jaga

CLIMATE DESIGNERS

Heating

Light cooling

Deep cooling

Ventilation

TRENCH CLIMATE CONVECTORS

PERIMETER HEATING, COOLING AND VENTILATION

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.

THE GO-TO COMPANY FOR DYNAMIC HEATING AND COOLING CONVECTORS THAT OPTIMISE RENEWABLE ENERGY

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CLIMATE DESIGNERS

INTRODUCTION

Beautiful
Discreet
Sustainable

Jaga's range of trench climate convectors provide efficient heating, plus optional cooling and ventilation too, in one single unit. Designed to be installed in floor screeds or voids, the only visible component is the grille, the mechanical components sit within the trench duct beneath the grille, making them invisible to occupants. Grilles can be selected from a wide range of materials and finishes to enhance space décor perfectly.

Jaga products incorporate low water content heat exchangers that work in harmony with heat pumps and other renewable technologies. Lower water flow temperatures for heating enables greater system efficiency and much reduced energy consumption.

Hybrid cooling can be facilitated to reduce room temperature, or full air conditioned cooling to reduce both temperature and humidity.

UK
CA

CLIMA CANAL

DESIGNO

ALUMINIUM

WOODEN

STAINLESS STEEL

TYPES OF CONVECTORS

Whatever the design challenges, be it limited floor depth or restricted width, we're confident in providing a solution. From simple natural convection units for heating only, to dynamic fan-powered options with powerful heating and cooling, we've got you covered.

With warmer summers, the need to lower room temperature is desirable for all of us. Deep cooling is traditional air conditioning where the room temperature and humidity are reduced.

Light cooling reduces the temperature only and is non-condensing. Consequently, it uses far less energy than deep cooling so is much better for our planet.

Fresh air is good for our well-being and is becoming increasingly important in the design of our buildings. Nearly all our trench convectors can be produced with connections to introduce fresh air ventilation to the occupied space.

MICRO CANAL

MINI CANAL

THE RANGE

MICRO CANAL:
Forced draught fan providing heating

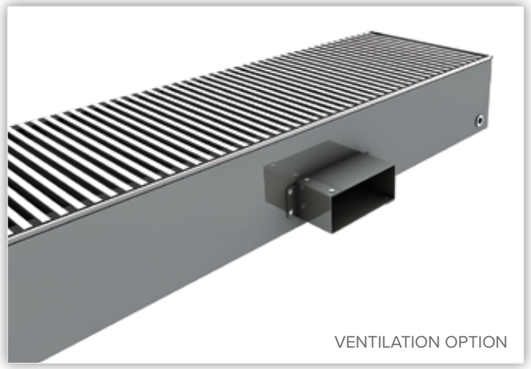
MINI CANAL:
Natural convection providing heating with ventilation option

MINI CANAL HYBRID:
Fan-assisted providing heating and light cooling with ventilation option

CLIMA CANAL TYPE 08:
Forced draught fan providing heating and light cooling with ventilation option

CLIMA CANAL TYPE 10, 13 AND 19:
Forced draught fan providing heating, light and deep cooling with ventilation option

CLIMA CANAL



VENTILATION OPTION

APPLICATION

A typical application is the provision of perimeter heating for buildings with glazed façades to avoid cold draughts and condensation forming on the glass.

Conversely, trench can satisfy the full space heating, cooling and ventilation requirements. Trench convectors are suitable for all types of buildings and spaces. From bedrooms and living areas in your home to commercial offices and places of worship, the list is endless.

REGISTER FOR OUR CPD COURSE TO LEARN MORE ABOUT SELECTING TRENCH CLIMATE CONVECTORS

- HIGHLY GLAZED BUILDINGS
- COMMERCIAL OFFICES
- BUILDINGS WITH LIMITED WALL SPACE
- RESIDENTIAL APARTMENT BLOCKS
- PUBLIC BUILDINGS
- EDUCATIONAL ENVIRONMENTS
- HEALTHCARE SETTINGS
- PLACES OF WORSHIP

ADDING VALUE

We can supply products suitable for installation as simple standalone units. Alternatively, special units can be produced at specific lengths, widths and depths.

We also offer fully tailored solutions to provide added functionality and value to the project.

Solutions are available for linking standalone units together to form a continuous grille that can exactly match the profile of the building façade.

To further enhance the building aesthetics, mitred corner sections and curved profiles can be produced.

The trench duct can also be used to lay pipework, electrical cabling, or other services. We can enlarge the ducts to suit project specific requirements.

Where living or lettable space is an issue, you may wish to keep the width of the grille to an absolute minimum, but still deliver high performance. Jaga can tailor products that are configured to partially sit under the finished floor to maximise floor space.

7-MORE, LONDON

MITRED ANGLE

SKY BELIEVE IN BETTER

MUSEUM OF SOMERSET

ASSOCIATED ARCHITECTS

CENTRAL SQUARE

You may think of trench as a product that delivers thermal comfort only, but at Jaga we like to be different.

We can facilitate lighting within the grille to add drama and appeal to the space it is serving.

Selecting the right control system is important for system efficiency, but also for the consumer. Control design should focus on both and can be based on simple thermostatic radiator valves, plug and play options, or a full building management system.

REMOTE DIGITAL CONTROL

DELIVERING FOR ALL STAKEHOLDERS

We pride ourselves on great customer service throughout the supply chain and aim to offer value to all, starting from the initial design concept to completion. This is what we do on a daily basis:

- **ARCHITECTS:**
  Collaborate with you to ensure our products enhance your vision and help create beautiful spaces.
- **ENGINEERS:**
  Provide technical expertise in supporting your performance requirements in every aspect of the mechanical and electrical design process.
- **CONTRACTORS:**
  We site measure, prepare drawings for approval, and provide first-class operational and logistical support in delivering the products you want when you want them. All our trench products are supplied fully assembled and ready for installation.
- **BUILDING OWNERS / OCCUPIERS:**
  Confidence that you have invested in sustainable products, designed to be energy efficient, and with unrivalled guarantees and post-sales support.

GUARANTEE

ITEM	DURATION			
	LOW-H_2O HEAT EXCHANGER	DYNAMIC HEAT EXCHANGER	ELECTRIC COMPONENTS	OTHER COMPONENTS
CLIMA CANAL / MICRO CANAL	-	5 years	2 years	10 years
MINI CANAL / MINI CANAL PRO	30 years	-	-	10 years
MINI CANAL HYBRID	30 years	-	2 years	10 years
VALVES	-	-	-	3 years

INSTALLATION

Installation is relatively simple, but in cases where products are tailored and manufactured to specific dimensions, we understand that contractors may find it a little daunting.

Our highly skilled technical team will guide you through the whole process, starting with a site visit with an introduction to the product and providing good practice.

Jaga does offer, however, a full installation service for trench climate convectors. This commences with a full and detailed site survey, we then provide comprehensive drawings for approval prior to manufacture.

The installation is normally completed in two stages. First is the mounting and securing of the trench ducts to the floor slab. Second is the fitting of the grilles and levelling to the finished floor.

SafeContractor APPROVED www.alcumusgroup.com

PENDERYN DISTILLERY

AARDMAN ANIMATIONS

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CLIMATE DESIGNERS

MICRO CANAL

Maximum warmth, minimum dimensions

Jaga's most compact trench heating solution is only 65mm high and 135mm wide. Despite its small size, the Low-H2O heat exchanger paired with super quiet fans create 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 Canal consumes up to 50% less electricity than traditional motors.

- Dynamic 2-pipe heat exchanger
- Low noise EC motor
- Depth only 65mm
- Width 140mm
- Lengths from 600mm to 2000mm

UK CA

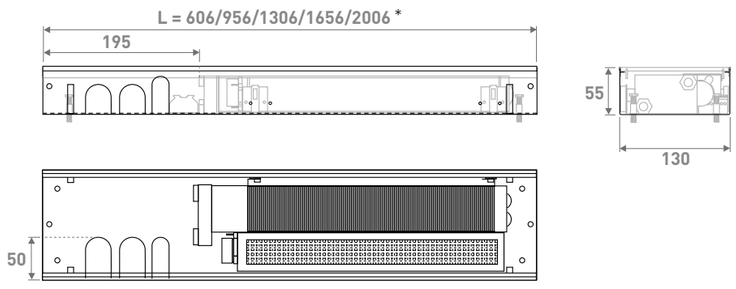
MICRO CANAL

COMPOSITION & DIMENSIONS - MICRO CANAL

COMPOSITION

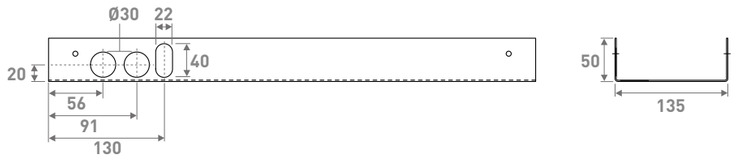
DIMENSIONS in mm

Inner casing



* Total length including end caps. Subtract 3mm for each end cap NOT fitted.
End cap(s) to be omitted when continuous appearance is required.

Outer casing



HEAT EXCHANGER

- 2-pipe system for heating with one hydraulic circuit
- Standard connection left-hand side
- Manufactured from round, seamless circular pipes in pure copper, connected to pure aluminium fins
- Stainless steel flexible hoses supplied, ½" connection, 150mm long
- Test pressure: 25 bar
- Maximum working pressure: 10 bar

FAN WITH EC MOTOR

- Standard connection left-hand side
- One or more virtually noiseless tangential ventilators
- 24 VDC via external power supply
- 0-10V speed control
- Sendzimir galvanized steel plate cover and integrated stainless steel air filter
- Colour black

CONSTRUCTION

- 1mm thick inner duct coated with a charcoal grey, scratch-proof epoxy-polyester lacquer, RAL 7024, 10% gloss
- 1.5mm thick outer duct of Sendzimir galvanized steel plate coated with charcoal grey scratch-proof epoxy lacquer, RAL 7024, 10% gloss
- 62-80mm height adjustment
- Delivered fully assembled and ready for installation

PERFORMANCE - MICRO CANAL

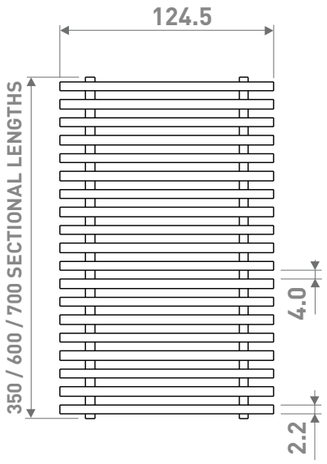
DIMENSIONS			CONTROL VOLTAGE	HEATING				SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30						
mm	mm	mm	V	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l	
			2	60	36	23	15	13.8	11	0.5			
			4	157	94	62	39	14.9	19	0.8			
65	600	135	6	316	188	124	78	18.8	29	1.2	6.7	0.09	MIFR.006 060 14./XXX
			8	421	251	165	104	31.6	40	1.8			
			10	495	295	194	122	39.2	65	2.7			
			2	129	77	51	32	14.3	18	0.5			
			4	340	203	134	84	17.4	30	0.9			
65	950	135	6	684	408	269	169	25.5	50	1.5	10.0	0.18	MIFR.006 095 14./XXX
			8	912	544	358	226	36.1	74	2.5			
			10	1072	639	421	265	42.5	98	3.8			
			2	199	119	78	49	13.9	26	0.5			
			4	523	312	205	129	15.2	41	1.0			
65	1300	135	6	1053	628	414	261	26.4	67	1.6	13.5	0.27	MIFR.006 130 14./XXX
			8	1403	837	551	347	37.2	99	2.7			
			10	1649	983	648	408	41.8	130	4.1			
			2	269	160	106	66	17.3	36	1.0			
			4	706	421	277	175	20.4	60	1.7			
65	1650	135	6	1422	848	558	352	28.5	100	3.1	17.0	0.36	MIFR.006 165 14./XXX
			8	1894	1130	744	469	39.1	148	4.9			
			10	2226	1328	875	551	45.5	196	7.7			
			2	338	202	133	84	17.1	44	1.1			
			4	889	530	349	220	19.4	71	1.8			
65	2000	135	6	1790	1068	703	443	29.0	117	3.2	20.4	0.46	MIFR.006 200 14./XXX
			8	2385	1422	937	590	39.7	173	5.1			
			10	2803	1672	1101	694	45.2	228	8.0			

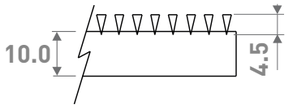
Output measured in accordance with EN 16430. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A)
Replace XXX in part number subject to grille selection

GRILLES - MICRO CANAL

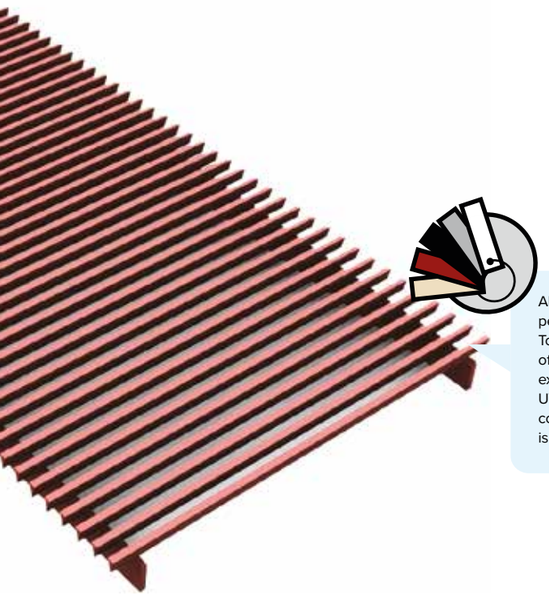
RIGID

STAINLESS STEEL GRILLES





SSS
Stainless steel



All colour options available as per colour chart on pages 76-77. To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.

SSC/XXX
Stainless steel lacquered

OPTIONS - MICRO CANAL

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. See colour chart for colour options.
- 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

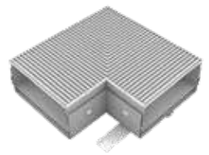
Empty housing with lacquered stainless steel grille

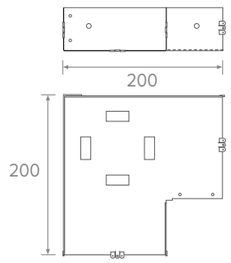
CODE	L
7522.00603514/SSC/ ...	350
7522.00606014/SSC/ ...	600
7522.00609514/SSC/ ...	950
7522.00613014/SSC/ ...	1300
7522.00616514/SSC/ ...	1650
7522.00620014/SSC/ ...	2000

enter colour code

CORNER PIECE 90°

- Stainless steel grille in natural finish (SSS), or lacquered in Jaga colours (SSC). See colour chart for colour options.
- 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.
- Aluminium cover plate available in Jaga colours, in place of grille.
- Non standard angles available. Only available with cover plate. Please contact Jaga UK for further information.



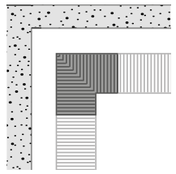


Inner corner

CODE	
7522.00602014/SSS/01	natural
7522.00602014/SSC /.../01	lacquered

enter colour code

Outer corner

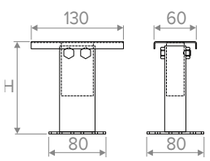


CODE	
7522.00602014/SSS/02	natural
7522.00602014/SSC /.../02	lacquered

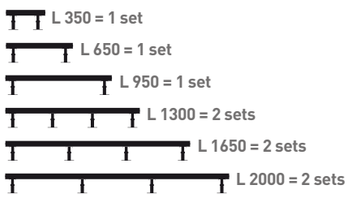
enter colour code

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.

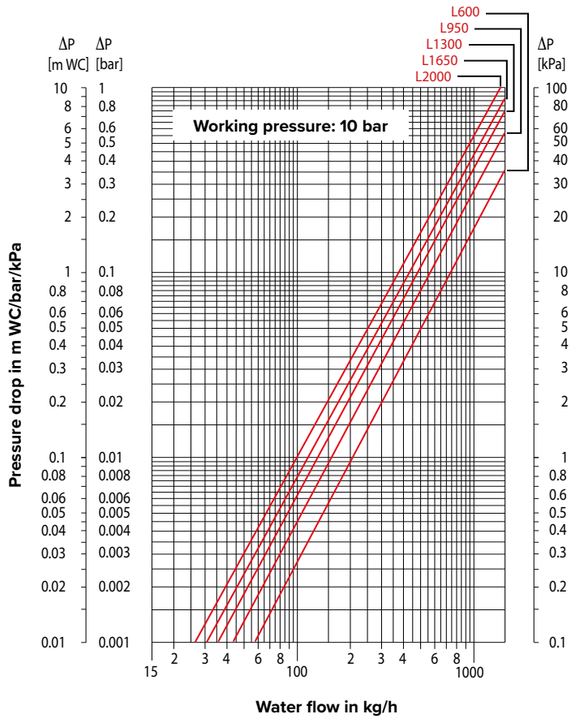


Number of sets per Micro Canal



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

PRESSURE DROP - MICRO CANAL



CORRECTION FACTORS - MICRO CANAL

AVERAGE CORRECTION FACTORS TO BE APPLIED TO 75/65/20°C OUTPUTS

Room temperature: 20°C — **Average n-value: 1.01**

	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: 1.01**

	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. ΔT 50 output measured in accordance with EN 16430 and ΔT 30 output calculated according to EN 16430.
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

jaga
CLIMATE DESIGNERS

MINI CANAL

Natural convection heating, optional ventilation

Mini Canal is our wide-ranging trench offering, available in extensive sizes to suit applications where natural convection heating is required.

The low water content heat exchanger enables maximum efficiency, even at low water flow temperatures associated with renewable energy technology.

An impressive range of grilles offer both practical and aesthetic purpose, enhancing all spaces.

Mini Canal can be tailored to suit specific requirements, with accessories and control packages to meet the most challenging application.

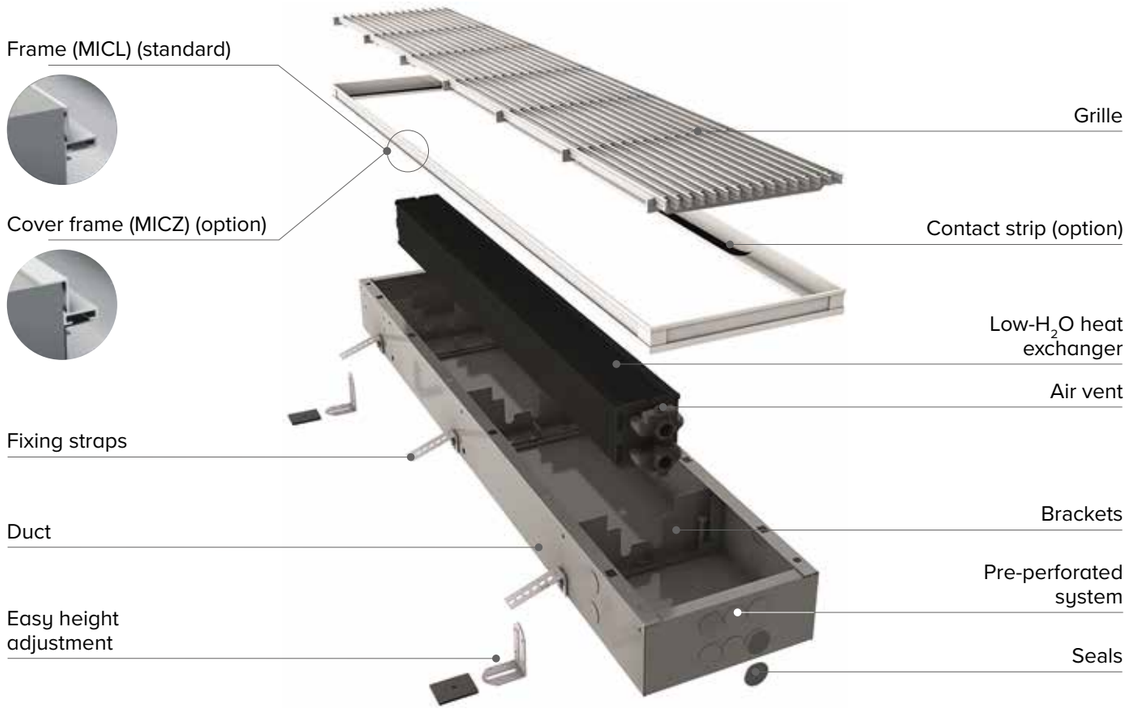
All products are delivered fully assembled and ready for installation.

- Low water content 2-pipe heat exchanger
- Depths from 93mm to 193mm
- Widths from 140mm to 420mm
- Lengths from 700mm to 4900mm

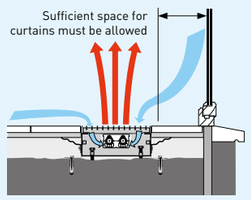
UK CA

MINI CANAL

COMPOSITION - MINI CANAL



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.

HEAT EXCHANGER

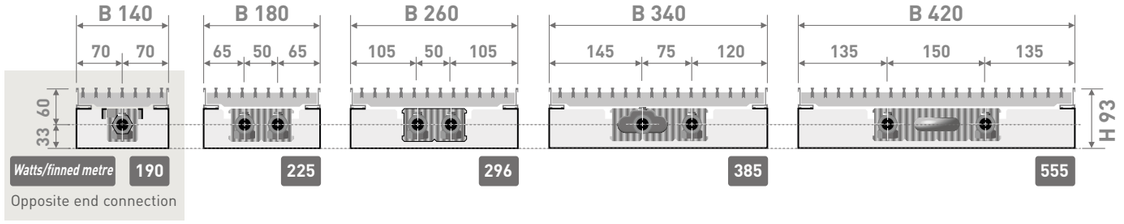
- 2-pipe system for heating with one hydraulic circuit
- Standard connection left-hand side
- Manufactured from round, seamless circular pipes in pure copper, connected to pure aluminium fins
- Test pressure: 20 bar
- Maximum working pressure: 10 bar

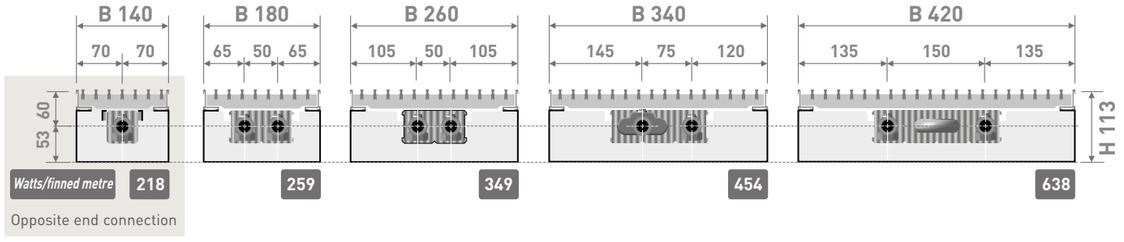
CONSTRUCTION

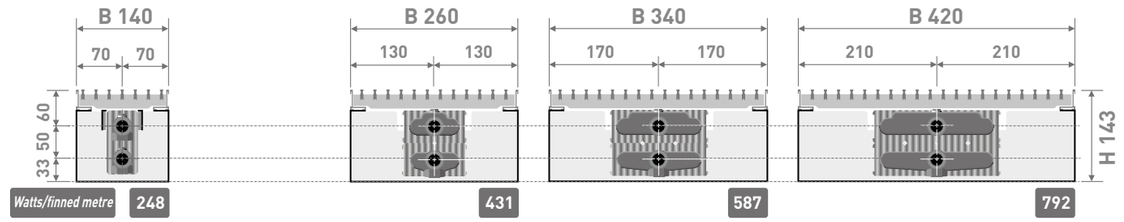
- Trench housing produced in 1mm-thick Sendzimir galvanized steel plate
- Coated with a charcoal grey, scratch-proof epoxy-polyester lacquer, RAL 7024, 10% gloss
- 0-45 mm height adjustment
- Predrilled apertures for hydraulic and electrical connection
- Delivered fully assembled and ready for installation

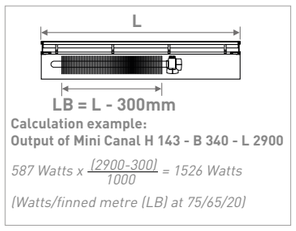
DIMENSIONS - MINI CANAL

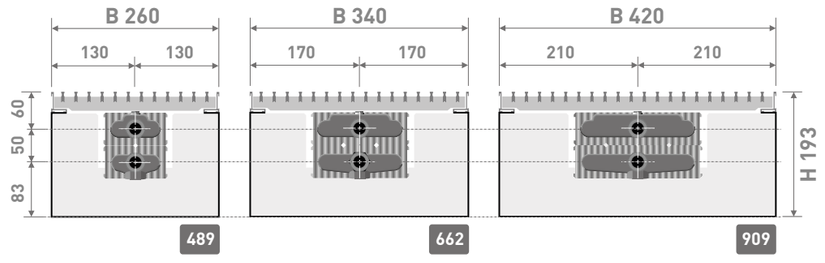
in mm











PERFORMANCE - MINI CANAL

HEIGHT 93

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
93	700	140	76	38	21	12	3.2	0.10	MICL.00907014.XXX
93	800	140	95	47	26	14	3.7	0.11	MICL.00908014.XXX
93	900	140	114	57	32	17	4.1	0.13	MICL.00909014.XXX
93	1000	140	133	66	37	20	4.6	0.14	MICL.00910014.XXX
93	1100	140	152	76	42	23	5.1	0.16	MICL.00911014.XXX
93	1200	140	172	86	48	26	5.5	0.18	MICL.00912014.XXX
93	1300	140	190	95	53	29	6.0	0.19	MICL.00913014.XXX
93	1500	140	229	114	64	35	6.9	0.22	MICL.00915014.XXX
93	1700	140	267	133	74	40	7.8	0.26	MICL.00917014.XXX
93	1900	140	304	152	85	46	8.7	0.29	MICL.00919014.XXX
93	2100	140	342	171	95	52	9.7	0.32	MICL.00921014.XXX
93	2300	140	381	190	106	58	10.6	0.35	MICL.00923014.XXX
93	2500	140	419	209	117	63	11.5	0.38	MICL.00925014.XXX
93	2700	140	457	228	127	69	12.4	0.42	MICL.00927014.XXX
93	2900	140	495	247	138	75	13.3	0.45	MICL.00929014.XXX
93	3100	140	533	266	149	81	14.3	0.48	MICL.00931014.XXX
93	3300	140	571	285	159	86	15.2	0.51	MICL.00933014.XXX
93	3500	140	609	304	170	92	16.1	0.54	MICL.00935014.XXX
93	3700	140	647	323	180	98	17.0	0.58	MICL.00937014.XXX
93	3900	140	685	342	191	104	17.9	0.61	MICL.00939014.XXX
93	4100	140	723	361	202	109	18.9	0.64	MICL.00941014.XXX
93	4300	140	761	380	212	115	19.8	0.67	MICL.00943014.XXX
93	4500	140	800	399	223	121	20.7	0.70	MICL.00945014.XXX
93	4700	140	838	418	234	127	21.6	0.74	MICL.00947014.XXX
93	4900	140	875	436	244	132	22.5	0.77	MICL.00949014.XXX
93	700	180	90	45	25	14	3.5	0.19	MICL.00907018.XXX
93	800	180	113	56	32	17	4.0	0.22	MICL.00908018.XXX
93	900	180	135	67	38	20	4.5	0.26	MICL.00909018.XXX
93	1000	180	158	79	44	24	5.0	0.29	MICL.00910018.XXX
93	1100	180	180	90	50	27	5.5	0.32	MICL.00911018.XXX
93	1200	180	203	101	57	31	6.0	0.35	MICL.00912018.XXX
93	1300	180	225	112	63	34	6.5	0.38	MICL.00913018.XXX
93	1500	180	271	135	76	41	7.5	0.45	MICL.00915018.XXX
93	1700	180	316	158	88	48	8.5	0.51	MICL.00917018.XXX
93	1900	180	360	180	100	54	9.5	0.58	MICL.00919018.XXX
93	2100	180	406	202	113	61	10.5	0.64	MICL.00921018.XXX
93	2300	180	451	225	126	68	11.5	0.70	MICL.00923018.XXX
93	2500	180	496	247	138	75	12.5	0.77	MICL.00925018.XXX
93	2700	180	541	270	151	82	13.5	0.83	MICL.00927018.XXX
93	2900	180	586	292	163	89	14.5	0.90	MICL.00929018.XXX
93	3100	180	631	315	176	96	15.5	0.96	MICL.00931018.XXX
93	3300	180	676	337	188	102	16.5	1.02	MICL.00933018.XXX
93	3500	180	722	360	201	109	17.5	1.09	MICL.00935018.XXX
93	3700	180	767	383	214	116	18.5	1.15	MICL.00937018.XXX
93	3900	180	811	404	226	123	19.5	1.22	MICL.00939018.XXX
93	4100	180	856	427	239	130	20.5	1.28	MICL.00941018.XXX
93	4300	180	902	450	252	137	21.5	1.34	MICL.00943018.XXX
93	4500	180	947	472	264	143	22.5	1.41	MICL.00945018.XXX
93	4700	180	992	495	277	150	23.5	1.47	MICL.00947018.XXX
93	4900	180	1037	517	289	157	24.5	1.54	MICL.00949018.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 93 - CONTINUED

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
93	700	260	119	59	33	18	4.1	0.19	MICL.00907026.XXX
93	800	260	148	74	41	22	4.6	0.22	MICL.00908026.XXX
93	900	260	178	89	50	27	5.2	0.26	MICL.00909026.XXX
93	1000	260	207	103	58	31	5.8	0.29	MICL.00910026.XXX
93	1100	260	237	118	66	36	6.4	0.32	MICL.00911026.XXX
93	1200	260	267	133	74	40	7.0	0.35	MICL.00912026.XXX
93	1300	260	296	148	83	45	7.5	0.38	MICL.00913026.XXX
93	1500	260	356	178	99	54	8.7	0.45	MICL.00915026.XXX
93	1700	260	415	207	116	63	9.9	0.51	MICL.00917026.XXX
93	1900	260	474	236	132	72	11.0	0.58	MICL.00919026.XXX
93	2100	260	534	266	149	81	12.2	0.64	MICL.00921026.XXX
93	2300	260	593	296	165	90	13.3	0.70	MICL.00923026.XXX
93	2500	260	652	325	182	99	14.5	0.77	MICL.00925026.XXX
93	2700	260	711	355	198	108	15.7	0.83	MICL.00927026.XXX
93	2900	260	771	385	215	117	16.8	0.90	MICL.00929026.XXX
93	3100	260	830	414	231	126	18.0	0.96	MICL.00931026.XXX
93	3300	260	889	443	248	135	19.1	1.02	MICL.00933026.XXX
93	3500	260	948	473	264	143	20.3	1.09	MICL.00935026.XXX
93	3700	260	1008	503	281	153	21.5	1.15	MICL.00937026.XXX
93	3900	260	1067	532	298	161	22.6	1.22	MICL.00939026.XXX
93	4100	260	1126	562	314	170	23.8	1.28	MICL.00941026.XXX
93	4300	260	1186	591	331	180	24.9	1.34	MICL.00943026.XXX
93	4500	260	1245	621	347	188	26.1	1.41	MICL.00945026.XXX
93	4700	260	1304	650	364	197	27.3	1.47	MICL.00947026.XXX
93	4900	260	1363	680	380	206	28.4	1.54	MICL.00949026.XXX
93	700	340	154	77	43	23	4.9	0.29	MICL.00907034.XXX
93	800	340	193	96	54	29	5.6	0.34	MICL.00908034.XXX
93	900	340	231	115	64	35	6.3	0.38	MICL.00909034.XXX
93	1000	340	269	134	75	41	7.1	0.43	MICL.00910034.XXX
93	1100	340	307	153	86	46	7.8	0.48	MICL.00911034.XXX
93	1200	340	346	173	96	52	8.5	0.53	MICL.00912034.XXX
93	1300	340	385	192	107	58	9.2	0.58	MICL.00913034.XXX
93	1500	340	462	230	129	70	10.6	0.67	MICL.00915034.XXX
93	1700	340	538	268	150	81	12.0	0.77	MICL.00917034.XXX
93	1900	340	615	307	171	93	13.4	0.86	MICL.00919034.XXX
93	2100	340	692	345	193	105	14.8	0.96	MICL.00921034.XXX
93	2300	340	769	384	214	116	16.2	1.06	MICL.00923034.XXX
93	2500	340	846	422	236	128	17.6	1.15	MICL.00925034.XXX
93	2700	340	923	460	257	140	19.0	1.25	MICL.00927034.XXX
93	2900	340	1000	499	279	151	20.4	1.34	MICL.00929034.XXX
93	3100	340	1076	537	300	163	21.9	1.44	MICL.00931034.XXX
93	3300	340	1154	576	322	175	23.3	1.54	MICL.00933034.XXX
93	3500	340	1231	614	343	186	24.7	1.63	MICL.00935034.XXX
93	3700	340	1307	652	364	198	26.1	1.73	MICL.00937034.XXX
93	3900	340	1385	691	386	210	27.5	1.82	MICL.00939034.XXX
93	4100	340	1461	729	407	221	28.9	1.92	MICL.00941034.XXX
93	4300	340	1538	767	429	233	30.3	2.02	MICL.00943034.XXX
93	4500	340	1615	805	450	244	31.7	2.11	MICL.00945034.XXX
93	4700	340	1692	844	472	256	33.1	2.21	MICL.00947034.XXX
93	4900	340	1769	882	493	268	34.5	2.30	MICL.00949034.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 93 - CONTINUED

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
93	700	420	222	111	62	34	5.8	0.40	MICL.00907042.XXX
93	800	420	278	139	78	42	6.6	0.46	MICL.00908042.XXX
93	900	420	333	166	93	50	7.5	0.53	MICL.00909042.XXX
93	1000	420	388	193	108	59	8.3	0.59	MICL.00910042.XXX
93	1100	420	445	222	124	67	9.1	0.66	MICL.00911042.XXX
93	1200	420	500	249	139	76	9.9	0.73	MICL.00912042.XXX
93	1300	420	555	277	155	84	10.8	0.79	MICL.00913042.XXX
93	1500	420	666	332	186	101	12.4	0.92	MICL.00915042.XXX
93	1700	420	778	388	217	118	14.1	1.06	MICL.00917042.XXX
93	1900	420	888	443	248	134	15.8	1.19	MICL.00919042.XXX
93	2100	420	1000	499	279	151	17.4	1.32	MICL.00921042.XXX
93	2300	420	1111	554	310	168	19.1	1.45	MICL.00923042.XXX
93	2500	420	1221	609	340	185	20.7	1.58	MICL.00925042.XXX
93	2700	420	1333	665	372	202	22.4	1.72	MICL.00927042.XXX
93	2900	420	1444	720	403	219	24.0	1.85	MICL.00929042.XXX
93	3100	420	1555	775	434	235	25.7	1.98	MICL.00931042.XXX
93	3300	420	1666	831	465	252	27.4	2.11	MICL.00933042.XXX
93	3500	420	1777	886	495	269	29.0	2.24	MICL.00935042.XXX
93	3700	420	1888	942	526	286	30.7	2.38	MICL.00937042.XXX
93	3900	420	1999	997	557	303	32.3	2.51	MICL.00939042.XXX
93	4100	420	2111	1053	589	320	34.0	2.64	MICL.00941042.XXX
93	4300	420	2221	1108	619	336	35.6	2.77	MICL.00943042.XXX
93	4500	420	2332	1163	650	353	37.3	2.90	MICL.00945042.XXX
93	4700	420	2444	1219	681	370	39.0	3.04	MICL.00947042.XXX
93	4900	420	2555	1274	712	387	40.6	3.17	MICL.00949042.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 113

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
113	700	140	87	43	24	13	3.5	0.10	MICL.01107014.XXX
113	800	140	109	54	30	16	4.0	0.11	MICL.01108014.XXX
113	900	140	131	65	37	20	4.5	0.13	MICL.01109014.XXX
113	1000	140	153	76	43	23	5.0	0.14	MICL.01110014.XXX
113	1100	140	175	87	49	26	5.5	0.16	MICL.01111014.XXX
113	1200	140	197	98	55	30	6.0	0.18	MICL.01112014.XXX
113	1300	140	218	109	61	33	6.5	0.19	MICL.01113014.XXX
113	1500	140	262	131	73	40	7.5	0.22	MICL.01115014.XXX
113	1700	140	306	153	85	46	8.5	0.26	MICL.01117014.XXX
113	1900	140	349	174	97	53	9.5	0.29	MICL.01119014.XXX
113	2100	140	393	196	110	59	10.5	0.32	MICL.01121014.XXX
113	2300	140	437	218	122	66	11.5	0.35	MICL.01123014.XXX
113	2500	140	480	239	134	73	12.5	0.38	MICL.01125014.XXX
113	2700	140	524	261	146	79	13.5	0.42	MICL.01127014.XXX
113	2900	140	568	283	158	86	14.5	0.45	MICL.01129014.XXX
113	3100	140	612	305	171	93	15.5	0.48	MICL.01131014.XXX
113	3300	140	655	327	183	99	16.5	0.51	MICL.01133014.XXX
113	3500	140	699	349	195	106	17.5	0.54	MICL.01135014.XXX
113	3700	140	743	371	207	112	18.5	0.58	MICL.01137014.XXX
113	3900	140	786	392	219	119	19.5	0.61	MICL.01139014.XXX
113	4100	140	830	414	231	126	20.5	0.64	MICL.01141014.XXX
113	4300	140	874	436	244	132	21.5	0.67	MICL.01143014.XXX
113	4500	140	917	457	256	139	22.5	0.70	MICL.01145014.XXX
113	4700	140	961	479	268	145	23.5	0.74	MICL.01147014.XXX
113	4900	140	1005	501	280	152	24.5	0.77	MICL.01149014.XXX
113	700	180	104	52	29	16	3.8	0.19	MICL.01107018.XXX
113	800	180	129	64	36	20	4.3	0.22	MICL.01108018.XXX
113	900	180	155	77	43	23	4.9	0.26	MICL.01109018.XXX
113	1000	180	181	90	50	27	5.4	0.29	MICL.01110018.XXX
113	1100	180	207	103	58	31	6.0	0.32	MICL.01111018.XXX
113	1200	180	233	116	65	35	6.5	0.35	MICL.01112018.XXX
113	1300	180	259	129	72	39	7.0	0.38	MICL.01113018.XXX
113	1500	180	310	155	86	47	8.1	0.45	MICL.01115018.XXX
113	1700	180	363	181	101	55	9.2	0.51	MICL.01117018.XXX
113	1900	180	414	206	115	63	10.3	0.58	MICL.01119018.XXX
113	2100	180	466	232	130	71	11.4	0.64	MICL.01121018.XXX
113	2300	180	518	258	144	78	12.5	0.70	MICL.01123018.XXX
113	2500	180	569	284	159	86	13.6	0.77	MICL.01125018.XXX
113	2700	180	622	310	173	94	14.6	0.83	MICL.01127018.XXX
113	2900	180	673	336	188	102	15.7	0.90	MICL.01129018.XXX
113	3100	180	725	362	202	110	16.8	0.96	MICL.01131018.XXX
113	3300	180	777	387	217	118	17.9	1.02	MICL.01133018.XXX
113	3500	180	828	413	231	125	19.0	1.09	MICL.01135018.XXX
113	3700	180	881	439	246	133	20.1	1.15	MICL.01137018.XXX
113	3900	180	932	465	260	141	21.1	1.22	MICL.01139018.XXX
113	4100	180	984	491	274	149	22.2	1.28	MICL.01141018.XXX
113	4300	180	1036	517	289	157	23.3	1.34	MICL.01143018.XXX
113	4500	180	1087	542	303	165	24.4	1.41	MICL.01145018.XXX
113	4700	180	1140	569	318	173	25.5	1.47	MICL.01147018.XXX
113	4900	180	1191	594	332	180	26.6	1.54	MICL.01149018.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 113 - CONTINUED

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
113	700	260	140	70	39	21	4.4	0.19	MICL.01107026.XXX
113	800	260	175	87	49	26	5.0	0.22	MICL.01108026.XXX
113	900	260	210	105	59	32	5.6	0.26	MICL.01109026.XXX
113	1000	260	245	122	68	37	6.2	0.29	MICL.01110026.XXX
113	1100	260	279	139	78	42	6.9	0.32	MICL.01111026.XXX
113	1200	260	314	157	88	48	7.5	0.35	MICL.01112026.XXX
113	1300	260	349	174	97	53	8.1	0.38	MICL.01113026.XXX
113	1500	260	420	209	117	64	9.4	0.45	MICL.01115026.XXX
113	1700	260	489	244	136	74	10.6	0.51	MICL.01117026.XXX
113	1900	260	559	279	156	85	11.9	0.58	MICL.01119026.XXX
113	2100	260	629	314	175	95	13.1	0.64	MICL.01121026.XXX
113	2300	260	699	349	195	106	14.4	0.70	MICL.01123026.XXX
113	2500	260	769	384	214	116	15.6	0.77	MICL.01125026.XXX
113	2700	260	839	418	234	127	16.8	0.83	MICL.01127026.XXX
113	2900	260	909	453	253	138	18.1	0.90	MICL.01129026.XXX
113	3100	260	978	488	273	148	19.3	0.96	MICL.01131026.XXX
113	3300	260	1048	523	292	159	20.6	1.02	MICL.01133026.XXX
113	3500	260	1119	558	312	169	21.8	1.09	MICL.01135026.XXX
113	3700	260	1188	592	331	180	23.1	1.15	MICL.01137026.XXX
113	3900	260	1258	627	351	190	24.3	1.22	MICL.01139026.XXX
113	4100	260	1328	662	370	201	25.6	1.28	MICL.01141026.XXX
113	4300	260	1398	697	390	212	26.8	1.34	MICL.01143026.XXX
113	4500	260	1468	732	409	222	28.1	1.41	MICL.01145026.XXX
113	4700	260	1537	767	429	233	29.3	1.47	MICL.01147026.XXX
113	4900	260	1608	802	448	243	30.6	1.54	MICL.01149026.XXX
113	700	340	182	91	51	28	5.3	0.29	MICL.01107034.XXX
113	800	340	227	113	63	34	6.0	0.34	MICL.01108034.XXX
113	900	340	272	136	76	41	6.8	0.38	MICL.01109034.XXX
113	1000	340	317	158	88	48	7.5	0.43	MICL.01110034.XXX
113	1100	340	363	181	101	55	8.3	0.48	MICL.01111034.XXX
113	1200	340	409	204	114	62	9.0	0.53	MICL.01112034.XXX
113	1300	340	454	226	127	69	9.8	0.58	MICL.01113034.XXX
113	1500	340	544	271	152	82	11.3	0.67	MICL.01115034.XXX
113	1700	340	636	317	177	96	12.8	0.77	MICL.01117034.XXX
113	1900	340	726	362	202	110	14.3	0.86	MICL.01119034.XXX
113	2100	340	817	407	228	124	15.8	0.96	MICL.01121034.XXX
113	2300	340	908	453	253	137	17.3	1.06	MICL.01123034.XXX
113	2500	340	998	498	278	151	18.8	1.15	MICL.01125034.XXX
113	2700	340	1090	544	304	165	20.3	1.25	MICL.01127034.XXX
113	2900	340	1180	588	329	179	21.8	1.34	MICL.01129034.XXX
113	3100	340	1271	634	354	192	23.3	1.44	MICL.01131034.XXX
113	3300	340	1362	679	380	206	24.8	1.54	MICL.01133034.XXX
113	3500	340	1452	724	405	220	26.3	1.63	MICL.01135034.XXX
113	3700	340	1544	770	431	234	27.8	1.73	MICL.01137034.XXX
113	3900	340	1634	815	456	247	29.3	1.82	MICL.01139034.XXX
113	4100	340	1725	860	481	261	30.8	1.92	MICL.01141034.XXX
113	4300	340	1816	906	506	275	32.3	2.02	MICL.01143034.XXX
113	4500	340	1906	951	531	288	33.8	2.11	MICL.01145034.XXX
113	4700	340	1998	996	557	302	35.3	2.21	MICL.01147034.XXX
113	4900	340	2088	1041	582	316	36.8	2.30	MICL.01149034.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 113 - CONTINUED

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
113	700	420	255	127	71	39	6.2	0.40	MICL.01107042.XXX
113	800	420	319	159	89	48	7.0	0.46	MICL.01108042.XXX
113	900	420	383	191	107	58	7.9	0.53	MICL.01109042.XXX
113	1000	420	447	223	125	68	8.8	0.59	MICL.01110042.XXX
113	1100	420	510	254	142	77	9.7	0.66	MICL.01111042.XXX
113	1200	420	574	286	160	87	10.6	0.73	MICL.01112042.XXX
113	1300	420	638	318	178	97	11.4	0.79	MICL.01113042.XXX
113	1500	420	766	382	214	116	13.2	0.92	MICL.01115042.XXX
113	1700	420	893	445	249	135	15.0	1.06	MICL.01117042.XXX
113	1900	420	1021	509	285	155	16.7	1.19	MICL.01119042.XXX
113	2100	420	1148	573	320	174	18.5	1.32	MICL.01121042.XXX
113	2300	420	1276	636	356	193	20.2	1.45	MICL.01123042.XXX
113	2500	420	1404	700	391	213	22.0	1.58	MICL.01125042.XXX
113	2700	420	1531	764	427	232	23.8	1.72	MICL.01127042.XXX
113	2900	420	1659	827	463	251	25.5	1.85	MICL.01129042.XXX
113	3100	420	1786	891	498	270	27.3	1.98	MICL.01131042.XXX
113	3300	420	1914	955	534	290	29.0	2.11	MICL.01133042.XXX
113	3500	420	2042	1018	569	309	30.8	2.24	MICL.01135042.XXX
113	3700	420	2169	1082	605	328	32.6	2.38	MICL.01137042.XXX
113	3900	420	2297	1146	640	348	34.3	2.51	MICL.01139042.XXX
113	4100	420	2424	1209	676	367	36.1	2.64	MICL.01141042.XXX
113	4300	420	2552	1273	712	386	37.8	2.77	MICL.01143042.XXX
113	4500	420	2680	1337	747	406	39.6	2.90	MICL.01145042.XXX
113	4700	420	2807	1400	783	425	41.4	3.04	MICL.01147042.XXX
113	4900	420	2935	1464	818	444	43.1	3.17	MICL.01149042.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 143

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
143	700	140	99	49	28	15	4.0	0.19	MICL.01407014.XXX
143	800	140	124	62	35	19	4.6	0.22	MICL.01408014.XXX
143	900	140	149	74	42	23	5.1	0.26	MICL.01409014.XXX
143	1000	140	174	87	49	26	5.7	0.29	MICL.01410014.XXX
143	1100	140	198	99	55	30	6.3	0.32	MICL.01411014.XXX
143	1200	140	223	111	62	34	6.8	0.35	MICL.01412014.XXX
143	1300	140	248	124	69	38	7.4	0.38	MICL.01413014.XXX
143	1500	140	298	149	83	45	8.6	0.45	MICL.01415014.XXX
143	1700	140	347	173	97	53	9.7	0.51	MICL.01417014.XXX
143	1900	140	397	198	111	60	10.8	0.58	MICL.01419014.XXX
143	2100	140	446	222	124	68	12.0	0.64	MICL.01421014.XXX
143	2300	140	496	247	138	75	13.1	0.70	MICL.01423014.XXX
143	2500	140	546	272	152	83	14.3	0.77	MICL.01425014.XXX
143	2700	140	595	297	166	90	15.4	0.83	MICL.01427014.XXX
143	2900	140	645	322	180	98	16.5	0.90	MICL.01429014.XXX
143	3100	140	694	346	194	105	17.7	0.96	MICL.01431014.XXX
143	3300	140	744	371	207	113	18.8	1.02	MICL.01433014.XXX
143	3500	140	794	396	221	120	20.0	1.09	MICL.01435014.XXX
143	3700	140	843	420	235	128	21.1	1.15	MICL.01437014.XXX
143	3900	140	893	445	249	135	22.2	1.22	MICL.01439014.XXX
143	4100	140	942	470	263	143	23.4	1.28	MICL.01441014.XXX
143	4300	140	992	495	277	150	24.5	1.34	MICL.01443014.XXX
143	4500	140	1042	520	291	158	25.7	1.41	MICL.01445014.XXX
143	4700	140	1091	544	304	165	26.8	1.47	MICL.01447014.XXX
143	4900	140	1141	569	318	173	27.9	1.54	MICL.01449014.XXX
143	700	260	172	86	48	26	5.4	0.46	MICL.01407026.XXX
143	800	260	215	107	60	33	6.2	0.52	MICL.01408026.XXX
143	900	260	258	129	72	39	7.0	0.59	MICL.01409026.XXX
143	1000	260	301	150	84	46	7.8	0.65	MICL.01410026.XXX
143	1100	260	345	172	96	52	8.5	0.72	MICL.01411026.XXX
143	1200	260	388	193	108	59	9.3	0.78	MICL.01412026.XXX
143	1300	260	431	215	120	65	10.1	0.85	MICL.01413026.XXX
143	1500	260	516	257	144	78	11.7	0.98	MICL.01415026.XXX
143	1700	260	603	301	168	91	13.2	1.11	MICL.01417026.XXX
143	1900	260	689	344	192	104	14.8	1.24	MICL.01419026.XXX
143	2100	260	775	386	216	117	16.3	1.37	MICL.01421026.XXX
143	2300	260	861	429	240	130	17.9	1.50	MICL.01423026.XXX
143	2500	260	947	472	264	143	19.4	1.63	MICL.01425026.XXX
143	2700	260	1034	516	288	157	21.0	1.76	MICL.01427026.XXX
143	2900	260	1119	558	312	169	22.5	1.89	MICL.01429026.XXX
143	3100	260	1206	601	336	183	24.1	2.02	MICL.01431026.XXX
143	3300	260	1292	644	360	196	25.6	2.15	MICL.01433026.XXX
143	3500	260	1377	687	384	208	27.2	2.28	MICL.01435026.XXX
143	3700	260	1464	730	408	222	28.7	2.41	MICL.01437026.XXX
143	3900	260	1550	773	432	235	30.3	2.54	MICL.01439026.XXX
143	4100	260	1636	816	456	248	31.9	2.67	MICL.01441026.XXX
143	4300	260	1722	859	480	261	33.4	2.80	MICL.01443026.XXX
143	4500	260	1808	902	504	274	35.0	2.93	MICL.01445026.XXX
143	4700	260	1895	945	528	287	36.5	3.06	MICL.01447026.XXX
143	4900	260	1980	987	552	300	38.1	3.19	MICL.01449026.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 143 - CONTINUED

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
143	700	340	235	117	66	36	6.7	0.69	MICL.01407034.XXX
143	800	340	294	147	82	44	7.6	0.78	MICL.01408034.XXX
143	900	340	353	176	98	53	8.6	0.88	MICL.01409034.XXX
143	1000	340	411	205	115	62	9.5	0.98	MICL.01410034.XXX
143	1100	340	470	234	131	71	10.5	1.08	MICL.01411034.XXX
143	1200	340	529	264	147	80	11.4	1.18	MICL.01412034.XXX
143	1300	340	587	293	164	89	12.4	1.27	MICL.01413034.XXX
143	1500	340	705	352	197	107	14.3	1.47	MICL.01415034.XXX
143	1700	340	822	410	229	124	16.2	1.67	MICL.01417034.XXX
143	1900	340	940	469	262	142	18.1	1.86	MICL.01419034.XXX
143	2100	340	1057	527	295	160	20.0	2.06	MICL.01421034.XXX
143	2300	340	1175	586	328	178	21.9	2.25	MICL.01423034.XXX
143	2500	340	1292	644	360	196	23.8	2.45	MICL.01425034.XXX
143	2700	340	1409	703	393	213	25.7	2.65	MICL.01427034.XXX
143	2900	340	1527	762	426	231	27.6	2.84	MICL.01429034.XXX
143	3100	340	1644	820	458	249	29.5	3.04	MICL.01431034.XXX
143	3300	340	1762	879	491	267	31.4	3.23	MICL.01433034.XXX
143	3500	340	1880	938	524	285	33.3	3.43	MICL.01435034.XXX
143	3700	340	1997	996	557	302	35.2	3.63	MICL.01437034.XXX
143	3900	340	2115	1055	590	320	37.1	3.82	MICL.01439034.XXX
143	4100	340	2232	1113	622	338	39.0	4.02	MICL.01441034.XXX
143	4300	340	2349	1171	655	356	40.9	4.21	MICL.01443034.XXX
143	4500	340	2467	1230	688	373	42.8	4.41	MICL.01445034.XXX
143	4700	340	2584	1289	720	391	44.7	4.61	MICL.01447034.XXX
143	4900	340	2702	1347	753	409	46.6	4.80	MICL.01449034.XXX
143	700	420	317	158	88	48	7.9	0.92	MICL.01407042.XXX
143	800	420	396	197	110	60	9.0	1.06	MICL.01408042.XXX
143	900	420	475	237	132	72	10.2	1.19	MICL.01409042.XXX
143	1000	420	555	277	155	84	11.3	1.32	MICL.01410042.XXX
143	1100	420	633	316	176	96	12.4	1.45	MICL.01411042.XXX
143	1200	420	713	356	199	108	13.5	1.58	MICL.01412042.XXX
143	1300	420	792	395	221	120	14.7	1.72	MICL.01413042.XXX
143	1500	420	950	474	265	144	16.9	1.98	MICL.01415042.XXX
143	1700	420	1108	553	309	168	19.2	2.24	MICL.01417042.XXX
143	1900	420	1267	632	353	192	21.4	2.51	MICL.01419042.XXX
143	2100	420	1425	711	397	216	23.7	2.77	MICL.01421042.XXX
143	2300	420	1583	789	441	240	25.9	3.04	MICL.01423042.XXX
143	2500	420	1742	869	486	264	28.2	3.30	MICL.01425042.XXX
143	2700	420	1900	948	530	288	30.5	3.56	MICL.01427042.XXX
143	2900	420	2058	1026	574	311	32.7	3.83	MICL.01429042.XXX
143	3100	420	2217	1106	618	336	35.0	4.09	MICL.01431042.XXX
143	3300	420	2375	1184	662	359	37.2	4.36	MICL.01433042.XXX
143	3500	420	2533	1263	706	383	39.5	4.62	MICL.01435042.XXX
143	3700	420	2692	1343	751	407	41.7	4.88	MICL.01437042.XXX
143	3900	420	2850	1421	795	431	44.0	5.15	MICL.01439042.XXX
143	4100	420	3008	1500	839	455	46.2	5.41	MICL.01441042.XXX
143	4300	420	3167	1579	883	479	48.5	5.68	MICL.01443042.XXX
143	4500	420	3325	1658	927	503	50.8	5.94	MICL.01445042.XXX
143	4700	420	3483	1737	971	527	53.0	6.20	MICL.01447042.XXX
143	4900	420	3642	1816	1015	551	55.3	6.47	MICL.01449042.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow.
For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 193

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
193	700	260	196	98	55	30	6.5	0.46	MICL.01907026.XXX
193	800	260	245	122	68	37	7.4	0.52	MICL.01908026.XXX
193	900	260	293	146	82	44	8.3	0.59	MICL.01909026.XXX
193	1000	260	342	171	95	52	9.3	0.65	MICL.01910026.XXX
193	1100	260	392	195	109	59	10.2	0.72	MICL.01911026.XXX
193	1200	260	440	219	123	67	11.1	0.78	MICL.01912026.XXX
193	1300	260	489	244	136	74	12.0	0.85	MICL.01913026.XXX
193	1500	260	587	293	164	89	13.9	0.98	MICL.01915026.XXX
193	1700	260	685	342	191	104	15.7	1.11	MICL.01917026.XXX
193	1900	260	782	390	218	118	17.6	1.24	MICL.01919026.XXX
193	2100	260	881	439	246	133	19.4	1.37	MICL.01921026.XXX
193	2300	260	978	488	273	148	21.3	1.50	MICL.01923026.XXX
193	2500	260	1076	537	300	163	23.1	1.63	MICL.01925026.XXX
193	2700	260	1174	585	327	178	25.0	1.76	MICL.01927026.XXX
193	2900	260	1271	634	354	192	26.8	1.89	MICL.01929026.XXX
193	3100	260	1370	683	382	207	28.7	2.02	MICL.01931026.XXX
193	3300	260	1467	732	409	222	30.5	2.15	MICL.01933026.XXX
193	3500	260	1565	780	436	237	32.4	2.28	MICL.01935026.XXX
193	3700	260	1663	829	464	252	34.2	2.41	MICL.01937026.XXX
193	3900	260	1760	878	491	266	36.1	2.54	MICL.01939026.XXX
193	4100	260	1859	927	518	281	37.9	2.67	MICL.01941026.XXX
193	4300	260	1956	975	545	296	39.8	2.80	MICL.01943026.XXX
193	4500	260	2054	1024	573	311	41.6	2.93	MICL.01945026.XXX
193	4700	260	2152	1073	600	326	43.5	3.06	MICL.01947026.XXX
193	4900	260	2250	1122	627	341	45.3	3.19	MICL.01949026.XXX
193	700	340	265	132	74	40	7.7	0.69	MICL.01907034.XXX
193	800	340	332	166	93	50	8.8	0.78	MICL.01908034.XXX
193	900	340	397	198	111	60	10.0	0.88	MICL.01909034.XXX
193	1000	340	463	231	129	70	11.1	0.98	MICL.01910034.XXX
193	1100	340	530	264	148	80	12.2	1.08	MICL.01911034.XXX
193	1200	340	596	297	166	90	13.3	1.18	MICL.01912034.XXX
193	1300	340	662	330	185	100	14.4	1.27	MICL.01913034.XXX
193	1500	340	795	396	222	120	16.6	1.47	MICL.01915034.XXX
193	1700	340	927	462	258	140	18.8	1.67	MICL.01917034.XXX
193	1900	340	1059	528	295	160	21.0	1.86	MICL.01919034.XXX
193	2100	340	1192	594	332	180	23.2	2.06	MICL.01921034.XXX
193	2300	340	1324	660	369	200	25.4	2.25	MICL.01923034.XXX
193	2500	340	1457	727	406	221	27.7	2.45	MICL.01925034.XXX
193	2700	340	1590	793	443	241	29.9	2.65	MICL.01927034.XXX
193	2900	340	1721	858	480	260	32.1	2.84	MICL.01929034.XXX
193	3100	340	1854	925	517	281	34.3	3.04	MICL.01931034.XXX
193	3300	340	1987	991	554	301	36.5	3.23	MICL.01933034.XXX
193	3500	340	2119	1057	591	321	38.7	3.43	MICL.01935034.XXX
193	3700	340	2252	1123	628	341	40.9	3.63	MICL.01937034.XXX
193	3900	340	2384	1189	665	361	43.1	3.82	MICL.01939034.XXX
193	4100	340	2516	1255	702	381	45.3	4.02	MICL.01941034.XXX
193	4300	340	2649	1321	739	401	47.6	4.21	MICL.01943034.XXX
193	4500	340	2781	1387	775	421	49.8	4.41	MICL.01945034.XXX
193	4700	340	2914	1453	813	441	52.0	4.61	MICL.01947034.XXX
193	4900	340	3046	1519	849	461	54.2	4.80	MICL.01949034.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42.

PERFORMANCE - MINI CANAL

HEIGHT 193 - CONTINUED

DIMENSIONS			HEATING				WEIGHT	WATER CONTENT	ORDER CODE
H mm	L mm	B mm	75/65 Watts	55/45 Watts	45/35 Watts	35/30 Watts	kg	l	
193	700	420	363	181	101	55	9.0	0.92	MICL.01907042.XXX
193	800	420	455	227	127	69	10.3	1.06	MICL.01908042.XXX
193	900	420	546	272	152	83	11.6	1.19	MICL.01909042.XXX
193	1000	420	636	317	177	96	12.9	1.32	MICL.01910042.XXX
193	1100	420	728	363	203	110	14.2	1.45	MICL.01911042.XXX
193	1200	420	818	408	228	124	15.5	1.58	MICL.01912042.XXX
193	1300	420	909	453	253	138	16.8	1.72	MICL.01913042.XXX
193	1500	420	1091	544	304	165	19.3	1.98	MICL.01915042.XXX
193	1700	420	1273	635	355	193	21.9	2.24	MICL.01917042.XXX
193	1900	420	1455	726	406	220	24.5	2.51	MICL.01919042.XXX
193	2100	420	1637	816	456	248	27.1	2.77	MICL.01921042.XXX
193	2300	420	1819	907	507	275	29.6	3.04	MICL.01923042.XXX
193	2500	420	2001	998	558	303	32.2	3.30	MICL.01925042.XXX
193	2700	420	2182	1088	608	330	34.8	3.56	MICL.01927042.XXX
193	2900	420	2365	1179	659	358	37.4	3.83	MICL.01929042.XXX
193	3100	420	2547	1270	710	385	40.0	4.09	MICL.01931042.XXX
193	3300	420	2728	1360	761	413	42.5	4.36	MICL.01933042.XXX
193	3500	420	2910	1451	811	440	45.1	4.62	MICL.01935042.XXX
193	3700	420	3092	1542	862	468	47.7	4.88	MICL.01937042.XXX
193	3900	420	3274	1633	913	496	50.3	5.15	MICL.01939042.XXX
193	4100	420	3456	1724	964	523	52.8	5.41	MICL.01941042.XXX
193	4300	420	3638	1814	1014	551	55.4	5.68	MICL.01943042.XXX
193	4500	420	3820	1905	1065	578	58.0	5.94	MICL.01945042.XXX
193	4700	420	4001	1995	1116	606	60.6	6.20	MICL.01947042.XXX
193	4900	420	4184	2087	1167	633	63.2	6.47	MICL.01949042.XXX

Part numbers: Replace MICL with MICZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Outputs shown based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42.

MINI CANAL PRO

Where increased power and/or alternative heights or widths are required, Mini Canal Pro is the engineered solution. This powerful trench heater is available in heights 90, 120, 150 and 200, and widths 140, 180, 230, 300 and 380, offering alternatives to our standard Mini Canal and Mini Canal Hybrid sizes.

For further information please contact Jaga's technical department.

jaga
CLIMATE DESIGNERS

MINI CANAL HYBRID

Powerful heating and light cooling

Mini Canal Hybrid units operate in the same way as their natural convection counterparts but with the addition of low noise fan units to provide increased performance when needed.

Mini Canal Hybrid is perfectly suited to renewable energy technology, delivering powerful heating performance at low water temperatures.

The hybrid functionality means it's suitable for non-condensing light cooling too in combination with any heat pump that can supply cooled water. This mild form of cooling is highly energy-efficient and provides thermal comfort throughout the year.

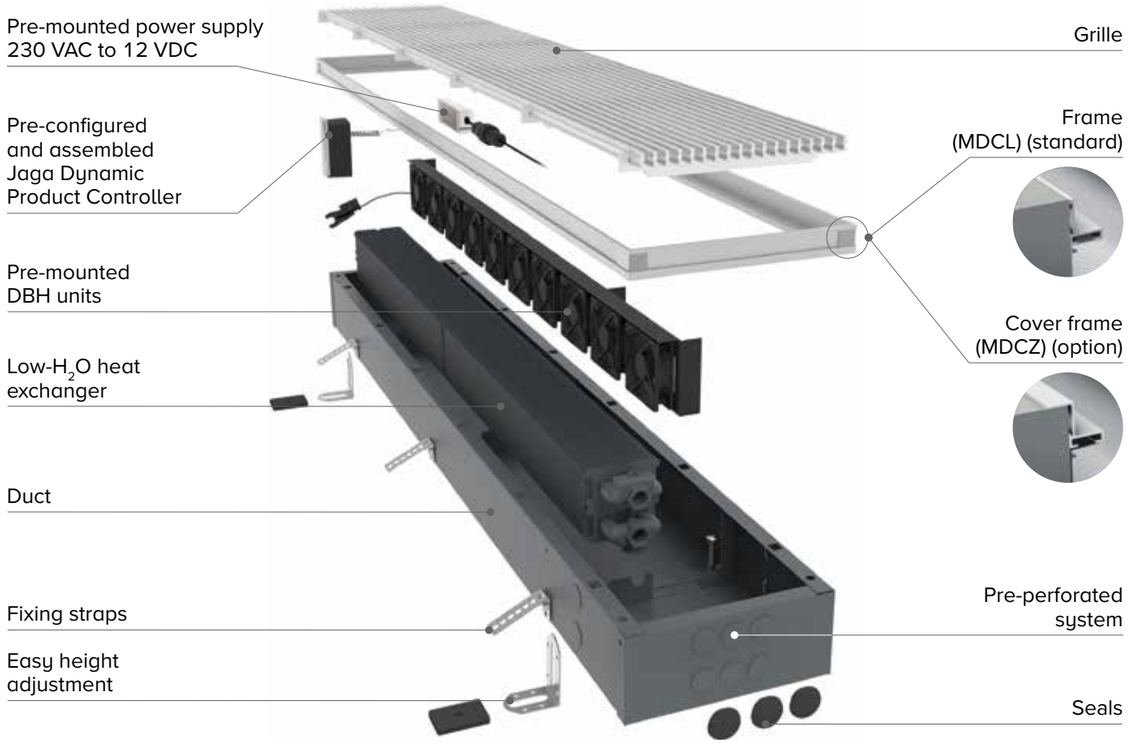
- Low water content 2-pipe heat exchanger
- Low noise DBH fan unit
- Depth 140mm
- Widths from 260mm to 420mm
- Lengths from 1100mm to 3100mm

UK CA

MINI CANAL HYBRID

COMPOSITION & DIMENSIONS - MINI CANAL HYBRID

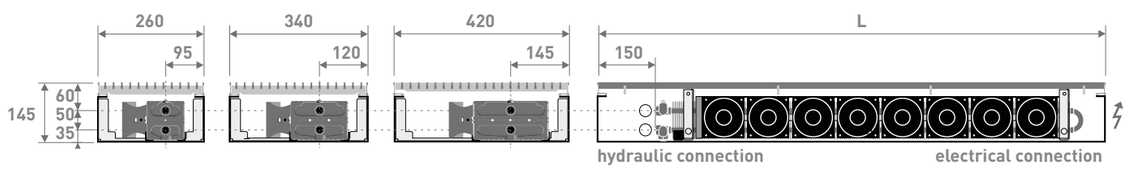
COMPOSITION



CONSTRUCTION

- Heat exchanger and duct the same as Mini Canal
- Low noise 12 VDC activator set
- Equipped with Jaga Dynamic Product Controller, see below.

DIMENSIONS in mm



JAGA DYNAMIC PRODUCT CONTROLLER (JDPC)

Mini Canal Hybrid is supplied as standard with a Jaga Dynamic Product Controller (JDPC).

This is a multifunctional controller for heating and light cooling devices and is supplied preconfigured and assembled.

- Use standard thermostatic and lockshield valve
- Use thermostatic or remote head option for heating only
- Use Heimeier heating and cooling head for heating and light cooling (Note: senses temperature within the trench duct, not the room)
- Alternatively use thermoelectric drive via remote thermostat, remote control or BMS
- Indication of operating mode by LED's
- Control with touch operation and sensor for water temperature
- Power supply 230 VAC to 12 VDC pre-mounted (other options available - please contact Jaga for further information)
- Fan settings

  Heating: 3 speeds (operates at water temperature ›28°C – this can be modified)

  Light cooling: 3 speeds (operates at water temperature ‹18°C – this can be modified)
- 0-10 V input for building management system (please contact Jaga for further information regarding BMS option)

PERFORMANCE - MINI CANAL HYBRID

WIDTH 260

DIMENSIONS			FAN SPEED	HEATING				COOLING (Non-condensing)	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18						
mm	mm	mm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l	
145	1100	260	0	285	141	80	43	-	-	-	-	13.9	0.72	MDCL.014.110.026/XXX/VAC
			1	1409	788	492	293	92	26	166	8.4			
			2	1505	841	526	313	97	30	190	9.4			
			3	1568	877	548	326	97	35.7	230	11			
145	1200	260	0	335	154	82	41	-	-	-	-	15.2	0.78	MDCL.014.120.026/XXX/VAC
			1	1787	1012	639	385	108	26	212	9.6			
			2	1925	1090	689	414	115	30	242	10.6			
			3	2045	1158	732	440	117	37	306	13.9			
145	1300	260	0	359	178	101	54	-	-	-	-	16.4	0.85	MDCL.014.130.026/XXX/VAC
			1	1810	1012	633	376	120	26	212	10.8			
			2	1949	1090	681	405	128	30	242	12			
			3	2068	1156	723	430	129	37	306	14.7			
145	1500	260	0	430	213	120	64	-	-	-	-	19.0	0.98	MDCL.014.150.026/XXX/VAC
			1	2198	1229	768	457	147	26	257	13.2			
			2	2379	1330	832	494	158	30	293	14.6			
			3	2567	1435	897	533	161	38	383	18.3			
145	1700	260	0	503	249	141	75	-	-	-	-	21.5	1.11	MDCL.014.170.026/XXX/VAC
			1	2577	1441	901	536	173	26	301	15.5			
			2	2802	1567	979	582	188	30	343	17.2			
			3	3067	1715	1072	637	193	38.8	460	22			
145	1900	260	0	587	290	164	88	-	-	-	-	24.0	1.24	MDCL.014.190.026/XXX/VAC
			1	2960	1655	1035	615	199	26	343	17.8			
			2	3228	1805	1128	671	217	30	391	19.7			
			3	3578	2000	1251	744	225	39.4	536	25.7			
145	2100	260	0	644	319	180	96	-	-	-	-	26.6	1.37	MDCL.014.210.026/XXX/VAC
			1	3017	1687	1055	627	119	26	343	17.8			
			2	3285	1837	1148	683	217	30	391	19.7			
			3	3636	2033	1271	756	225	39.4	536	25.7			
145	2300	260	0	717	355	201	107	-	-	-	-	29.1	1.50	MDCL.014.230.026/XXX/VAC
			1	3345	1870	1169	695	224	26	385	20			
			2	3658	2045	1279	760	245	30	438	22.2			
			3	4100	2292	1433	852	258	40	613	29.3			
145	2500	260	0	788	390	221	118	-	-	-	-	31.63	1.63	MDCL.014.250.026/XXX/VAC
			1	3738	2090	1307	777	249	26	426	22.2			
			2	4095	2289	1431	851	273	30	485	24.6			
			3	4634	2591	1620	963	290	40.5	689	33			
145	2700	260	0	860	425	241	128	-	-	-	-	34.16	1.76	MDCL.014.270.026/XXX/VAC
			1	4089	2286	1429	850	273	26	467	24.4			
			2	4491	2511	1570	933	300	30	531	27			
			3	5134	2870	1795	1067	322	41	766	36.7			
145	2900	260	0	931	460	261	139	-	-	-	-	36.69	1.89	MDCL.014.290.026/XXX/VAC
			1	4434	2479	1550	921	297	26	506	26.5			
			2	4881	2729	1706	1014	328	30	576	29.4			
			3	5556	3106	1942	1155	362	38.1	757	36.8			
145	3100	260	0	1006	498	282	150	-	-	-	-	39.22	2.02	MDCL.014.310.026/XXX/VAC
			1	4779	2672	1670	993	320	26	546	28.7			
			2	5272	2947	1843	1096	355	30	621	31.8			
			3	5800	3243	2027	1205	386	35	733	36.4			

Part numbers: Replace MDCL with MDCZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Mini Canal Hybrid is available in lengths from 700mm to 4900mm, please speak to Jaga or visit www.jaga.co.uk for more information. Outputs shown at speed 0 are based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42. Grille correction not needed for speed 1, 2 & 3. Power consumption at speed 0 assuming power supply has been switched off.

PERFORMANCE - MINI CANAL HYBRID

WIDTH 340

DIMENSIONS			FAN SPEED	HEATING				COOLING (Non-condensing)	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18						
mm	mm	mm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l	
145	1100	340	0	376	186	105	56	-	-	-	-	16.8	1.08	MDCL.01411034/XXX/VAC
			1	1821	1030	650	390	104	26	158	8.4			
			2	1944	1099	694	417	113	30	180	9.4			
			3	1990	1125	710	426	113	35.7	218	11			
145	1200	340	0	442	204	109	54	-	-	-	-	18.4	1.18	MDCL.01412034/XXX/VAC
			1	2305	1305	825	496	120	26	201	9.6			
			2	2488	1409	890	535	133	30	230	10.6			
			3	2593	1469	982	558	137	37	291	13.9			
145	1300	340	0	473	234	132	71	-	-	-	-	19.9	1.27	MDCL.01413034/XXX/VAC
			1	2336	1321	833	501	133	26	201	10.8			
			2	2519	1425	899	540	148	30	230	12			
			3	2624	1484	936	562	151	37	291	14.7			
145	1500	340	0	566	280	159	85	-	-	-	-	23.0	1.47	MDCL.01415034/XXX/VAC
			1	2831	1601	1010	607	161	26	244	13.2			
			2	3076	1739	1097	659	181	30	278	14.6			
			3	3256	1841	1162	698	189	38	363	18.3			
145	1700	340	0	663	328	186	99	-	-	-	-	26.0	1.67	MDCL.01417034/XXX/VAC
			1	3315	1875	1183	711	188	26	286	15.5			
			2	3622	2048	1292	776	213	30	325	17.2			
			3	3890	2200	1388	834	226	38.8	436	22			
145	1900	340	0	773	382	217	115	-	-	-	-	29.1	1.86	MDCL.01419034/XXX/VAC
			1	3801	2150	1356	815	214	26	325	17.8			
			2	4171	2359	1488	894	245	30	371	19.7			
			3	4539	2566	1619	973	264	39.4	509	25.7			
145	2100	340	0	849	420	238	127	-	-	-	-	32.1	2.06	MDCL.01421034/XXX/VAC
			1	3877	2192	1383	831	214	26	325	17.8			
			2	4247	2401	1515	910	245	30	371	19.7			
			3	4614	2609	1646	989	264	39.4	509	25.7			
145	2300	340	0	945	467	265	141	-	-	-	-	35.2	2.25	MDCL.01423034/XXX/VAC
			1	4338	2453	1548	930	238	26	366	20			
			2	4772	2698	1703	1023	275	30	417	22.2			
			3	5248	2968	1872	1125	302	40	582	29.3			
145	2500	340	0	1039	514	291	155	-	-	-	-	38.3	2.45	MDCL.01425034/XXX/VAC
			1	4789	2708	1709	1026	262	26	405	22.2			
			2	5287	2990	1886	1133	305	30	461	24.6			
			3	5880	3325	2098	1260	339	40.5	655	33			
145	2700	340	0	1133	560	317	169	-	-	-	-	41.3	2.65	MDCL.01427034/XXX/VAC
			1	5230	2958	1866	1121	285	26	442	24.4			
			2	5794	3276	2067	1242	334	30	505	27			
			3	6511	3682	2323	1395	377	41	728	36.7			
145	2900	340	0	1227	607	344	183	-	-	-	-	44.4	2.84	MDCL.01429034/XXX/VAC
			1	5665	3204	2021	1214	308	26	481	26.5			
			2	6295	3560	2246	1349	362	30	548	29.4			
			3	7138	4037	2547	1530	424	38.1	719	36.8			
145	3100	340	0	1325	656	371	198	-	-	-	-	47.4	3.04	MDCL.01431034/XXX/VAC
			1	6097	3448	2175	1307	330	26	517	28.7			
			2	6793	3841	2424	1456	390	30	590	31.8			
			3	7495	4238	2674	1606	446	35	698	36.4			

Part numbers: Replace MDCL with MDCZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Mini Canal Hybrid is available in lengths from 700mm to 4900mm, please speak to Jaga or visit www.jaga.co.uk for more information. Outputs shown at speed 0 are based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42. Grille correction not needed for speed 1, 2 & 3. Power consumption at speed 0 assuming power supply has been switched off.

PERFORMANCE - MINI CANAL HYBRID

WIDTH 420

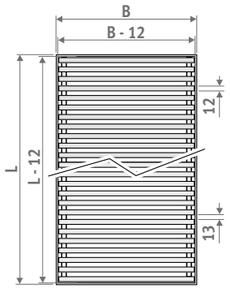
DIMENSIONS			FAN SPEED	HEATING				COOLING (Non-condensing)	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18						
mm	mm	mm		Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l	
145	1100	420	0	466	231	131	70	-	-	-	-	19.8	1.45	MDCL.01411042/XXX/VAC
			1	2141	1213	766	461	89	26	150	8.4			
			2	2279	1291	815	490	96	30	171	9.4			
			3	2332	1320	834	502	96	35.7	207	11			
145	1200	420	0	547	252	135	67	-	-	-	-	21.6	1.58	MDCL.01412042/XXX/VAC
			1	2711	1535	970	583	115	26	191	9.6			
			2	2915	1651	1043	627	126	30	219	10.6			
			3	3034	1718	1086	653	128	37	277	13.9			
145	1300	420	0	586	290	164	87	-	-	-	-	23.4	1.71	MDCL.01413042/XXX/VAC
			1	2749	1557	984	592	115	26	191	10.8			
			2	2953	1673	1057	636	126	30	219	12			
			3	3072	1740	1099	661	128	37	277	14.7			
145	1500	420	0	702	347	197	105	-	-	-	-	27.0	1.98	MDCL.01415042/XXX/VAC
			1	3334	1888	1193	718	140	26	232	13.2			
			2	3607	2043	1290	776	155	30	264	14.6			
			3	3810	2158	1363	820	160	38	346	18.3			
145	1700	420	0	821	406	230	123	-	-	-	-	30.6	2.24	MDCL.01417042/XXX/VAC
			1	3908	2213	1398	841	164	26	272	15.5			
			2	4249	2407	1520	914	183	30	309	17.2			
			3	4552	2578	1629	980	192	38.8	415	22			
145	1900	420	0	958	474	268	143	-	-	-	-	34.2	2.50	MDCL.01419042/XXX/VAC
			1	4485	2540	1605	965	164	26	310	17.8			
			2	4897	2773	1752	1054	183	30	353	19.7			
			3	5310	3008	1900	1143	192	39.4	484	25.7			
145	2100	420	0	1052	520	295	157	-	-	-	-	37.9	2.77	MDCL.01421042/XXX/VAC
			1	4579	2593	1638	985	187	26	309	17.8			
			2	4990	2826	1786	1074	210	30	353	19.7			
			3	5404	3061	1934	1163	224	39.4	484	25.7			
145	2300	420	0	1171	579	328	175	-	-	-	-	41.5	3.03	MDCL.01423042/XXX/VAC
			1	5126	2903	1834	1103	210	26	348	20			
			2	5609	3177	2007	1207	237	30	396	22.2			
			3	6144	3480	2198	1322	256	40	553	29.3			
145	2500	420	0	1287	637	361	192	-	-	-	-	45.1	3.30	MDCL.01425042/XXX/VAC
			1	5662	3207	2026	1219	231	26	385	22.2			
			2	6217	3521	2224	1338	263	30	438	24.6			
			3	6883	3898	2463	1481	288	40.5	622	33			
145	2700	420	0	1404	694	393	210	-	-	-	-	48.7	3.56	MDCL.01427042/XXX/VAC
			1	6188	3505	2214	1332	253	26	421	24.4			
			2	6816	3860	2439	1467	288	30	480	27			
			3	7622	4317	2727	1640	321	41	691	36.7			
145	2900	420	0	1520	752	426	227	-	-	-	-	52.3	3.82	MDCL.01429042/XXX/VAC
			1	6706	3798	2399	1443	273	26	457	26.5			
			2	7407	4195	2650	1594	313	30	520	29.4			
			3	8350	4729	2988	1797	359	38.1	683	36.8			
145	3100	420	0	1642	812	460	245	-	-	-	-	55.9	4.09	MDCL.01431042/XXX/VAC
			1	7222	4090	2584	1554	294	26	492	28.7			
			2	7997	4529	2861	1721	338	30	561	31.8			
			3	8779	4972	3141	1889	380	35	663	36.4			

Part numbers: Replace MDCL with MDCZ if cover frame is required. Replace XXX with grille code. Output at 20°C room temperature. Mini Canal Hybrid is available in lengths from 700mm to 4900mm, please speak to Jaga or visit www.jaga.co.uk for more information. Outputs shown at speed 0 are based on grille with minimum of 70% free air flow. For grille correction factors refer to page 40-42. Grille correction not needed for speed 1, 2 & 3. Power consumption at speed 0 assuming power supply has been switched off.

GRILLES - MINI CANAL & MINI CANAL HYBRID

ROLL-UP

DESIGNO WOODEN GRILLES



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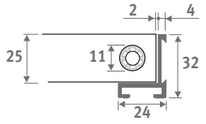


DON Oak natural

DOV Oak varnished

DMN Merbau natural

DMV Merbau varnished

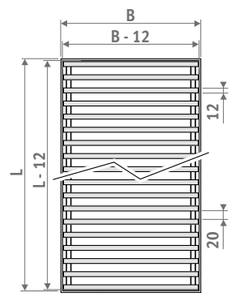
DBN Beech natural

DBV Beech varnished

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

WOODEN GRILLES



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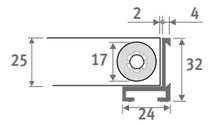


RON Oak natural

ROV Oak varnished

RMN Merbau natural

RMV Merbau varnished

RBN Beech natural

RBV Beech varnished

Roll-up natural or varnished grille, with dark brown coloured synthetic spacers. Frame in brown anodised aluminium.

Free air flow: 63%
Output correction factor: 0.97

GRILLES - MINI CANAL & MINI CANAL HYBRID

ROLL-UP

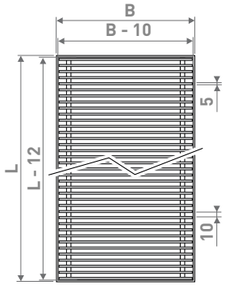
ALUMINIUM GRILLES

RNA Natural aluminium

RBL Black

RDB Dark brown

RBR Brass coloured



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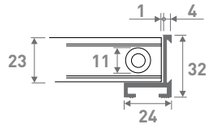
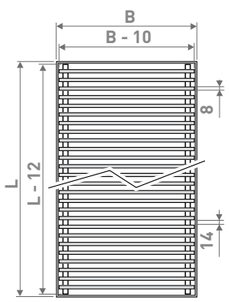


Roll-up anodised aluminium grille with frame in matching colour.

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

STAINLESS STEEL GRILLES

RSS Stainless steel



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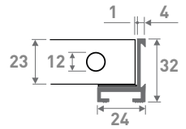
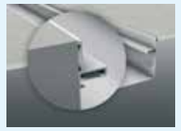
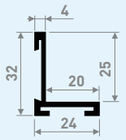


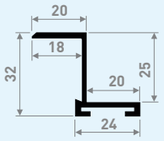
Mini Canal and separate frames are available with L-profile or Z-profile frame.



Frame
L-profile

Cover frame
Z-profile





Roll-up grille in high grade stainless steel 1.4301. With frame in natural anodised aluminium.

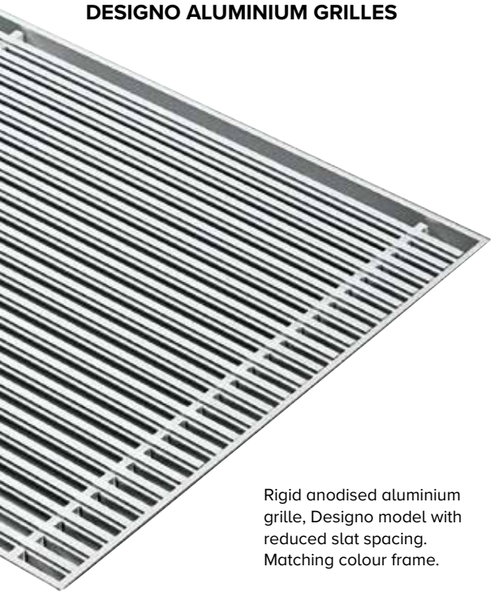
NOTE: Due to weight, lengths are limited. Longer lengths will be delivered in sections to give continuous appearance.

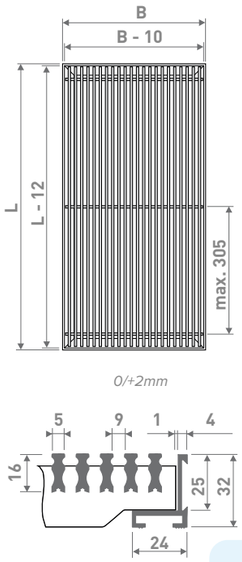
Free air flow: 60%
Output correction factor: 0.96

GRILLES - MINI CANAL & MINI CANAL HYBRID

RIGID

DESIGNO ALUMINIUM GRILLES



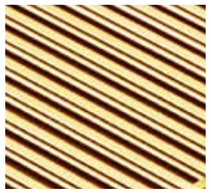


Rigid anodised aluminium grille, Designo model with reduced slat spacing. Matching colour frame.

Free air flow: 62.5%
Output correction factor: 0.97

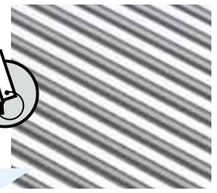
DNA Natural aluminium

DBL Black



DBR Brass coloured

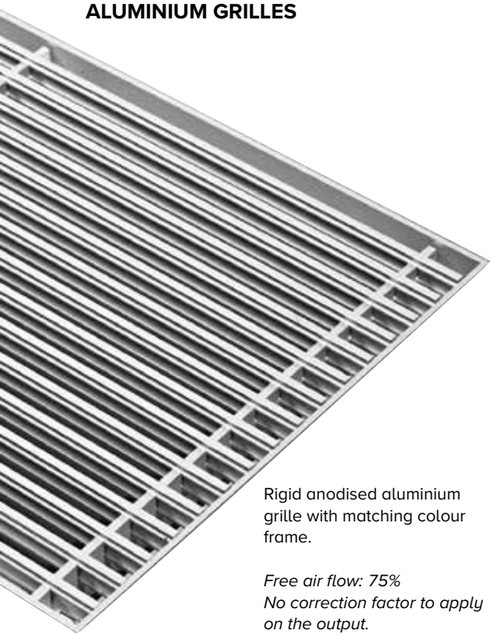
DDB Dark brown

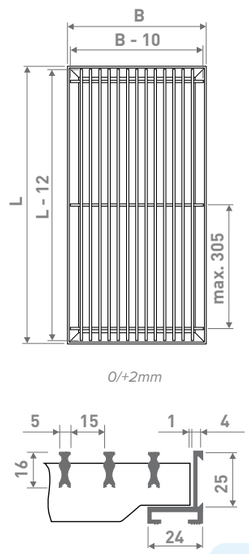


DNC/XXX Alu lacquered

All colour options available as per colour chart on pages 76-77. To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.

ALUMINIUM GRILLES





Rigid anodised aluminium grille with matching colour frame.

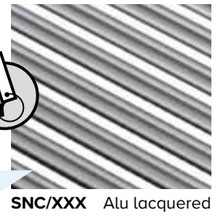
Free air flow: 75%
No correction factor to apply on the output.

SNA Natural aluminium

SBL Black

SBR Brass coloured

SDB Dark brown



SNC/XXX Alu lacquered

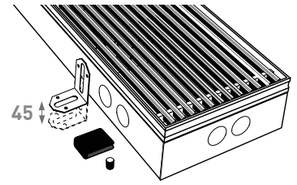
All colour options available as per colour chart on pages 76-77. To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.

Other grille spacings available – contact Jaga for more details.

OPTIONS - MINI CANAL & MINI CANAL HYBRID

HEIGHT CONTROL

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



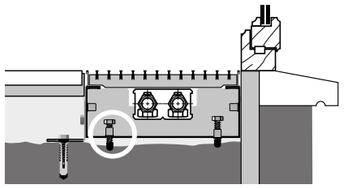
CODE	
7690.01	0 - 45mm
7690.04	45 - 100mm

- 0 to 45mm height adjustment provided as standard with Mini Canal.
- Special height control options available for larger floor voids.

Recommended numbers for length:

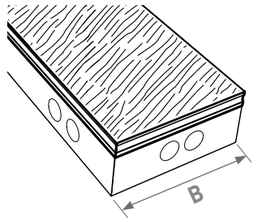
LENGTH	No. of sets
700 to 1200mm	2 sets
1300 to 1900mm	3 sets
2100mm	4 sets
2300 to 3100mm	5 sets
3300 to 3900mm	7 sets
4100mm	8 sets
4300 to 4900mm	10 sets

1 set =



COVER PLATE

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

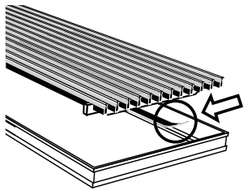


EXAMPLE ORDERING CODE

CODE	LENGTH	WIDTH
7691.000	110	14

CONTACT STRIP

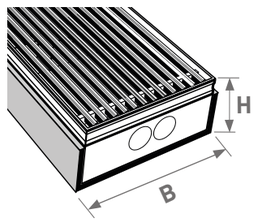
For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5mm. To avoid contact noises. Order the number of rolls required according to the circumference of the frame: (B + L) x 2.



CODE	
7690.02	Roll 6000mm

3-SIDED INSULATION

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

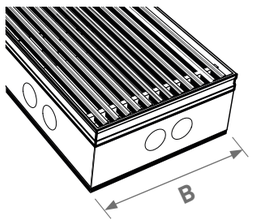


EXAMPLE ORDERING CODE

CODE	HEIGHT	LENGTH	WIDTH
7693.	009	110	014

BASE INSULATION

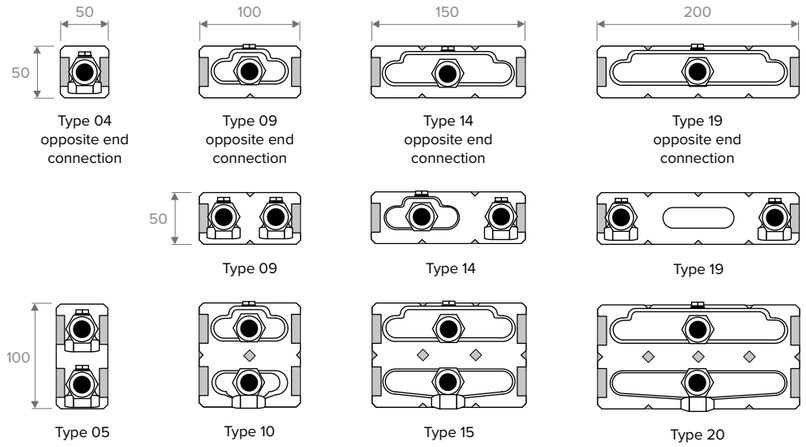
In dark grey extruded EPDM, thickness 5mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)



EXAMPLE ORDERING CODE

CODE	LENGTH	WIDTH
7692.000	110	14

HEAT EXCHANGER OVERVIEW - MINI CANAL & MINI CANAL HYBRID



MINI CANAL

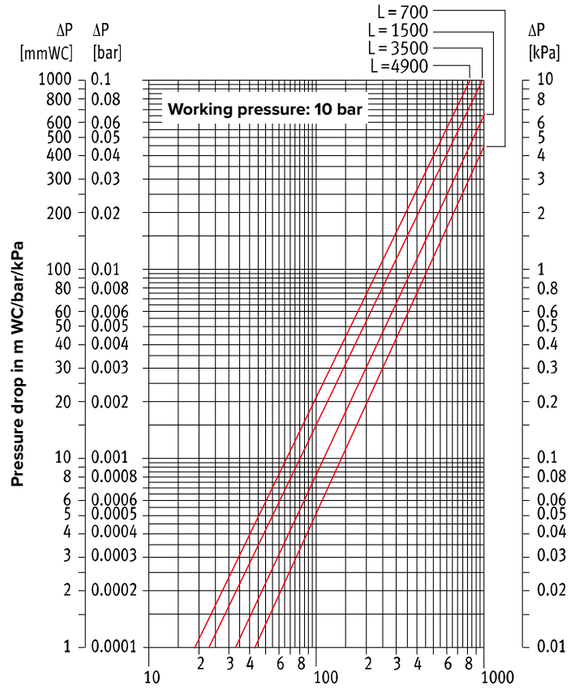
	Height 93mm					Height 113mm					Height 143mm				Height 193mm		
	Width mm					Width mm					Width mm				Width		
Heat Exchanger	140	180	260	340	420	140	180	260	340	420	140	260	340	420	260	340	420
Type 04	✓	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-
Type 05	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-
Type 09	-	✓	✓	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-
Type 10	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	✓	-	-
Type 14	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-	-	-	-
Type 15	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	✓	-
Type 19	-	-	-	-	✓	-	-	-	-	✓	-	-	-	-	-	-	-
Type 20	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	✓

MINI CANAL HYBRID

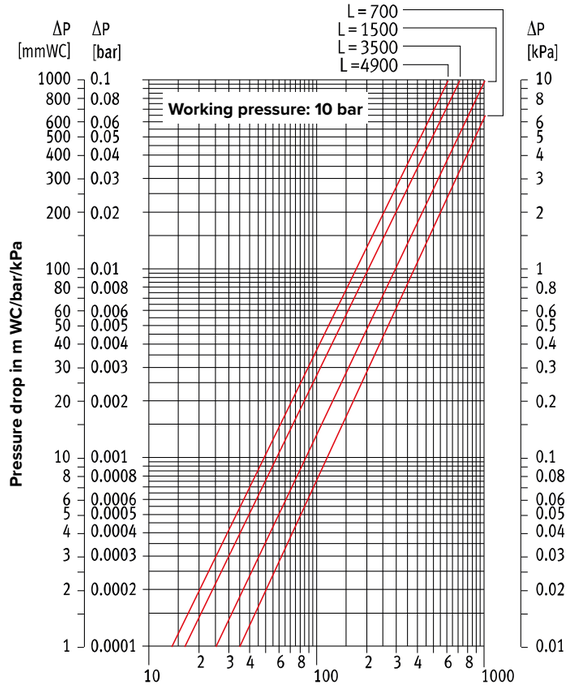
	Height 145mm		
	Width mm		
Heat Exchanger	260	340	420
Type 10	✓	-	-
Type 15	-	✓	-
Type 20	-	-	✓

PRESSURE DROP - MINI CANAL & MINI CANAL HYBRID

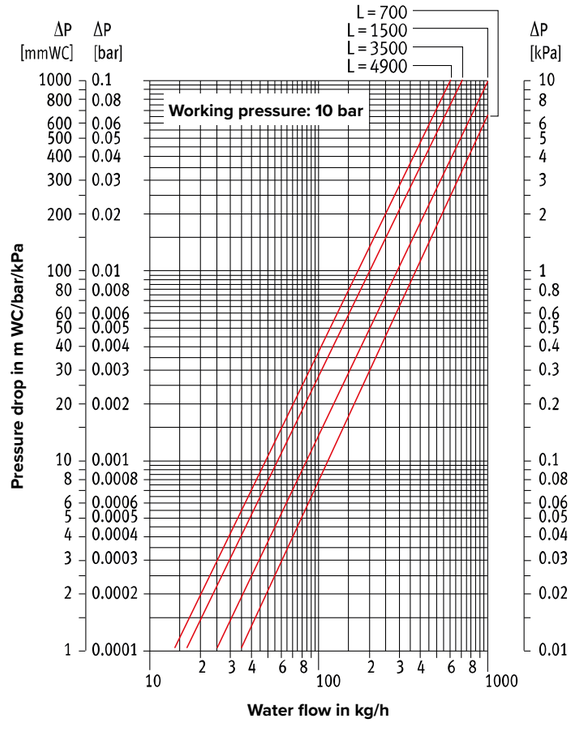
MINI CANAL TYPE 04



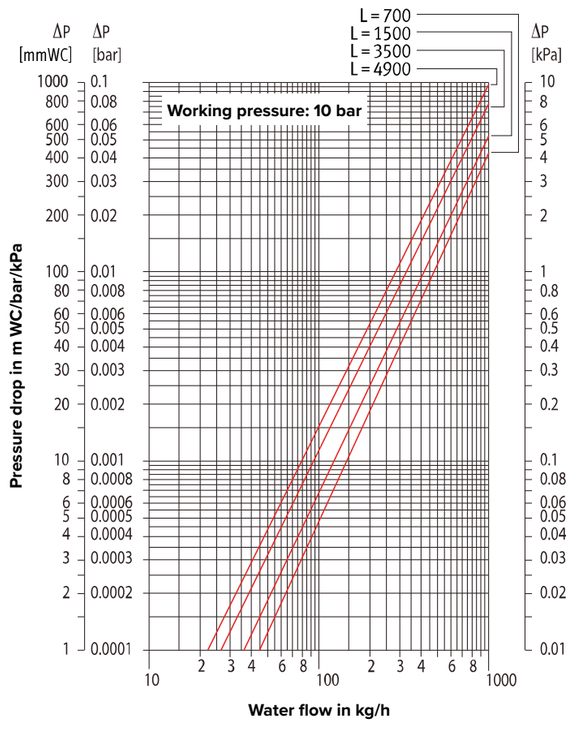
MINI CANAL TYPE 05



MINI CANAL TYPE 09

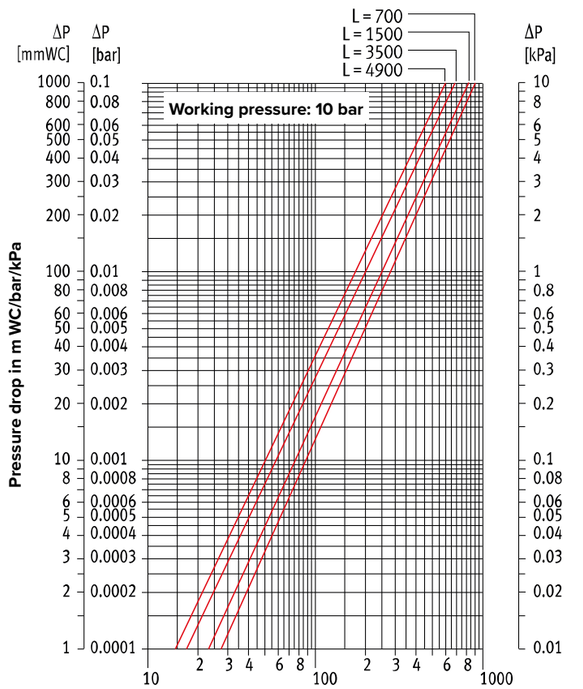


MINI CANAL & MINI CANAL HYBRID TYPE 10

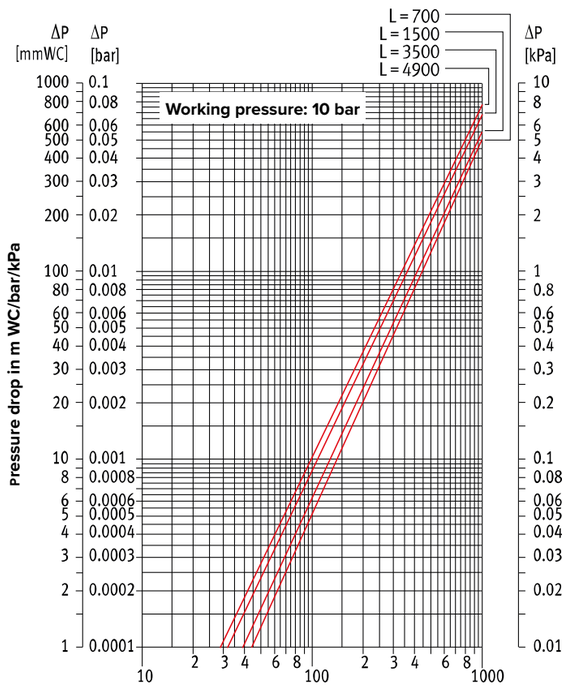


PRESSURE DROP - MINI CANAL & MINI CANAL HYBRID

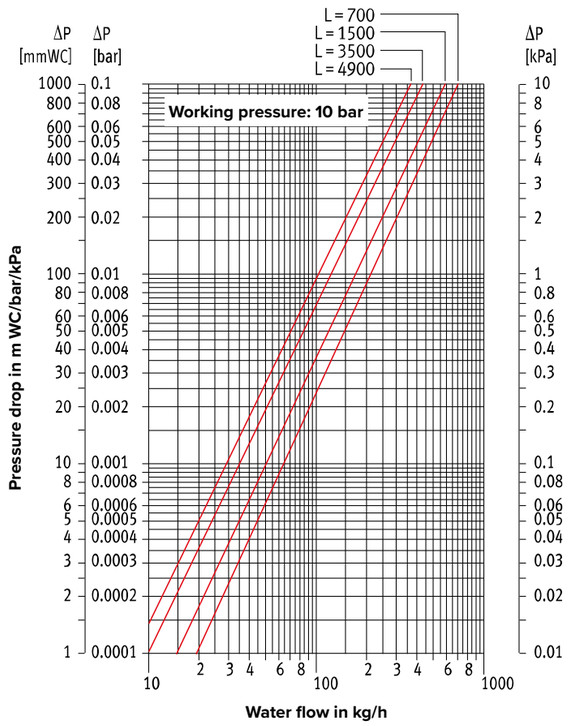
MINI CANAL TYPE 14



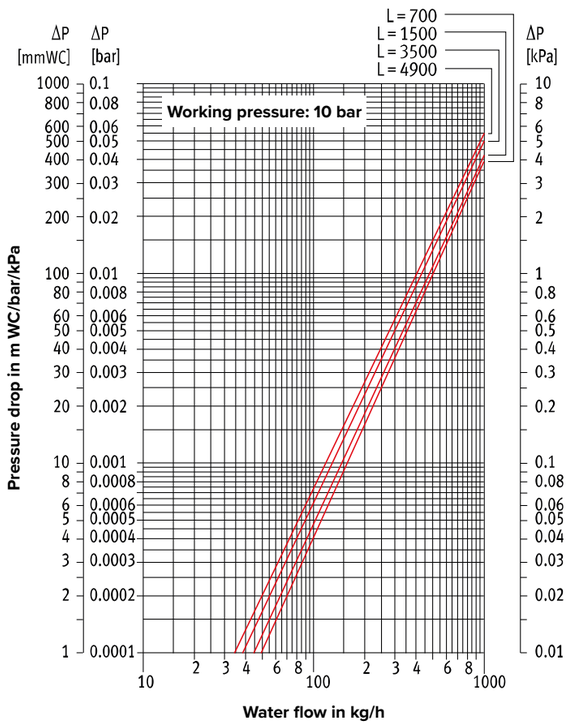
MINI CANAL & MINI CANAL HYBRID TYPE 15



MINI CANAL TYPE 19

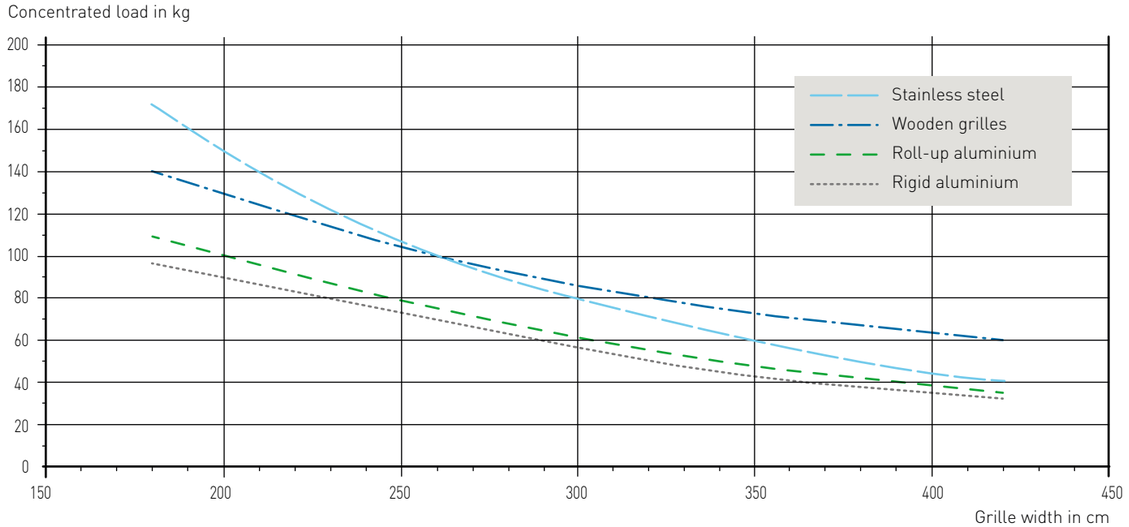


MINI CANAL & MINI CANAL HYBRID TYPE 20



MAXIMUM GRILLE LOADINGS - MINI CANAL & MINI CANAL HYBRID

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



CORRECTION FACTORS - MINI CANAL

AVERAGE CORRECTION FACTORS TO BE APPLIED TO 75/65/20°C OUTPUTS

Room temperature: 20°C — **Average n-value: 1.36**

	Tr	65	60	55	50	45	40	35	30	25
Ta										
75		1.00	0.93	0.85	0.77	0.69	0.61	0.52	0.42	0.31
70		0.94	0.87	0.79	0.72	0.64	0.56	0.48	0.39	0.28
65			0.80	0.74	0.67	0.60	0.52	0.44	0.35	0.25
60				0.68	0.61	0.55	0.48	0.40	0.32	0.23
55					0.56	0.50	0.43	0.36	0.29	0.20
50						0.44	0.38	0.32	0.25	0.18
45							0.34	0.28	0.22	0.15
40								0.24	0.19	0.13
35									0.15	0.10
30										0.07

Room temperature: 24°C — **Average n-value: 1.36**

	Tr	65	60	55	50	45	40	35	30	25
Ta										
75		0.89	0.82	0.75	0.67	0.59	0.51	0.41	0.31	0.16
70		0.83	0.76	0.69	0.62	0.54	0.47	0.38	0.28	0.14
65			0.70	0.64	0.57	0.50	0.43	0.35	0.25	0.12
60				0.58	0.52	0.45	0.38	0.31	0.23	0.11
55					0.47	0.41	0.34	0.28	0.20	0.09
50						0.36	0.30	0.24	0.17	0.08
45							0.26	0.20	0.14	0.06
40								0.17	0.12	0.05
35									0.09	0.03
30										0.02

The indicated outputs with ΔT 50 and ΔT 30 are the exact outputs. ΔT 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

CORRECTION FACTORS - MINI CANAL HYBRID

AVERAGE CORRECTION FACTORS TO BE APPLIED TO 75/65/20°C OUTPUTS (SPEEDS 1, 2 & 3)

For speed 0 use correction factors for Mini Canal as above.

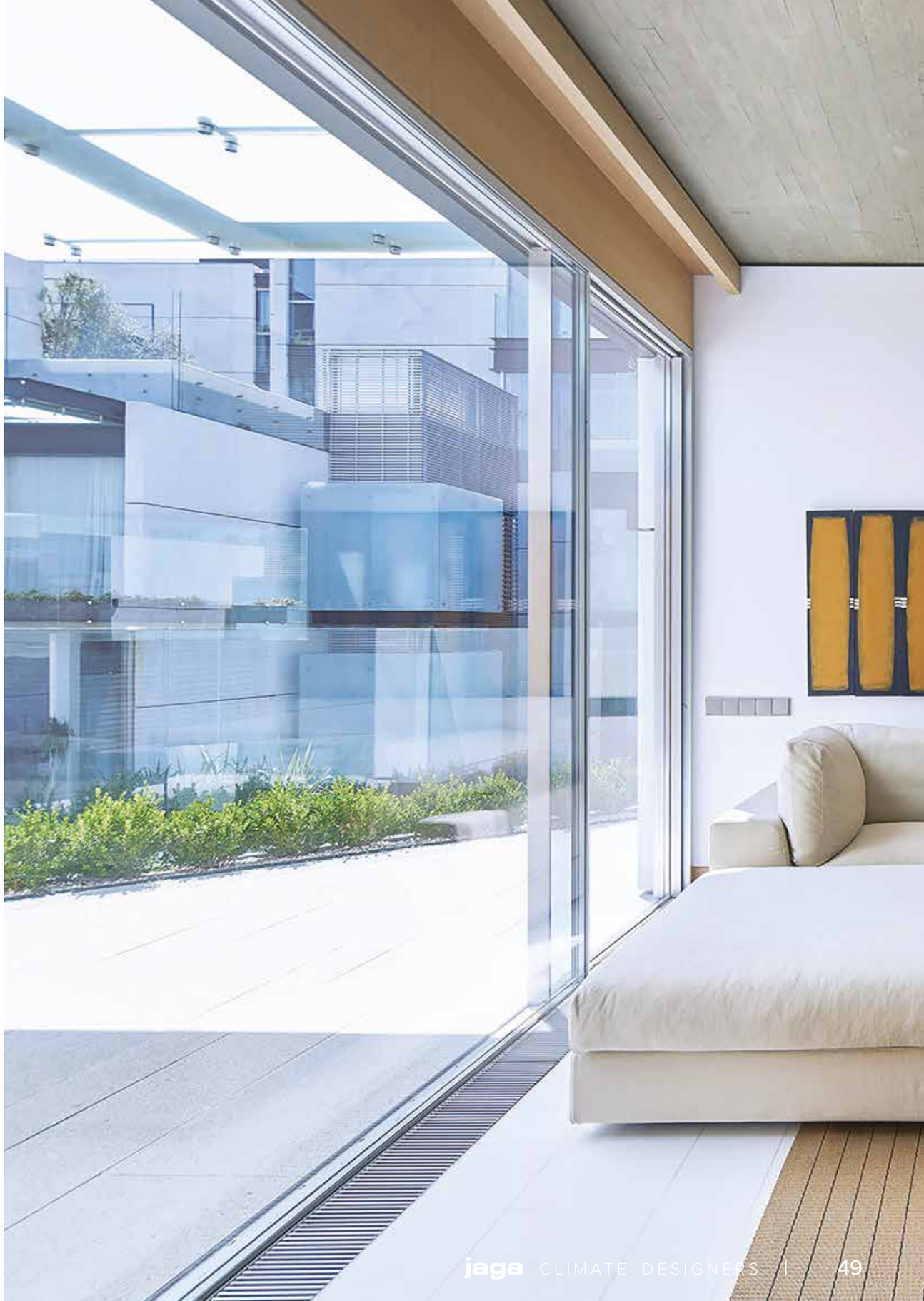
Room temperature: 20°C — **Average n-value: 1.10**

	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. ΔT 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



jaga
CLIMATE DESIGNERS

CLIMA CANAL

Complete climate control

Clima Canal is our top performing trench climate convector. With a dynamic, low water content heat exchanger, and speed controllable fan, it delivers high-power heating, cooling and ventilation.

Available in a wide range of sizes, it's the perfect solution for discreet thermal comfort across a multitude of applications.

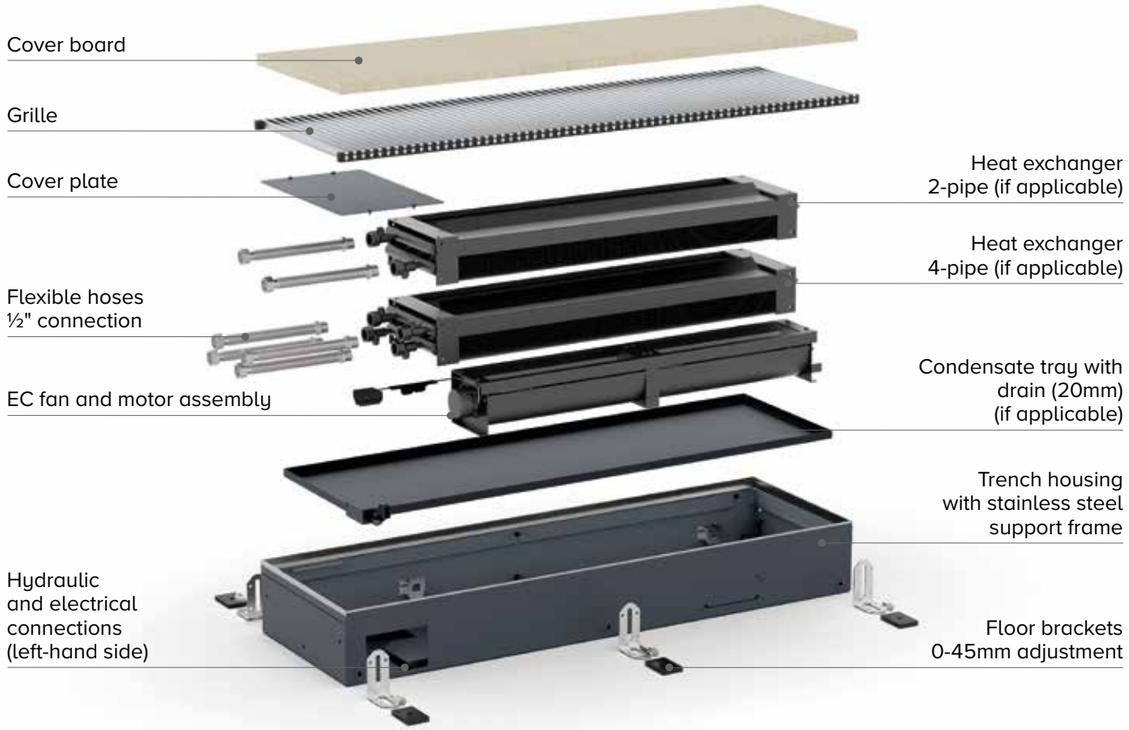
Clima Canal can be tailored to match space fabric flawlessly. Special lengths, heights and angles combine to ensure a seamless and elegant installation.

- Dynamic 2-pipe or 4-pipe heat exchanger
- Low-noise EC motor
- Depths 87mm, 100mm, 130mm and 191mm
- Widths from 180mm to 340mm
- Lengths from 700mm to 3000mm
- Type 08: heating, light cooling and ventilation
- Type 10, 13 and 19: heating, light and deep cooling and ventilation

UK CA

CLIMA CANAL

COMPOSITION - CLIMA CANAL



HEAT EXCHANGER

- 2-pipe system for heating and cooling with one hydraulic circuit
- 4-pipe system for heating and cooling with two dedicated hydraulic circuits
- Standard connection left-hand side
- Manufactured from round, seamless circular pipes in pure copper, connected to pure aluminium fins
- Stainless steel flexible hoses supplied, ½" connection, 150mm long
- Test pressure: 25 bar
- Maximum working pressure: 10 bar

FAN WITH EC MOTOR

- Standard connection left-hand side
- One or more virtually noiseless tangential ventilators
- 24 VDC via external power supply
- 0-10V speed control
- Sendzimir galvanized steel plate cover and integrated stainless steel air filter
- Colour black

CONSTRUCTION

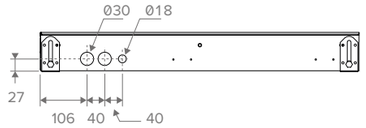
- Trench housing produced in 1mm-thick Sendzimir galvanized steel plate and a telescopically adjustable height adjustment with stainless steel grille support frame
- Coated with a charcoal grey scratch-proof epoxy-polyester lacquer, RAL 7024, 10% gloss
- 0-45 mm height adjustment
- Predrilled apertures for hydraulic and electrical connection
- Delivered fully assembled and ready for installation

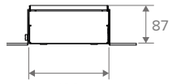
DIMENSIONS - CLIMA CANAL

in mm

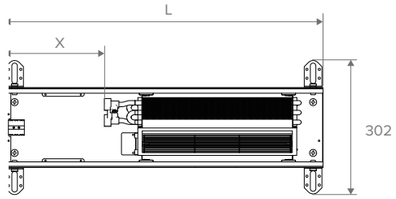
CLIMA CANAL 08

L	L side by side	X
723	721	230
1083	1081	230
1443	1441	185
1803	1801	150



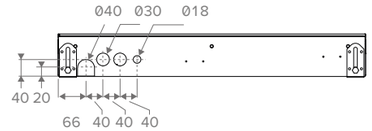


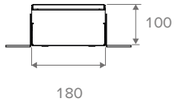
Building in-opening: +5mm

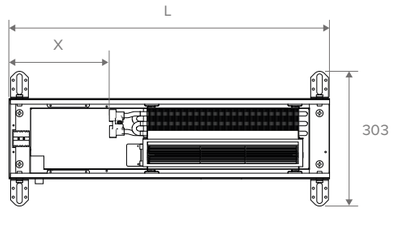


CLIMA CANAL 10

L	L side by side	X
723	721	230
1083	1081	230
1443	1441	185
1803	1801	150



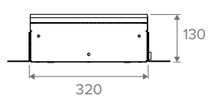


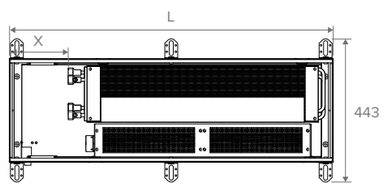


CLIMA CANAL 13

L	L side by side	X
703	700	197
1003	1000	197
1203	1200	197
1403	1400	197
1703	1700	197

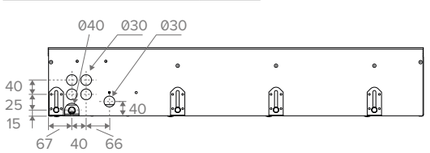
L	L side by side	X
2003	2000	197
2303	2300	197
2803	2800	197
3003	3000	197

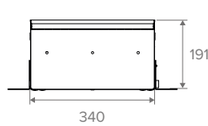


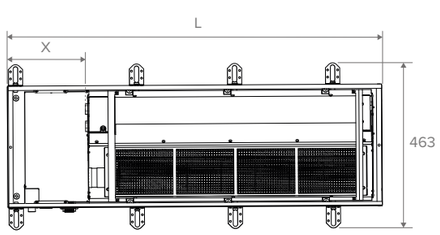


CLIMA CANAL 19

L	L side by side	X
1050	1050	218
1200	1200	218
2000	2000	218
2800	2800	218







PERFORMANCE - CLIMA CANAL

CLIMA CANAL 08 - 2 PIPE

DIMENSIONS			CONTROL VOLTAGE	HEATING				LIGHT COOLING	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		75/65	55/45	45/35	35/30	16/18						
mm	mm	mm	V	Watts	Watts	Watts	Watts	Watts	dB(A)	m³/h	Watts	kg	l	
			2	276	165	108	68	30	14.0	24	0.5			
			4	496	296	195	123	66	15.0	37	0.8			
87	723	180	6	699	417	275	173	104	23.0	52	1.3	6.4	0.12	CLCM.00807218/XXX
			8	891	531	350	220	144	28.0	68	2.1			
			10	1075	641	422	266	185	34.0	79	3.0			
			2	569	339	224	141	62	15.0	42	0.6			
			4	1021	609	401	253	135	19.0	75	1.3			
87	1083	180	6	1438	858	565	356	214	29.0	98	2.7	10.1	0.27	CLCM.00810818/XXX
			8	1834	1094	720	454	296	32.0	125	4.6			
			10	2214	1320	870	548	381	37.0	160	7.1			
			2	894	533	351	221	97	16.0	66	1.1			
			4	1605	957	631	397	212	20.0	112	2.1			
87	1443	180	6	2260	1348	888	559	336	30.0	150	4.0	14.4	0.43	CLCM.00814018/XXX
			8	2881	1718	1132	713	465	35.0	193	6.6			
			10	3479	2075	1367	861	598	39.0	239	10.1			
			2	1219	727	479	302	132	18.0	84	1.2			
			4	2188	1305	860	541	290	22.0	150	2.5			
87	1803	180	6	3082	1838	1211	763	458	32.0	196	5.4	18.8	0.59	CLCM.00818018/XXX
			8	3929	2343	1543	972	634	37.0	250	9.1			
			10	4744	2829	1864	1174	816	41.0	320	14.1			

Outputs measured in accordance with EN16430 - 2014. Room temperature 20°C heating, 27°C cooling. For outputs at different conditions please contact Jaga UK. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A). Part numbers: Substitute XXX with grille type.

PERFORMANCE - CLIMA CANAL

CLIMA CANAL 10 - 2 PIPE

DIMENSIONS			CONTROL VOLTAGE	HEATING				TOTAL COOLING	SENSIBLE COOLING	LIGHT COOLING	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		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	kg	l	
			2	276	165	108	68	59	42	30	14.0	24	0.5			
			4	496	296	195	123	135	96	66	14.0	37	0.8			
100	723	180	6	699	417	275	173	223	161	104	23.0	52	1.3	7.8	0.12	CLCM.01007218/XXX
			8	891	531	350	220	319	234	144	28.0	68	2.1			
			10	1075	641	422	266	414	307	185	34.0	79	3.0			
			2	569	339	224	141	122	87	62	15.0	42	0.6			
			4	1021	609	401	253	275	197	135	19.0	75	1.3			
100	1083	180	6	1438	858	565	356	458	332	214	29.0	98	2.7	12.5	0.27	CLCM.01010818/XXX
			8	1834	1094	720	454	655	480	296	32.0	125	4.6			
			10	2214	1320	870	548	852	632	381	37.0	160	7.1			
			2	894	533	351	221	191	135	97	16.0	66	1.1			
			4	1605	957	631	397	432	309	212	20.0	112	2.1			
100	1443	180	6	2260	1348	888	559	720	521	336	30.0	150	4.0	17.9	0.43	CLCM.01014018/XXX
			8	2881	1718	1132	713	1029	754	465	35.0	193	6.6			
			10	3479	2075	1367	861	1337	992	598	39.0	239	10.1			
			2	1219	727	479	302	261	184	132	18.0	84	1.2			
			4	2188	1305	860	541	591	423	290	22.0	150	2.5			
100	1803	180	6	3082	1838	1211	763	981	711	458	32.0	196	5.4	23.9	0.59	CLCM.01018018/XXX
			8	3929	2343	1543	972	1403	1028	634	37.0	250	9.1			
			10	4744	2829	1864	1174	1825	1354	816	41.0	320	14.1			

Outputs measured in accordance with EN16430 - 2014. Room temperature 20°C heating, 27°C cooling. For outputs at different conditions please contact Jaga UK. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A). Part numbers: Substitute XXX with grille type.

PERFORMANCE - CLIMA CANAL

CLIMA CANAL 13 - 2 PIPE

DIMENSIONS			CONTROL VOLTAGE	HEATING				TOTAL COOLING	SENSIBLE COOLING	LIGHT COOLING	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		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	kg	l	
			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			
130	703	320	6	1031	615	405	255	394	285	175	27.0	85	3.2	14.4	0.6	CCLF.01307032/XXX
			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			
			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			
130	1003	320	6	1955	1166	768	484	746	541	331	29.0	133	3.2	21.6	0.98	CCLF.013010032/XXX
			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			
			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			
130	1203	320	6	2570	1533	1010	636	981	711	435	30.0	174	4.2	26.5	1.23	CCLF.013012032/XXX
			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			
			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			
130	1403	320	6	3186	1900	1252	788	1216	881	539	31.0	218	6.4	31.5	1.48	CCLF.013014032/XXX
			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			
			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			
130	1703	320	6	4110	2451	1614	1017	1569	1137	696	32.0	259	7.4	38.6	1.86	CCLF.013017032/XXX
			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			
			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			
130	2003	320	6	5033	3002	1977	1245	1921	1392	852	32.5	307	7.4	45.8	2.24	CCLF.013020032/XXX
			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			
			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			
130	2303	320	6	5957	3552	2340	1474	2274	1647	1008	33.0	348	8.4	53	2.61	CCLF.013023032/XXX
			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			
			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			
130	2803	320	6	7496	4470	2945	1855	2862	2073	1269	34.0	433	11.6	65	3.24	CCLF.013028032/XXX
			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			
			2	2460	1467	966	609	1156	817	529	25.0	142	4.8			
			4	5441	3245	2138	1346	2165	1550	961	31.0	313	8.0			
130	3003	320	6	8111	4838	3186	2007	3097	2243	1373	35.0	481	14.8	70	3.49	CCLF.013030032/XXX
			8	10471	6245	4113	2591	3869	2836	1764	42.0	638	26.2			
			10	12519	7466	4918	3098	4420	3278	2135	45.0	748	38.8			

Outputs measured in accordance with EN16430 - 2014. Room temperature 20°C heating, 27°C cooling. For outputs at different conditions please contact Jaga UK. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A). Part numbers: Substitute XXX with grille type.

PERFORMANCE - CLIMA CANAL

CLIMA CANAL 13 - 4 PIPE

DIMENSIONS			CONTROL VOLTAGE	HEATING				TOTAL COOLING	SENSIBLE COOLING	LIGHT COOLING	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		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	kg	l	
			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			
130	703	320	6	755	450	297	187	381	276	169	27.0	85	3.2	14.4	H: 0.15 C: 045	QCLF.01307032/XXX
			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			
			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			
130	1003	320	6	1431	853	562	354	721	523	320	29.0	133	3.2	21.6	H: 0.25 C: 0.73	QCLF.013010032/XXX
			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			
			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			
130	1203	320	6	1881	1122	739	466	949	687	421	30.0	174	4.2	26.5	H: 031 C: 0.92	QCLF.013012032/XXX
			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			
			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			
130	1403	320	6	2332	1391	916	577	1176	852	521	31.0	218	6.4	31.5	H: 0.37 C: 1.11	QCLF.013014032/XXX
			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			
			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			
130	1703	320	6	3008	1794	1182	744	1517	1099	672	32.0	259	7.4	38.6	H: 0.47 C: 1.39	QCLF.013017032/XXX
			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			
			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			
130	2003	320	6	3684	2197	1447	912	1857	1346	823	32.5	307	7.4	45.8	H: 0.56 C: 1.68	QCLF.013020032/XXX
			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			
			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			
130	2303	320	6	4360	2600	1713	1079	2198	1592	975	33.0	348	8.4	53	H: 0.65 C:1.96	QCLF.013023032/XXX
			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			
			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			
130	2803	320	6	5486	3272	2155	1358	2766	2004	1226	34.0	433	11.6	65	H: 0.81 C: 2.43	QCLF.013028032/XXX
			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			
			2	2111	1259	829	522	1110	785	508	25.0	142	4.8			
			4	4209	2510	1654	1042	2079	1488	923	31.0	313	8.0			
130	3003	320	6	5937	3541	2332	1469	2993	2169	1327	35.0	481	14.8	70	H: 0.87 C: 2.62	QCLF.013030032/XXX
			8	7294	4350	2865	1805	3773	2766	1720	42.0	638	26.2			
			10	8280	4938	3253	2049	4352	3228	2102	45.0	748	38.8			

Outputs measured in accordance with EN16430 - 2014. Room temperature 20°C heating, 27°C cooling. For outputs at different conditions please contact Jaga UK. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A). Part numbers: Substitute XXX with grille type.

PERFORMANCE - CLIMA CANAL

CLIMA CANAL 19 - 2 PIPE

DIMENSIONS			CONTROL VOLTAGE	HEATING				TOTAL COOLING	SENSIBLE COOLING	LIGHT COOLING	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		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	kg	l	
			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			
190	1050	340	6	2567	1531	1008	635	1069	775	474	27.0	236	4.8	25	1.07	CCAF.019010534/XXX
			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			
			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			
190	1200	340	6	3189	1902	1253	789	1328	962	589	28.0	260	12.1	28.5	1.26	CCAF.019012034/XXX
			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			
			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			
190	2000	340	6	6227	3714	2446	1541	2594	1879	1151	30.5	496	16.9	49.9	2.26	CCAF.019020034/XXX
			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			
			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			
190	2800	340	6	9264	5525	3639	2293	3859	2796	1712	32.1	732	21.7	70.9	3.27	CCAF.019028034/XXX
			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			

Outputs measured in accordance with EN16430 - 2014. Room temperature 20°C heating, 27°C cooling. For outputs at different conditions please contact Jaga UK. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A). Part numbers: Substitute XXX with grille type.

PERFORMANCE - CLIMA CANAL

CLIMA CANAL 19 - 4 PIPE

DIMENSIONS			CONTROL VOLTAGE	HEATING				TOTAL COOLING	SENSIBLE COOLING	LIGHT COOLING	SOUND PRESSURE*	AIR FLOW	POWER CONSUMPTION	WEIGHT	WATER CONTENT	ORDER CODE
H	L	B		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	kg	l	
			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			
190	1050	340	6	1711	1021	672	423	972	704	431	27.0	236	4.8	25	H: 0.27 C: 0.80	QCAF.01910534/XXX
			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			
			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			
190	1200	340	6	2126	1268	835	526	1208	875	536	28.0	260	12.1	28.5	H: 0.32 C: 0.94	QCAF.01912034/XXX
			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			
			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			
190	2000	340	6	4151	2476	1631	1027	2358	1708	1046	30.5	496	16.9	49.9	H: 0.57 C: 1.69	QCAF.01920034/XXX
			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			
			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			
190	2800	340	6	6176	3683	2426	1528	3508	2542	1556	32.1	732	21.7	70.9	H: 0.82 C: 2.45	QCAF.01928034/XXX
			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			

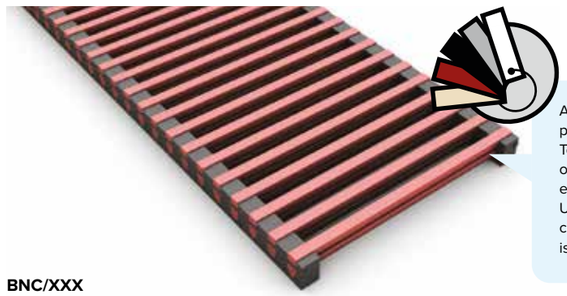
Outputs measured in accordance with EN16430 - 2014. Room temperature 20°C heating, 27°C cooling. For outputs at different conditions please contact Jaga UK. Sound pressure calculated based on sound power measurements in accordance with ISO 3741:2010 and on an assumed room dampening of 8dB(A). Part numbers: Substitute XXX with grille type.

GRILLES - CLIMA CANAL

BENDABLE

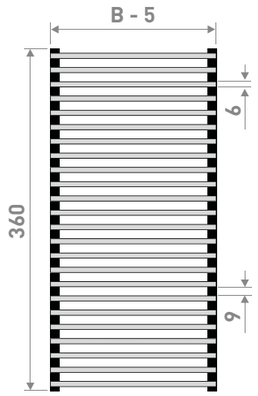
ALUMINIUM GRILLES

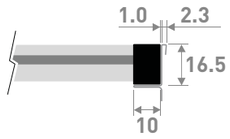
BNA
Alu. natural

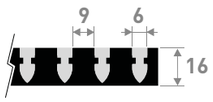


BNC/XXX
Alu. lacquered

All colour options available as per colour chart on pages 76-77. To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.

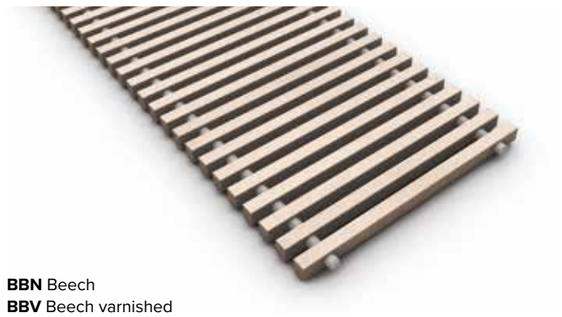




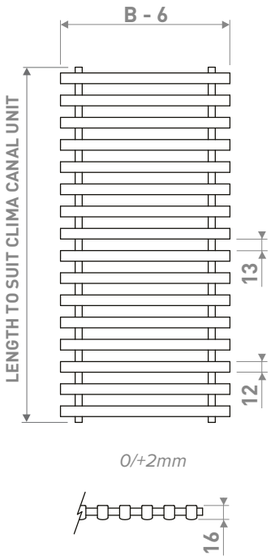


WOODEN GRILLES

BON Oak
BOV Oak varnished



BBN Beech
BBV Beech varnished



OPTIONS - CLIMA CANAL

EMPTY HOUSING

To fill open spaces for a continuous installation.

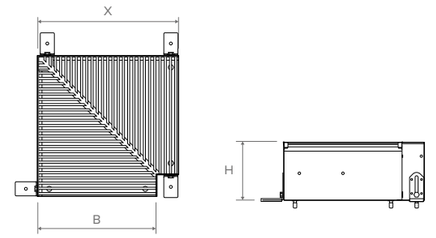
TYPE	CODE
Clima Canal 08	CLCD.008 LLL 18/XXX
Clima Canal 10	CLCD.010 LLL 18/XXX
Clima Canal 13	CLCD.013 LLL 32/XXX
Clima Canal 19	CLCD.019 LLL 34/XXX

- Standard grille options. Please substitute XXX with grille choice.
- Please detail length required in part number. For example length 1500mm substitute LLL with 150.
- Standard empty housing lengths as per standard active unit lengths. Other lengths available on request.

CORNER PIECE

TYPE	X	CODE
Clima Canal 08	240	CLCD.008 025 18/XXX
Clima Canal 10	240	CLCD.010 025 18/XXX
Clima Canal 13	380	CLCD.013 038 32/XXX
Clima Canal 19	403	CCAD.019 040 34/XXX

- Standard grille options. Please substitute XXX with grille choice.
- Please contact Jaga for specific angles and lengths.



VENTILATION

Mounted spigot connector for air supply channel.

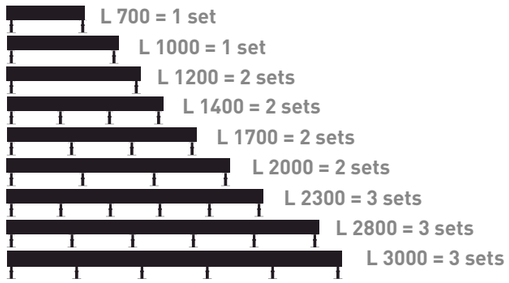
- There are many ventilation connection options for Clima Canal. Please contact us for further information.

OPTIONS - CLIMA CANAL

FEET WITH HEIGHT ADJUSTMENT

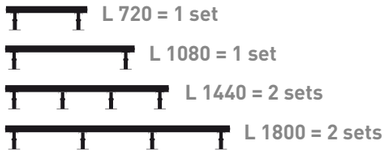
- Lacquered in dark grey RAL 7024.
- Easy installation by means of screws.
- 1 set includes 2 height adjusting controls.

Number of sets per Clima Canal 13



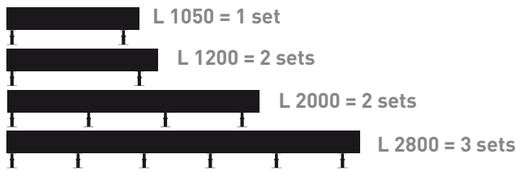
CODE	H
5213.05070000	50 to 70mm
5213.08130000	80 to 130mm
5213.13230000	130 to 230mm
5213.20300000	200 to 300mm

Number of sets per Clima Canal 08 and 10



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

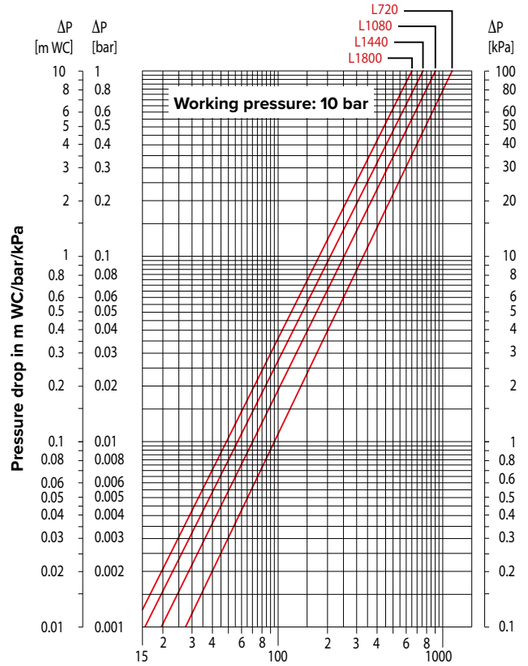
Number of sets per Clima Canal 19



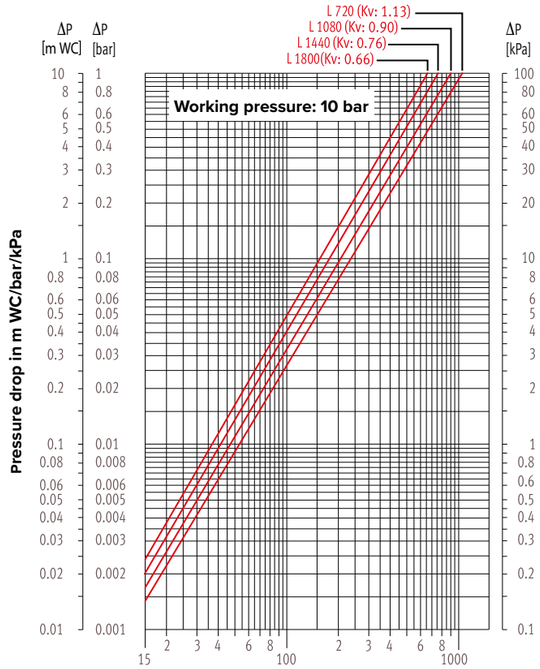
CODE	H
5212.05070000	50 to 70mm
5212.08130000	80 to 130mm
5212.13230000	130 to 230mm
5212.20300000	200 to 300mm

PRESSURE DROP - CLIMA CANAL

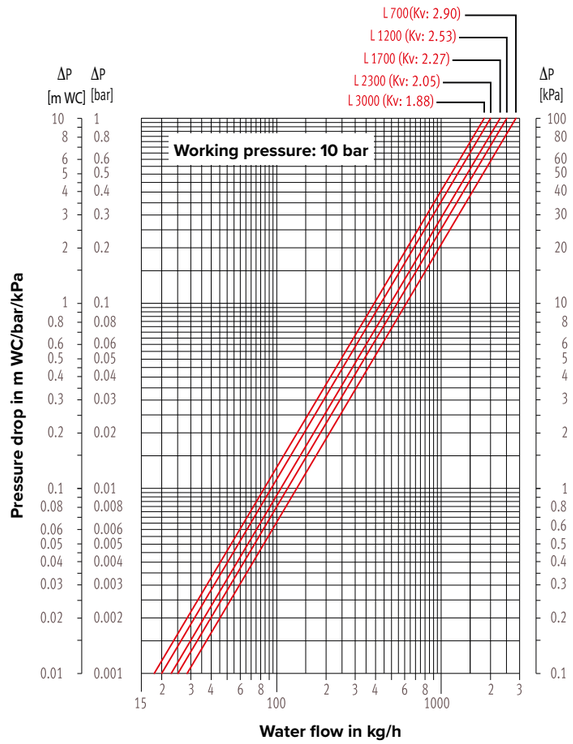
CLIMA CANAL 08 - 2 PIPE



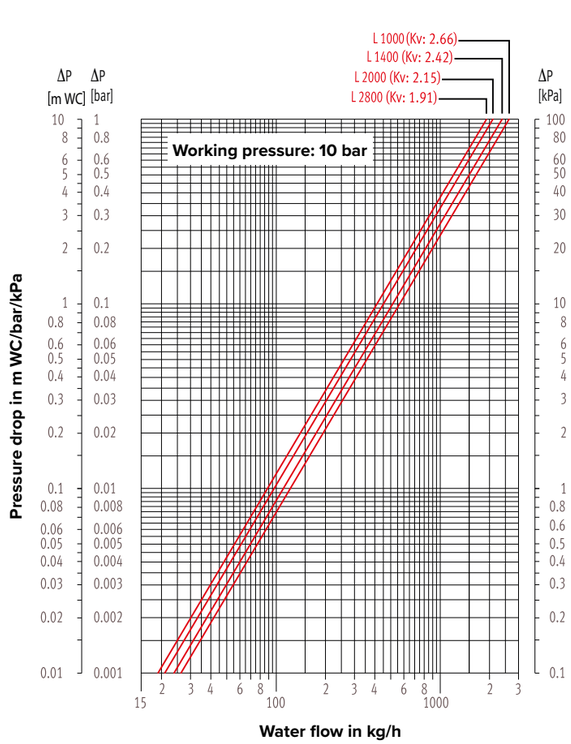
CLIMA CANAL 10 - 2 PIPE



CLIMA CANAL 13 - 2 PIPE (GRAPH 1)

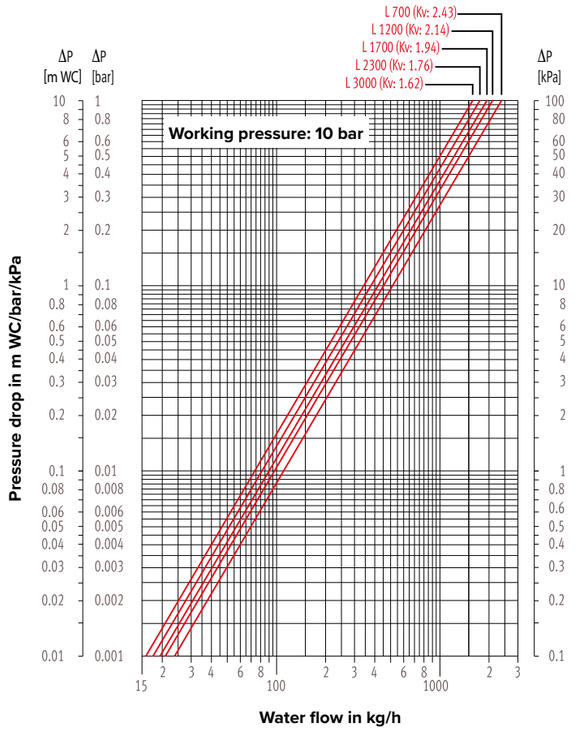


CLIMA CANAL 13 - 2 PIPE (GRAPH 2)

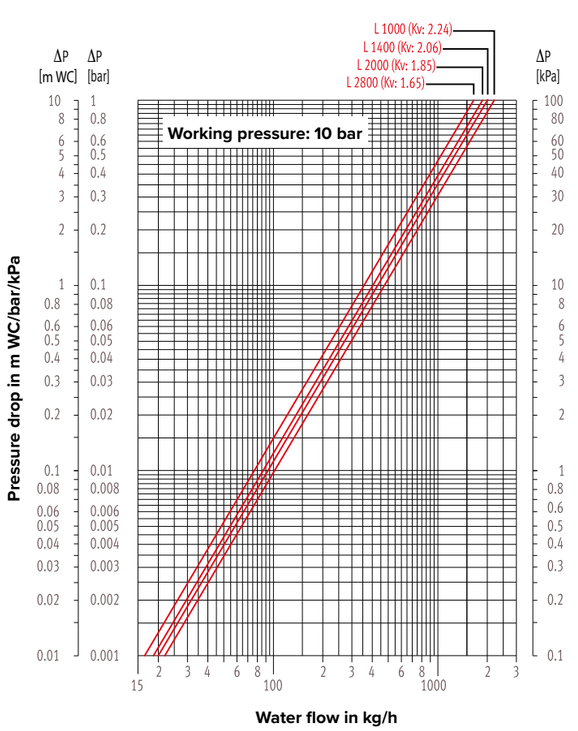


PRESSURE DROP - CLIMA CANAL

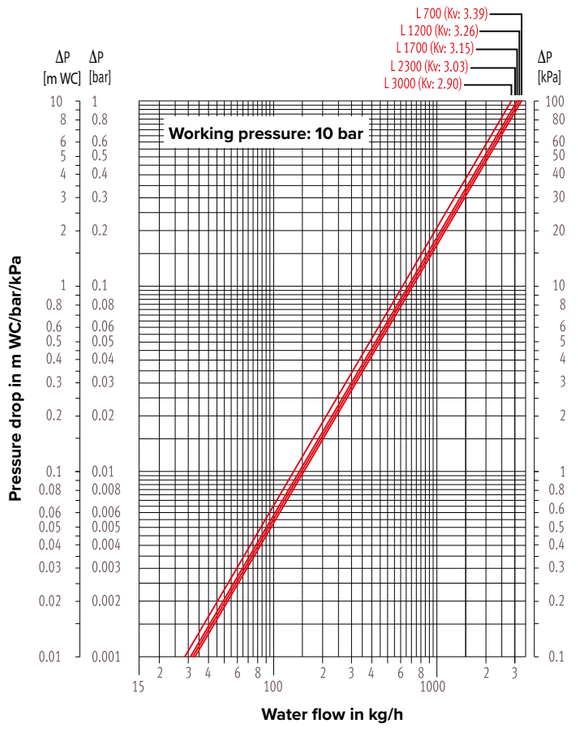
CLIMA CANAL 13 - 4 PIPE - HEATING (GRAPH 1)



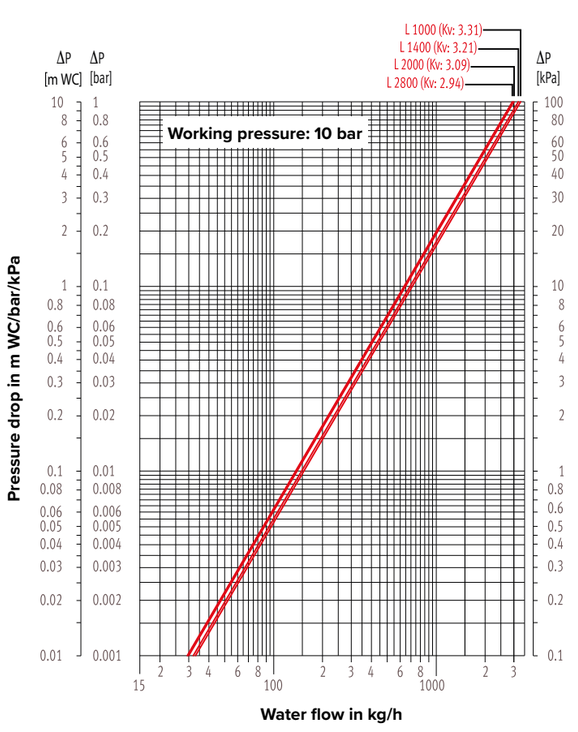
CLIMA CANAL 13 - 4 PIPE - HEATING (GRAPH 2)



CLIMA CANAL 13 - 4 PIPE - COOLING (GRAPH 1)

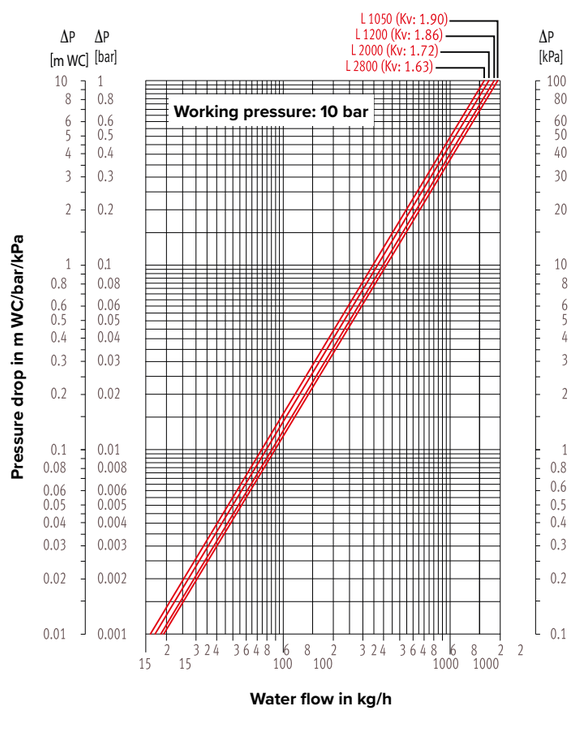


CLIMA CANAL 13 - 4 PIPE - COOLING (GRAPH 2)

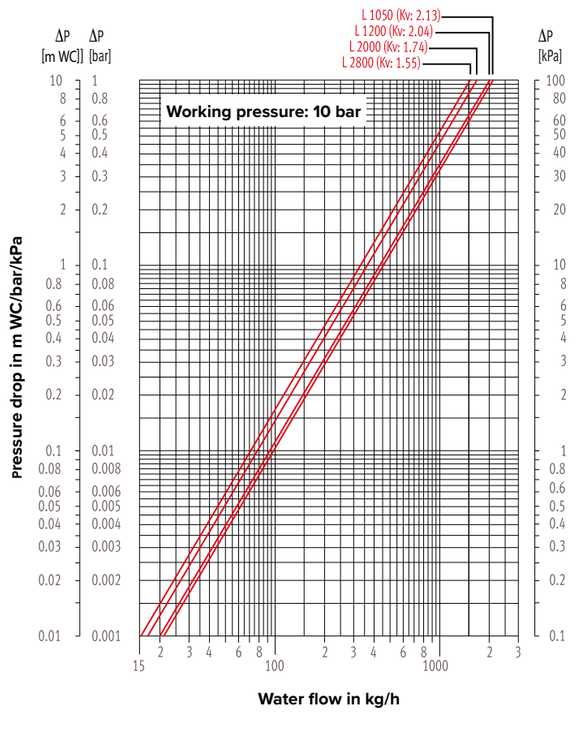


PRESSURE DROP - CLIMA CANAL

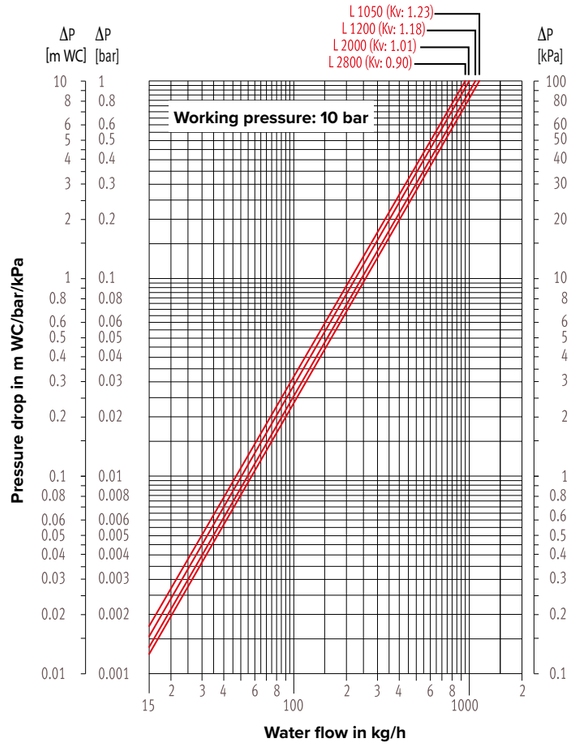
CLIMA CANAL 19 - 2 PIPE



CLIMA CANAL 19 - 4 PIPE - COOLING



CLIMA CANAL 19 - 4 PIPE - HEATING



CORRECTION FACTORS - CLIMA CANAL

AVERAGE CORRECTION FACTORS TO BE APPLIED TO 75/65/20°C OUTPUTS

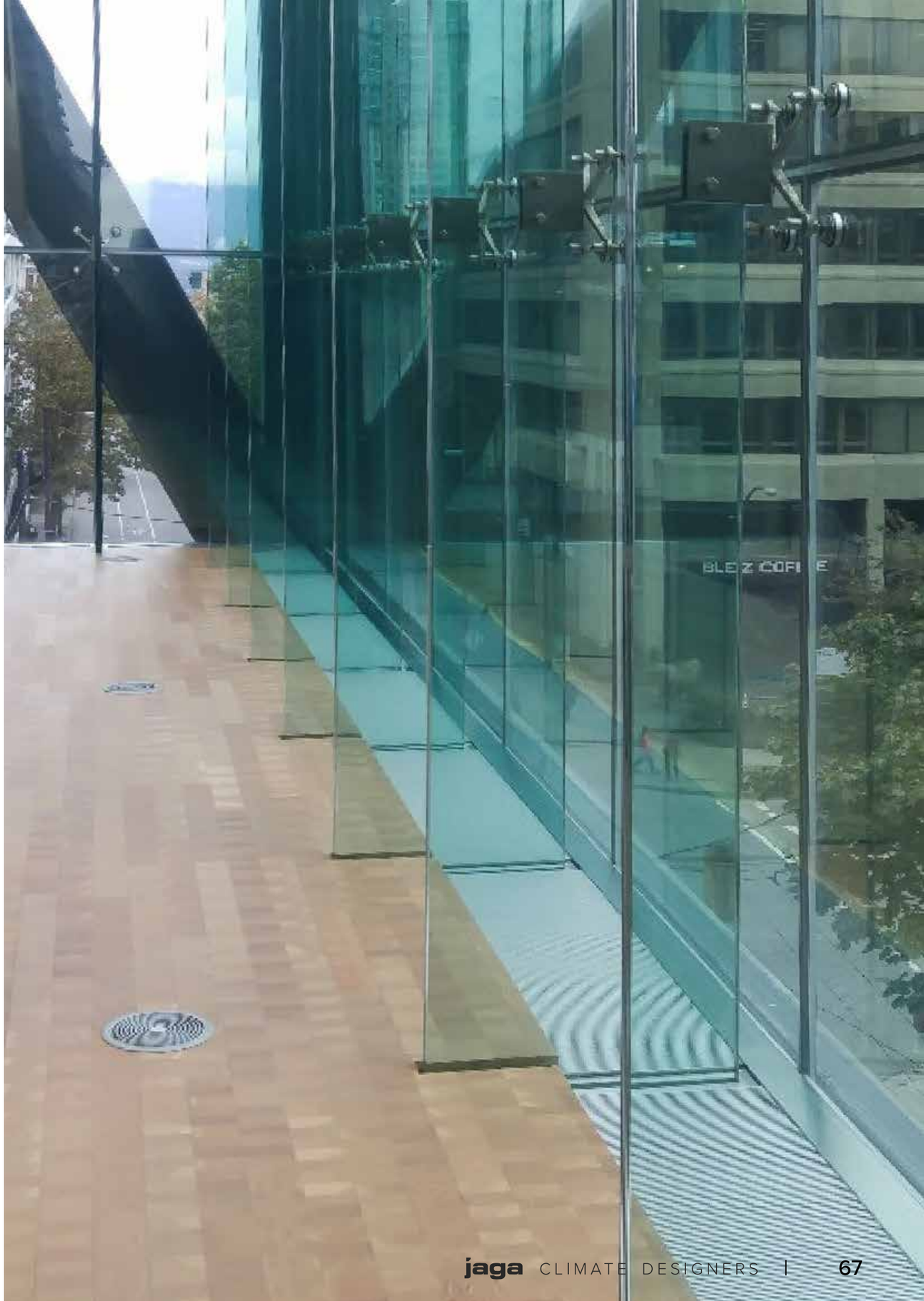
Room temperature: 20°C **Average n-value: 1.04**

	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: 1.04**

	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. ΔT 50 output measured in accordance with EN 16430 and ΔT 30 output calculated according to EN 16430.
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



CONTROLS & VALVES - OVERVIEW

Selecting the correct control strategy is very important for system efficiency, and for the building owner and homeowner.

Control options are plentiful, from a simple manual control, room thermostat, self-regulating integrated controls, to a full building management system. The control strategy and method must take into consideration not just the building, but occupancy, which is often forgotten.

Jaga offers a range of controls and valves that complement most applications and building types.

BUILDING MANAGEMENT SYSTEM

HOME SMART CONTROL

COMMERCIAL BUILDINGS

Commercial properties typically have multiple spaces on multiple floors. Building management systems (BMS) would typically be used to control heating, ventilation and cooling, plus other building services such as lighting and security.

In these circumstances, trench climate convectors would usually be grouped in spaces and controlled collectively with zone valves and thermoelectric drives, with lockshield valves to each individual convector.

ROOM THERMOSTAT

RESIDENTIAL BUILDINGS

When considering full home thermal comfort, again you are looking at multiple spaces and a home smart control system may be used. This is effectively a mini BMS that could control all building systems.

In these applications you would typically have one or two trench climate convectors in each room. A single unit would have its own independent thermostatic valve, lockshield valve and thermoelectric drive. Two, or more, could be controlled collectively with lockshield valves to each unit and one zone valve with thermoelectric drive. Each room would have its own thermostat to operate the relevant drive, thus allowing the flow of hot or chilled water through the convector.

JRT-200

JAGA REMOTE CONTROL

Our remote control units provide optimum and simple control of trench climate convectors.

Designed to be installed in the space they're serving, they enable full functionality and programmability.

JRT-100TW

CONTROLS & VALVES - COMPONENT PARTS

THERMOSTATIC VALVE

A thermostatic valve is connected to the flow side of the heat exchanger and controls the supply of water through it.

This valve can be controlled by different types of valve heads.

- The thermostatic valve and lockshield valve are normally used together.
- They facilitate the balancing of the system and isolation of water on both the flow and return to remove the heat exchanger if required.
- Where the control option requires no thermostatic valve directly to the trench climate convector, a lockshield valve should be fitted in its place.

LOCKSHIELD VALVE

A lockshield valve facilitates the flow of water from the trench climate convector (the return). The valve is manually adjustable from fully open to fully closed.

They can be supplied in a straight or angled configuration.

THERMOSTATIC HEAD

Thermostatic heads are available in many different types. The simple option for Mini Canal is a thermostatic head that screws directly onto the thermostatic valve within the trench duct.

The room temperature can be set on the head, and the valve controls the flow of water to maintain room temperature.

REMOTE THERMOSTATIC HEAD

Offering a more versatile alternative to the fixed head, this option has a screw adaptor that fits onto the thermostatic valve, with a 2m capillary tube to a remote wall-mounted head where the space temperature can be set and room temperature sensed.

THERMOELECTRIC DRIVE HEADS

For all trench climate convectors using Jaga remote controls, a thermoelectric drive head must be used for single units. These are available to suit 24 VDC or 230 VAC.

Alternatively, zone valves and thermoelectric drives can be used to control the flow of water to two units or more.

Jaga currently only supplies a 230 VAC option, but 24 VDC drives are available from plumbers merchants.

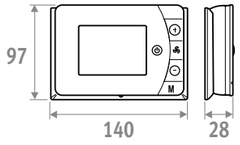
CONTROLS & VALVES - JAGA CONTROL UNITS

Jaga supplies three options for the automatic control of trench climate convectors: JRT-200, JRT-100TW/JRT-100TB or JDPC (Clima Canal only).

These must be used in conjunction with Jaga power supplies, valves, thermoelectric drive heads, or zone valves with thermoelectric drive heads.

JRT-200

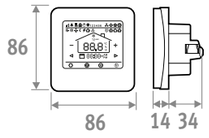
- Suitable for use on all Jaga trench climate convectors
- 2 potential free contacts – 24 VDC or 230 VAC
- Complete with key card contact/window contact
- Wall-mounted digital control unit
- Suitable for 2-pipe and 4-pipe convectors
- Heating and cooling
- Controls valves with thermoelectric drive – 24 VDC or 230 VAC
- Controls fan speed where applicable (0-10V output)
- Fully programmable weekdays and weekend



CODE: 8751.050013					
Power supply	240 AC/DC	Relative humidity	85%	Safety glass	IP30
Power consumption	200 mA	Screen	LCD	Casing	ABS (UL94-5 fire retardant)
Setting range	+10 > +50˚C	Sensor	NTC 10K, 3950 ohm at 25˚C		
Ambient temperature	0 > +50˚C	Accuracy	+1˚C (regulation per step of +0.5˚C)		

JRT-100TW / JRT-100TB

- Suitable for use on all Jaga trench climate convectors
- WiFi and App capability
- Wall-mounted touchscreen digital control unit
- Suitable for 2-pipe and 4-pipe convectors
- Heating and cooling
- Controls valves with thermoelectric drive – 24 VDC
- Controls fan speed where applicable (0-10V output)
- Fully programmable weekdays and weekend



JRT-100TW (WHITE)	**CODE:** 8751.050017				
JRT-100TB (BLACK)	**CODE:** 8751.050019				
Power supply	240 AC/DC	Relative humidity	85% max	Safety glass	IP30
Power consumption	200 mA	Screen	Touchscreen	Casing	ABS (UL94-5 fire retardant)
Setting range	+10 > +30˚C	Sensor	NTC 10K, 3950 ohm at 25˚C		
Ambient temperature	0 > +50˚C	Accuracy	+1˚C (regulation per step of +0.5˚C)		

JAGA DYNAMIC PRODUCT CONTROLLER (JDPC) FOR CLIMA CANAL

The Jaga Dynamic Product Controller (JDPC) is a multifunctional controller for heating and cooling devices and is supplied preconfigured and assembled.

- Heating only and heating/cooling option
- Use standard thermostatic and lockshield valve arrangement for Clima Canal
- Use thermoelectric drive switched by remote thermostat, remote control or BMS
- Designed to sit within the trench duct
- One JDPC per trench climate convector
- Heating: 3 speeds (operates at water temperature ›28°C – this can be modified)
- Cooling: 3 speeds (operates at water temperature ‹18°C – this can be modified)
- 0-10 V input for building management system (please contact Jaga)
- 24 VDC power supply required

CODE:	
DPC.CC24	Heating only
DPC.CC25	Heating and cooling

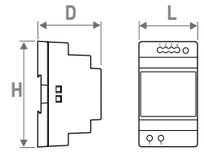
CONTROLS & VALVES - 230 VAC/24 VDC POWER SUPPLIES

Jaga power supplies are required to convert 230 VAC to 24 VDC.

They are always required on Micro Canal and Clima Canal, and will be needed on other products if Jaga remote control units are required, plus valves with thermoelectric drives.

DIN-RAIL POWER SUPPLY

- Input: 100-240 VAC
- Output: 24 VDC
- For DIN-rail
- Screw connection and LED indicator
- Conforms to UL60950 / UL508 / IEC 60950-1 / TUV EN61558-2-16 / Class 2
- Please select based on the combined power consumption of the number of trench climate convectors, based on full speed operation (10V)
- Jaga power supplies must be used to validate product guarantee



CODE	H	L	D	Watts
7990.054	90	35	59	36
7990.055	90	53	59	60
7990.056	90	70	59	92
7990.057	90	103	59	150

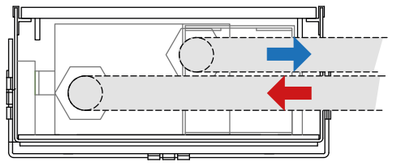
SEPARATE POWER SUPPLY

- Input 100-240 VAC
- Output: 24 VDC
- Waterproof power supply
- Not to be installed within the active trench duct
- Conforms to UL60950 – EN 60950 / Class 2
- Maximum output power 40 Watts or 60 Watts
- Dimensions: L 145mm, W 45mm, H 30mm
- Please select on the basis of the combined power consumption of the number of trench climate convectors, based on full speed operation (10V)
- Jaga power supplies must be used to validate product guarantee

CODE	Output Watts	Output current A
37603.010002	40	1.67
37603.010008	60	2.50

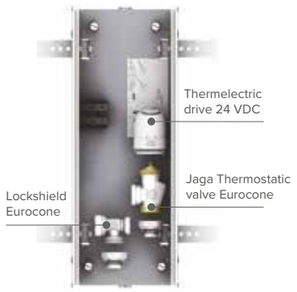
CONTROLS & VALVES - CONNECTION OPTIONS

MICRO CANAL



- **Flow and return to the front.**
- For multiple units using zone valves, two separate lockshield valves should be used.
- Only possible for installation outside of the trench duct.
- When using two separate lockshield valves we recommend fitting them in a 350mm long empty housing (see page 17) to accommodate the connections.

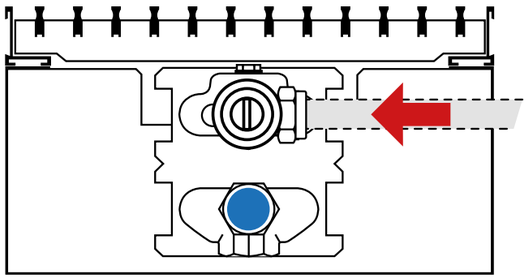
VALVE SECTION



- Micro Canal does not have enough space to fit valves within the trench duct
- This valve section is designed to adjoin a standard Micro Canal heating convector
- Length is 350mm
- Complete with thermostatic valve, lockshield valve, 24 VDC thermoelectric head and electrical terminal block
- Connected with stainless steel flexible connections supplied as standard with Micro Canal

CODE:	
7522.00603514/SSS/VE	stainless steel grille
7522.00603514/SSC/XXX/VE	substitute XXX with grille colour

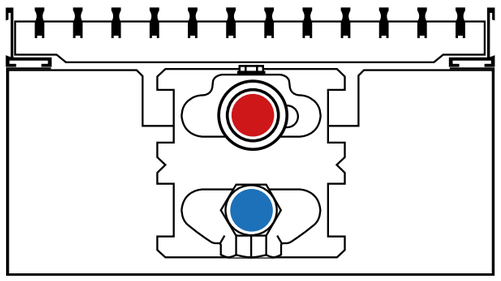
MINI CANAL & MINI CANAL HYBRID



Standalone unit
- Angled thermostatic valve CODE: 5090.405
- Straight lockshield valve CODE: 5090.109

Multiple units using zone valves
- Angled lockshield valve CODE: 5090.110
- Straight lockshield valve CODE: 5090.109

- **Flow to the front, return to the side.**



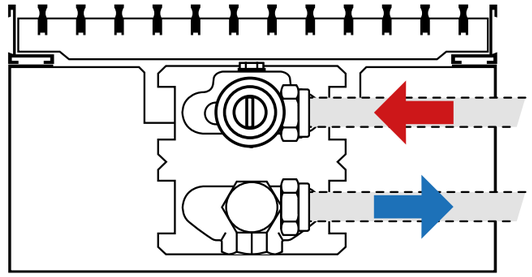
Standalone unit
- Straight thermostatic valve CODE: 5090.4430
- Straight lockshield valve CODE: 5090.4431

Multiple units using zone valves
- Straight lockshield valve CODE: 5090.4431
- Straight lockshield valve CODE: 5090.4431

- **Flow and return to the side.**

CONTROLS & VALVES - CONNECTION OPTIONS

MINI CANAL & MINI CANAL HYBRID - CONT.

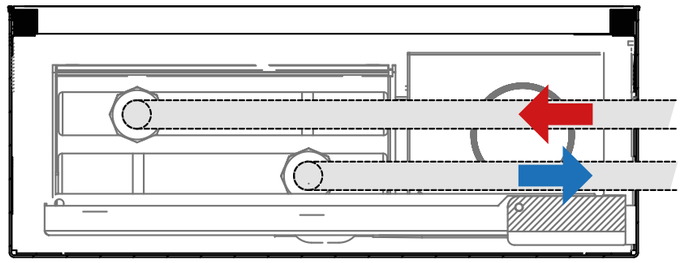


- **Flow and return to the front.**

Standalone unit
- Angled thermostatic valve CODE: 5090.405
- Angled lockshield valve CODE: 5090.110

Multiple units using zone valves
- Angled lockshield valve CODE: 5090.110
- Angled lockshield valve CODE: 5090.110

CLIMA CANAL



- **Flow and return to the front.**

Standalone unit
- Angled thermostatic valve CODE: 5090.405
- Straight lockshield valve CODE: 5090.109

Multiple units using zone valves
- Angled lockshield valve CODE: 5090.110
- Straight lockshield valve CODE: 5090.109

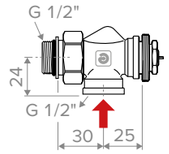
For Clima Canal 4-pipe please allow two of each

PLUG & PLAY CONFIGURATION

- Jaga valves factory fitted
- Available for 2 pipe and 4 pipe units
- Hydraulic connections brought to outside of trench climate convector for ease of installation
- Various control options available
- Electrical connections brought to outside of trench climate convector (control configuration dependent)
- Available with or without pre-fitted power supply
- Contact Jaga for more information

VALVES

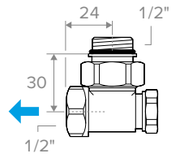
ANGLED THERMOSTATIC VALVE



- Specially shortened thermostatic valve
- ½" female thread
- With presetting in six stages
- With screw thread M30 x 1.5 (Heimeier compatible)
- With synthetic spindle protection for setting on site
- Kv value: 0.10 to 0.60 m^3/h

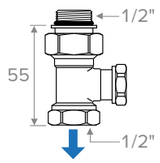
CODE:
5090.405

ANGLED LOCKSHIELD VALVE



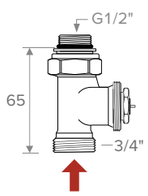
CODE:
5090.110

STRAIGHT LOCKSHIELD VALVE



CODE:
5090.109

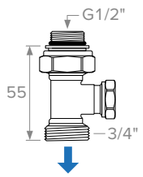
STRAIGHT THERMOSTATIC VALVE



- Straight thermostatic valve
- ½" male thread
- With ¾ Eurocone connection
- With presetting in six stages
- Heimeier compatible
- With synthetic spindle protection for setting on site

CODE:
5090.4430

STRAIGHT LOCKSHIELD VALVE

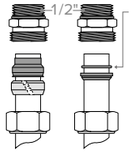


CODE:
5090.4431

SLEEVE COUPLINGS 1/2"

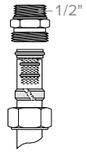
From ½" valve to flow and return pipework

PRECISION METAL TUBE



CODE	Description
5098.110	ø 1/2" x 10/1
5098.112	ø 1/2" x 12/1
5098.114	ø 1/2" x 14/1
5098.115	ø 1/2" x 15/1
5098.116	ø 1/2" x 16/1
5098.118	ø 1/2" x 18/1

SYNTHETIC TUBE

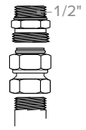


CODE	Description
5098.212	ø 1/2" x 12/2
5098.214	ø 1/2" x 14/2
5098.219	ø 1/2" x 16/1.5
5098.216	ø 1/2" x 16/2
5098.217	ø 1/2" x 17/2
5098.218	ø 1/2" x 18/2

RPE/ALU TUBE

CODE	Description
5098.314	ø 1/2" x 14/2
5098.316	ø 1/2" x 16/2
5098.326	ø 1/2" x 16/2.2
5098.318	ø 1/2" x 18/2

STEEL TUBE

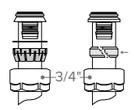


CODE	Description
5094.502	ø 1/2" x 1/2"
5094.504	ø 1/2" x 3/8"

SLEEVE COUPLINGS 3/4" EUROCONE

From ¾" Eurocone valve to flow and return pipework

PRECISION METAL TUBE



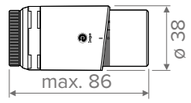
CODE	Description
5094.2112	ø 3/4" x 12/1
5094.2114	ø 3/4" x 14/1
5094.2115	ø 3/4" x 15/1
5094.2116	ø 3/4" x 16/1
5094.2118	ø 3/4" x 18/1

SYNTHETIC OR RPE/ALU TUBE

CODE	Description
5094.2612	ø 3/4" x 12/2
5094.2614	ø 3/4" x 14/2
5094.2616	ø 3/4" x 16/2
5094.2617	ø 3/4" x 17/2
5094.2618	ø 3/4" x 18/2
5094.2619	ø 3/4" x 16/1.5
5094.2620	ø 3/4" x 20/2

THERMOSTATIC HEADS & DRIVES

THERMOSTATIC HEAD - BLACK



- Liquid filled
- Anti-freeze protection 7°C and adjustable from 10°C up to 28°C
- Screw connection M30 x 1.5
- Maximum water temperature 110°C
- Senses temperature within the trench duct, not within the room

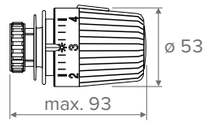
CODE:
5090.1153

REMOTE THERMOSTATIC HEAD

- Length of capillary 2m
- Liquid filled
- Anti-freeze connection 7.5° C and adjustable from 6°C up to 28°C
- Maximum water temperature 120°C

CODE:
5090.1071

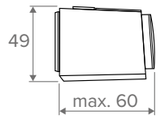
THERMOSTATIC HEAD – HEATING & COOLING (MINI CANAL HYBRID ONLY)



- Liquid filled
- Anti-freeze protection
- Screw connection M30 x 1.5
- Heating mode: from 6°C to 28°C
- 100% water flow for light cooling in summer
- Senses temperature within the trench duct, not within the room
- Head will be visible through the grille

CODE:
5090.1161

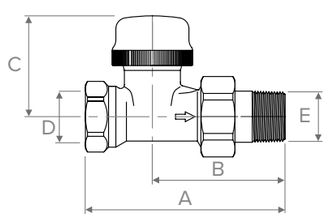
THERMOELECTRIC DRIVE



- Screw connection M30 x 1.5
- Position indicator open and closed
- Cable length 1m
- Maximum water temperature 100°C
- Insulation class: IP54
- With varistor protection
- 230 VAC option should never be installed in trench duct
- Required for all standalone trench convectors where Jaga remote control is used
- JRT-200 – 24 VDC or 230 VAC option
- JRT-100TW / JRT-100TB – 24 VDC option only
- For 4-pipe units two thermoelectric drives will be required

CODE:	
8727.0202	24 VDC
7990.4091	230 VAC

TWO-PORT ZONE VALVE & THERMOELECTRIC DRIVE



Dimensions exclude thermoelectric drive – see item 7990.4091

- Required to control water flow for multiple trench climate convectors
- For installation in the distribution pipework, not in the trench duct
- Position indicator open and closed
- With varistor protection
- BSP connections

CODE:	Description	A	B	C	D	E
7990.409	½" – 230 VAC	82	55	43.5	½"	½"
7990.441	¾" – 230 VAC	97.5	65.5	43.5	¾"	¾"

JAGA COLOURS

Jaga colours are divided into three colour groups:

“Subtle & discreet” includes a selection of neutral colours that discreetly blend our units into the interior.

“Colours of nature” is a collection of 16 colours containing bright, variegated, greyish and pastel shades. From soft natural colours to dark chic. For the bold.

“Precious metals” includes metal lookalikes, in harmony with trends in the world of taps, lighting and bathroom accessories.

Jaga has environmentally-friendly electrostatic powder coating lines. Excess powder is recuperated and no solvents are used during this process. After having been thoroughly pretreated, the units are powder coated and baked. This ensures that the unit is both UV and scratch resistant.

What does the first digit of the colour code stand for?

Code 1xx Soft touch: finely-textured matte look, gloss degree < 10%

Code 2xx Glossy: smooth gloss finish, gloss degree +/- 70%

Code 3xx Satin: smooth satin look, gloss degree +/- 30%

Code 0xx Metal lookalikes: the finish and the degree of gloss simulate the imitated material

Standard colours

133 - 233 - 333 RAL 9016
Traffic white

145 RAL 7021
Off-black

Subtle & discreet

101 - 201 - 301 RAL 9010
Pure white

102 - 202 - 302 RAL 9001
Off-white

103 - 203 - 303 RAL 7035
Light grey

146 - 246 - 346 RAL 7000
Squirrel grey

109 - 209 - 309 RAL 7011
Iron grey

131 - 231 - 331 RAL 7016
Anthracite grey

104 - 204 - 304 RAL 9005
Jet black

Colours of nature

157 NCS S 2005-Y20R
Sandstone

158 RDS 050 70 30
Siena ocher

159 RDS 060 60 60
Honey yellow

160
Chocolate

154 NCS S 1002-Y50R
Soft grey-pink

155 RDS 350 85 10
Millennium pink

111 RAL 3000
Flaming red

156 RAL 3004
Purple red

150 NCS S 1010-R80B
Soft grey-blue

151 RAL 5014
Pigeon blue

152 RAL 5010
Gentian blue

153 NCS S 8010-R90B
Midnight blue

147
Soft green-beige

148 RAL 6021
Pale green

149 RAL 6001
Emerald green

113 RAL 6009
English green

Precious metals

054 RAL 9006
White aluminium coloured

055
Corten steel look

057
Titanium look

058
Rose gold look

059
Gold look

060
Copper look

061
Gunmetal grey look

062
Stainless steel look

063
Silver look

064
Transparent varnish glossy

065
Transparent varnish matte

This colour chart is only indicative. It’s impossible to obtain a 100% exact colour reproduction in printing.
A colour chart can be obtained on request. The rendering of “055 Corten steel look” gives an impression of the end result.
Due to the uniqueness of the surface, the lacquer, and the applied techniques, each device will be unique.

PENDERYN DISTILLERY - MINI CANAL


PRICE WATERHOUSE COOPERS -
MINI CANAL (BREEAM OUTSTANDING)


SKY BELIEVE IN BETTER BUILDING -
MINI CANAL (BREEAM EXCELLENT)


V&A MUSEUM LONDON -
CLIMA CANAL AND OXYGEN


VICTORIA SQUARE - CLIMA CANAL


NETWORK RAIL -
MINI CANAL, MINI CANAL HYBRID


AMPERSAND BUILDING -
MINI CANAL (BREEAM VERY GOOD)


BRIDPORT UNITED CHURCH - MINI CANAL HYBRID


AARDMAN ANIMATIONS - MINI CANAL


MUSEUM OF SOMERSET - MINI CANAL

STRATHCLYDE FIRE & RESCUE - MINI CANAL HYBRID


LANCASTER UNIVERSITY - MINI CANAL


BIRMINGHAM TOWN HALL - CLIMA CANAL


UNIVERSITY COLLEGE LONDON - MINI CANAL

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