

## 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

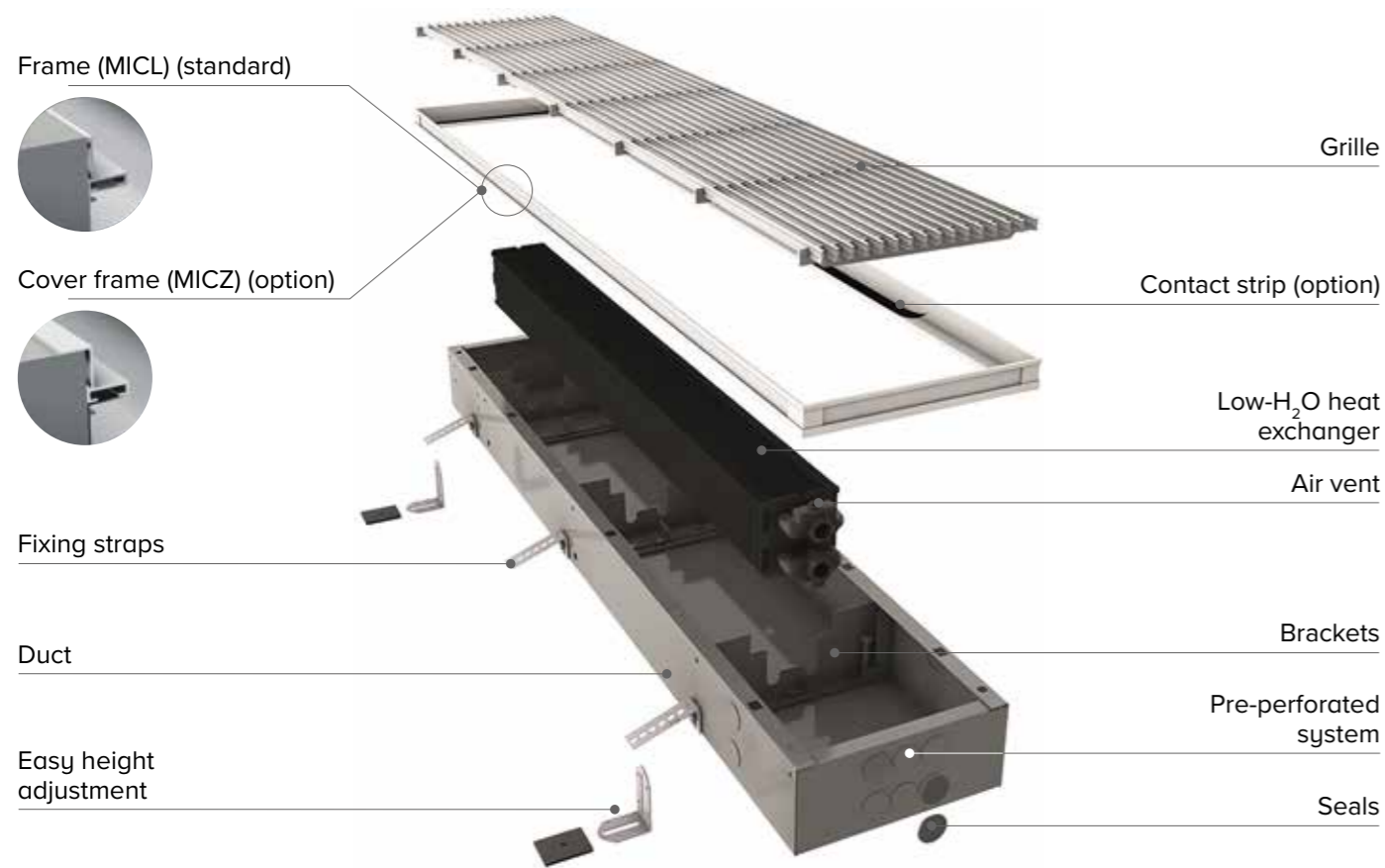
UK  
CA

MINI CANAL



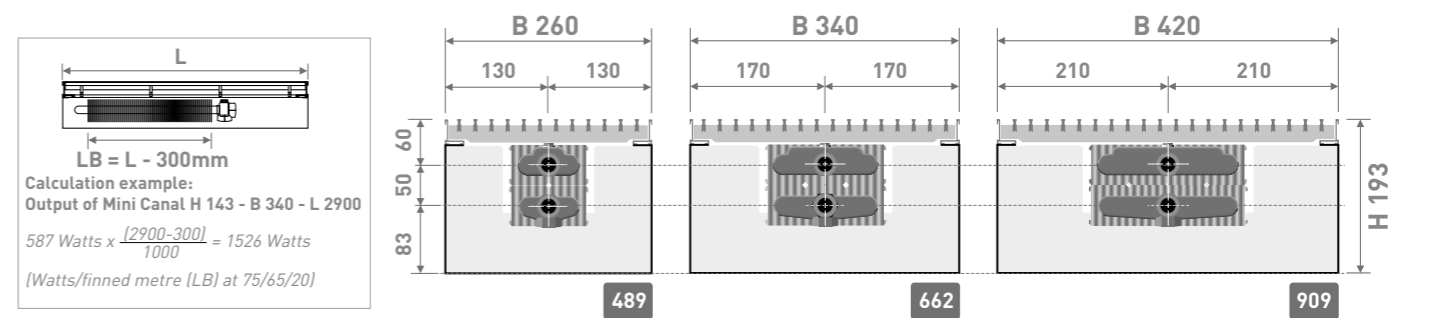
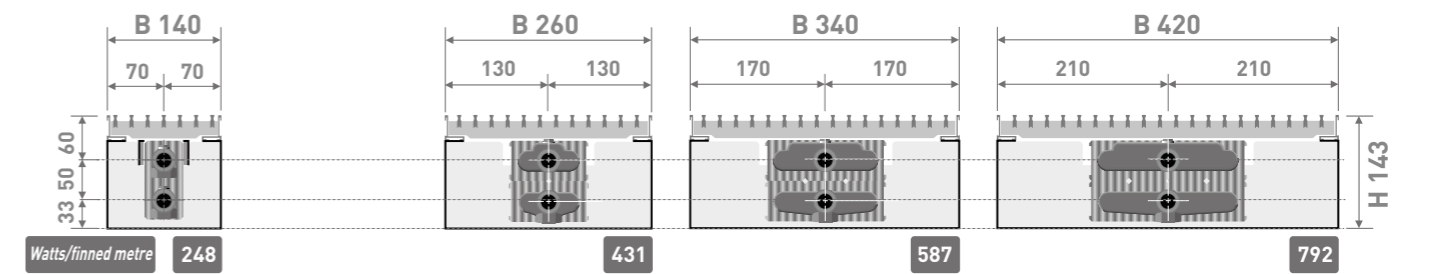
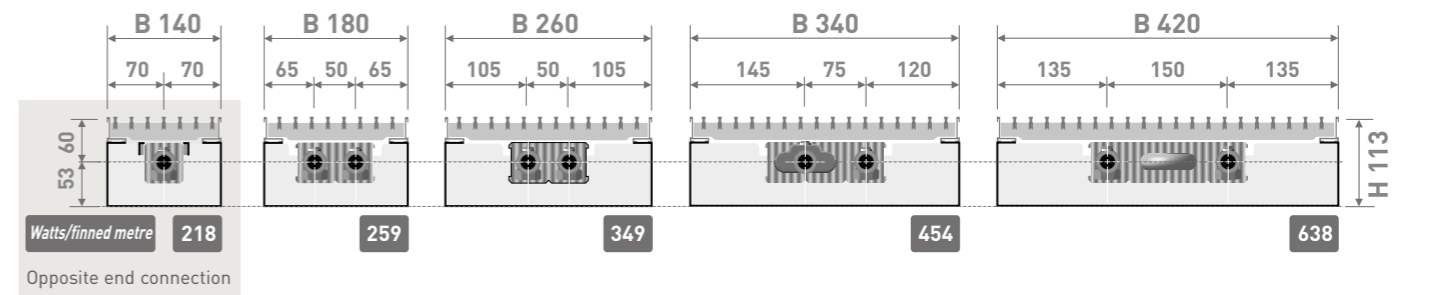
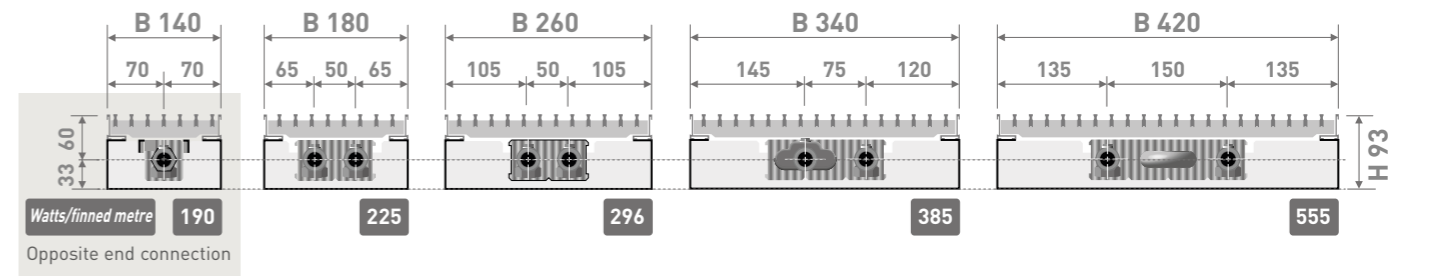
MINI CANAL

# COMPOSITION - MINI CANAL

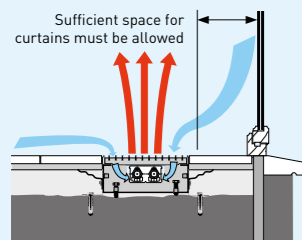


# DIMENSIONS - MINI CANAL

in mm



## 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
- Pre-drilled apertures for hydraulic and electrical connection
- Delivered fully assembled and ready for installation

# 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			
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			
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			
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			
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			
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			
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			
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			
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.

# GRILLES - MINI CANAL & MINI CANAL HYBRID

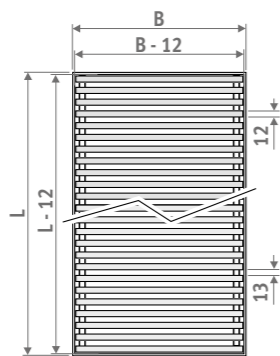
## ROLL-UP

### DESIGNO WOODEN GRILLES

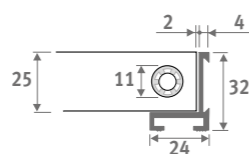


Roll-up natural or varnished grille. Designo model with reduced slat spacing and natural colour anodised aluminium spacers. Frame in natural coloured anodised aluminium.

Free air flow: 52%  
Output correction factor: 0.93



0/+2mm



**DON** Oak natural



**DOV** Oak varnished



**DMN** Merbau natural



**DMV** Merbau varnished



**DBN** Beech natural



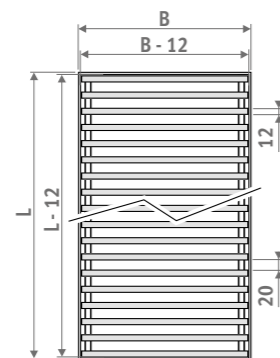
**DBV** Beech varnished

### WOODEN GRILLES

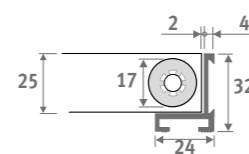


Roll-up natural or varnished grille, with dark brown coloured synthetic spacers. Frame in brown anodised aluminium.

Free air flow: 63%  
Output correction factor: 0.97



0/+2mm



**RON** Oak natural



**ROV** Oak varnished



**RMN** Merbau natural



**RMV** Merbau varnished



**RBN** Beech natural

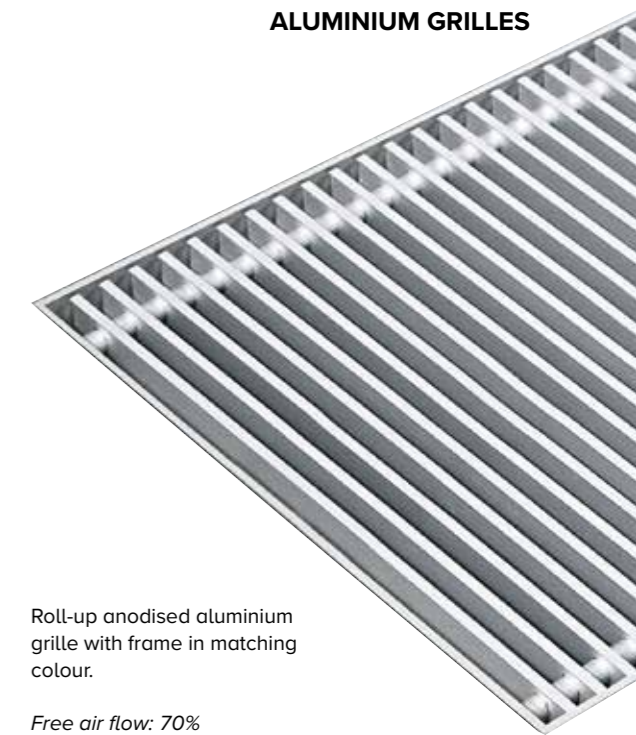


**RBV** Beech varnished

# GRILLES - MINI CANAL & MINI CANAL HYBRID

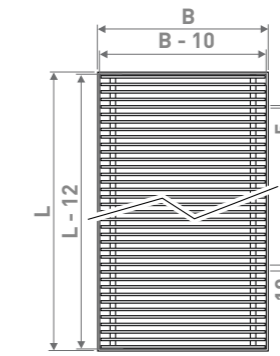
## ROLL-UP

### ALUMINIUM GRILLES

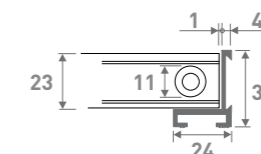


Roll-up anodised aluminium grille with frame in matching colour.

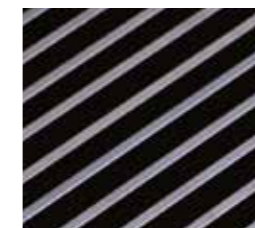
Free air flow: 70%  
No correction factor to apply on the output.



0/+2mm



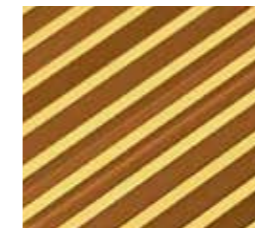
**RNA** Natural aluminium



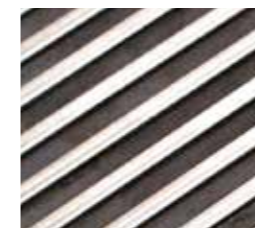
**RBL** Black



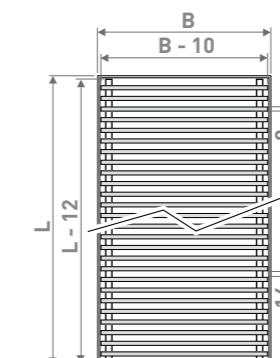
**RDB** Dark brown



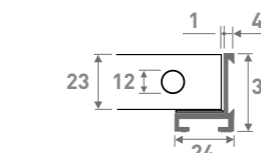
**RBR** Brass coloured



**RSS** Stainless steel



0/+2mm



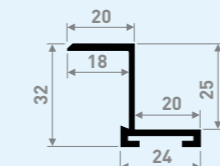
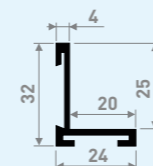
Mini Canal and separate frames are available with L-profile or Z-profile frame.



Frame L-profile



Cover frame Z-profile



### STAINLESS STEEL GRILLES



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

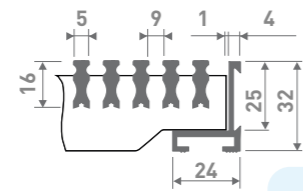
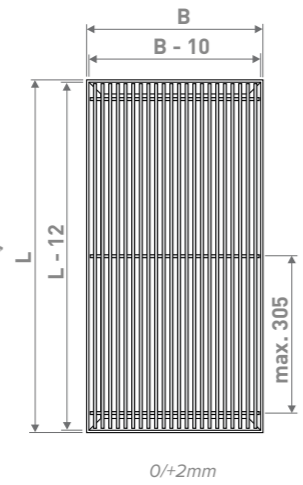
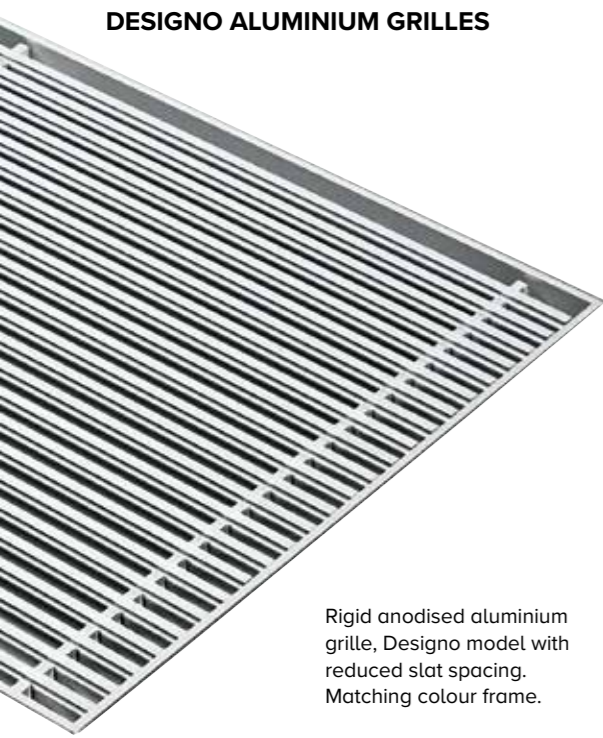
NOTE: Due to weight, lengths are limited. Longer lengths will be delivered in sections to give continuous appearance.

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



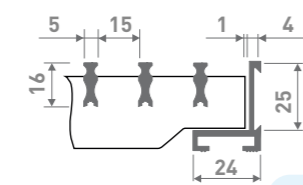
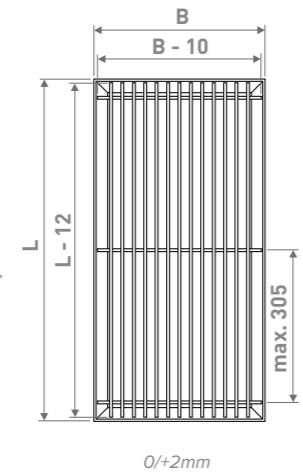
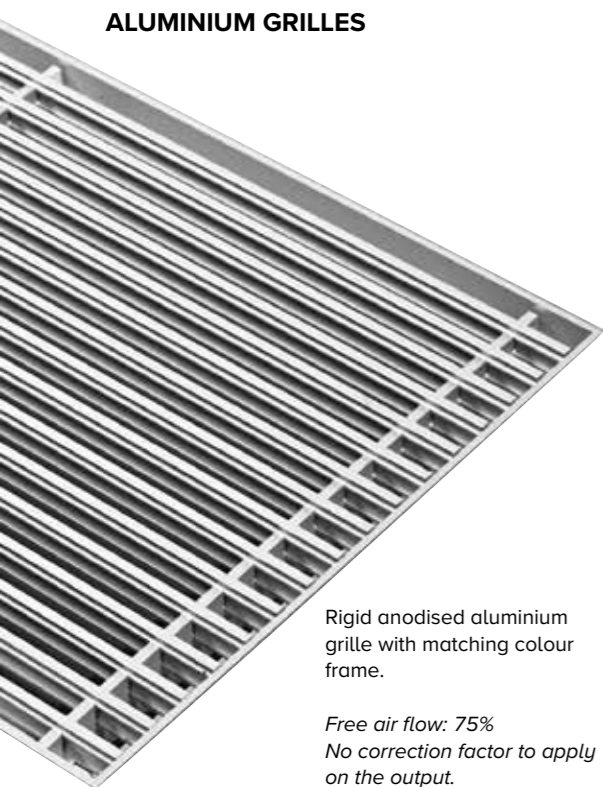
**DDB** Dark brown



**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.



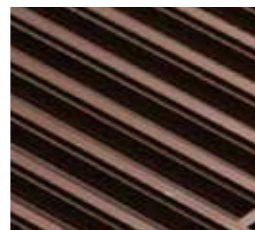
**SNA** Natural aluminium



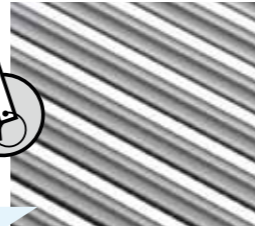
**SBL** Black



**SBR** Brass coloured



**SDB** Dark brown



**SNC/XXX** Alu lacquered

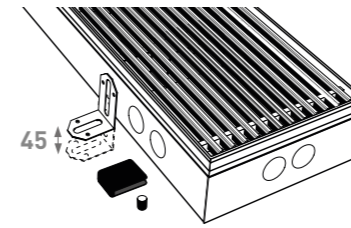
All colour options available as per colour chart on pages 76-77. To ensure perfect adherence of the lacquer coating, an extremely wear-resistant and UV-resistant polyester lacquer coating of the highest quality is used.

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.

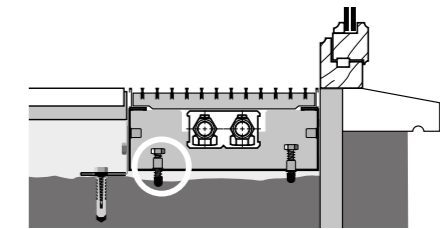
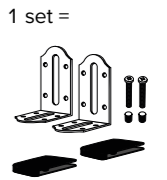


CODE	
7690.01	0 - 45mm
7690.04	45 - 100mm

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

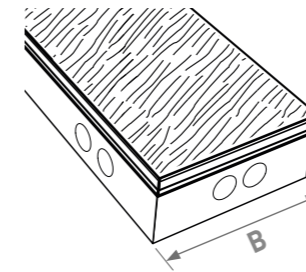
Recommended numbers for length:

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



## COVER PLATE

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

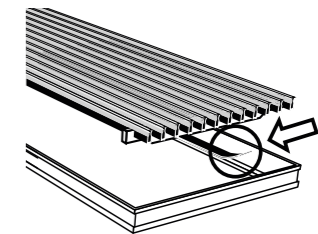


**EXAMPLE ORDERING CODE**

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:  $(B + L) \times 2$ .

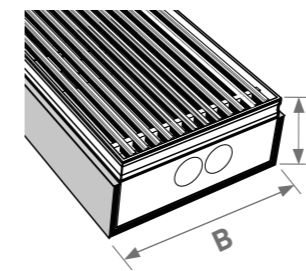


**CODE**

7690.02	Roll 6000mm
---------	-------------

## 3-SIDED INSULATION

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

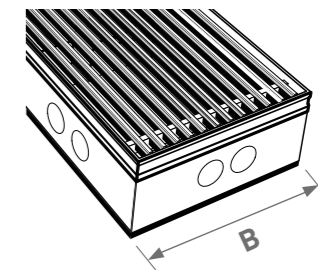


**EXAMPLE ORDERING CODE**

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!)

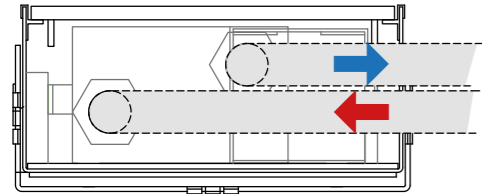


**EXAMPLE ORDERING CODE**

CODE	LENGTH	WIDTH
7692.000	110	14

# 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



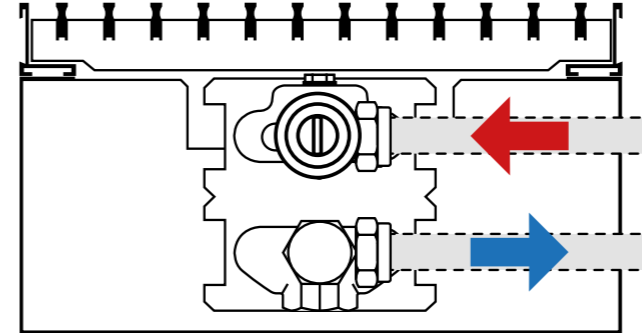
- Micro Canal does not have enough space to fit valves within the trench duct
- This valve section is designed to adjoin a standard Micro Canal heating convector
- Length is 350mm
- Complete with thermostatic valve, lockshield valve, 24 VDC thermoelectric head and electrical terminal block
- Connected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

# CONTROLS & VALVES - CONNECTION OPTIONS

## MINI CANAL & MINI CANAL HYBRID - CONT.



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

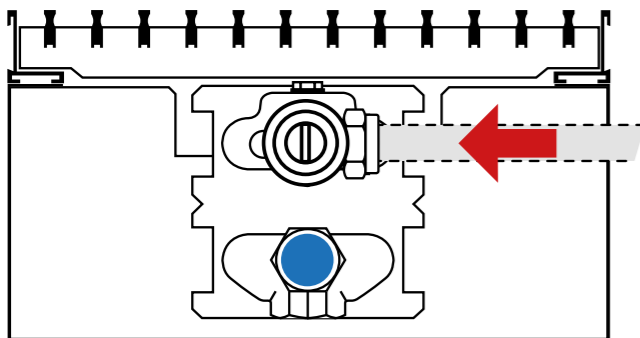
### Standalone unit

- 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

## MINI CANAL & MINI CANAL HYBRID



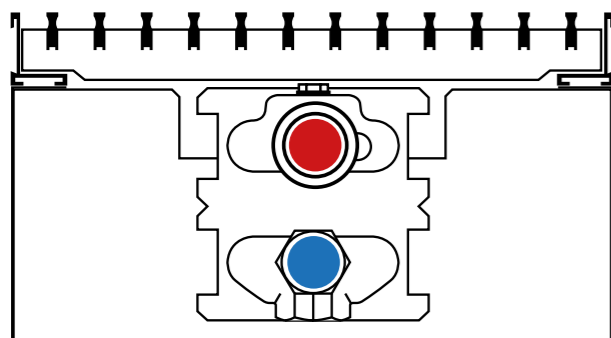
- **Flow to the front, return to the side.**

### 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 and return to the side.**

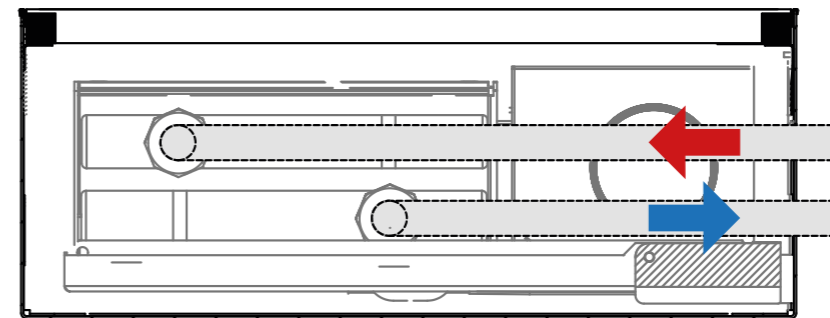
### Standalone unit

- 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

## 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

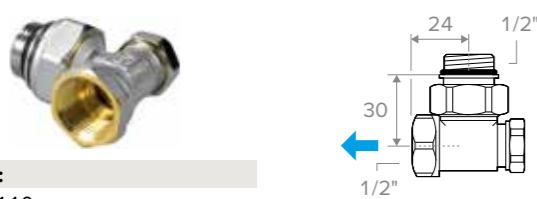
## ANGLED THERMOSTATIC VALVE



- Specially shortened thermostatic valve
- 1/2" 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 m³/h

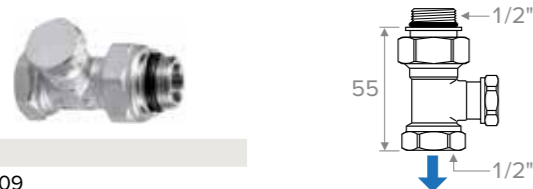
**CODE:**  
5090.405

## ANGLED LOCKSHIELD VALVE



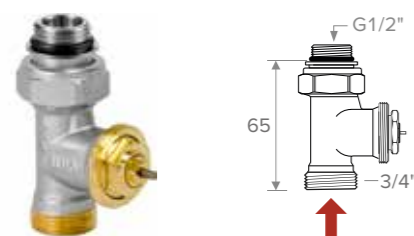
**CODE:**  
5090.110

## STRAIGHT LOCKSHIELD VALVE



**CODE:**  
5090.109

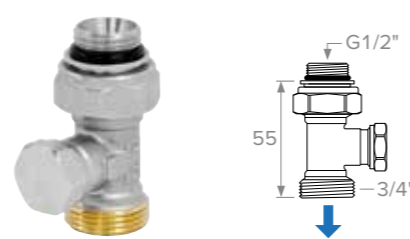
## STRAIGHT THERMOSTATIC VALVE



- Straight thermostatic valve
- 1/2" male thread
- With 3/4 Eurocone connection
- With presetting in six stages
- Heimeier compatible
- With synthetic spindle protection for setting on site

**CODE:**  
5090.4430

## STRAIGHT LOCKSHIELD VALVE

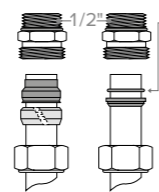


**CODE:**  
5090.4431

## SLEEVE COUPLINGS 1/2"

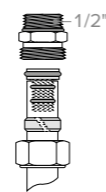
From 1/2" valve to flow and return pipework

### PRECISION METAL TUBE



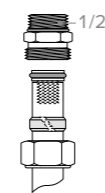
CODE	Description
5098.110	Ø 1/2" x 10/1
5098.112	Ø 1/2" x 12/1
5098.114	Ø 1/2" x 14/1
5098.115	Ø 1/2" x 15/1
5098.116	Ø 1/2" x 16/1
5098.118	Ø 1/2" x 18/1

### SYNTHETIC TUBE



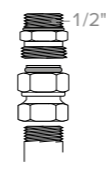
CODE	Description
5098.212	Ø 1/2" x 12/2
5098.214	Ø 1/2" x 14/2
5098.219	Ø 1/2" x 16/1.5
5098.216	Ø 1/2" x 16/2
5098.217	Ø 1/2" x 17/2
5098.218	Ø 1/2" x 18/2

### 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

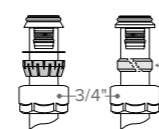


CODE	Description
5094.502	Ø 1/2" x 1/2"
5094.504	Ø 1/2" x 3/8"

## SLEEVE COUPLINGS 3/4" EUROCONE

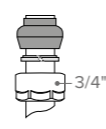
From 3/4" Eurocone valve to flow and return pipework

### 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

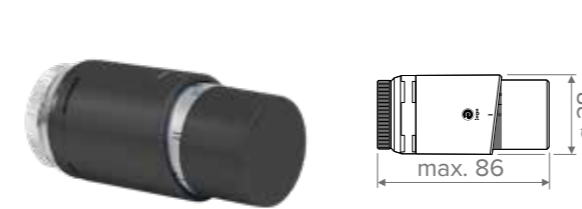
### SYNTHETIC OR RPE/ALU TUBE



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

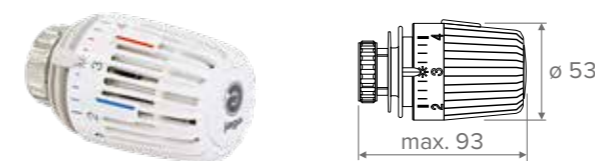
## THERMOSTATIC HEAD - BLACK



- 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

## 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

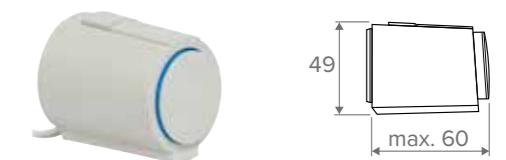
## REMOTE THERMOSTATIC HEAD



- 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

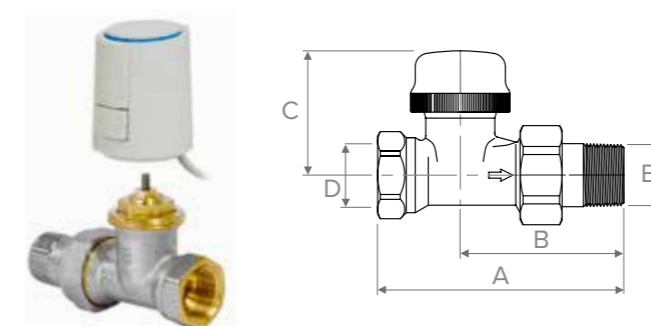
## THERMOELECTRIC DRIVE



- 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	1/2" – 230 VAC	82	55	43.5	1/2"	1/2"
7990.441	3/4" – 230 VAC	97.5	65.5	43.5	3/4"	3/4"