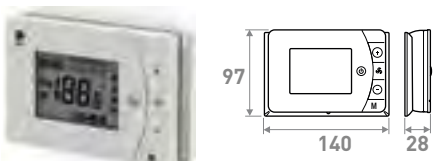


- Control valves 24 VDC heating/cooling.
- Thermostat to be mounted in a junction box
 - Spacing holes at 60 mm.
 - Minimum depth 45 mm.
 - Inner dimension 50 x 50 mm or Ø 60 mm.

CODE
8751.050012 recessed/panel mounted

FOR WALL MOUNTING

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 60 mm.

CODE
8751.050013 wall mounted

MICRO CANAL - OUTPUT TABLES

MIRF.HHH LLL BB/XXX

			CONTROL VOLTAGE	HEATING				SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION
H	L	B	U	75/65	55/45	45/35	35/30			
mm	mm	mm	V	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts
60	600	140	2	60	36	23	15	13.8	11	0.5
			4	157	94	62	39	14.9	19	0.8
			6	316	188	124	78	18.8	29	1.2
			8	421	251	165	104	31.6	40	1.8
			10	495	295	194	122	39.2	65	2.7
950			2	129	77	51	32	14.3	18	0.5
			4	340	203	134	84	17.4	30	0.9
			6	684	408	269	169	25.5	50	1.5
			8	912	544	358	226	36.1	74	2.5
			10	1072	639	421	265	42.5	98	3.8
1300			2	199	119	78	49	13.9	26	0.5
			4	523	312	205	129	15.2	41	1.0
			6	1053	628	414	261	26.4	67	1.6
			8	1403	837	551	347	37.2	99	2.7
			10	1649	983	648	408	41.8	130	4.1
1650			2	269	160	106	66	17.3	36	1.0
			4	706	421	277	175	20.4	60	1.7
			6	1422	848	558	352	28.5	100	3.1
			8	1894	1130	744	469	39.1	148	4.9
			10	2226	1328	875	551	45.5	196	7.7
2000			2	338	202	133	84	17.1	44	1.1
			4	889	530	349	220	19.4	71	1.8
			6	1790	1068	703	443	29.0	117	3.2
			8	2385	1422	937	590	39.7	173	5.1
			10	2803	1672	1101	694	45.2	228	8.0

* 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.

WATER CONTENT IN LITRES/METRE

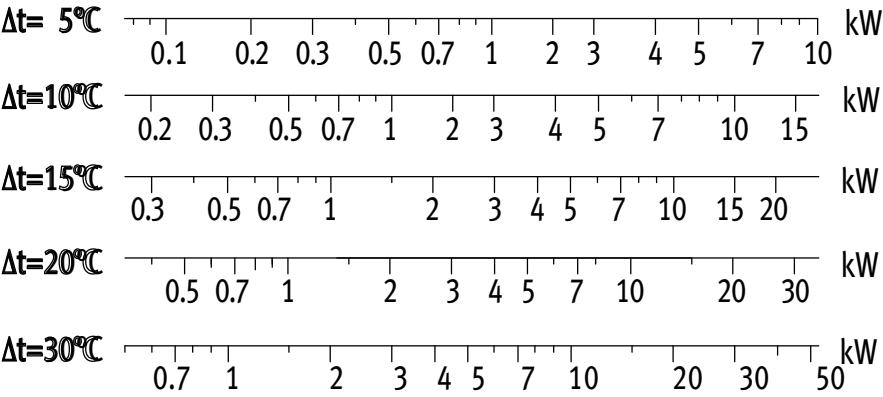
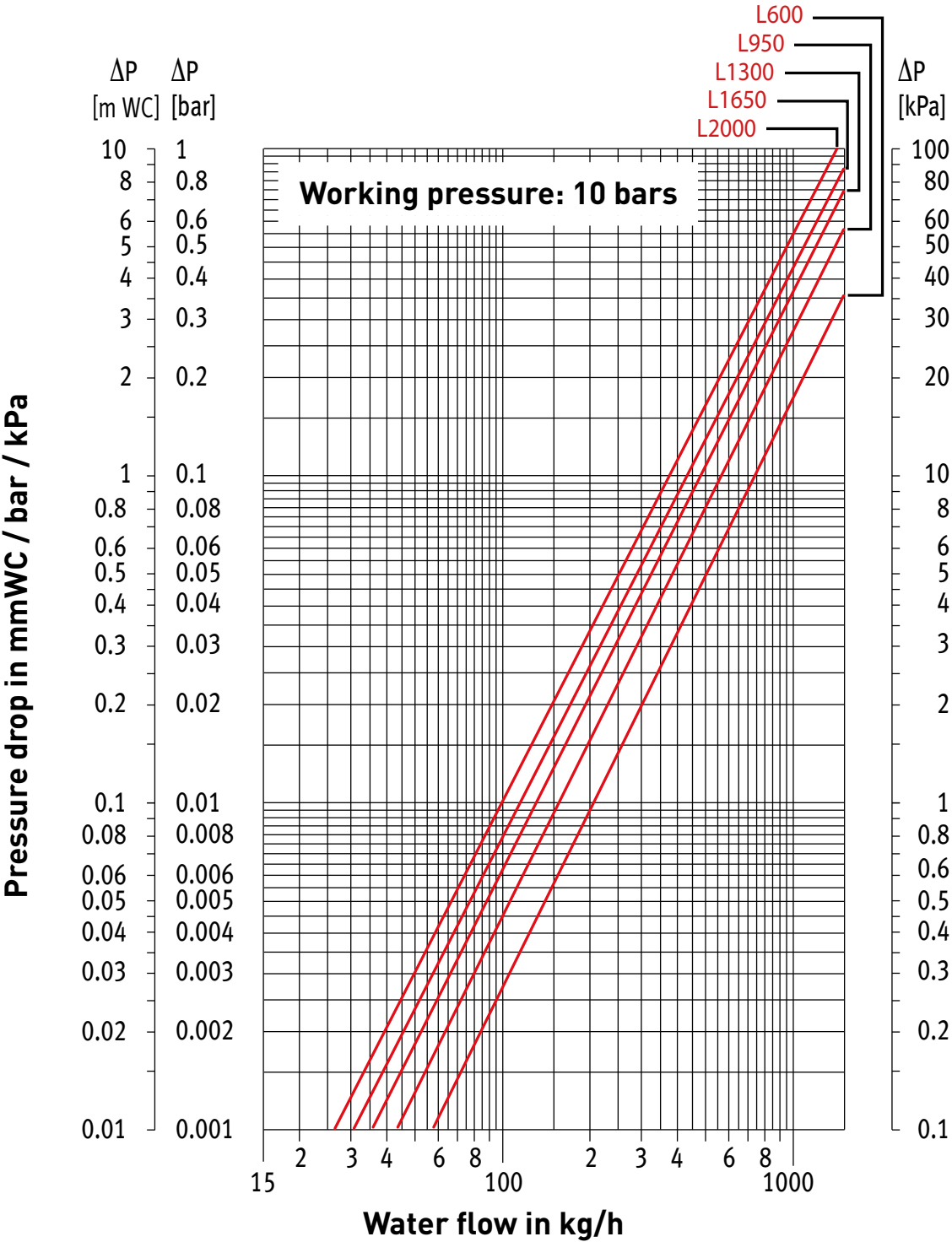
MICRO CANAL	
L	Water Content
mm	l
600	6.7
950	10.0
1300	13.5
1650	17.0
2000	20.4

WEIGHT IN KG/METRE

MICRO CANAL	
L	Weight
mm	kg
600	0.089
950	0.178
1300	0.267
1650	0.356
2000	0.455

Weight and water content without packaging or options

PRESSURE DROP - MICRO CANAL



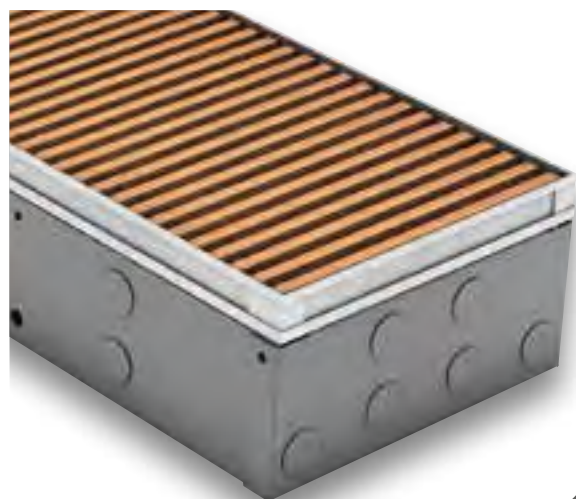
MINI CANAL HYBRID

Same size, 3 times
the heating output!

Condensing boilers, heat pumps and solar energy systems need far bigger heating elements because they operate at very low water temperatures that sometimes don't get above 35°C. For Mini Canal Hybrid it's not a problem, because it delivers 3 to 4 times more heat than a traditional natural trench heating output solution.

- High output at low water temperatures.
- For newbuild and renovation of commercial and public buildings.
- Connection for ventilation (option).
- Less space needed.
- A range of grilles for every interior.
- Low-H₂O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.
- **A 30 year guarantee** on the heat exchanger.

Mini Canal Hybrid is also suitable for non-condensing cooling in combination with any heat pump that has a cooling function. This mild form of cooling is very energy-efficient.



MINI CANAL HYBRID

HEATING OR HEATING + LIGHT COOLING: THE IDEAL HEAT PUMP PARTNER

HIGH OUTPUTS WITH ALL WATER TEMPERATURES

New, environmentally-friendly installations require much better thermal units. This ensures a comfortable temperature at a low water temperature and a refreshing coolness with non-condensing cooling. Jaga Hybrid heating units are equipped with the brand new DBH system, DB stands for Dynamic Boost, to considerably increase the power of the heater. The H stands for Hybrid meaning the dual effect: heating and cooling.

- With Mini Canal Hybrid you are choosing a complete climate solution for your space that is optimally controlled to guarantee efficiency at the lowest water temperature thanks to the hybrid system's reaction speed.
- By default, suitable for energy-efficient non-condensing cooling in combination with any heat pump.

MULTIFUNCTIONAL INTELLIGENCE

TPT configuration (default)

TPT (temperature control) configuration is set at time of order. This means the thermal activators will run once the water temperature is above set-point (28°C default) and the measured room temperature is below the set-point, speeding up and slowing to achieve the desired room temperature.

ACO configuration

If you choose ACO (auto-changeover) configuration at time of order, Mini Canal Hybrid will be fully automated thanks to the accurate temperature sensor. With every heating or cooling demand, the activator is controlled automatically as soon as the correct water temperature is detected. Depending on the room where the heating unit is located, you can set 3 different fan speeds: whisper-quiet bedroom mode max 26 dB(A) on setting 1, comfort mode for living areas max 30 dB(A) or the maximum setting.

MOST RESPONSIVE OUTPUT SYSTEM CRUCIAL FOR HEATING AND COOLING

Heating

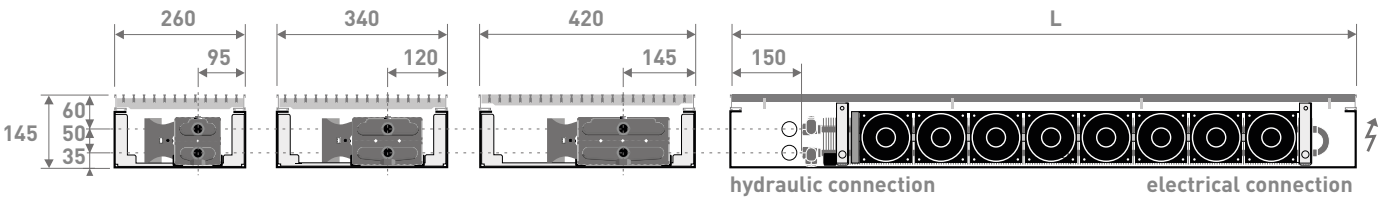
Is the oven or the dishwasher on? Is sunlight entering the room? Your home is dynamic with constantly changing temperature conditions and comfort requirements. As soon as the room thermostat or the control system wants to make an adjustment, the Mini Canal Hybrid will very quickly provide the desired room temperature.

Light cooling

The reaction capacity is also crucial for non-condensing cooling. In order to prevent moisture problems, central condensation monitoring must be provided. This can only work efficiently with a very fast-acting delivery system, which immediately adjusts the cooling system in case of a sudden rise in humidity.

More than ever, the responsiveness determines your energy consumption and your comfort.

Building in-opening: height H + 10 mm, length L and width B + 5 mm!



ORDERING CODE

WITH FRAME (L-PROFILE)

code	height	length	width	grille
MDCL .	014	110	26	/XXX

fill in grille code

WITH COVER FRAME (Z-PROFILE)

code	height	length	width	grille
MDCZ .	014	110	26	/XXX

fill in grille code

Mini Canal Hybrid is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

DELIVERY

Product is made to order, please contact our sales department on 01531 631 533 for further information.

INSTALLATION

The Mini Canal is supplied pre-assembled and ready for installation. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired. The cover frame allows the seam between the floor and the trench to be covered.

HYDRAULIC CONNECTION

- The heat exchanger has to be connected at the left side of the duct. This can be done in several ways:
 - To the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).
 - With thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.
 - Alternatively, control via a zonal valve with room thermostat, with lockshields on element connections for isolation purposes.

OPERATING PRINCIPLE STANDARD ASSEMBLED JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices, pre-configured and assembled inside the device.

- Indication of operating mode by LED's.
- Control with touch operation and sensor for water temperature, pre-configured and assembled by Jaga.
- Power supply 12 VDC.
- Ventilator settings:
 - Standby.
 - Heating: 3 speeds (operates at water temperature >28°C, can easily be modified).
 - Light Cooling: 3 speeds (Operates at water temperature < 18°C, can easily be modified).
- 0-10 V input for building management system/thermostats / DPC.MD61.
For more information contact Jaga



GRILLE CODES

Designo rigid aluminium grilles

DNA natural coloured	DBL black	DDB dark brown	DBR brass coloured	DNC/XXX [colour] lacquered

Rigid aluminium grilles

SNA natural coloured	SBL black	SDB dark brown	SBR brass coloured	SNC/XXX [colour] lacquered

Roll-up aluminium grilles

RNA natural coloured	RBL black	RDB dark brown	RBR brass coloured	RSS stainless steel

Designo roll-up wooden grilles

DMN merbau varnished	DMV merbau varnished	DON oak varnished	DOV oak varnished	DBN beech varnished	DBV beech varnished

Roll-up wooden grilles

RMN merbau varnished	RMV merbau varnished	RON oak varnished	ROV oak varnished	RBN beech varnished	RBV beech varnished

MINI CANAL HYBRID - COMPOSITION

COMPOSITION

Grille
a wide range of design types and colours in anodised aluminium, various wood finishes and stainless steel

Connection options
230 V/12 V

Pre-configured and assembled Jaga Dynamic Product Controller
Control with touch operation (indication by LED's) and sensor for water temperature.
power supply 24 VDC

Pre-mounted DBE units

Low-H2O heat exchanger
made of copper and aluminium, made "invisible" by a dark grey lacquer (RAL 7024)

Duct
from Sendzimir galvanised and dark grey lacquered steel plate; thickness 1 mm, with connection holes on all sides

Fixing straps
number depending on the length

Easy height adjustment for uneven floors (option).
Provided with acoustic decoupling.

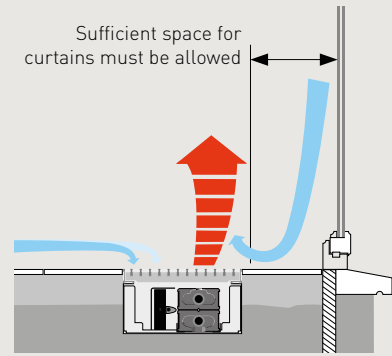
Frame (MDCL)
in anodised aluminium, colour to match the grille.

Cover frame (MDCZ)
in anodised aluminium, colour to match the grille

Pre-perforated system
for connections

Seals for the connection holes, made of black synthetic material

OPERATING PRINCIPLE



EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

COVER PLATE

In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

ORDERING CODE

code	length	width
7691.000	110	026

CONTACT STRIP

For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order the number of rolls required according to the circumference of the frame: (B + L) x 2.

CODE
7690.02 Roll 6 metre

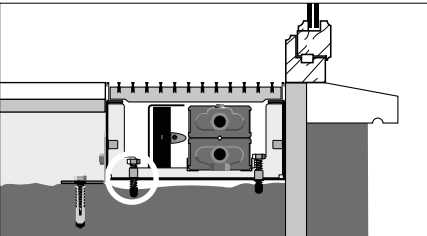
HEIGHT CONTROL

Simple height control for uneven subfloors. Provided with acoustic decoupling.

CODE
7690.01 height control 0 - 45 mm
7690.04 height control 45 - 130 mm

Recommended numbers for length:
1 set =

1100 mm	2 kits
1300 > 1900 mm	3 kits
2100 mm	4 kits
2300 > 3100 mm	5 kits



The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

BASE INSULATION

In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

ORDERING CODE

code	length	width
7692.000	110	026

3-SIDED INSULATION

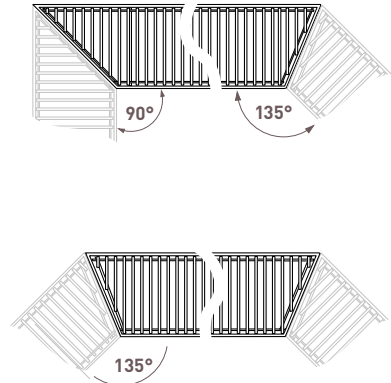
In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

ORDERING CODE

code	height	length	width
7693.014	110	026	

CORNERS 135° OR 90°

For wooden and aluminium grilles.

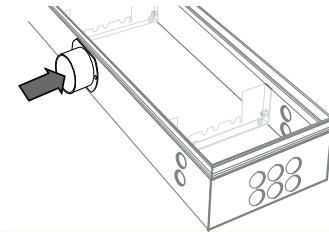


To order corner elements, please contact Jaga at: jaga@jaga.co.uk. Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

DIFFERENT HEIGHT, WIDTH OR LENGTH
contact Jaga.

AIR REFRESHMENT

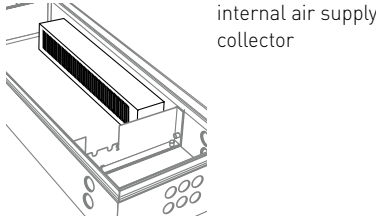
Mounted spigot connector for air supply channel



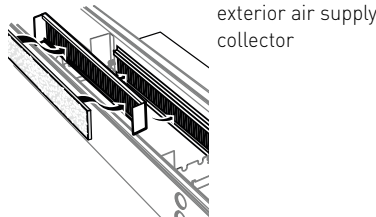
CODE
/V1 1 spigot connection ø 80 mm
/V2 2 spigot connections ø 80 mm
Add /V1 or /V2 to the Mini Canal code.
Example: MDCL. 014 110 26 /XXX /V1

Other systems

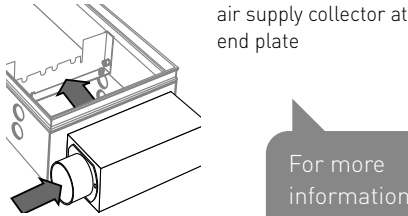
Air refreshment system 2



Air refreshment system 3



Air refreshment system 4



For more information see: www.jaga.co.uk

MINI CANAL HYBRID GRILLE WEIGHTS IN KG/METRE

Finish	Width 128 168 248 328 408				
	Width duct 140	180	260	340	420
Roll-up Designo merbau/merbau varnished	2.18	3.00	3.52	3.98	4.67
Roll-up Designo oak/oak varnished	1.59	2.03	2.69	3.34	3.90
Roll-up Designo beech/beech varnished	1.50	1.90	2.50	3.10	3.60
Roll-up merbau/merbau varnished	2.15	2.70	3.03	3.35	4.05
Roll-up oak/oak varnished	1.48	1.71	2.15	2.61	3.12
Roll-up beech/beech varnished	1.40	1.60	2.00	2.42	2.88
Roll-up alu natural/black/brown/brass	1.21	1.38	2.07	2.76	3.45
Roll-up stainless steel	2.18	2.86	4.22	5.58	6.94
Rigid Designo alu natural/black/brown/brass/lacquered	1.60	2.10	3.20	4.10	5.00
Rigid alu natural/black/brown/brass/lacquered	1.55	2.20	2.50	3.15	3.75

MINI CANAL HYBRID ▪ B 260 ▪ OUTPUT TABLES

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts				
140	1100	260	0	285	141	80	43	-	0.0	-	0.0
			1	1409	788	492	293	92	26.0	166	8.4
			2	1505	841	526	313	97	30.0	190	9.4
			3	1568	877	548	326	97	35.7	230	11.0
	1300	260	0	359	178	101	54	-	0.0	-	0.0
			1	1810	1012	633	376	120	26.0	212	10.8
			2	1949	1090	681	405	128	30.0	242	12.0
			3	2068	1156	723	430	129	37.0	306	14.7
	1500	260	0	430	213	120	64	-	0.0	-	0.0
			1	2198	1229	768	457	147	26.0	257	13.2
			2	2379	1330	832	494	158	30.0	293	14.6
			3	2567	1435	897	533	161	38.0	383	18.3
	1700	260	0	503	249	141	75	-	0.0	-	0.0
			1	2577	1441	901	536	173	26.0	301	15.5
			2	2802	1567	979	582	188	30.0	343	17.2
			3	3067	1715	1072	637	193	38.8	460	22.0
	1900	260	0	587	290	164	88	-	0.0	-	0.0
			1	2960	1655	1035	615	199	26.0	343	17.8
			2	3228	1805	1128	671	217	30.0	391	19.7
			3	3578	2000	1251	744	225	39.4	536	25.7
	2100	260	0	644	319	180	96	-	0.0	-	0.0
			1	3017	1687	1055	627	119	26.0	343	17.8
			2	3285	1837	1148	683	217	30.0	391	19.7
			3	3636	2033	1271	756	225	39.4	536	25.7
	2300	260	0	717	355	201	107	-	0.0	-	0.0
			1	3345	1870	1169	695	224	26.0	385	20.0
			2	3658	2045	1279	760	245	30.0	438	22.2
			3	4100	2292	1433	852	258	40.0	613	29.3
	2500	260	0	788	390	221	118	-	0.0	-	0.0
			1	3738	2090	1307	777	249	26.0	426	22.2
			2	4095	2289	1431	851	273	30.0	485	24.6
			3	4634	2591	1620	963	290	40.5	689	33
	2700	260	0	860	425	241	128	-	0.0	-	0.0
			1	4089	2286	1429	850	273	26.0	467	24.4
			2	4491	2511	1570	933	300	30.0	531	27.0
			3	5134	2870	1795	1067	322	41.0	766	36.7
	2900	260	0	931	460	261	139	-	0.0	-	0.0
			1	4434	2479	1550	921	297	26.0	506	26.5
			2	4881	2729	1706	1014	328	30.0	576	29.4
			3	5556	3106	1942	1155	362	38.1	757	36.8
	3100	260	0	1006	498	282	150	-	0.0	-	0.0
			1	4779	2672	1670	993	320	26.0	546	28.7
			2	5272	2947	1843	1096	355	30.0	621	31.8
			3	5800	3243	2027	1205	386	35.0	733	36.4

Output measured in accordance with EN 16430
* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

OUTPUT TABLES ▪ B 340 ▪ MINI CANAL HYBRID

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts				
140	1100	340	0	376	186	105	56	-	0.0	-	0.0
			1	1821	1030	650	390	104	26.0	166	8.4
			2	1944	1099	694	417	113	30.0	190	9.4
			3	1990	1125	710	426	113	35.7	230	11.0
	1300	340	0	473	234	132	71	-	0.0	-	0.0
			1	2336	1321	833	501	133	26.0	212	10.8
			2	2519	1425	899	540	148	30.0	242	12.0
			3	2624	1484	936	562	151	37.0	306	14.7
	1500	340	0	566	280	159	85	-	0.0	-	0.0
			1	2831	1601	1010	607	161	26.0	257	13.2
			2	3076	1739	1097	659	181	30.0	293	14.6
			3	3256	1841	1162	698	189	38.0	383	18.3
	1700	340	0	663	328	186	99	-	0.0	-	0.0
			1	3315	1875	1183	711	188	26.0	301	15.5
			2	3622	2048	1292	776	213	30.0	343	17.2
			3	3890	2200	1388	834	226	38.8	460	22.0
	1900	340	0	773	382	217	115	-	0.0	-	0.0
			1	3801	2150	1356	815	214	26.0	343	17.8
			2	4171	2359	1488	894	245	30.0	391	19.7
			3	4539	2566	1619	973	264	39.4	536	25.7
	2100	340	0	849	420	238	127	-	0.0	-	0.0
			1	3877	2192	1383	831	214	26.0	343	17.8
			2	4247	2401	1515	910	245	30.0	391	19.7
			3	4614	2609	1646	989	264	39.4	536	25.7
	2300	340	0	945	467	265	141	-	0.0	-	0.0
			1	4338	2453	1548	930	238	26.0	385	20.0
			2	4772	2698	1703	1023	275	30.0	438	22.2
			3	5248	2968	1872	1125	302	40.0	613	29.3
	2500	340	0	1039	514	291	155	-	0.0	-	0.0
			1	4789	2708	1709	1026	262	26.0	426	22.2
			2	5287	2990	1886	1133	305	30.0	485	24.6
			3	5880	3325	2098	1260	339	40.5	689	33.0
	2700	340	0	1133	560	317	169	-	0.0	-	0.0
			1	5230	2958	1866	1121	285	26.0	467	24.4
			2	5794	3276	2067	1242	334	30.0	531	27.0
			3	6511	3682	2323	1395	377	41.0	766	36.7
	2900	340	0	1227	607	344	183	-	0.0	-	0.0
			1	5665	3204	2021	1214	308	26.0	506	26.5
			2	6295	3560	2246	1349	362	30.0	576	29.4
			3	7138	4037	2547	1530	424	38.1	757	36.8
	3100	340	0	1325	656	371	198	-	0.0	-	0.0
			1	6097	3448	2175	1307	330	26.0	546	28.7
			2	6793	3841	2424	1456	390	30.0	621	31.8
			3	7495	4238	2674	1606	446	35.0	733	36.4

Output measured in accordance with EN 16430
* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

MINI CANAL HYBRID ▪ B 420 ▪ OUTPUT TABLES

DIMENSIONS			POSITION	HEATING ROOM TEMPERATURE 20°C				COOLING [Non-condensing] ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts			
140	1100	260	0	466	231	131	70	-	0.0	-	0.0
			1	2141	1213	766	461	89	26.0	166	8.4
			2	2279	1291	815	490	96	30.0	190	9.4
			3	2332	1320	834	502	96	35.7	230	11.0
	1300	260	0	586	290	164	87	-	0.0	-	0.0
			1	2749	1557	984	592	115	26.0	212	10.8
			2	2953	1673	1057	636	126	30.0	242	12.0
			3	3072	1740	1099	661	128	37.0	306	14.7
1500	260	0	702	347	197	105	-	0.0	-	0.0	
		1	3334	1888	1193	718	140	26.0	257	13.2	
		2	3607	2043	1290	776	155	30.0	293	14.6	
		3	3810	2158	1363	820	160	38.0	383	18.3	
1700	260	0	821	406	230	123	-	0.0	-	0.0	
		1	3908	2213	1398	841	164	26.0	301	15.5	
		2	4249	2407	1520	914	183	30.0	343	17.2	
		3	4552	2578	1629	980	192	38.8	460	22.0	
1900	260	0	958	474	268	143	-	0.0	-	0.0	
		1	4485	2540	1605	965	164	26.0	343	17.8	
		2	4897	2773	1752	1054	183	30.0	391	19.7	
		3	5310	3008	1900	1143	192	39.4	536	25.7	
2100	260	0	1052	520	295	157	-	0.0	-	0.0	
		1	4579	2593	1638	985	187	26.0	343	17.8	
		2	4990	2826	1786	1074	210	30.0	391	19.7	
		3	5404	3061	1934	1163	224	39.4	536	25.7	
2300	260	0	1171	579	328	175	-	0.0	-	0.0	
		1	5126	2903	1834	1103	210	26.0	385	20.0	
		2	5609	3177	2007	1207	237	30.0	438	22.2	
		3	6144	3480	2198	1322	256	40.0	613	29.3	
2500	260	0	1287	637	361	192	-	0.0	-	0.0	
		1	5662	3207	2026	1219	231	26.0	426	22.2	
		2	6217	3521	2224	1338	263	30.0	485	24.6	
		3	6883	3898	2463	1481	288	40.5	689	33.0	
2700	260	0	1404	694	393	210	-	0.0	-	0.0	
		1	6188	3505	2214	1332	253	26.0	467	24.4	
		2	6816	3860	2439	1467	288	30.0	531	27.0	
		3	7622	4317	2727	1640	321	41.0	766	36.7	
2900	260	0	1520	752	426	227	-	0.0	-	0.0	
		1	6706	3798	2399	1443	273	26.0	506	26.5	
		2	7407	4195	2650	1594	313	30.0	576	29.4	
		3	8350	4729	2988	1797	359	38.1	757	36.8	
3100	260	0	1642	812	460	245	-	0.0	-	0.0	
		1	7222	4090	2584	1554	294	26.0	546	28.7	
		2	7997	4529	2861	1721	338	30.0	621	31.8	
		3	8779	4972	3141	1889	380	35.0	733	36.4	

Output measured in accordance with EN 16430
* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

WATER CONTENT
IN LITRES/METRE

MINI CANAL HYBRID			
L	B260	B340	B420
mm	l	l	l
1100	0.63	0.95	1.27
1300	0.76	1.14	1.52
1500	0.89	1.34	1.78
1700	1.02	1.53	2.04
1900	1.15	1.72	2.29
2100	1.28	1.92	2.56
2300	1.4	2.11	2.81
2500	1.53	2.3	3.06
2700	1.66	2.5	3.33
2900	1.79	2.69	3.58
3100	1.92	2.88	3.84

WEIGHT
IN KG/METRE

MINI CANAL HYBRID			
L	B260	B340	B420
mm	kg	kg	kg
1100	2.90	3.30	19.80
1300	3.40	19.80	23.40
1500	3.90	22.90	27.00
1700	4.50	26.00	30.60
1900	5.00	29.00	34.20
2100	5.50	32.00	37.90
2300	6.00	35.00	41.50
2500	6.60	38.00	45.10
2700	7.10	41.00	48.70
2900	7.60	44.00	52.30
3100	8.20	47.00	56.00

Weight and water content without packaging or options



CLIMA CANAL 08

Extremely compact and silent

For low temperature heating and light cooling

Despite its height of just 80 mm, the Jaga Clima Canal 08 delivers a high heat output and is also suitable for light cooling. The dynamic heat exchanger and the tangential fans have been specially developed to generate higher power levels within a limited volume. It does so at a very low noise level.

Ventilate comfortably

Jaga Clima Canal can optionally be provided with a ventilation connection. The Clima Canal can thus provide comfortable and pre-heated ventilation while being completely integrated into the floor.

With energy-efficient EC motors

By making use of the latest EC motors, the Clima Canal units use 50 % less electrical energy. These can be controlled through the latest home automation systems via their 0-10 VDC speed control.

Clima Canal 10, 13 and 019:
Also suitable for non-condensing and
condensing cooling

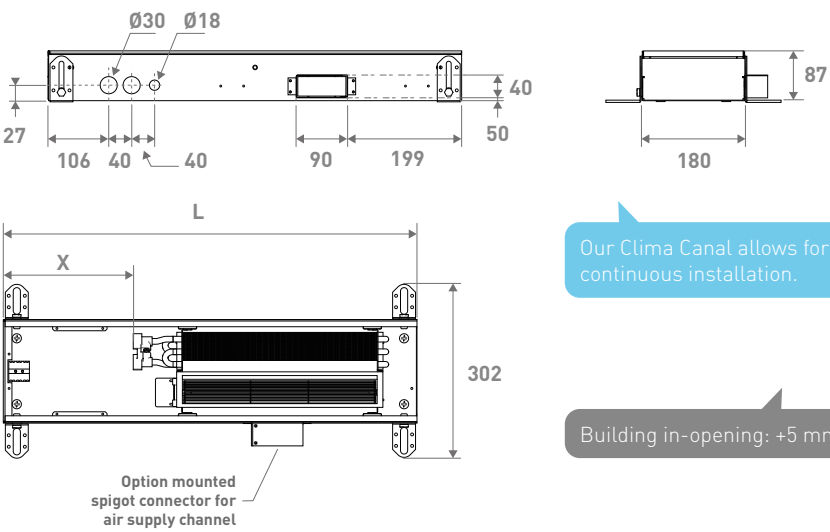


CLIMA CANAL 08

CLIMA CANAL 08 - SUMMARY



DIMENSIONS in mm



HYDRAULIC CONNECTION

- Same end element with 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.

With energy efficient EC motor

COMPOSITION

Cover plate

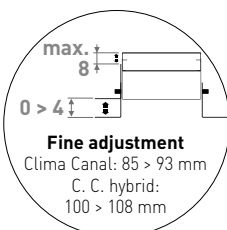
Grille

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

Stainless steel flexible connections 1/2" Length 150 mm

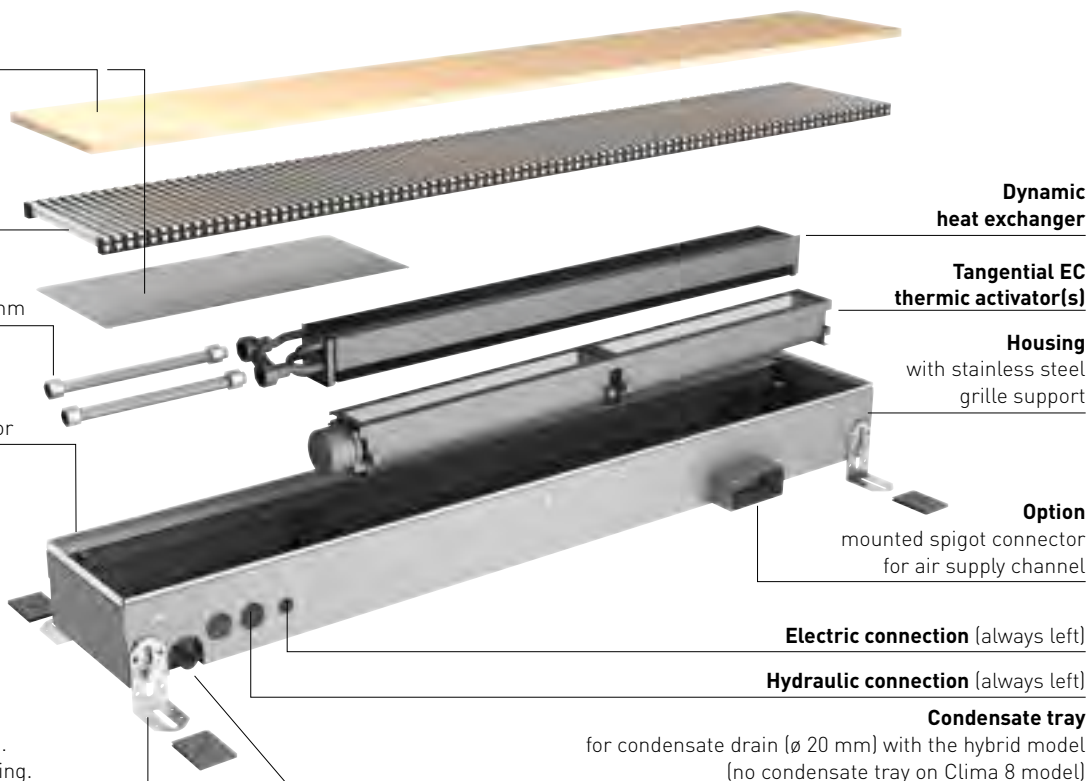
Fine adjustment

to max. 8 mm, for a perfect alignment with the finished floor



Height adjuster

for fine adjustment of 0-45 mm. Provided with acoustic decoupling.



ORDERING CODE

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

DELIVERY

Product is made to order, please contact our sales department on 01531 631 533 for further information.

OVERVIEW GRILLES - CLIMA CANAL 08

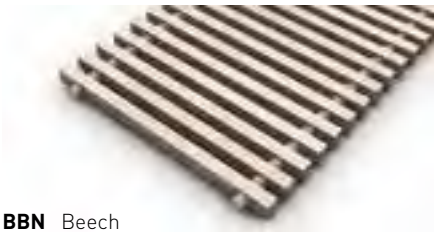
OVERVIEW GRILLES

Wooden grilles



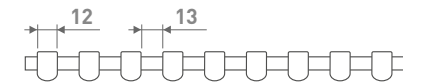
BON Oak

BOV Oak varnished



BBN Beech

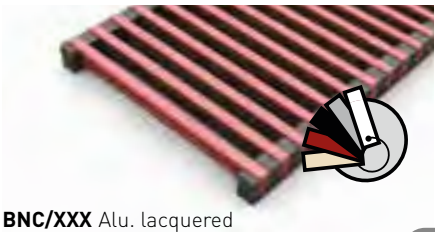
BBV Beech varnished



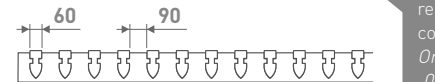
Aluminium grilles



BNA Alu. natural



BNC/XXX Alu. lacquered



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..) and special colours 006, 005, 026, 028.

CLOCK THERMOSTATS
HEATING / COOLING

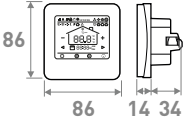
The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- Automatic thermostat for 2-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.
- Programmable zones.
- LCD display with background lighting.
- Protection category IP30.

FOR RECESSED MOUNTING

NEW

Jaga clock thermostat for recessed/panel mounting JRT-100TW



86 86 14 34



Touchscreen



Wi-Fi



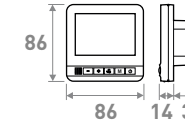
App

- LCD touchscreen with background lighting.
- Control via WIFI (smartphone app).
- Programmable time zones 7 days [1-7].
- Control valves 24 VDCa heating/cooling.
- Thermostat to be mounted in a junction box
 - Spacing holes at 60 mm.
 - Minimum depth 45 mm.
 - Inner dimension 50 x 50 mm or Ø 60 mm.

CODE

8751.050017 recessed/panel mounted

Jaga clock thermostat for
recessed/panel mounting



86 86 14 34

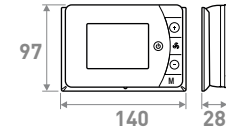
- Control valves 24 VDC heating/cooling.
- Thermostat to be mounted in a junction box
 - Spacing holes at 60 mm.
 - Minimum depth 45 mm.
 - Inner dimension 50 x 50 mm or Ø 60 mm.

CODE

8751.050012 recessed/panel mounted

FOR WALL MOUNTING

Jaga clock thermostat for wall mounting



97 140 28

- 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 60 mm.

CODE

8751.050013 wall mounted

PRE-ASSEMBLED JAGA
DYNAMIC PRODUCT
CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- Control per appliance.
 - Control with operation and with sensor for water temperature, pre-configured and assembled by Jaga.
 - Power supply 24 VDC.
 - Ventilator settings:
 - Standby.
 - Heating: 3 speeds (operates at water temperature >28°C, can easily be modified).
 - Cooling: 3 speeds (operates at water temperature <18°C, can easily be modified).
 - 0-10 V input for building management system/ thermostats/DPC.CC71-72.
- For more information contact Jaga

CODE	
DPC.CC24	Heating
DPC.CC25	Heating and cooling

Touch operation

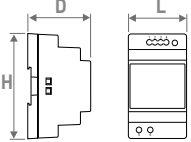


Product controller

POWER SUPPLY DIN-RAIL
MONTAGE



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



D L H

CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59
7990.057	90	103	59

- For DIN-rail or wall mounting.
- Conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2.
- Output voltage 24 VDC.
- Input voltage 100 - 240 VAC.
- Screw connection.
- LED indicator.

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9
7990.057	150	10

Required power = sum of the power consumption of the devices

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.



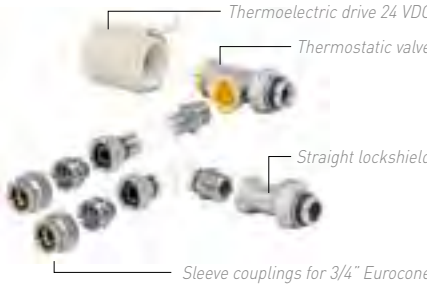
Not suitable for installation in the floor duct.

- Conformity: UL60950 - EN 60950 / Class 2.
- Output voltage 24 VDC.
- Input voltage 100 - 240 VAC.
- Dimensions L 1450 x B 450 x H 300 mm.

CODE	Output Watts	Output current A
37603.010002	40	1.67

CONNECTION SET WITH
JAGA TWO-WAY VALVE 24 VDC

All connection / valve sets shown are examples only. please confirm before ordering that the valve sets you have selected are suitable.



- 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. 48.

set 297 Kv max. 0.8 - Presetting in 6 steps TWO PIPE

CODY.JA4.24.4... 24 VDC

CODY.JA4.10.4... 0...10 VDC

fill in sleeve coupling code

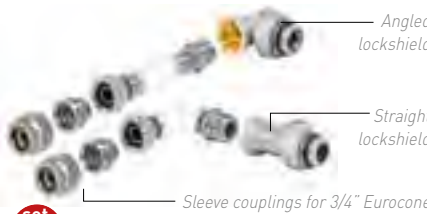
set 298 Kv max. 0.8 - Presetting in 6 steps TWO PIPE

CODY.JA4.24.4... 24 VDC

CODY.JA4.10.4... 0...10 VDC

fill in sleeve coupling code

CONNECTION SET WITH
2 LOCKSHIELDS G 1/2"



set 299

CODY.LOM.00.4...

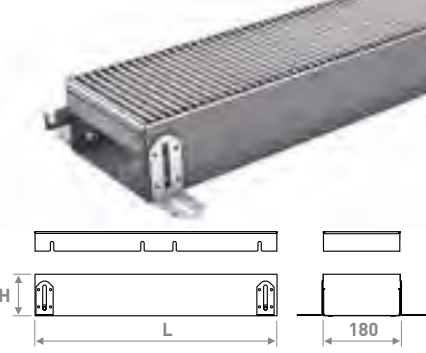
fill in sleeve coupling code

SLEEVE COUPLINGS EUROCON

Precision metal tube			
CODE	Tube	CODE	Tube
112	12/1	116	16/1
114	14/1	118	18/1
115	15/1		
Synthetic or RPE/ALU tube			
CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

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 85 > 133 mm.
- Fine adjustment for alignment with the finished floor.
- Cover plate.

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

MOUNTED SPIGOT CONNECTOR
FOR AIR SUPPLY CHANNEL

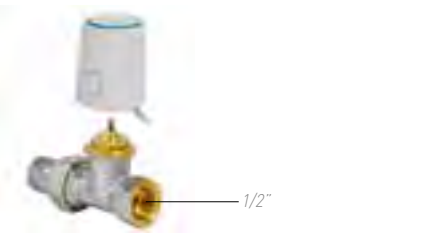
Height 4 x length 90mm



CODE
/VEN

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

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).

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 85 > 133 mm.
 - Clima Canal Hybrid 98 > 146 mm.
 - Fine adjustment for alignment with the finished floor.

CODE
CLCD.008 025 18/BNA Alu. natural
CLCD.008 025 18/BNC/... Alu. lacquered
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 Clima Canal

L 72 = 1 set
L 120 = 1 set
L 150 = 2 sets
L 180 = 2 sets

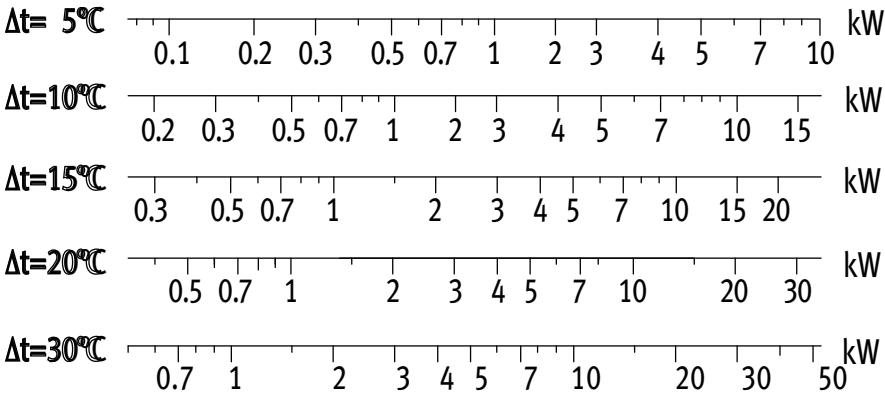
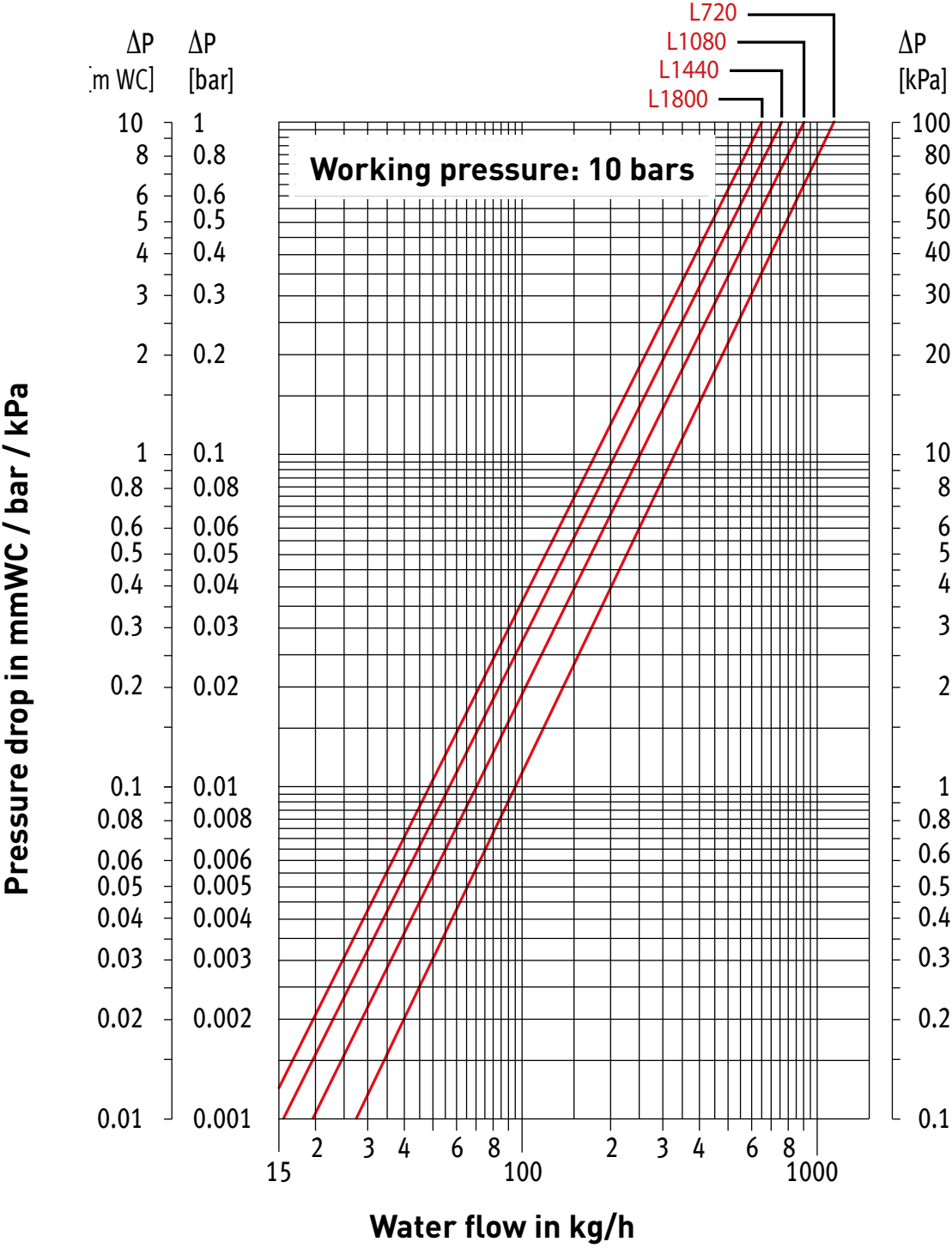
CODE	H
5209.05070000	50 > 70 mm
5209.08130000	80 > 130 mm
5209.13230000	130 > 230 mm
5209.20300000	200 > 300 mm

CLIMA CANAL 08 - OUTPUT TABLES

DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	16/18 Watts			
80	720	180	2	276	165	108	68	30	14	24	0.5
			4	496	296	195	123	66	15	37	0.8
			6	699	417	275	173	104	23	52	1.3
			8	891	531	350	220	144	28	68	2.1
			10	1075	641	422	266	185	34	79	3.0
1080	180		2	569	339	224	141	62	15	42	0.6
			4	1021	609	401	253	135	19	75	1.3
			6	1438	858	565	356	214	29	98	2.7
			8	1834	1094	720	454	296	32	125	4.6
1440	180		2	894	533	351	221	97	16	66	1.1
			4	1605	957	631	397	212	20	112	2.1
			6	2260	1348	888	559	336	30	150	4.0
			8	2881	1718	1132	713	465	35	193	6.6
1800	180		10	3479	2075	1367	861	598	39	239	10.1
			2	1219	727	479	302	132	18	84	1.2
			4	2188	1305	860	541	290	22	150	2.5
			6	3082	1838	1211	763	458	32	196	5.4
			8	3929	2343	1543	972	634	37	250	9.1
			10	4744	2829	1864	1174	816	41	320	14.1

* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

PRESSURE DROP - CLIMA CANAL 08



CLIMA CANAL 10, 13, 19

Complete climate control

Very high power level for heating and cooling

Despite its compact dimensions, the Clima Canal is very powerful. It's compatible with any heat source and perfect for low temperature systems and heat pumps. Suitable for both light cooling (non-condensing) and deep cooling (condensing). All Clima Canal units with a height of 10/13/19 come equipped with a condensation drain and have been developed to quietly generate high power levels within a compact space.

Ventilate comfortably

Jaga Clima Canal can optionally be provided with a ventilation connection to provide comfortable and pre-heated ventilation while being completely integrated into the floor.

With energy-efficient EC motors

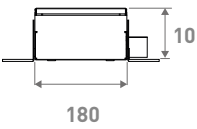
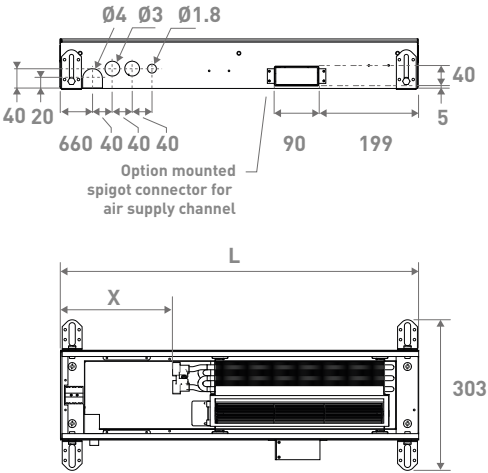
By making use of the latest EC motors, the Clima Canal units use 50 % less electrical energy. These can be controlled through the latest home automation systems via their 0-10 VDC speed control.



CLIMA CANAL 10, 13, 19

CLIMA CANAL 10 - SUMMARY

DIMENSIONS in mm



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
723	721	230
1083	1081	230
1443	1441	185
1803	1801	150

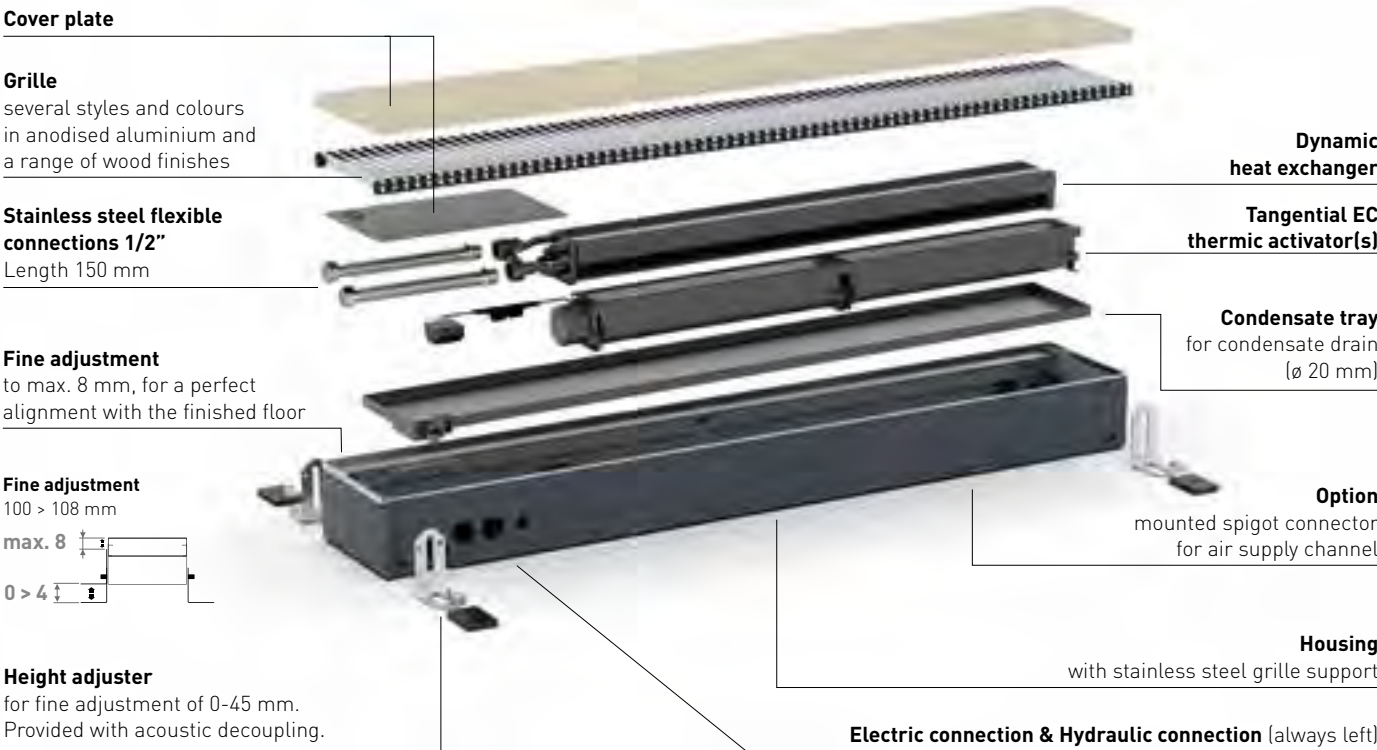
HYDRAULIC CONNECTION

- Same end element with 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

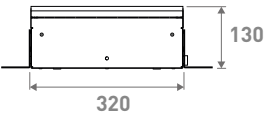
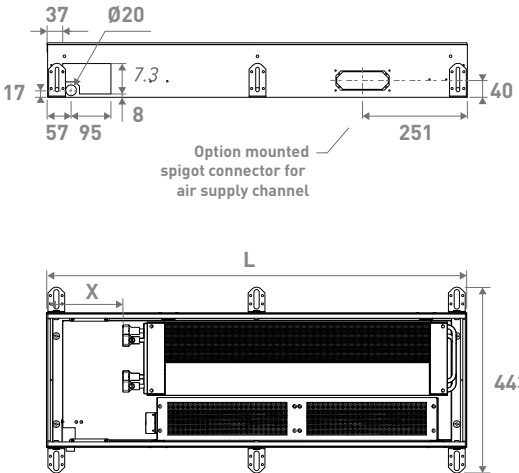
- Clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- Control of speed activator(s) 0-10V.

COMPOSITION



SUMMARY - CLIMA CANAL 13

DIMENSIONS in mm



Our Clima Canal allows for a continuous installation.

L	L through-mounting	X
723	721	230
1083	1081	230
1443	1441	185
1803	1801	150

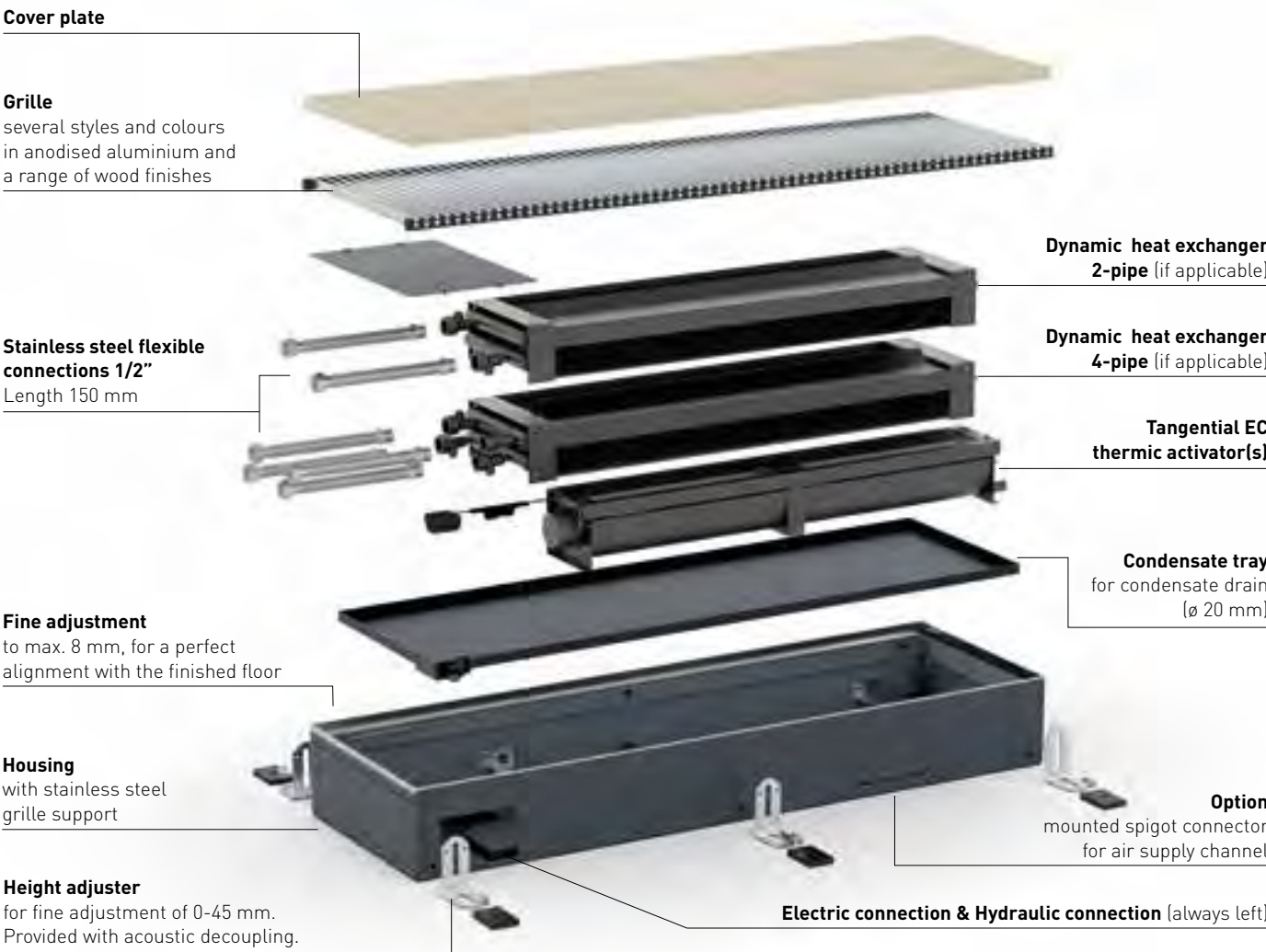
HYDRAULIC CONNECTION

- 2-pipe: same end element with 2 pipe connection on the left of a two-pipe installation.
- 4-pipe: same end element with 4 pipe connection on the left always has to be connected to an installation with two separated hydraulic systems.
- 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

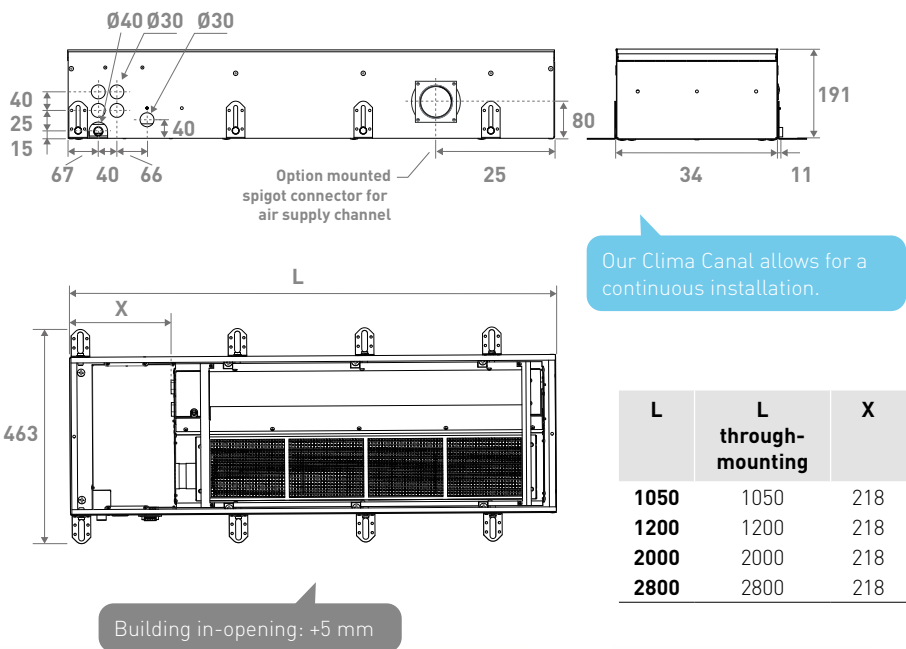
- Clamp connector for 24VDC electrical connection, left side, to be connected via external power supply.
- Control of speed activator(s) 0-10V.

COMPOSITION

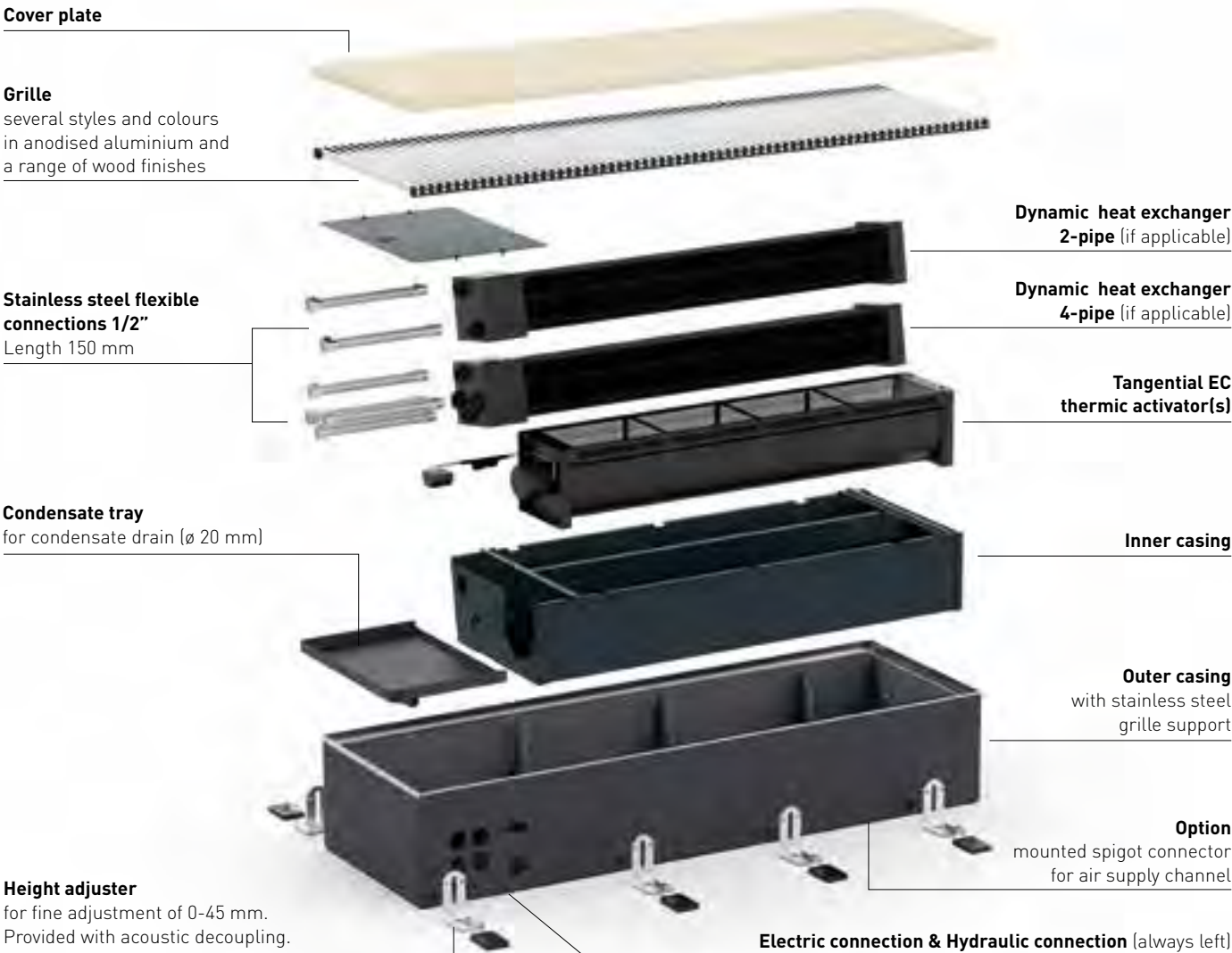


CLIMA CANAL 19 - SUMMARY

DIMENSIONS in mm



COMPOSITION



OVERVIEW GRILLES - CLIMA CANAL 10, 13, 19

Wooden grilles



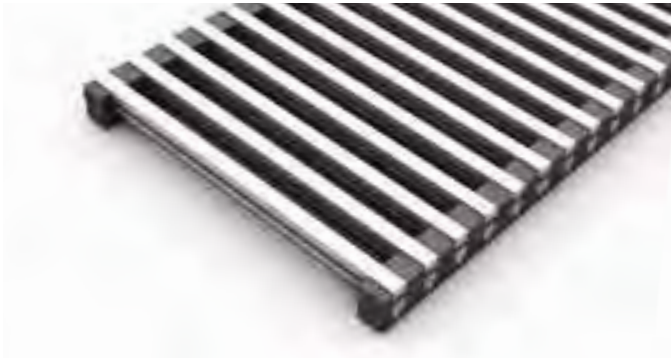
BON Oak
BOV Oak varnished



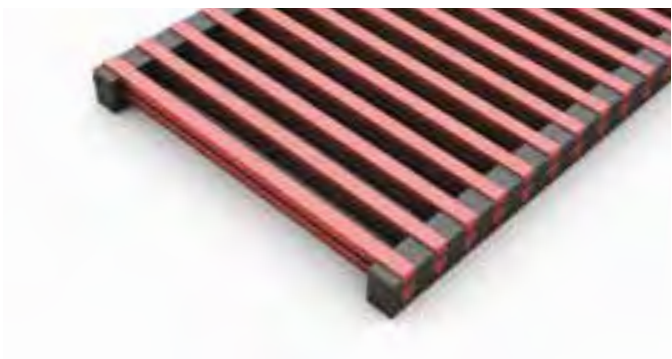
BBN Beech
BBV Beech varnished



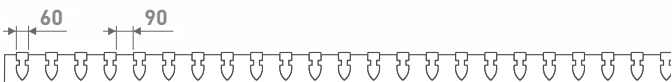
Aluminium grilles



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..) and special colours 006, 005, 026, 028.



Height 19 2- and 4-pipe
Height 13 2- and 4-pipe
Height 10 2- pipe
Height 08 2- pipe



CLIMA CANAL 10, 13, 19 - OPTIONS

CLOCK THERMOSTATS
HEATING / COOLING

The general characteristics in bold below are valid for the thermostats 8751.050013 - 8751.050012 - 8751.050009 - 8751.050017

- Automatic thermostat for 2-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.
- Programmable zones.
- LCD display with background lighting.
- Protection category IP30.

FOR RECESSED MOUNTING

NEW

Jaga clock thermostat for recessed/panel mounting JRT-100TW



86

86

14

34

Touchscreen

Wi-Fi

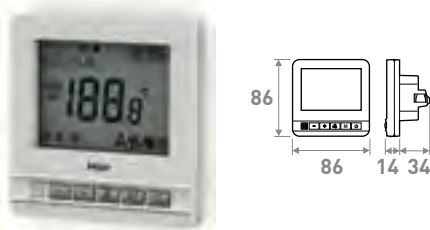
App

- LCD touchscreen with background lighting.
- Control via WIFI (smartphone app).
- Programmable time zones 7 days [1-7].
- Control valves 24 VDCa heating/cooling.
- Thermostat to be mounted in a junction box
 - Spacing holes at 60 mm.
 - Minimum depth 45 mm.
 - Inner dimension 50 x 50 mm or Ø 60 mm.

CODE

8751.050017 recessed/panel mounted

Jaga clock thermostat for recessed/panel mounting

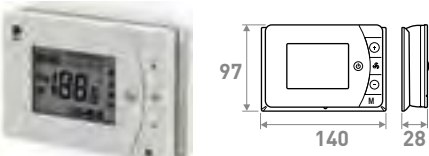


- Control valves 24 VDC heating/cooling.
- Thermostat to be mounted in a junction box
 - Spacing holes at 60 mm.
 - Minimum depth 45 mm.
 - Inner dimension 50 x 50 mm or Ø 60 mm.

CODE
8751.050012 recessed/panel mounted

FOR WALL MOUNTING

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 60 mm.

CODE
8751.050013 wall mounted

PRE-ASSEMBLED JAGA
DYNAMIC PRODUCT
CONTROLLER (JDPC)

Multifunctional controller for dynamic heating and cooling devices provided with one or more built-in fans. The Jaga Dynamic Product Controller is pre-configured and assembled inside the device. The configuration options are device dependent, and are selected using the code shown on the sticker in the device.

- Control per appliance.
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- Power supply 24 VDC.
- Ventilator settings:
 - Standby.
 - Heating: 3 speeds (operates at water temperature >28°C, can easily be modified)
 - Cooling: 3 speeds (operates at water temperature <18°C, can easily be modified).
- 0-10 V input for building management system/ thermostats/DPC.CC71-72.

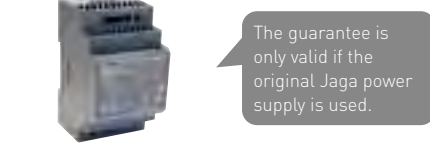
For more information contact Jaga

CODE
DPC.CC24 Heating
DPC.CC25 Heating and cooling

Touch operation



POWER SUPPLY DIN-RAIL
MONTAGE



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

CODE	H	L	D
7990.054	90	35	59
7990.055	90	53	59
7990.056	90	70	59
7990.057	90	103	59

- For DIN-rail or wall mounting.
- Conformity UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2.
- Output voltage 24 VDC.
- Input voltage 100 - 240 VAC.
- Screw connection.
- LED indicator.

CODE	Output Watts	Output current A
7990.054	36	1.5
7990.055	60	2.5
7990.056	92	3.9
7990.057	150	10

Required power = sum of the power consumption of the devices

SEPARATE POWER SUPPLY

Waterproof power supply 24 VDC/30 Watt with waterproof cable gland.



Not suitable for installation in the floor duct.

- Conformity: UL60950 - EN 60950 / Class 2
- Output voltage 24 VDC
- Input voltage 100 - 240 VAC
- Dimensions L 1450 x B 450 x H 300 mm

CODE	Output Watts	Output current A
37603.010002	40	1.67

CONNECTION SET WITH
JAGA TWO-WAY VALVE 24 VDC

All connection / valve sets shown are examples only. please confirm before ordering that the valve sets you have selected are suitable.



- 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. 64.

set 297

Kv max. 0.8 - Presetting in 6 steps
TWO PIPE

CODY.JA4.24.4..



24 VDC

CODY.JA4.10.4...



0...10 VDC

fill in sleeve coupling code

set 298

Kv max. 0.8 - Presetting in 6 steps
TWO PIPE

CODY.JA4.24.4..



24 VDC

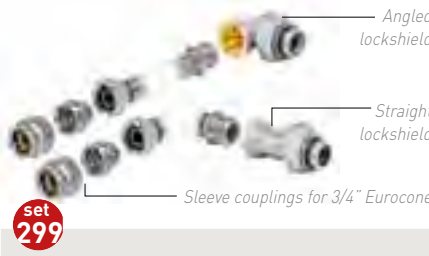
CODY.JA4.10.4...



0...10 VDC

fill in sleeve coupling code

CONNECTION SET WITH
2 LOCKSHIELDS G 1/2"



CODY.LOM.00.4...
fill in sleeve coupling code

SLEEVE COUPLINGS
EUROCODE

Precision metal tube			
CODE	Tube	CODE	Tube
112	12/1	116	16/1
114	14/1	118	18/1
115	15/1		
Synthetic or RPE/ALU tube			
CODE	Tube	CODE	Tube
612	12/2	615	15/2.5
614	14/2	619	16/1.5
616	16/2	620	20/2
617	17/2		
618	18/2		

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).

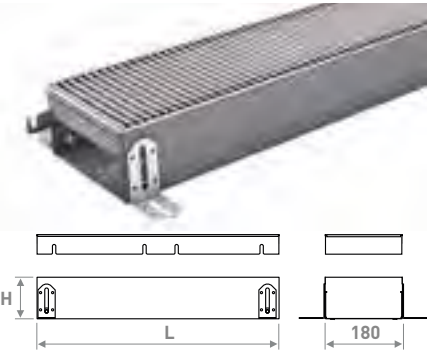
CODE
/VEN

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

CLIMA CANAL 10, 13, 19 - 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 10: 100 > 140 mm.
 - Clima Canal 13: 133 > 170 mm.
 - Clima Canal 19: 190 > 230 mm.
- Fine adjustment for alignment with the finished floor.
- Cover plate.

Clima Canal 10

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

Clima Canal 13

	code	height	length	width	grille
ORDERING CODE	CCLD.	013	072	32	BNA

Clima Canal 19

	code	height	length	width	grille
ORDERING CODE	CCAD.	019	105	34	BNA

MOUNTED SPIGOT CONNECTOR FOR AIR SUPPLY CHANNEL

CLIMA CANAL 10 - 13
Height 40 x length 90 mm



CODE
/VEN

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

CLIMA CANAL 19

Diameter toevoer: ø80 - 100 - 125 mm



CODE
/VEN

Add /VEN to the code of Clima Canal.
Example: CCAF. 019 105 34 /XXX /VEN

CORNER PIECE



- Aluminium grille natural or lacquered.
- Casing with stainless steel grille support.
- Height adjustment:
 - Clima Canal 10: 100 > 140 mm.
 - Clima Canal 13: 133 > 170 mm.
 - Clima Canal 19: 190 > 230 mm.
- Fine adjustment for alignment with the finished floor.

Clima Canal 10

	code	height	length	width	grille
ORDERING CODE	CLCD.	010	025	18	BNA
H	L				
010	025				

Clima Canal 13

	code	height	length	width	grille
ORDERING CODE	CCLD.	013	038	32	BNA
H	L				
013	038				

Clima Canal 19

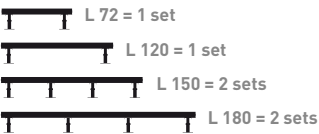
	code	height	length	width	grille
ORDERING CODE	CCAD.	019	040	34	BNA
H	L				
019	040				

FEET WITH HEIGHT ADJUSTMENT FOR RAISED FLOORS



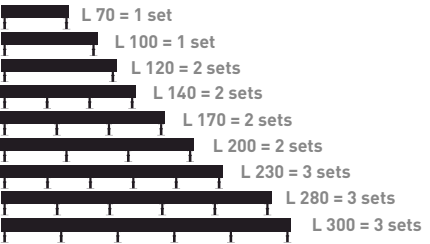
- Lacquered in dark grey RAL 7024.
- Easy installation by means of screws.
- 1 set includes 2 height adjusting controls.

Number of sets per Clima Canal 10



CODE	H
5209.05070000	50 > 70 mm
5209.08130000	80 > 130 mm
5209.13230000	130 > 230 mm
5209.20300000	200 > 300 mm

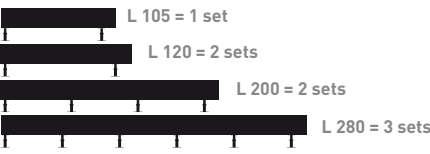
Number of sets per Clima Canal 13



CODE	H
5213.05070000	50 > 70 mm
5213.08130000	80 > 130 mm
5213.13230000	130 > 230 mm
5213.20300000	200 > 300 mm



Number of sets per Clima Canal 19



CODE	H
5212.05070000	50 > 70 mm
5212.08130000	80 > 130 mm
5212.13230000	130 > 230 mm
5212.20300000	200 > 300 mm

OUTPUT TABLES - 2 PIPE - CLIMA CANAL 10

STANDARD DELIVERY

- Casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support.
- Anodized aluminium or wooden grille(s).
- Dynamic heat exchanger.
- 2 stainless steel flexible connections 1/2", length 150 mm.
- Thermal activator(s), (tangential mini activator).
- Height adjuster for fine adjustment of 0-45mm, provided with acoustic decoupling.
- Cover plate.



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C		SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H	L	B		U	75/65	55/45	45/35	35/30	7/12	7/12	16/18					
mm	mm	mm	V	Watts	Watts	Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts			
100	720	180	2	276	165	108	68	59	42	30	14	24	0.5			
			4	496	296	195	123	135	96	66	15	37	0.8			
			6	699	417	275	173	223	161	104	23	52	1.3			
			8	891	531	350	220	319	234	144	28	68	2.1			
			10	1075	641	422	266	414	307	185	34	79	3.0			
1080	180	2	569	339	224	141	122	87	62	15	42	0.6				
		4	1021	609	401	253	275	197	135	19	75	1.3				
		6	1438	858	565	356	458	332	214	29	98	2.7				
		8	1834	1094	720	454	655	480	296	32	125	4.6				
		10	2214	1320	870	548	852	632	381	37	160	7.1				
1440	180	2	894	533	351	221	191	135	97	16	66	1.1				
		4	1605	957	631	397	432	309	212	20	112	2.1				
		6	2260	1348	888	559	720	521	336	30	150	4.0				
		8	2881	1718	1132	713	1029	754	465	35	193	6.6				
		10	3479	2075	1367	861	1337	992	598	39	239	10.1				
1800	180	2	1219	727	479	302	261	184	132	18	84	1.2				
		4	2188	1305	860	541	591	423	290	22	150	2.5				
		6	3082	1838	1211	763	981	711	458	32	196	5.4				
		8	3929	2343	1543	972	1403	1028	634	37	250	9.1				
		10	4744	2829	1864	1174	1825	1354	816	41	320	14.1				

* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

CLIMA CANAL 13 ▪ 2 PIPE ▪ OUTPUT TABLES

STANDARD DELIVERY

- Casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support.
- Anodized aluminium or wooden grille(s).
- Dynamic heat exchanger.
- 2 stainless steel flexible connections 1/2", length 150 mm.
- Thermal activator(s), (tangential mini activator).
- Height adjuster for fine adjustment of 0-45mm, provided with acoustic decoupling.
- Cover plate.



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 20°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C	SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts				
130	700	320	2	313	187	123	77	147	104	67	16.0	35	1.0		
			4	692	413	272	171	275	197	122	19.0	44	1.6		
			6	1031	615	405	255	394	285	175	27.0	85	3.2		
			8	1331	794	523	329	492	361	224	35.0	117	5.9		
			10	1592	949	625	394	562	417	271	38.0	137	8.8		
1000	320	2	593	354	233	147	278	197	128	20.0	44	1.0			
		4	1311	782	515	324	522	373	232	25.0	85	1.8			
		6	1955	1166	768	484	746	541	331	29.0	133	3.2			
		8	2523	1505	991	624	932	684	425	36.0	168	6.4			
		10	3017	1799	1185	747	1065	790	515	39.0	202	10.3			
1200	320	2	780	465	306	193	366	259	168	20.0	49	1.4			
		4	1724	1028	677	427	686	491	305	26.0	114	2.4			
		6	2570	1533	1010	636	981	711	435	30.0	174	4.2			
		8	3318	1979	1303	821	1226	899	559	37.0	235	7.2			
		10	3967	2366	1558	982	1401	1039	677	40.0	273	10.6			
1400	320	2	966	576	380	239	454	321	208	21.5	79	2.0			
		4	2137	1275	840	529	850	609	378	26.0	129	3.4			
		6	3186	1900	1252	788	1216	881	539	31.0	218	6.4			
		8	4113	2453	1616	1018	1520	1114	693	38.5	285	12.3			
		10	4917	2933	1932	1217	1736	1288	839	41.5	339	19.1			
1700	320	2	1246	743	490	308	585	414	268	22.0	84	2.4			
		4	2757	1644	1083	682	1097	785	487	27.0	158	4.0			
		6	4110	2451	1614	1017	1569	1137	696	32.0	259	7.4			
		8	5305	3164	2084	1313	1960	1437	894	39.0	352	13.1			
		10	6343	3783	2492	1570	2239	1661	1082	42.0	410	19.4			
2000	320	2	1527	910	600	378	717	507	328	23.0	93	2.4			
		4	3376	2014	1326	835	1343	962	596	28.5	199	4.2			
		6	5033	3002	1977	1245	1921	1392	852	32.5	307	7.4			
		8	6497	3875	2552	1608	2401	1760	1095	39.5	403	13.6			
		10	7768	4633	3052	1922	2742	2034	1325	42.5	475	20.9			
2300	320	2	1807	1077	710	447	849	600	389	23.0	98	2.8			
		4	3996	2383	1570	989	1590	1138	706	29.0	228	4.8			
		6	5957	3552	2340	1474	2274	1647	1008	33.0	348	8.4			
		8	7689	4586	3021	1903	2841	2083	1295	40.0	470	14.4			
		10	9193	5483	3611	2275	3246	2407	1568	43.0	546	21.2			
2800	320	2	2273	1356	893	563	1068	755	489	24.0	133	3.8			
		4	5028	2999	1975	1244	2000	1432	888	29.5	272	6.4			
		6	7496	4470	2945	1855	2862	2073	1269	34.0	433	11.6			
		8	9676	5771	3801	2394	3575	2621	1630	41.0	587	20.3			
		10	11569	6900	4545	2863	4084	3029	1973	44.0	683	30.0			

* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

OUTPUT TABLES ▪ 4 PIPE ▪ CLIMA CANAL 13

STANDARD DELIVERY

- Casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support.
- Anodized aluminium or wooden grille(s).
- Dynamic heat exchanger.
- 2 stainless steel flexible connections 1/2", length 150 mm.
- Thermal activator(s), (tangential mini activator).
- Height adjuster for fine adjustment of 0-45mm, provided with acoustic decoupling.
- Cover plate.



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C		SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts	dB(A)	m³/h			
130	700	320	2	268	160	105	66	141	100	65	16.0	35	1.0			
			4	535	319	210	132	264	189	117	19.0	44	1.6			
			6	755	450	297	187	381	276	169	27.0	85	3.2			
			8	927	553	364	229	480	352	219	35.0	117	5.9			
			10	1053	628	414	260	553	410	267	38.0	137	8.8			
	1000	320	2	509	303	200	126	267	189	122	20.0	44	1.0			
			4	1014	605	398	251	501	359	222	25.0	85	1.8			
			6	1431	853	562	354	721	523	320	29.0	133	3.2			
			8	1758	1048	690	435	909	666	415	36.0	168	6.4			
			10	1995	1190	784	494	1049	778	507	39.0	202	10.3			
	1200	320	2	669	399	263	166	352	249	161	20.0	49	1.4			
			4	1334	796	524	330	659	472	293	26.0	114	2.4			
			6	1881	1122	739	466	949	687	421	30.0	174	4.2			
			8	2311	1378	908	572	1195	876	545	37.0	235	7.2			
			10	2624	1565	1031	649	1379	1023	666	40.0	273	10.6			
	1400	320	2	829	494	326	205	436	308	200	21.5	79	2.0			
			4	1653	986	649	409	817	585	363	26.0	129	3.4			
			6	2332	1391	916	577	1176	852	521	31.0	218	6.4			
			8	2865	1709	1125	709	1482	1086	676	38.5	285	12.3			
			10	3252	1940	1278	805	1710	1268	826	41.5	339	19.1			
	1700	320	2	1069	638	420	265	562	398	258	22.0	84	2.4			
			4	2133	1272	838	528	1053	754	468	27.0	158	4.0			
			6	3008	1794	1182	744	1517	1099	672	32.0	259	7.4			
			8	3695	2204	1452	914	1911	1401	872	39.0	352	13.1			
			10	4195	2502	1648	1038	2205	1636	1065	42.0	410	19.4			
	2000	320	2	1310	781	514	324	688	487	315	23.0	93	2.4			
			4	2612	1558	1026	646	1290	923	573	28.5	199	4.2			
			6	3684	2197	1447	912	1857	1346	823	32.5	307	7.4			
			8	4526	2699	1778	1120	2341	1716	1067	39.5	403	13.6			
			10	5138	3064	2018	1271	2701	2003	1305	42.5	475	20.9			
	2300	320	2	1550	924	609	384	815	576	373	23.0	98	2.8			
			4	3091	1843	1214	765	1527	1093	678	29.0	228	4.8			
			6	4360	2600	1713	1079	2198	1592	975	33.0	348	8.4			
			8	5356	3194	2104	1325	2770	2031	1263	40.0	470	14.4			
			10	6080	3626	2389	1505	3196	2371	1544	43.0	546	21.2			
	2800	320	2	1950	1163	766	483	1025	725	470	24.0	133	3.8			
			4	3890	2320	1528	963	1921	1375	853	29.5	272	6.4			
			6	5486	3272	2155	1358	2766	2004	1226	34.0	433	11.6			
			8	6740	4020	2648	1668	3486	2556	1590	41.0	587	20.3			
			10	7651	4563	3006	1893	4022	2983	1943	44.0	683	30.0			

* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

CLIMA CANAL 19 ▪ 2 PIPE ▪ OUTPUT TABLES

STANDARD DELIVERY

- Casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support.
- Anodized aluminium or wooden grille(s).
- Dynamic heat exchanger.
- 2 stainless steel flexible connections 1/2", length 150 mm.
- Thermal activator(s), (tangential mini activator).
- Height adjuster for fine adjustment of 0-45mm, provided with acoustic decoupling.
- Cover plate.



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C		SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts	dB(A)	m³/h	Watts		
190	1050	340	2	1245	743	489	308	378	267	164	17.0	97	1.5			
			4	1965	1172	772	486	729	522	321	21.0	167	2.7			
			6	2567	1531	1008	635	1069	775	474	27.0	236	4.8			
			8	3102	1850	1218	768	1405	1030	626	35.0	309	9.3			
			10	3593	2143	1411	889	1739	1290	777	40.0	351	15.0			
1200	340	2	1548	923	608	383	469	332	204	19.0	82	3.2				
		4	2442	1457	959	604	906	649	398	22.0	179	6.7				
		6	3189	1902	1253	789	1328	962	589	28.0	260	12.1				
		8	3854	2299	1514	954	1746	1280	778	36.0	351	18.4				
		10	4464	2662	1754	1105	2160	1602	965	41.0	401	24.0				
2000	340	2	3021	1802	1187	748	916	648	398	21.1	179	4.6				
		4	4768	2844	1873	1180	1770	1267	778	24.6	346	9.4				
		6	6227	3714	2446	1541	2594	1879	1151	30.5	496	16.9				
		8	7525	4488	2956	1862	3409	2499	1519	38.5	660	27.7				
		10	8716	5198	3424	2157	4218	3128	1885	43.5	752	38.9				
2800	340	2	4495	2681	1766	1112	1363	964	592	22.5	276	6.1				
		4	7094	4231	2787	1756	2633	1885	1157	26.1	513	12.1				
		6	9264	5525	3639	2293	3859	2796	1712	32.1	732	21.7				
		8	11196	6677	4398	2770	5072	3718	2260	40.1	969	37.0				
		10	12967	7734	5094	3209	6275	4655	2804	45.1	1103	53.8				

* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

WATER CONTENT IN LITRES/METRE

CLIMA CANAL - Height 08, 010, 013, 019 - 2 pipe									
L	H08	H10	H13	H19	L	H08	H10	H13	H19
mm	l	l	l	l	mm	l	l	l	l
700	-	-	0.6	-	1440	0.439	0.439	-	-
720	0.12	0.12	-	-	1700	-	-	1.86	-
1000	-	-	0.98	-	1800	0.598	0.598	-	-
1050	-	-	-	1.07	2000	-	-	2.24	2.26
1080	0.279	0.279	-	-	2300	-	-	2.61	-
1200	-	-	1.23	1.26	2800	-	-	3.24	3.27
1400	-	-	1.48	-					

Weight and water content without packaging or options

OUTPUT TABLES ▪ 4 PIPE ▪ CLIMA CANAL 19

STANDARD DELIVERY

- Casing in Sendzimir-galvanised steel sheet (RAL7024) with height adjustment and stainless steel grille support.
- Anodized aluminium or wooden grille(s).
- Dynamic heat exchanger.
- 2 stainless steel flexible connections 1/2", length 150 mm.
- Thermal activator(s), (tangential mini activator).
- Height adjuster for fine adjustment of 0-45mm, provided with acoustic decoupling.
- Cover plate.



DIMENSIONS			CONTROL VOLTAGE	HEATING ROOM TEMPERATURE 20°C				COOLING TOTAL ROOM TEMPERATURE 27°C		COOLING SENSIBLE ROOM TEMPERATURE 27°C		COOLING (Non-condensing) ROOM TEMPERATURE 27°C		SOUND PRESSURE*	AIR FLOW	ELECTRIC POWER CONSUMPTION
H mm	L mm	B mm		U V	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	7/12 Watts	7/12 Watts	16/18 Watts	dB(A)	m³/h			
190	1050	340	2	830	495	326	205	343	243	149	17.0	97	1.5			
			4	1310	781	515	324	663	475	291	21.0	167	2.7			
			6	1711	1021	672	423	972	704	431	27.0	236	4.8			
			8	2068	1233	812	512	1277	937	569	35.0	309	9.3			
			10	2395	1428	941	593	1581	1172	706	40.0	351	15.0			
1200	340	2	1032	615	405	255	427	302	185	19.0	82	3.2				
		4	1628	971	640	403	824	590	362	22.0	179	6.7				
		6	2126	1268	835	526	1208	875	536	28.0	260	12.1				
		8	2570	1532	1009	636	1587	1164	707	36.0	351	18.4				
		10	2976	1775	1169	736	1964	1457	878	41.0	401	24.0				
2000	340	2	2014	1201	791	498	833	589	362	21.1	179	4.6				
		4	3179	1896	1249	787	1609	1152	707	24.6	346	9.4				
		6	4151	2476	1631	1027	2358	1708	1046	30.5	496	16.9				
		8	5017	2992	1971	1241	3099	2272	1381	38.5	660	27.7				
		10	5810	3465	2283	1438	3834	2844	1714	43.5	752	38.9				
2800	340	2	2997	1787	1177	742	1239	877	538	22.5	276	6.1				
		4	4729	2821	1858	1170	2394	1713	1052	26.1	513	12.1				
		6	6176	3683	2426	1528	3508	2542	1556	32.1	732	21.7				
		8	7464	4451	2932	1847	4611	3380	2055	40.1	969	37.0				
		10	8645	5156	3396	2139	5705	4231	2549	45.1	1103	53.8				

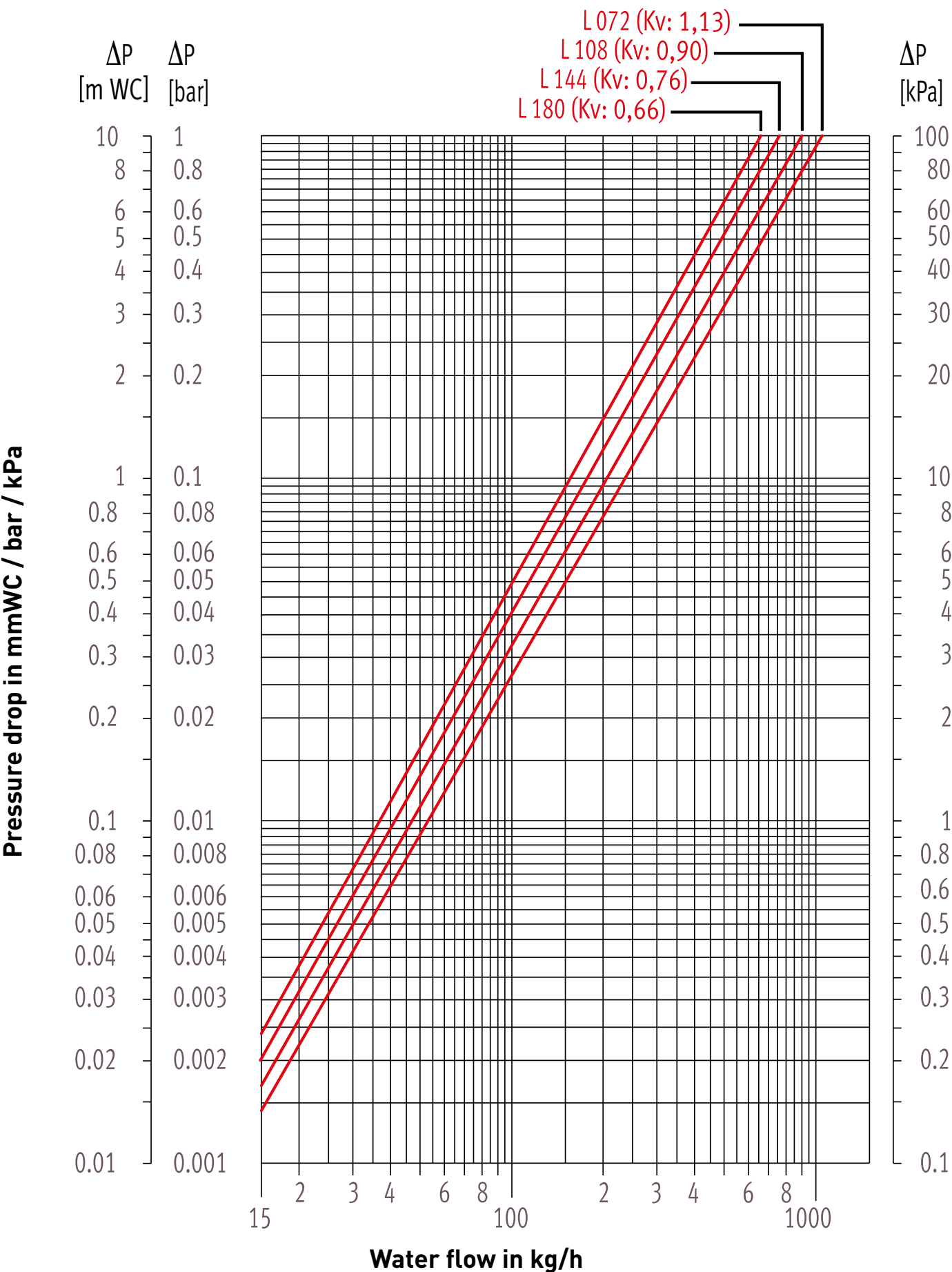
* Noise measurement according to ISO 3741:2010, 2 m from the device and with an assumed room attenuation of 8 dB(A) / room volume 100 m3 / reverberation time 0.5 sec.

WATER CONTENT IN LITRES/METRE

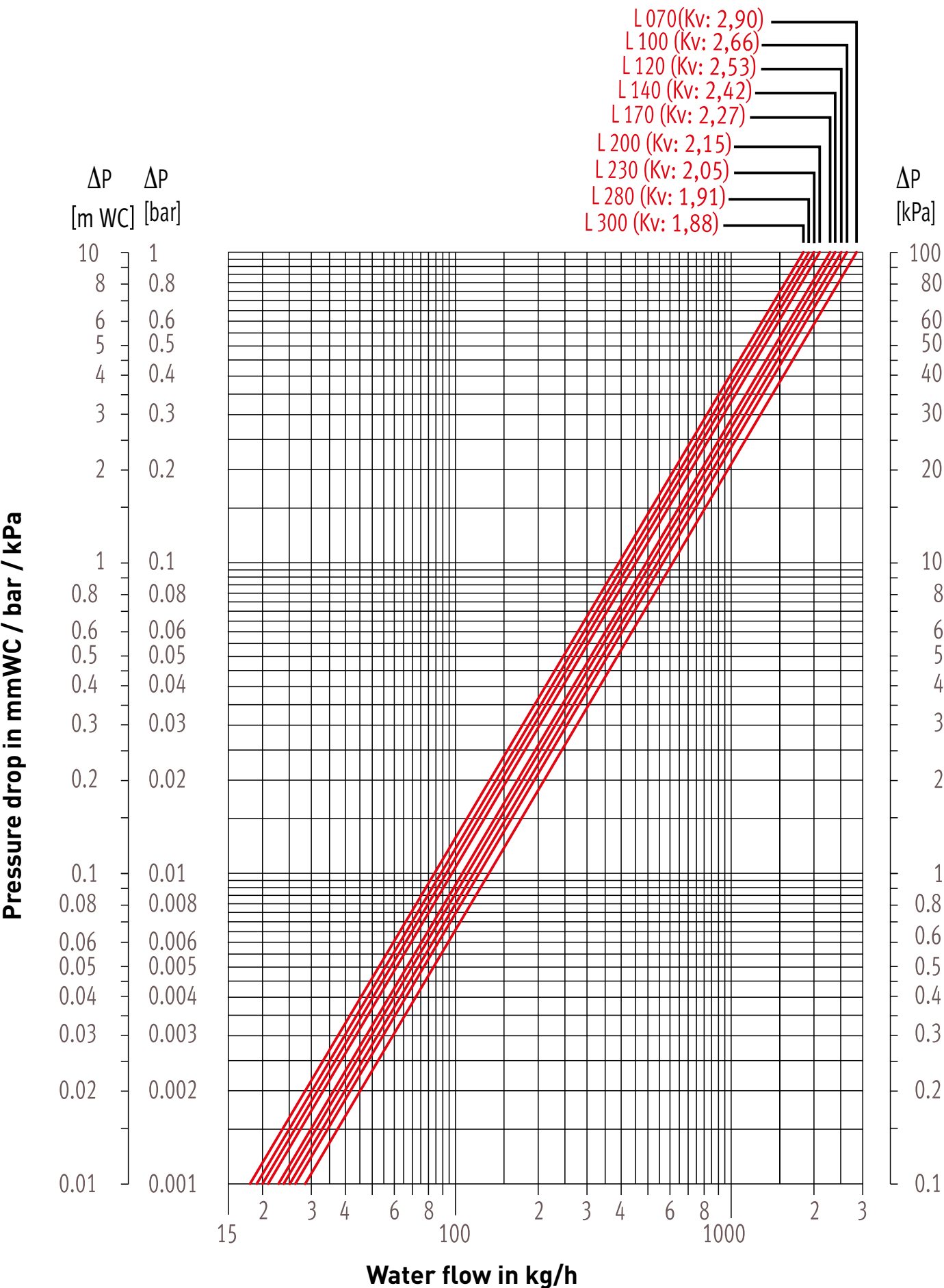
CLIMA CANAL - Height 08, 010, 013, 019 - 4 pipe									
L	H08	H10	H13	H19	L	H08	H10	H13	H19
mm	l	l	l	l	mm	l	l	l	l
700	-	-	0.6	-	1440	-	-	-	-
720	-	-	-	-	1700	-	-	1.86	-
1000	-	-	0.98	-	1800	-	-	-	-
1050	-	-	-	1.07	2000	-	-	2.24	2.26
1080	-	-	-	-	2300	-	-	2.61	-
1200	-	-	1.23	1.26	2800	-	-	3.24	3.27
1400	-	-	1.48	-					

Weight and water content without packaging or options

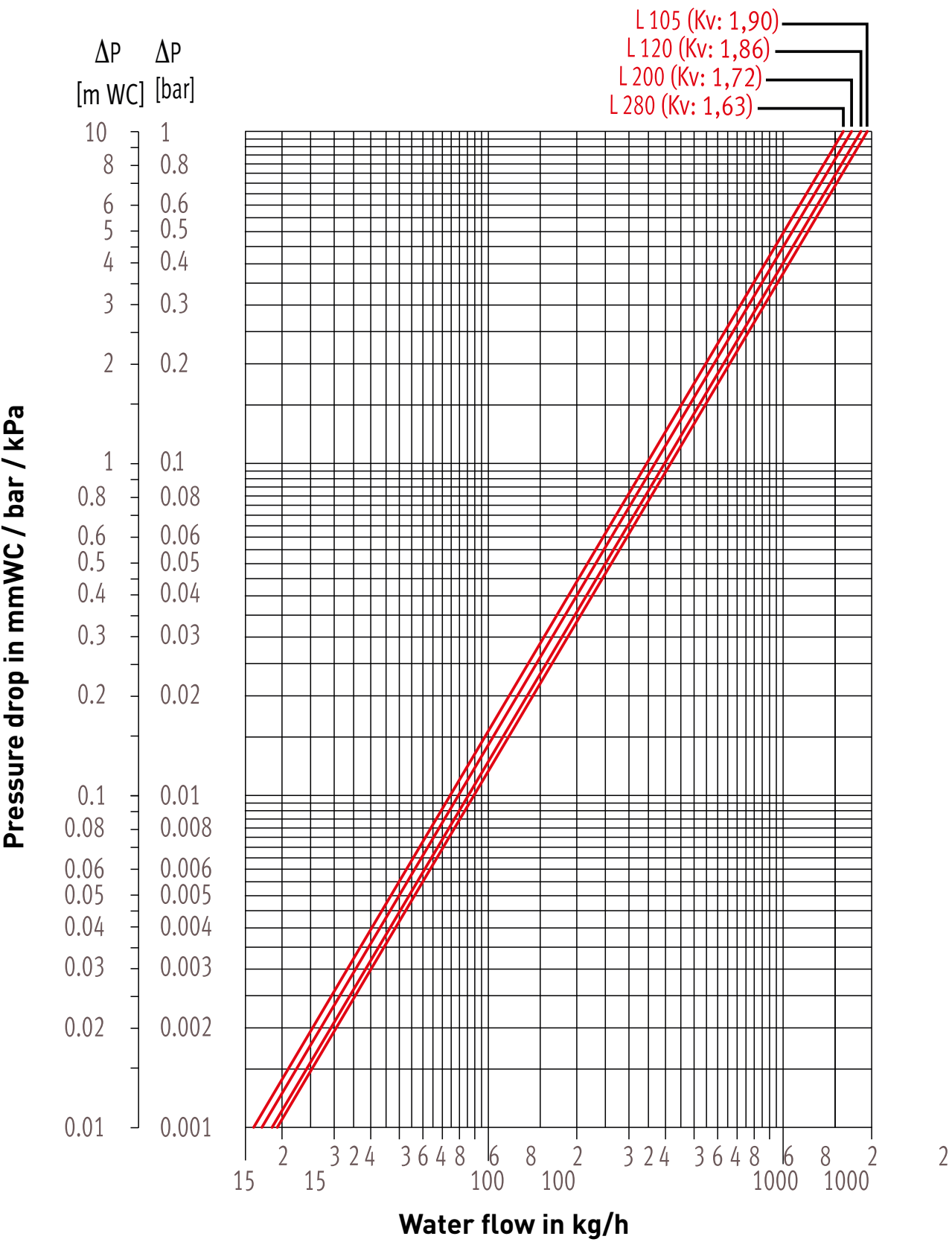
CLIMA CANAL 10 - 2 PIPE - PRESSURE DROP



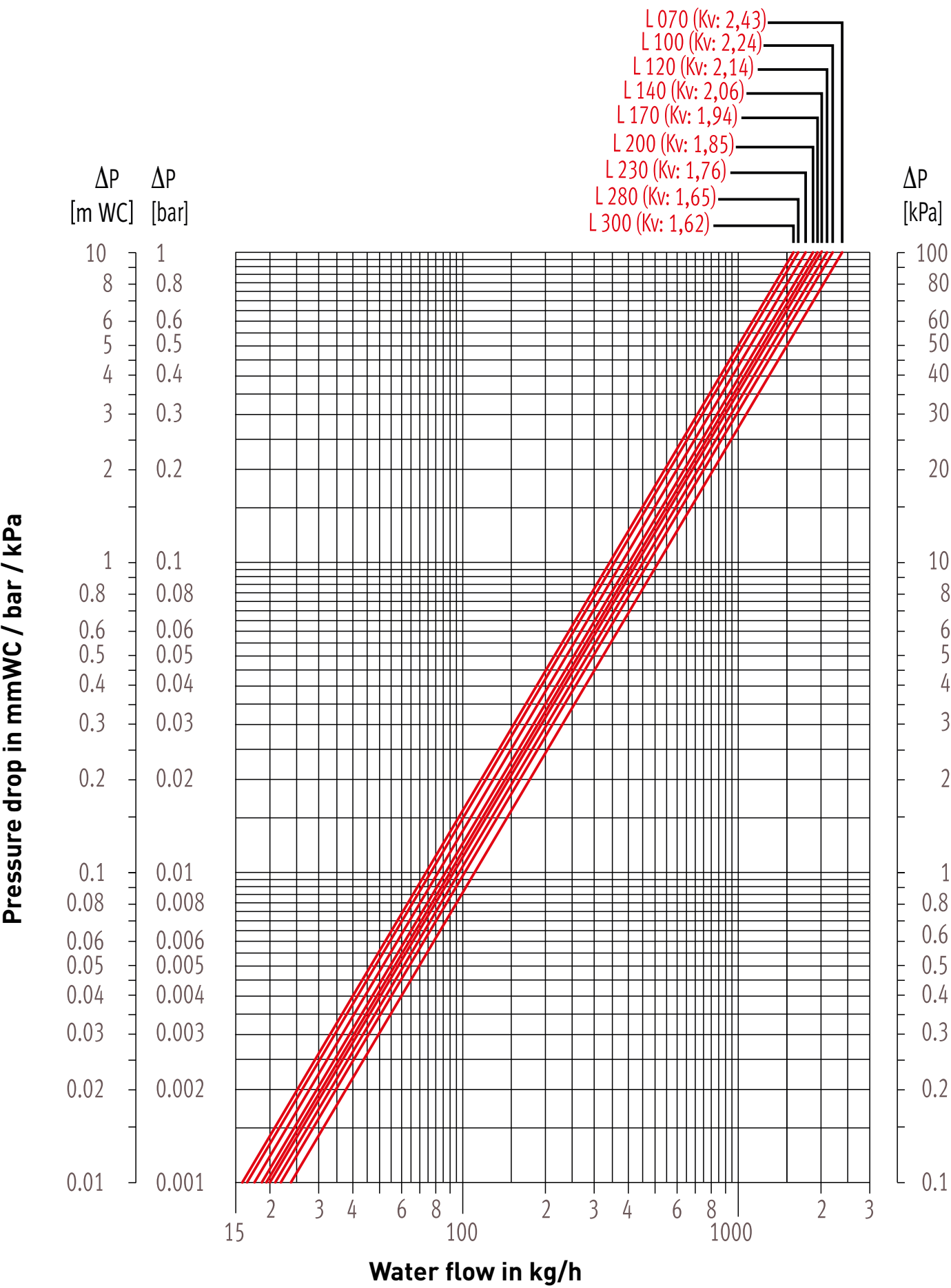
PRESSURE DROP - 2 PIPE - CLIMA CANAL 13

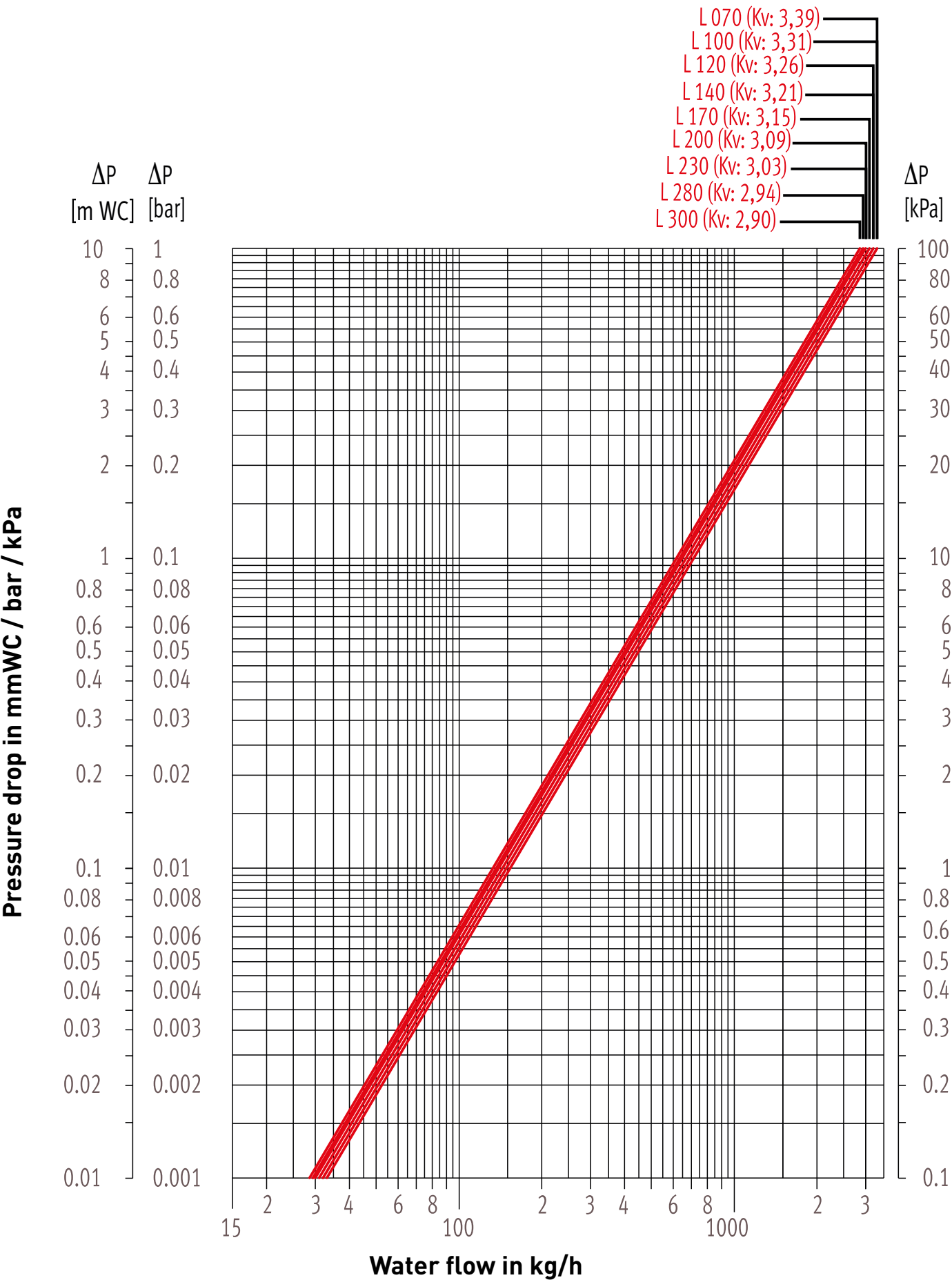
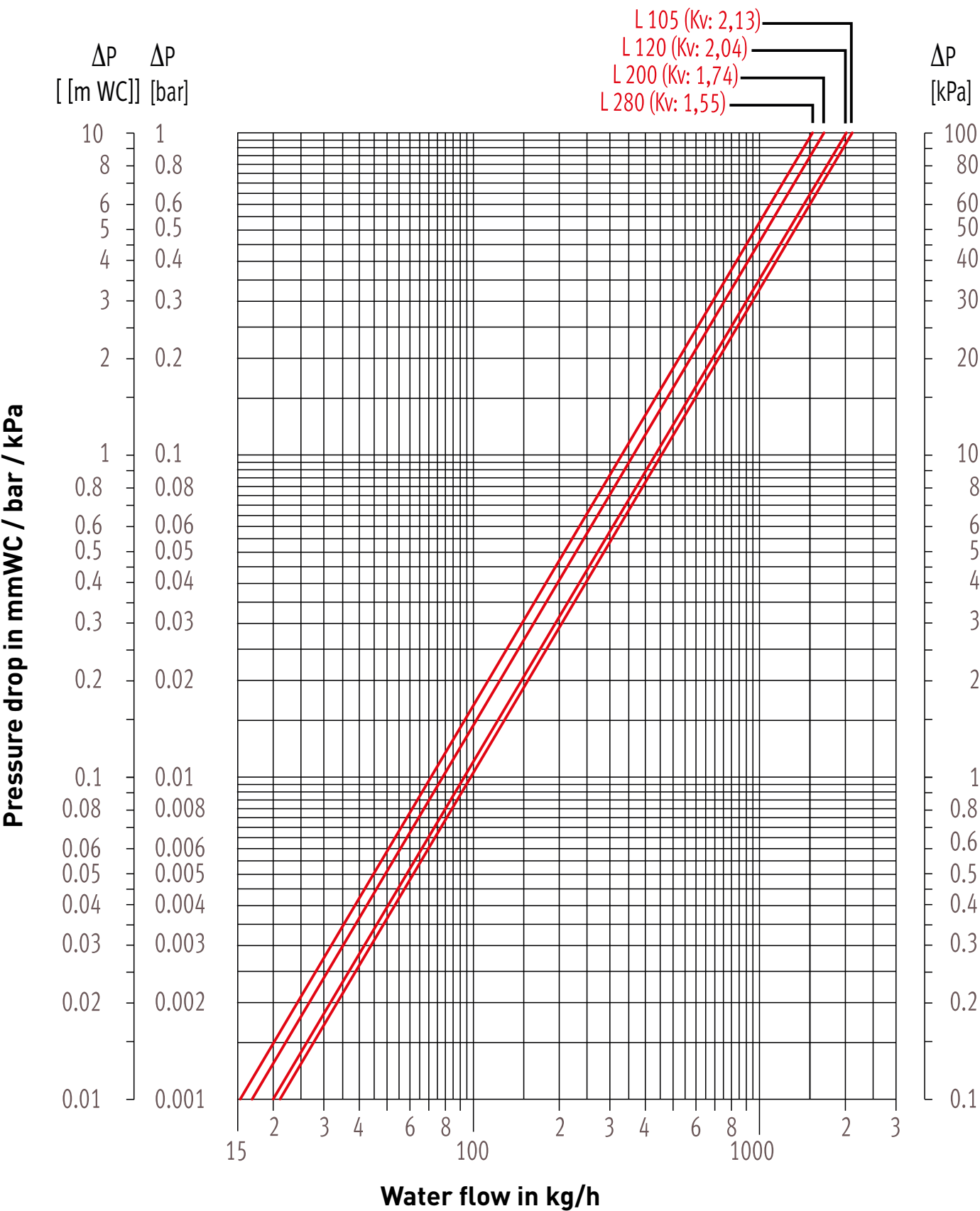


CLIMA CANAL 19 ▪ 2 PIPE ▪ PRESSURE DROP

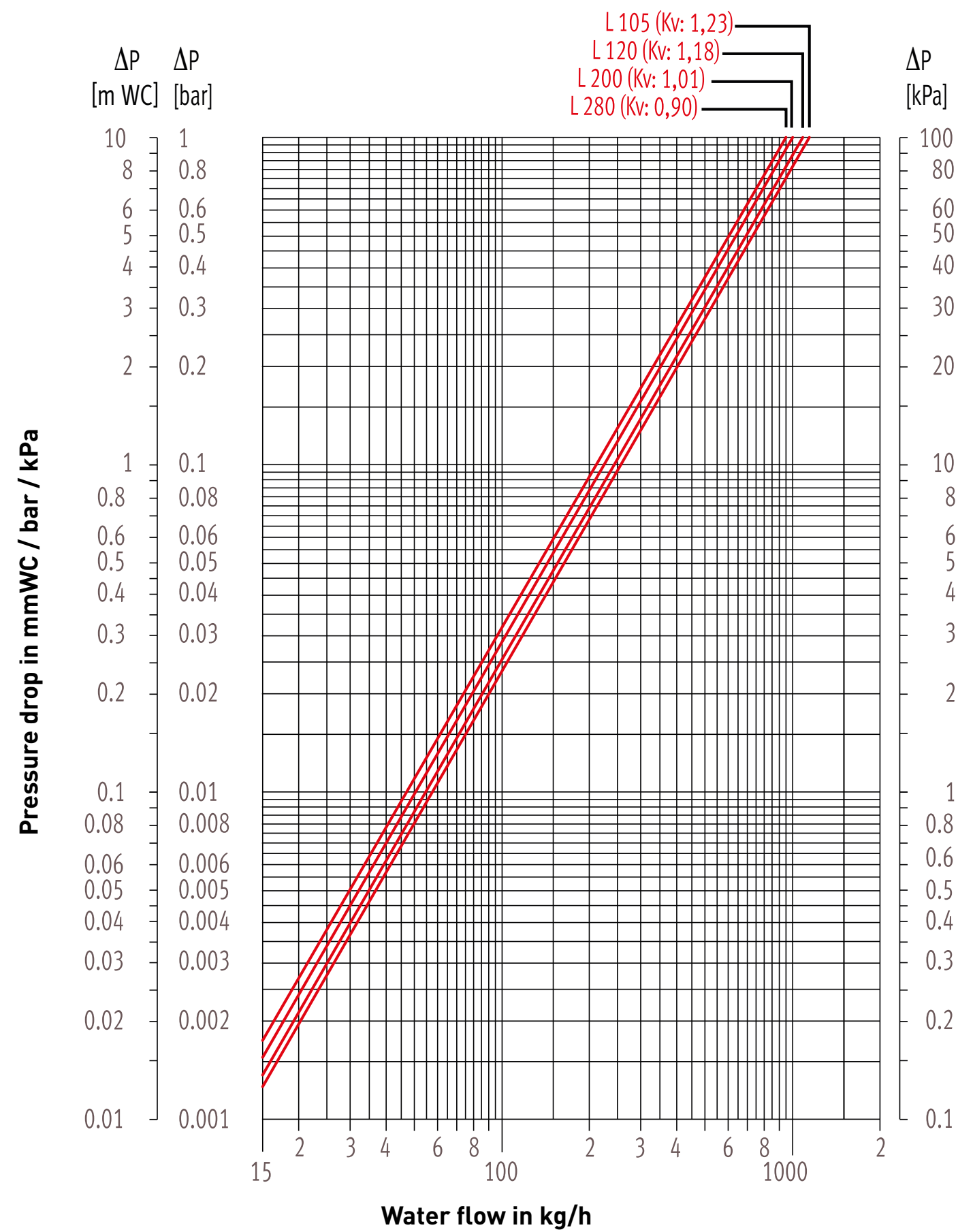


PRESSURE DROP ▪ 4 PIPE HEATING ▪ CLIMA CANAL 13





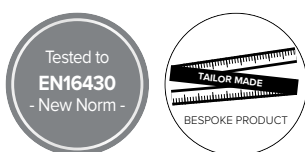
CLIMA CANAL 19 - 4 PIPE COOLING - PRESSURE DROP



CLIMA SLIM

Complete climate control
in a slim, designer casing

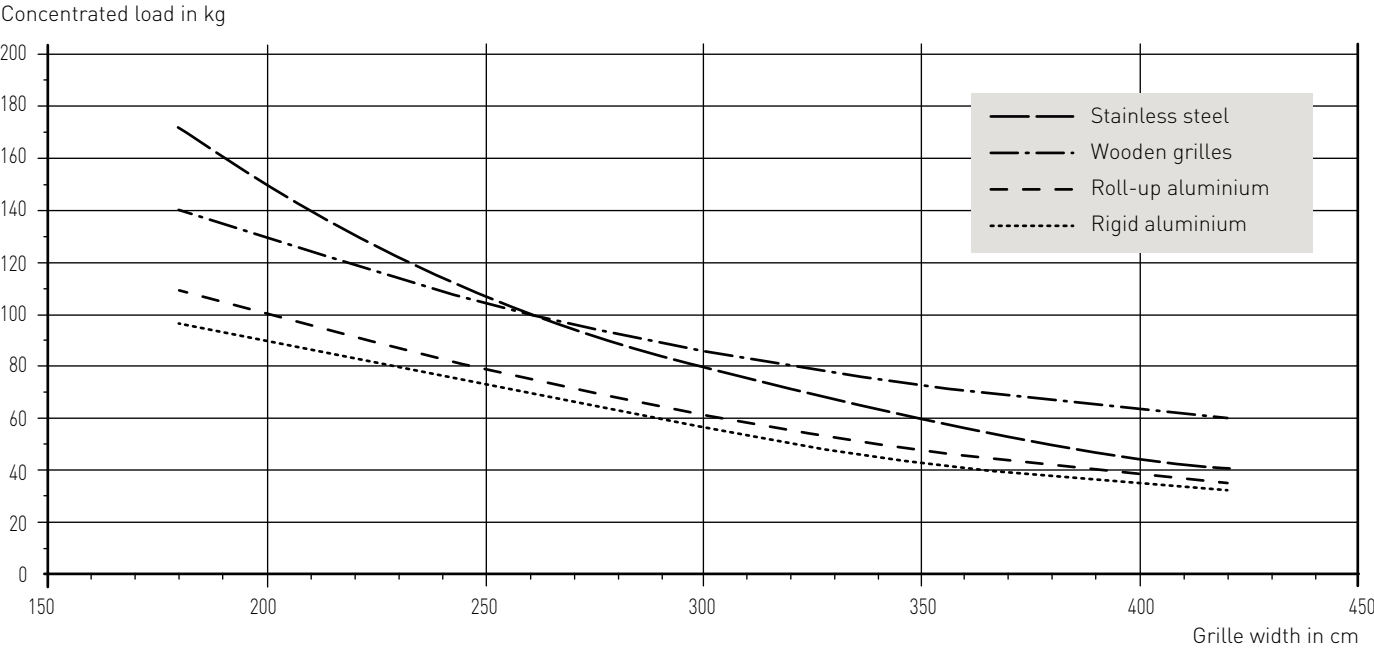
- Jaga Clima Canal not only fits in the floor but can be installed in various ways including from wall to wall.
- It is highly customisable so we can find the perfect fit for any project.
- It can be fitted inside a slim, sleek and sturdy laquered casing made from sendzimir galvanized steel plate.
- Several grille styles and colours are available in anodized aluminium or a range of wood finishes.
- Numerous installation options ensure architectural freedom.
- Matching custom grilles are available in various colours and sizes.



CLIMA SLIM

MAXIMUM GRILLE LOADINGS

- Roll-up wood and aluminium grille: concentrated load in kg in the centre of the grille up to 2 mm deflection.
- Rigid grilles: concentrated load in the centre of the transverse section up to 2 mm deflection.



CORRECTION FACTORS ■ MINI CANAL

AVERAGE CORRECTION FACTORS FOR STATIC PRODUCTS ACCORDING TO EN442

Room temperature: 20°C										Room temperature: 24°C											
Average n-value: 1.36										Average n-value: 1.36											
	Tr	65	60	55	50	45	40	35	30	25		Tr	65	60	55	50	45	40	35	30	25
Ta											Ta										
75		1.00	0.93	0.85	0.77	0.69	0.61	0.52	0.42	0.31	75		0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70		0.94	0.87	0.79	0.72	0.64	0.56	0.48	0.39	0.28	70		0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65			0.80	0.74	0.67	0.60	0.52	0.44	0.35	0.25	65			0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60				0.68	0.61	0.55	0.48	0.40	0.32	0.23	60				0.58	0.52	0.45	0.38	0.31	0.23	0.11
55					0.56	0.50	0.43	0.36	0.29	0.20	55					0.47	0.41	0.34	0.28	0.20	0.09
50						0.44	0.38	0.32	0.25	0.18	50						0.36	0.30	0.24	0.17	0.08
45							0.34	0.28	0.22	0.15	45							0.26	0.20	0.14	0.06
40								0.24	0.19	0.13	40								0.17	0.12	0.05
35									0.15	0.10	35									0.09	0.03
30										0.07	30										0.02

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. wΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

AVERAGE CORRECTION FACTORS FOR DYNAMIC PRODUCTS - 75/65/20°C

Room temperature: 20°C										Average n-value: 1.36									
	Tr	65	60	55	50	45	40	35	30	25									
Ta																			
75	1.00	0.95	0.89	0.83	0.76	0.69	0.62	0.53	0.42										
70	0.95	0.90	0.84	0.79	0.72	0.66	0.58	0.50	0.39										
65		0.85	0.80	0.74	0.68	0.62	0.55	0.47	0.37										
60			0.75	0.70	0.64	0.58	0.51	0.43	0.34										
55				0.65	0.60	0.54	0.47	0.40	0.31										
50					0.55	0.49	0.43	0.37	0.28										
45						0.45	0.39	0.33	0.25										
40							0.35	0.29	0.22										
35								0.25	0.18										
30									0.14										

Room temperature: 24°C										Average n-value: 1.36									
	Tr	65	60	55	50	45	40	35	30	25									
Ta																			
75		0.92	0.86	0.81	0.74	0.68	0.61	0.52	0.42	0.26									
70		0.87	0.82	0.76	0.70	0.64	0.57	0.49	0.39	0.24									
65			0.77	0.72	0.66	0.60	0.53	0.46	0.37	0.22									
60				0.67	0.62	0.56	0.49	0.42	0.34	0.20									
55					0.57	0.52	0.46	0.39	0.31	0.18									
50						0.47	0.41	0.35	0.27	0.15									
45							0.37	0.31	0.24	0.13									
40								0.27	0.20	0.11									
35									0.17	0.08									
30										0.06									

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. wΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk

AVERAGE CORRECTION FACTORS FOR HYBRID PRODUCTS - 75/65/20°C

Room temperature: 20°C										Average n-value: 1.10									
	Tr	65	60	55	50	45	40	35	30	25									
Ta																			
75		1.00	0.94	0.88	0.81	0.74	0.67	0.59	0.50	0.38									
70		0.95	0.89	0.83	0.77	0.70	0.63	0.55	0.47	0.36									
65			0.84	0.78	0.72	0.66	0.59	0.52	0.43	0.33									
60				0.73	0.67	0.61	0.55	0.48	0.40	0.30									
55					0.62	0.57	0.51	0.44	0.37	0.28									
50						0.52	0.46	0.40	0.33	0.25									
45							0.42	0.36	0.29	0.22									
40								0.31	0.26	0.19									
35									0.22	0.15									
30										0.12									

Room temperature: 24°C										Average n-value: 1.10									
	Tr	65	60	55	50	45	40	35	30	25									
Ta																			
75		0.91	0.85	0.79	0.72	0.65	0.58	0.49	0.39	0.22									
70		0.86	0.80	0.74	0.68	0.61	0.54	0.46	0.36	0.20									
65			0.75	0.69	0.63	0.57	0.50	0.42	0.33	0.19									
60				0.64	0.59	0.53	0.46	0.39	0.30	0.17									
55					0.54	0.48	0.42	0.35	0.27	0.15									
50						0.44	0.38	0.32	0.24	0.13									
45							0.33	0.28	0.21	0.11									
40								0.23	0.17	0.09									
35									0.14	0.07									
30										0.04									

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. wΔT 50 output measured in accordance with EN 442 and ΔT 30 output calculated according to EN 442. An average correction factor is given in this table for all other ΔT outputs, applicable for all dimensions. For specific corrected outputs refer to www.jaga.co.uk



GUARANTEE

GUARANTEE DURATION				
Item	Low-H ₂ O heat exchanger	Dynamic heat exchanger	Electric components	Other components
Mini Canal	30 years	-	-	10 years
Mini Canal Hybrid	30 years	-	2 years	10 years
Valves for Low-H ₂ O heat exchangers	-	-	-	3 years
Clima Canal / Micro Canal	-	5 years	2 years	10 years

Full Guarantee and Conditions of Sale available on request.

PROJECTS



Penderyn Distillery - Mini Canal



Price Waterhouse Coopers - Mini Canal (BREEAM Outstanding)



Bridport United Church - Mini Canal Hybrid



Aardman Animations - Mini Canal



Sky Believe in Better Building - Mini Canal (BREEAM Excellent)



V&A Museum London - Clima Canal and Oxygen



Museum of Somerset - Mini Canal



Victoria Square - Clima Canal



Network Rail - Mini Canal, Mini Canal Hybrid



Strathclyde Fire & Rescue - Mini Canal Hybrid



Lancaster University - Clima Canal



Ampersand Building - Mini Canal (BREEAM Very Good)



Birmingham Town Hall - Clima Canal



University College London - Mini Canal



jaga

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Jaga reserves the right to change product specification at any time in line with our policy of continuous improvement and innovation.

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