

Technical catalogue decorative and bathroom radiators, fan convectors



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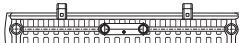


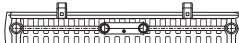







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Type overview

		types
	<p>Kos H 2 connections height [mm]: 400, 600, 750, 900 length [mm]: 450, 600, 750, 900, 1050, 1200, 1350, 1500, 1650*, 1800*, 1950*</p> <p>* except for the Kos H models of height 750 and 900 mm</p>	<p>20 </p> <p>21 </p> <p>22 </p> <p>33 </p>
	<p>Faro H 2 connections height [mm]: 400, 600, 750, 900 length [mm]: 450, 600, 750, 900, 1050, 1200, 1350, 1500, 1650*, 1800*, 1950*</p> <p>* except for the Faro H models of height 750 and 900 mm</p>	<p>20 </p> <p>21 </p> <p>22 </p> <p>33 </p>
	<p>Kos V 4 connections height [mm]: 1800, 1950, 2100 length [mm]: 300, 450, 600, 750</p>	<p>21 </p> <p>22 </p>
	<p>Faro V 4 connections height [mm]: 1800, 1950, 2100 length [mm]: 300, 450, 600, 750</p>	<p>21 </p> <p>22 </p>
	<p>Tinos V 6 connections height [mm]: 1800, 1950, 2100 length [mm]: 300, 450, 600, 750</p>	<p>11 </p> <p>21 </p>
	<p>Paros V 6 connections height [mm]: 1800, 1950, 2100 length [mm]: 300, 450, 600, 750</p>	<p>11 </p> <p>21 </p>
	<p>Vido 2 connections height [mm]: 595 length [mm]: 800, 1000, 1200, 1400, 1600</p>	

	Kos H	Faro H	Kos V	Faro V	Tinos V	Paros V	VIDO
softly profiled flat front panel	-	x	-	x	-	-	-
flat front panel	x	-	x	-	x	x	x
max. working pressure [bar]	6	6	6	6	6	6	10
no. of connectors – side + bottom	2	2	4	4	4	4	2
side connection - GW 3/4"	-	-	-	-	-	-	x
bottom connection – GW 1/2 "	x	x	x	x	x	x	-
mid-bottom connection – GW 1/2 "	-	-	x	x	x	x	-
mounting brackets bundled with the radiator	x	x	x	x	x	x	x
side covers	x	x	x	x	x	x	x
top grille	x	x	-	-	-	-	x
built-in valve insert	x	x	-	-	-	-	-

thermal output of the radiators

Thermal output of the radiators was determined in accordance with PN-EN 442 based on laboratory measurements. The temperatures of 75/65/20 °C were accepted as reference values.

Thermal output of the radiators for other values can be calculated with the following formula:

$$\phi = \phi_n \left[\frac{\Delta t}{\Delta t_n} \right]^n$$

where:

ϕ - thermal output of the radiator [W]

ϕ_n - thermal output of the radiator determined based on measurements in accordance with PN-EN 442 [W]

Δt - logarithmic difference of temperatures [K]

Δt_n - logarithmic difference of temperatures 49.833 [K] calculated for reference temperatures 75/65/20 °C

n - exponent characteristic for a given type of radiator

The logarithmic difference of temperatures is calculated according to the following formula:

$$\Delta t = \frac{t_z - t_p}{\ln \left(\frac{t_z - t_i}{t_p - t_i} \right)}$$

where:

t_z - supply water temperature [°C]

t_p - return water temperature [°C]

t_i - room temperature [°C]

decorative radiators



Kos H

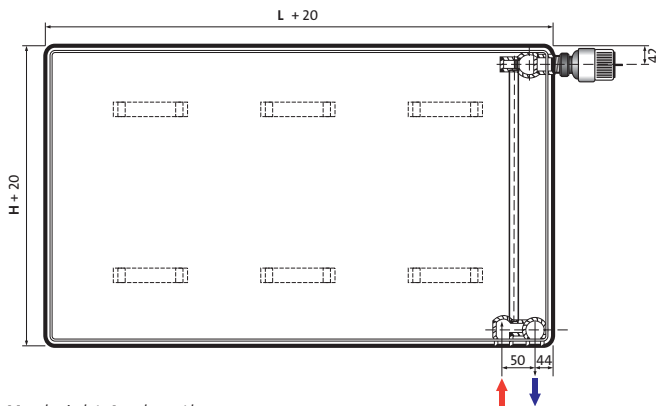
A horizontal decorative radiator with a flat front panel, gently finished edges and a uniquely designed top cover

- Connections : 2 x G ½ " bottom, right side connectors (left side - available on request)
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Installation on brackets : mounting on hanging lugs welded on the rear panel of the radiator
- Accessories bundled with the radiator : two MCW-5 wall brackets including wall plugs and screws, factory installed thermostatic valve (on the right side) and air vent (on the left side).

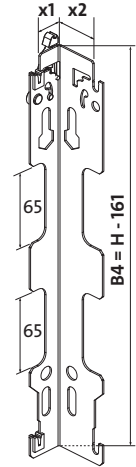
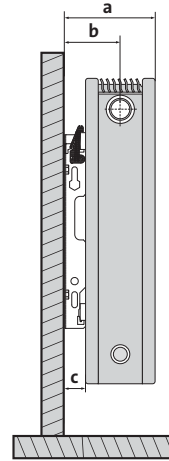


installation with the MCW-5 angle wall brackets

front view



H = height; L = length



water volume and weight

water volume : l/m				
type \ height	400	600	750	900
20	4.44	6.67	8.00	9.33
21	4.76	6.95	8.67	10.38
22	4.76	6.95	8.67	10.38
33	6.73	10.10	11.27	12.44

weight : kg/m				
type \ height	400	600	750	900
20	22.83	32.50	40.19	47.89
21	26.48	37.43	46.67	56.29
22	29.24	42.67	53.52	64.38
33	42.70	62.38	77.19	92.00

number of brackets depending on the type and height of the radiator

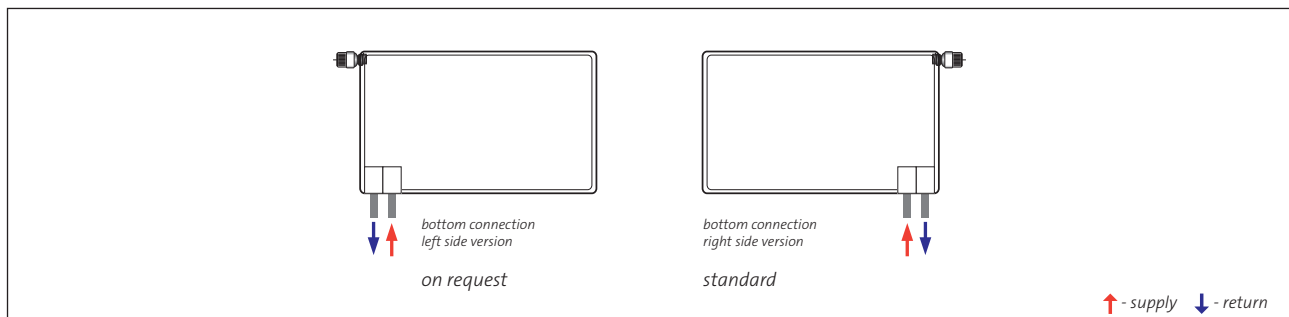
type	height H	length L	2x	3x
20 / 21 / 22	400-600	< 2000	x	
		≥ 2000		x
20 / 21 / 22	750-900	< 1600	x	
		≥ 1600		x
33	400	< 2000	x	
		≥ 2000		x
33	600-900	< 1600	x	
		≥ 1600		x

Shorter arm installation
x1 = 24 mm

Longer arm installation
x2 = 39,5 mm

type	Shorter arm installation (x1 = 24 mm)	Longer arm installation (x2 = 39,5 mm)
type KOS H 20	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
type KOS H 21	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
type KOS H 22	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
type KOS H 33	a : 206 mm b : 84 mm c : 30 mm	a : 122 mm b : 100 mm c : 46 mm

recommended connections





RADIATOR DESCRIPTION - AN EXAMPLE : **KOS H 20 600 1200 L**

KOS H 20

name _____

type _____

height _____

length _____

L : only for the left side version

(no letter: standard, i.e. the right side version)

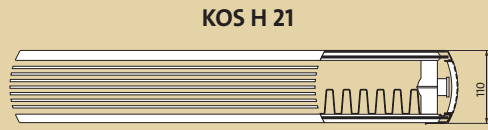
length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	306	428	512	590
	55/45/20 °C	157	221	264	304
600	75/65/20 °C	407	571	683	786
	55/45/20 °C	209	295	352	405
750	75/65/20 °C	509	713	854	983
	55/45/20 °C	262	368	440	507
900	75/65/20 °C	611	856	1024	1179
	55/45/20 °C	314	442	528	608
1050	75/65/20 °C	713	999	1195	1376
	55/45/20 °C	367	515	616	709
1200	75/65/20 °C	815	1141	1366	1572
	55/45/20 °C	419	589	704	810
1350	75/65/20 °C	917	1284	1536	1769
	55/45/20 °C	471	663	792	912
1500	75/65/20 °C	1019	1427	1707	1965
	55/45/20 °C	524	736	880	1013
1650	75/65/20 °C	1120	1569		
	55/45/20 °C	576	810		
1800	75/65/20 °C	1222	1712		
	55/45/20 °C	628	883		
1950	75/65/20 °C	1324	1854		
	55/45/20 °C	681	957		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C exponent n	852 1.2870	1192 1.2801	1427 1.2812	1643 1.2823
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types of the radiators available in stock

RADIATOR DESCRIPTION - AN EXAMPLE : KOS H 21 600 1200 L



name _____
 type _____
 height _____
 length _____
*L : only for the left side version
 (no letter: standard, i.e. the right side version)*



length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	445	602	701	802
	55/45/20 °C	224	303	350	400
600	75/65/20 °C	593	802	934	1070
	55/45/20 °C	299	403	466	534
750	75/65/20 °C	742	1003	1168	1337
	55/45/20 °C	374	504	583	667
900	75/65/20 °C	890	1203	1401	1605
	55/45/20 °C	448	605	700	801
1050	75/65/20 °C	1038	1404	1635	1872
	55/45/20 °C	523	706	817	935
1200	75/65/20 °C	1187	1604	1868	2140
	55/45/20 °C	598	806	933	1068
1350	75/65/20 °C	1335	1805	2102	2407
	55/45/20 °C	673	907	1049	1202
1500	75/65/20 °C	1484	2006	2336	2675
	55/45/20 °C	748	1008	1167	1335
1650	75/65/20 °C	1632	2206		
	55/45/20 °C	822	1109		
1800	75/65/20 °C	1780	2407		
	55/45/20 °C	897	1210		
1950	75/65/20 °C	1929	2607		
	55/45/20 °C	972	1310		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C	1249	1691	1973	2260
exponent n	1.3261	1.3311	1.3433	1.3440

types of the radiators available in stock



RADIATOR DESCRIPTION - AN EXAMPLE : **KOS H 22 600 1200 L**

KOS H 22

name _____
 type _____
 height _____
 length _____
 L : only for the left side version
 (no letter: standard, i.e. the right side version)

length [mm]	parameters t _z / t _p / t _i	height [mm]			
		400	600	750	900
450	75/65/20 °C	573	764	922	1014
	55/45/20 °C	288	378	456	494
600	75/65/20 °C	764	1018	1229	1352
	55/45/20 °C	384	503	608	659
750	75/65/20 °C	956	1273	1536	1690
	55/45/20 °C	480	629	760	824
900	75/65/20 °C	1147	1527	1843	2028
	55/45/20 °C	576	755	912	989
1050	75/65/20 °C	1338	1782	2150	2366
	55/45/20 °C	672	881	1064	1154
1200	75/65/20 °C	1529	2036	2458	2704
	55/45/20 °C	768	1006	1217	1318
1350	75/65/20 °C	1720	2291	2765	3042
	55/45/20 °C	864	1132	1369	1483
1500	75/65/20 °C	1911	2546	3072	3380
	55/45/20 °C	960	1258	1521	1648
1650	75/65/20 °C	2102	2800		
	55/45/20 °C	1056	1384		
1800	75/65/20 °C	2293	3055		
	55/45/20 °C	1152	1510		
1950	75/65/20 °C	2484	3309		
	55/45/20 °C	1248	1635		

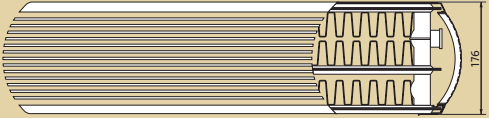
Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C exponent n	1612 1.3318	2158 1.3635	2603 1.3607	2879 1.3897
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types of the radiators available in stock

RADIATOR DESCRIPTION - AN EXAMPLE : **KOS H 33 600 1200 L**

KOS H 33



name _____
 type _____
 height _____
 length _____
 L : only for the left side version
 (no letter: standard, i.e. the right side version)



length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	803	1114	1309	1471
	55/45/20 °C	405	553	646	722
600	75/65/20 °C	1070	1485	1745	1961
	55/45/20 °C	540	738	862	963
750	75/65/20 °C	1338	1856	2181	2451
	55/45/20 °C	676	922	1077	1204
900	75/65/20 °C	1606	2228	2617	2941
	55/45/20 °C	811	1107	1292	1444
1050	75/65/20 °C	1873	2599	3053	3431
	55/45/20 °C	946	1291	1508	1685
1200	75/65/20 °C	2141	2970	3490	3922
	55/45/20 °C	1081	1475	1724	1926
1350	75/65/20 °C	2408	3341	3926	4412
	55/45/20 °C	1216	1659	1939	2167
1500	75/65/20 °C	2676	3713	4362	4902
	55/45/20 °C	1351	1844	2154	2407
1650	75/65/20 °C	2944	4084		
	55/45/20 °C	1486	2029		
1800	75/65/20 °C	3211	4455		
	55/45/20 °C	1621	2213		
1950	75/65/20 °C	3479	4826		
	55/45/20 °C	1757	2397		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C	2252	3143	3699	4165
exponent n	1.3222	1.3539	1.3649	1.3758

types of the radiators available in stock

decorative radiators



Faro H

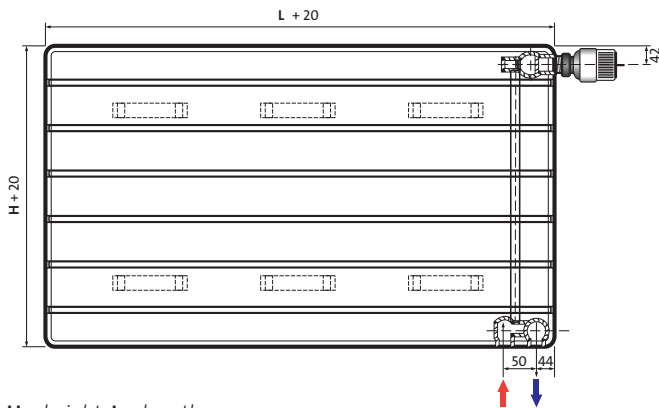
A horizontal decorative radiator with a softly profiled flat front panel, gently finished edges and a uniquely designed top cover.

- Connections : 2 x G ½ " bottom, right side connectors (left side - available on request)
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Installation on brackets : mounting on hanging lugs welded on the rear panel of the radiator
- Accessories bundled with the radiator : two MCW-5 wall brackets including wall plugs and screws, factory installed thermostatic valve (on the right side) and air vent (on the left side).

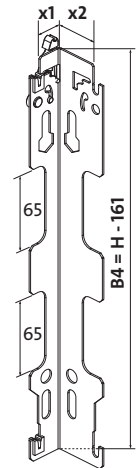
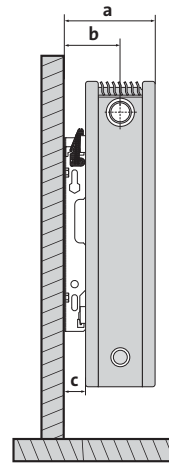


installation with the MCW-5 angle wall brackets

front view



H = height; L = length



water volume and weight

water volume : l/m				
type \ height	400	600	750	900
20	4.44	6.67	8.00	9.33
21	4.76	6.95	8.67	10.38
22	4.76	6.95	8.67	10.38
33	6.73	10.10	11.27	12.44

weight : kg/m				
type \ height	400	600	750	900
20	22.83	32.50	40.19	47.89
21	26.48	37.43	46.67	56.29
22	29.24	42.67	53.52	64.38
33	42.70	62.38	77.19	92.00

number of brackets depending on the type and height of the radiator

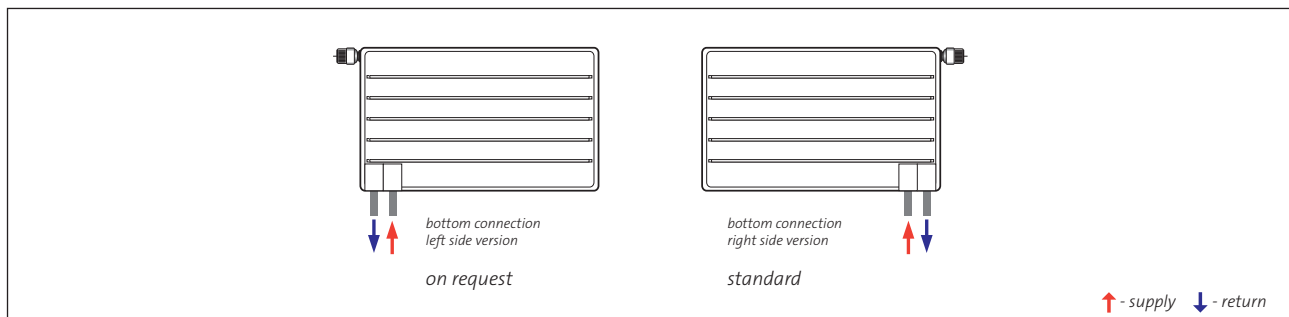
type	height H	length L	2x	3x
20 / 21 / 22	400-600	< 2000	x	
		≥ 2000		x
20 / 21 / 22	750-900	< 1600	x	
		≥ 1600		x
33	400	< 2000	x	
		≥ 2000		x
33	600-900	< 1600	x	
		≥ 1600		x

Shorter arm installation
x1 = 24 mm

Longer arm installation
x2 = 39,5 mm

type FARO H	Shorter arm installation x1 = 24 mm	Longer arm installation x2 = 39,5 mm
20	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
21	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
22	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
33	a : 206 mm b : 84 mm c : 30 mm	a : 122 mm b : 100 mm c : 46 mm

recommended connections



↑ - supply ↓ - return



RADIATOR DESCRIPTION - AN EXAMPLE : **FARO H 20 600 1200 L**

FARO H 20

name _____

type _____

height _____

length _____

L : only for the left side version

(no letter: standard, i.e. the right side version)

length [mm]	parameters t _z / t _p / t _i	height [mm]			
		400	600	750	900
450	75/65/20 °C	306	428	512	590
	55/45/20 °C	157	221	264	304
600	75/65/20 °C	407	571	683	786
	55/45/20 °C	209	295	352	405
750	75/65/20 °C	509	713	854	983
	55/45/20 °C	262	368	440	507
900	75/65/20 °C	611	856	1024	1179
	55/45/20 °C	314	442	528	608
1050	75/65/20 °C	713	999	1195	1376
	55/45/20 °C	367	515	616	709
1200	75/65/20 °C	815	1141	1366	1572
	55/45/20 °C	419	589	704	810
1350	75/65/20 °C	917	1284	1536	1769
	55/45/20 °C	471	663	792	912
1500	75/65/20 °C	1019	1427	1707	1965
	55/45/20 °C	524	736	880	1013
1650	75/65/20 °C	1120	1569		
	55/45/20 °C	576	810		
1800	75/65/20 °C	1222	1712		
	55/45/20 °C	628	883		
1950	75/65/20 °C	1324	1854		
	55/45/20 °C	681	957		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C exponent n	852 1.2870	1192 1.2801	1427 1.2812	1643 1.2823
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types of the radiators available in stock

RADIATOR DESCRIPTION - AN EXAMPLE : FARO H 21 600 1200 L



name _____
 type _____
 height _____
 length _____
 L : only for the left side version
 (no letter: standard, i.e. the right side version)



length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	445	602	701	802
	55/45/20 °C	224	303	350	400
600	75/65/20 °C	593	802	934	1070
	55/45/20 °C	299	403	466	534
750	75/65/20 °C	742	1003	1168	1337
	55/45/20 °C	374	504	583	667
900	75/65/20 °C	890	1203	1401	1605
	55/45/20 °C	448	605	700	801
1050	75/65/20 °C	1038	1404	1635	1872
	55/45/20 °C	523	706	817	935
1200	75/65/20 °C	1187	1604	1868	2140
	55/45/20 °C	598	806	933	1068
1350	75/65/20 °C	1335	1805	2102	2407
	55/45/20 °C	673	907	1049	1202
1500	75/65/20 °C	1484	2006	2336	2675
	55/45/20 °C	748	1008	1167	1335
1650	75/65/20 °C	1632	2206		
	55/45/20 °C	822	1109		
1800	75/65/20 °C	1780	2407		
	55/45/20 °C	897	1210		
1950	75/65/20 °C	1929	2607		
	55/45/20 °C	972	1310		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C exponent n	1249 1.3261	1691 1.3311	1973 1.3433	2260 1.3440
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types of the radiators available in stock



RADIATOR DESCRIPTION - AN EXAMPLE : **FARO H 22 600 1200 L**

FARO H 22

name _____

type _____

height _____

length _____

L : only for the left side version

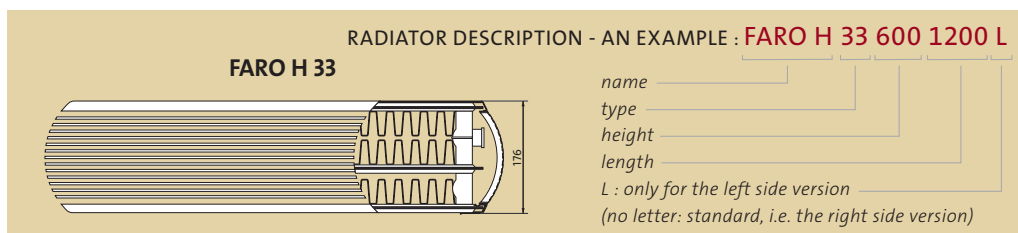
(no letter: standard, i.e. the right side version)

length [mm]	parameters t _z / t _p / t _i	height [mm]			
		400	600	750	900
450	75/65/20 °C	573	764	922	1014
	55/45/20 °C	288	378	456	494
600	75/65/20 °C	764	1018	1229	1352
	55/45/20 °C	384	503	608	659
750	75/65/20 °C	956	1273	1536	1690
	55/45/20 °C	480	629	760	824
900	75/65/20 °C	1147	1527	1843	2028
	55/45/20 °C	576	755	912	989
1050	75/65/20 °C	1338	1782	2150	2366
	55/45/20 °C	672	881	1064	1154
1200	75/65/20 °C	1529	2036	2458	2704
	55/45/20 °C	768	1006	1217	1318
1350	75/65/20 °C	1720	2291	2765	3042
	55/45/20 °C	864	1132	1369	1483
1500	75/65/20 °C	1911	2546	3072	3380
	55/45/20 °C	960	1258	1521	1648
1650	75/65/20 °C	2102	2800		
	55/45/20 °C	1056	1384		
1800	75/65/20 °C	2293	3055		
	55/45/20 °C	1152	1510		
1950	75/65/20 °C	2484	3309		
	55/45/20 °C	1248	1635		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C exponent n	1612 1.3318	2158 1.3635	2603 1.3607	2879 1.3897
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types of the radiators available in stock



length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	803	1114	1309	1471
	55/45/20 °C	405	553	646	722
600	75/65/20 °C	1070	1485	1745	1961
	55/45/20 °C	540	738	862	963
750	75/65/20 °C	1338	1856	2181	2451
	55/45/20 °C	676	922	1077	1204
900	75/65/20 °C	1606	2228	2617	2941
	55/45/20 °C	811	1107	1292	1444
1050	75/65/20 °C	1873	2599	3053	3431
	55/45/20 °C	946	1291	1508	1685
1200	75/65/20 °C	2141	2970	3490	3922
	55/45/20 °C	1081	1475	1724	1926
1350	75/65/20 °C	2408	3341	3926	4412
	55/45/20 °C	1216	1659	1939	2167
1500	75/65/20 °C	2676	3713	4362	4902
	55/45/20 °C	1351	1844	2154	2407
1650	75/65/20 °C	2944	4084		
	55/45/20 °C	1486	2029		
1800	75/65/20 °C	3211	4455		
	55/45/20 °C	1621	2213		
1950	75/65/20 °C	3479	4826		
	55/45/20 °C	1757	2397		

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

[W/m] 90/70/20 °C exponent n	2252 1.3222	3143 1.3539	3699 1.3649	4165 1.3758
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types of the radiators available in stock

decorative radiators

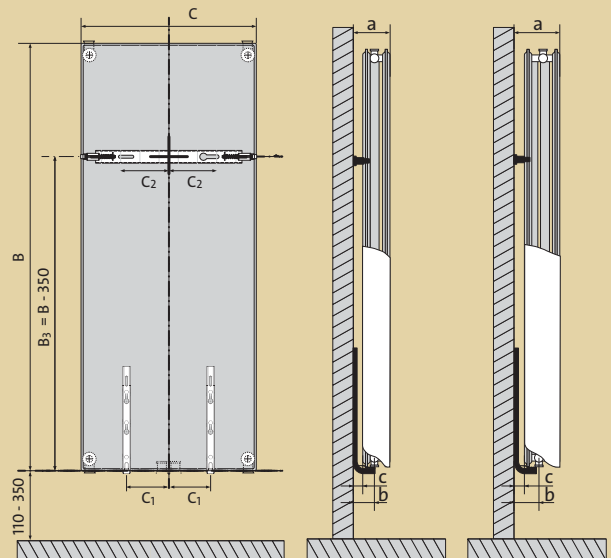
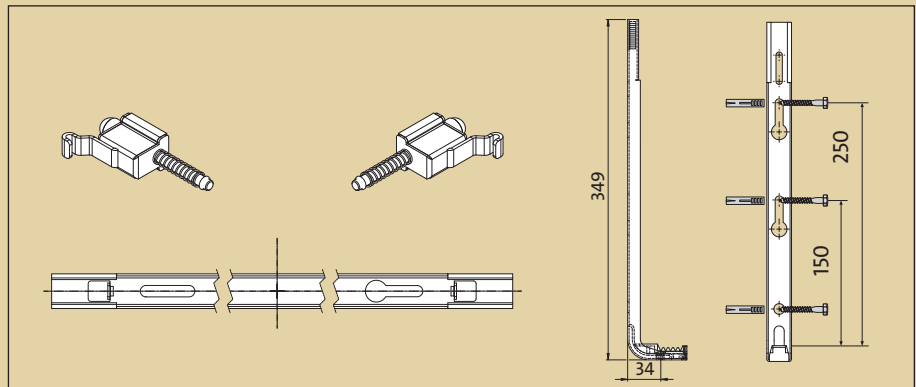


Kos V

A vertical decorative radiator with a flat front panel, gently finished edges and side covers.

- Connections : 4 x G ½" bottom; 2 x G ½" top - for the air vent and plug installation
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Many connection possibilities
- Accessories bundled with the radiator : brackets, plugs, air vent.

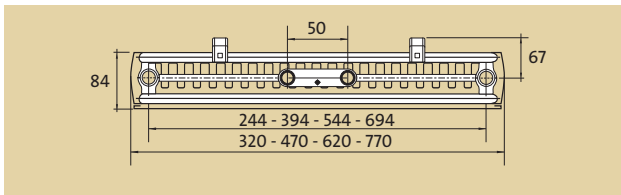
installation



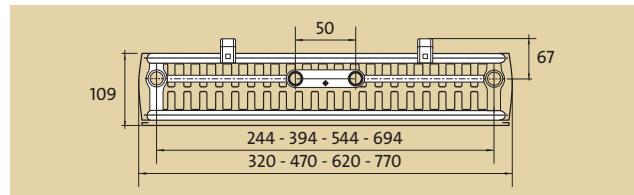
	type KOS V 21				type KOS V 22	
C	300	450	600	750	a : 111 mm	a : 136 mm
C₁	75	100	175	250	b : 67 mm	b : 67 mm
C₂	50	125	200	275	c : 27 mm	c : 27 mm

bottom views

type KOS V 21



type KOS V 22



For type 22 connections are asymmetric with respect to the radiator panels

RADIATOR DESCRIPTION - AN EXAMPLE : **KOS V 21 1800 600**

name _____
 type _____
 height _____
 length _____

RADIATOR DESCRIPTION - AN EXAMPLE : **KOS V 22 1800 600**

name _____
 type _____
 height _____
 length _____

length [mm]	parameters $t_z / t_p / t_i$	height		
		1800	1950	2100
300	75/65/20 °C	886	936	978
	55/45/20 °C	448	472	491
450	75/65/20 °C	1329	1404	1467
	55/45/20 °C	672	709	737
600	75/65/20 °C	1772	1873	1957
	55/45/20 °C	896	945	983
750	75/65/20 °C	2216	2341	2446
	55/45/20 °C	1121	1181	1228

length [mm]	parameters $t_z / t_p / t_i$	height		
		1800	1950	2100
300	75/65/20 °C	1046	1103	1161
	55/45/20 °C	524	528	583
450	75/65/20 °C	1569	1654	1742
	55/45/20 °C	785	792	874
600	75/65/20 °C	2092	2205	2323
	55/45/20 °C	1047	1055	1166
750	75/65/20 °C	2615	2756	2903
	55/45/20 °C	1309	1319	1457

[W/m] 90/70/20 °C	3727	3942	4125
exponent n	1.3192	1.3231	1.3327

[W/m] 90/70/20 °C	4415	4725	4898
exponent n	1.3387	1.4255	1.3343

Kos V inox	length [mm]	height [mm]	exponent n	weight [kg]	water volume [l]	75/65/20 °C	55/45/20 °C
KOV211800450I	450	1800	1.3308	45.10	10.10	1183	595
KOV211950600I	600	1950	1.3600	64.20	14.30	1601	793
KOV212100750I	750	2100	1.3693	83.60	18.30	2095	1032

types of the radiators available in stock

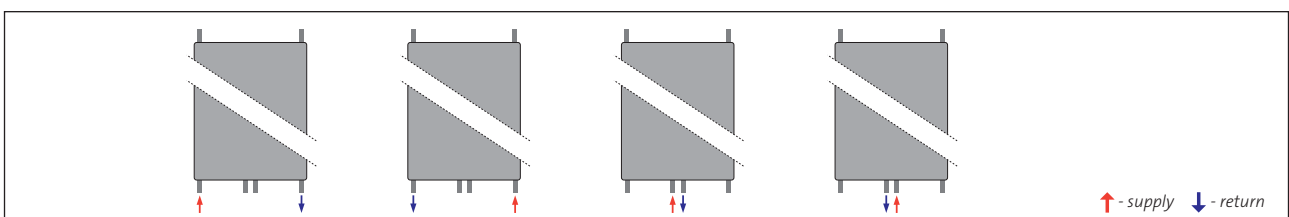
Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

water volume and weight

water volume : l/m				
type \ height	1800	1950	2100	
21	21.47	24.13	25.47	
22	21.73	23.47	25.33	

weight : kg/m				
type \ height	1800	1950	2100	
21	100.27	109.33	117.07	
22	111.60	123.73	130.93	

recommended connections



↑ - supply ↓ - return

decorative radiators

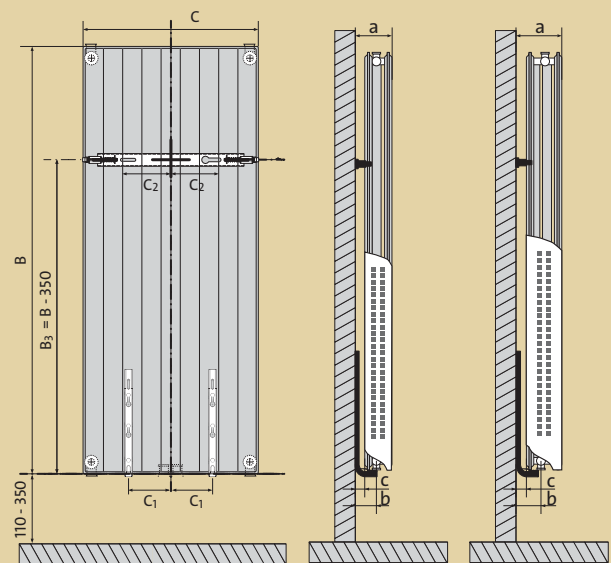
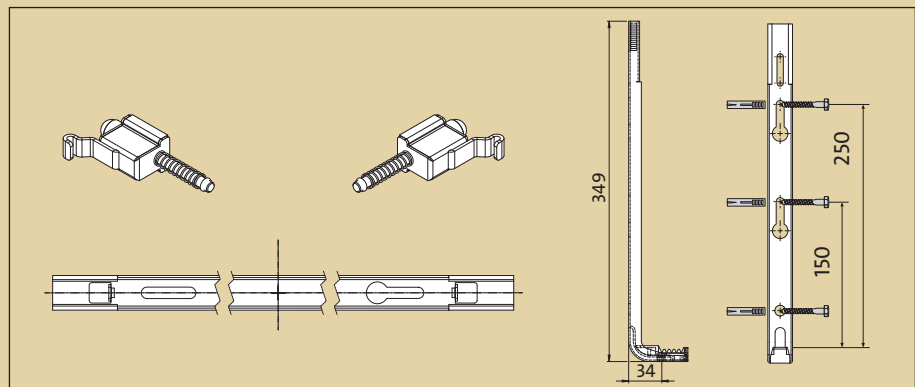


Faro V

A vertical decorative radiator with a softly profiled flat front panel, gently finished edges and side covers.

- Connections : 4 x G ½" bottom; 2 x G ½" top - for the air vent and plug installation
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Many connection possibilities
- Accessories bundled with the radiator : brackets, plugs, air vent.

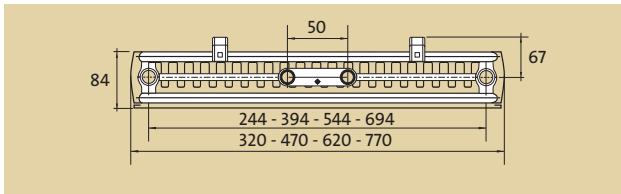
installation



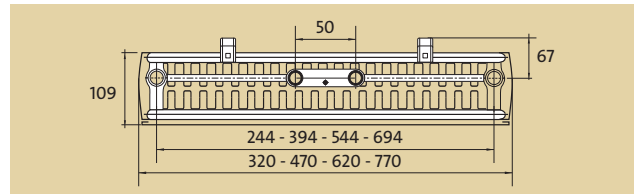
	type FARO V 21				type FARO V 22	
C	300	450	600	750	a : 111 mm	a : 136 mm
C ₁	75	100	175	250	b : 67 mm	b : 67 mm
C ₂	50	125	200	275	c : 27 mm	c : 27 mm

bottom views

type FARO V 21



type FARO V 22



For type 22 connections are asymmetric with respect to the radiator panels

RADIATOR DESCRIPTION - AN EXAMPLE : **FARO V 21 1800 600**

name _____
 type _____
 height _____
 length _____

RADIATOR DESCRIPTION - AN EXAMPLE : **FARO V 22 1800 600**

name _____
 type _____
 height _____
 length _____

length [mm]	parameters t _z / t _p / t _i	height		
		1800	1950	2100
300	75/65/20 °C	886	936	978
	55/45/20 °C	448	472	491
450	75/65/20 °C	1329	1404	1467
	55/45/20 °C	672	709	737
600	75/65/20 °C	1772	1873	1957
	55/45/20 °C	896	945	983
750	75/65/20 °C	2216	2341	2446
	55/45/20 °C	1121	1181	1228

length [mm]	parameters t _z / t _p / t _i	height		
		1800	1950	2100
300	75/65/20 °C	1046	1103	1161
	55/45/20 °C	524	528	583
450	75/65/20 °C	1569	1654	1742
	55/45/20 °C	785	792	874
600	75/65/20 °C	2092	2205	2323
	55/45/20 °C	1047	1055	1166
750	75/65/20 °C	2615	2756	2903
	55/45/20 °C	1309	1319	1457

[W/m] 90/70/20 °C	1800	1950	2100
exponent n	3727	3942	4125
	1.3192	1.3231	1.3327

[W/m] 90/70/20 °C	1800	1950	2100
exponent n	4415	4725	4898
	1.3387	1.4255	1.3343

Faro V inox	length [mm]	height [mm]	exponent n	weight [kg]	water volume [l]	75/65/20 °C	55/45/20 °C
FAV211800450I	450	1800	1.3308	45.10	10.10	1183	595
FAV211950600I	600	1950	1.3600	64.20	14.30	1601	793
FAV212100750I	750	2100	1.3693	83.60	18.30	2095	1032

types of the radiators available in stock

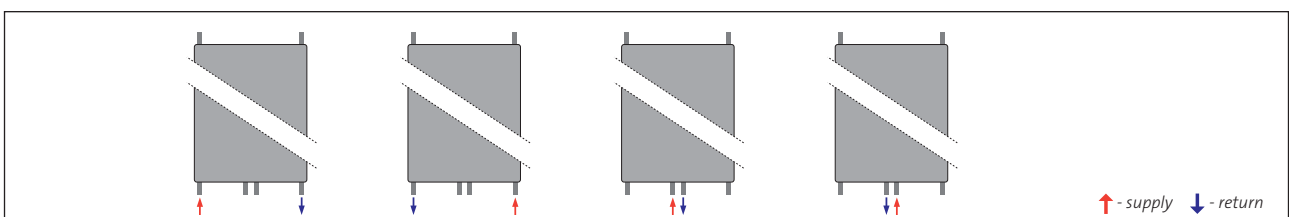
Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

water volume and weight

water volume : l/m		1800	1950	2100
type	height			
21		21.47	24.13	25.47
22		21.73	23.47	25.33

weight : kg/m		1800	1950	2100
type	height			
21		100.27	109.33	117.07
22		111.60	123.73	130.93

recommended connections



decorative radiators

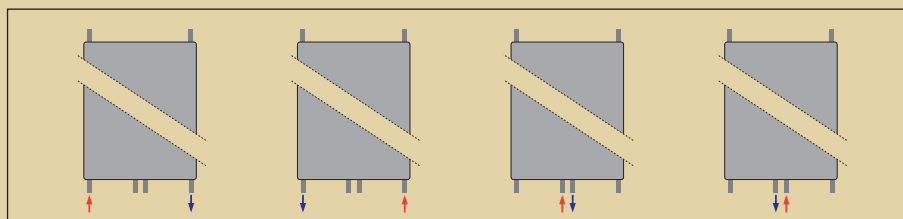


Tinos V

A vertical decorative radiator with a flat front panel overlapping heater sides at straight angles. Its modern and stylish design blends perfectly with the latest trends in heating technology.

- Connections : 4 x G 1/2" bottom; 2 x G 1/2" top - for the air vent and plug installation
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Many connection possibilities
- Accessories bundled with the radiator : brackets MCW-V, plugs, air vent.

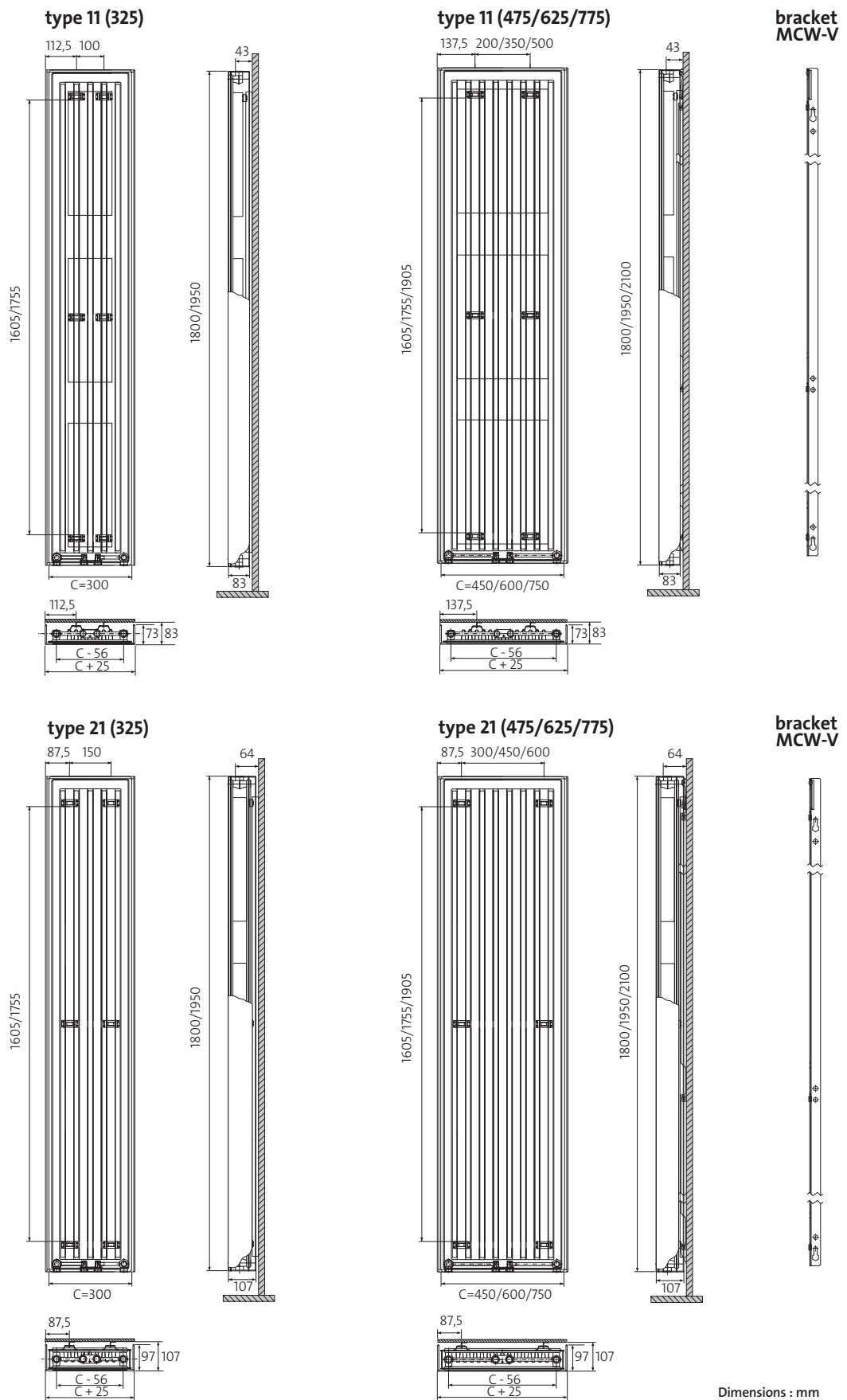
recommended connections



↑ - supply ↓ - return



dimensions





TINOS V 11 RADIATOR DESCRIPTION - AN EXAMPLE : **TINOS V 11 1800 325**

name _____
 type _____
 height _____
 length _____

length [mm]	parameters $t_z / t_p / t_i$	height		
		1800	1950	2100
		[W]	[W]	[W]
325 (C=300)	75/65/20 °C 55/45/20 °C	653 339	720 382	
475 (C=450)	75/65/20 °C 55/45/20 °C	976 509	1056 549	
625 (C=600)	75/65/20 °C 55/45/20 °C	1298 678	1393 710	1429 752
775 (C=750)	75/65/20 °C 55/45/20 °C		1729 863	1749 915
exponent n for length: 325		1,2810	1,2418	
475		1,2761	1,2811	
625		1,2711	1,3205	1,2575
775			1,3598	1,2685

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock

water volume and weight (type 11)

water volume : l/m

type \ height	1800	1950	2100
325	3,50	3,80	
475	5,25	5,47	
625	7,00	7,13	8,12
775		8,80	10,15

weight : kg/m

type \ height	1800	1950	2100
325	21,00	23,20	
475	30,37	33,88	
625	39,73	44,57	47,75
775		55,25	59,20

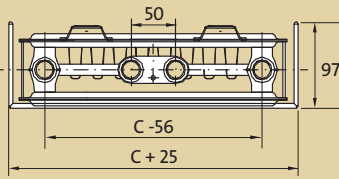
Tinos V *type 21*

decorative radiators



TINOS V 21

RADIATOR DESCRIPTION - AN EXAMPLE : **TINOS V 21 1800 325**



name _____
 type _____
 height _____
 length _____



length [mm]	parameters $t_z / t_p / t_i$	height		
		1800	1950	2100
		[W]	[W]	[W]
325 (C=300)	75/65/20 °C 55/45/20 °C	886 452	936 476	
475 (C=450)	75/65/20 °C 55/45/20 °C	1329 677	1405 715	
625 (C=600)	75/65/20 °C 55/45/20 °C	1772 903	1873 953	1957 991
775 (C=750)	75/65/20 °C 55/45/20 °C		2341 1191	2446 1238
exponent n for length: 325		1,3192	1,3231	
475		1,3192	1,3231	
625		1,3192	1,3231	1,3327
775			1,3231	1,3327

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock

water volume and weight (type 21)

water volume : l/m

type \ height	1800	1950	2100
325	6,44	7,24	
475	9,66	10,86	
625	12,88	14,48	15,28
775		18,10	19,10

weight : kg/m

type \ height	1800	1950	2100
325	30,08	32,80	
475	45,12	49,20	
625	60,16	65,60	70,24
775		82,00	87,80

decorative radiators

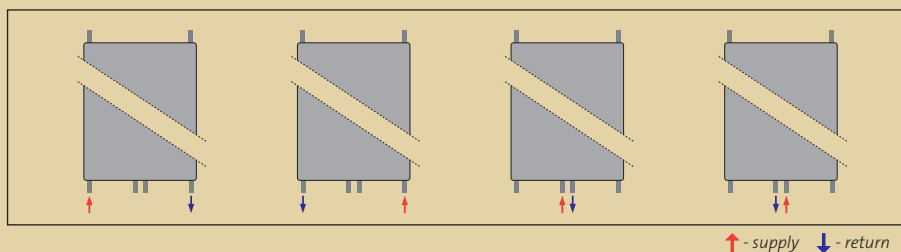


Paros V

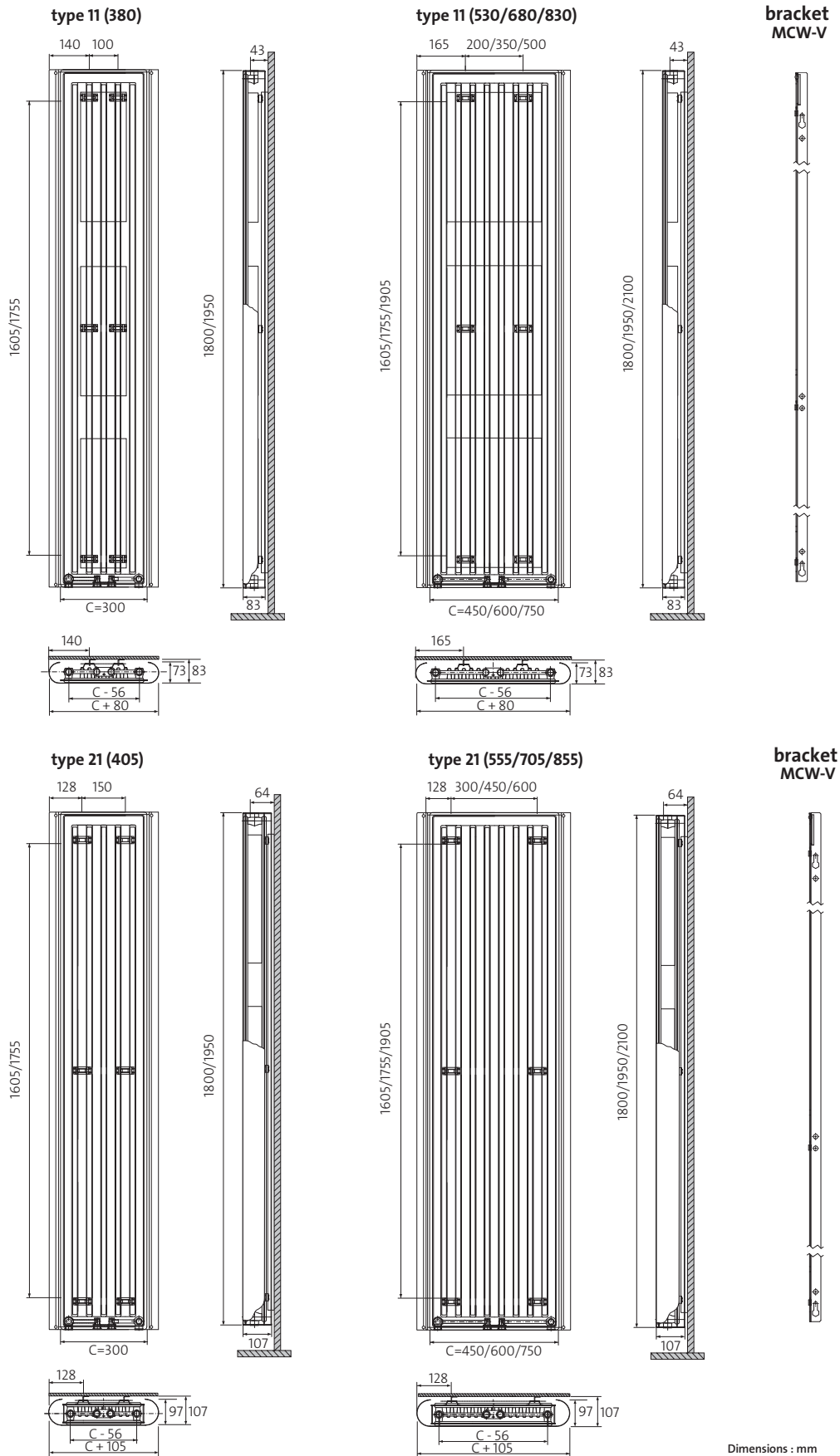
A vertical decorative radiator with a flat front panel overlapping both heater sides with smooth curves. Its modern and stylish design reflects the latest trends in heating technology.

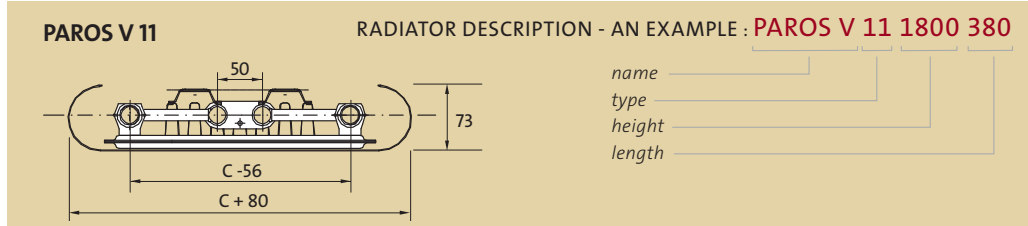
- Connections : 4 x G 1/2" bottom; 2 x G 1/2" top - for the air vent and plug installation
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Many connection possibilities
- Accessories bundled with the radiator : brackets MCW-V, plugs, air vent.

recommended connections



dimensions





length [mm]	parameters $t_z / t_p / t_i$	height		
		1800	1950	2100
		[W]	[W]	[W]
380 (C=300)	75/65/20 °C 55/45/20 °C	653 339	720 382	
530 (C=450)	75/65/20 °C 55/45/20 °C	976 509	1056 549	
680 (C=600)	75/65/20 °C 55/45/20 °C	1298 678	1393 710	1429 752
830 (C=750)	75/65/20 °C 55/45/20 °C		1729 863	1749 915

exponent n for length: 380	1,2810	1,2418	
530	1,2761	1,2811	
680	1,2711	1,3205	1,2575
830		1,3598	1,2685

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock

water volume and weight (type 11)

water volume : l/m

type \ height	1800	1950	2100
380	3,50	3,80	
530	5,25	5,47	
680	7,00	7,13	8,12
830		8,80	10,15

weight : kg/m

type \ height	1800	1950	2100
380	21,00	23,20	
530	30,37	33,88	
680	39,73	44,57	47,75
830		55,25	59,20

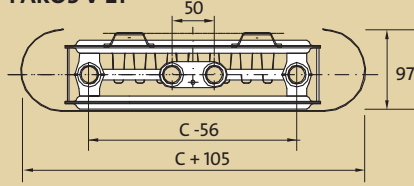
Paros V *type 21*

decorative radiators



PAROS V 21

RADIATOR DESCRIPTION - AN EXAMPLE : **PAROS V 21 1800 405**



name _____
 type _____
 height _____
 length _____



length [mm]	parameters $t_z / t_p / t_i$	height		
		1800	1950	2100
		[W]	[W]	[W]
405 (C=300)	75/65/20 °C 55/45/20 °C	886 452	936 476	
555 (C=450)	75/65/20 °C 55/45/20 °C	1329 677	1405 715	
705 (C=600)	75/65/20 °C 55/45/20 °C	1772 903	1873 953	1957 991
855 (C=750)	75/65/20 °C 55/45/20 °C		2341 1191	2446 1238
exponent n for length: 405		1,3192	1,3231	
555		1,3192	1,3231	
705		1,3192	1,3231	1,3327
855			1,3231	1,3327

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock




water volume and weight (type 21)

water volume : l/m

type \ height	1800	1950	2100
405	6,44	7,24	
555	9,66	10,86	
705	12,88	14,48	15,28
855		18,10	19,10

weight : kg/m

type \ height	1800	1950	2100
405	30,08	32,80	
555	45,12	49,20	
705	60,16	65,60	70,24
855		82,00	87,80

	description	types	dimensions	order code:
	towel rail for the PURMO Kos V and Faro V radiators. Made of mat brushed stainless steel.		300 mm	AZ14BTKF00030000
			450 mm	AZ14BTKF00045000
			600 mm	AZ14BTKF00060000
			750 mm	AZ14BTKF00075000
	towel rail for the PURMO Tinos V radiators.	11	325 mm	AZ14BTTLT1132500
		11	475 mm	AZ14BTTLT1147500
		11	625 mm	AZ14BTTLT1162500
		11	775 mm	AZ14BTTLT1177500
		21	325 mm	AZ14BTTOT2132500
		21	475 mm	AZ14BTTOT2147500
		21	625 mm	AZ14BTTOT2162500
		21	775 mm	AZ14BTTOT2177500
	towel rail for the PURMO Paros V radiators.	11	380 mm	AZ14BTPST1138000
		11	530 mm	AZ14BTPST1153000
		11	680 mm	AZ14BTPST1168000
		11	830 mm	AZ14BTPST1183000
		21	380 mm	AZ14BTPOT2140500
		21	530 mm	AZ14BTPOT2155500
		21	680 mm	AZ14BTPOT2170500
		21	830 mm	AZ14BTPOT2185500



Vido

The Vido fan convector has been designed to provide both pleasant warmth in the middle of the winter, as well as a refreshing chill in the middle of the summer. A built-in electronic controller regulates the parameters of the system to provide optimal comfort conditions in the room.

- Length : 800, 1000, 1200, 1400, 1600 mm
- Height : 595 mm
- Depth : 153 mm
- Exchanger composition : aluminum finned copper pipes
- Casing material : RAL 9016 white, powder coated steel sheet metal
- Connections : two-pipe system 2 x GW 3/4" – internal thread
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Test pressure : 13 bar
- Accessories : 4 screws and wall plugs for wall mounting

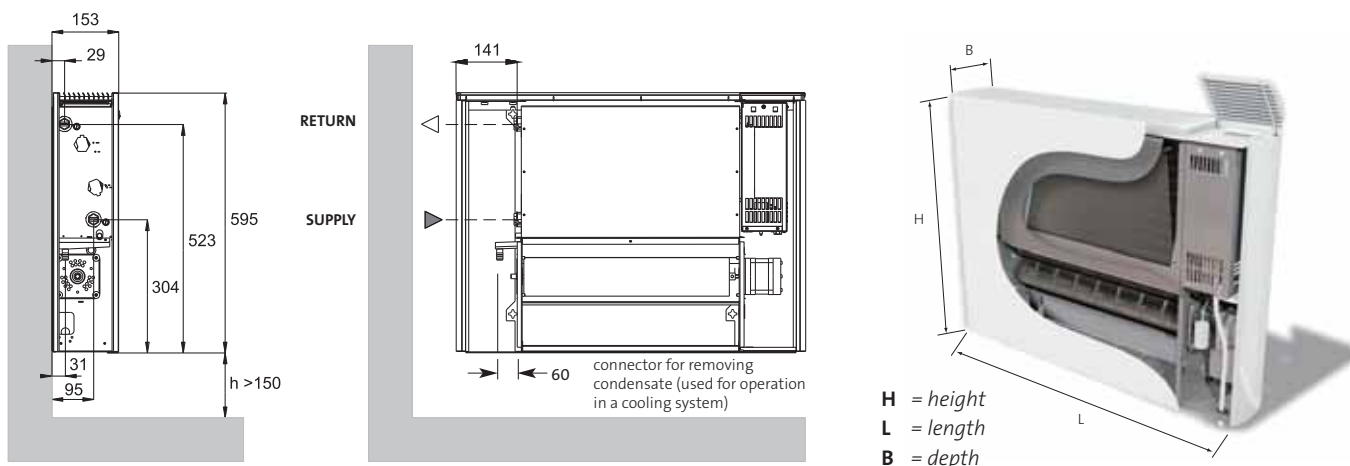


- Fan convector equipment :
contact temperature sensor for heating/cooling medium in the system, room air temperature sensor
- Optional equipment :
control and balancing valve with pressure-independent flow and 230 V actuator
- Standard electrical equipment :
switchboard for connecting power supply and auxiliary equipment (a module with centrifugal fans driven by a 230 V/50 Hz motor, an optional control valve with an actuator or a central BMS control system)
- Standard electronic equipment :
electronic controller with time programs for operation in a simplified or extended system

NOTE:

The device is delivered with factory-connected test conductors that must be replaced with proper service conductors of cross-section 0.75 mm².

dimensions



parameters $t_z / t_p / t_i$	fan speed	heat output [W]				
		K080	K100	K120	K140	K160
75/65/20 °C	high	3682	5149	6521	7894	9266
	medium	2556	3632	4448	5265	6082
	low	1824	2606	3224	3842	4460
45/35/20 °C	high	1358	1883	2376	2869	3363
	medium	935	1283	1804	2324	2845
	low	704	905	1086	1267	1448

parameters $t_z / t_p / t_i$	fan speed		cooling output [W]				
			K080	K100	K120	K140	K160
7/12/27 °C	high	total	1648	2304	2918	3533	4147
		sensible	1227	1716	2173	2631	3088
	medium	total	1126	1600	1960	2320	2679
		sensible	829	1178	1442	1707	1972
	low	total	707	1011	1250	1490	1729
		sensible	527	753	931	1110	1288

weight [kg]	in packaging	25,6	30,8	35,8	41,1	46,4
	without packaging	22,8	27,7	32,5	37,5	42,6
water volume [l]		0,66	0,92	1,19	1,45	1,72
LwA [dB] sound power level at fan rotation high	55,0	55,0	58,8	61,9	63,4
	... medium	44,8	42,9	44,7	42,6	42,1
	... low	31,9	34,1	31,1	32,0	34,1
Lp [dBA] sound pressure at fan rotation high	47,9	47,9	51,7	54,8	56,3
	... medium	37,7	35,8	40,5	35,5	35,0
	... low	24,8	27,0	24,0	24,9	27,0
voltage [V]		230	230	230	230	230
power consumption [W]		32	35	44	53	65

type	H [mm]	L [mm]	B [mm]	order code
K080	595	800	153	F9P-MCLO5000055
K100	595	1000	153	F9P-MCLO5000056
K120	595	1200	153	F9P-MCLO5000057
K140	595	1400	153	F9P-MCLO5000058
K160	595	1600	153	F9P-MCLO5000059

Type overview



Santorini

4 connections

height [mm]:
714, 1134, 1470, 1764

width [mm]:
400, 500, 600, 750, 900



Santorini A

6 connections

height [mm]:
714, 1134

width [mm]:
400, 500, 600, 750



Santorini C

4 connections

height [mm]:
714, 1134, 1470, 1764

width [mm]:
399, 498, 596, 742, 887



Kea

4 connections

height [mm]:
1022, 1262, 1502, 1742

width [mm]:
600, 750, 900



Ratea

2 connections

height [mm]:
796, 1196, 1756

width [mm]:
500, 600, 750



Anafi

3 connections

height [mm]:
1250, 1500, 1600, 1800

width [mm]:
572, 636



Sardinia

2 connections

height [mm]:
1239, 1815

width [mm]:
500, 605



Java

2 connections

height [mm]:
700, 912, 1336,
1548, 1760, 1972

width [mm]:
400, 500, 600



Imia

3 connections

height [mm]:
1600, 1800

width [mm]:
510, 822, 1030, 1238



Muna

2 connections

height [mm]:
530*, 680*, 905, 1205,
1650, 1730, 2030

width [mm]:
500, 600, 800,
1000*, 1200*



Mauritius

3 connections

height [mm]:
1194, 1754, 2154

width [mm]:
500, 600, 750, 900



Flores CH

4 connections

height [mm]:
770, 1150, 1430, 1755

width [mm]:
500, 600

*for horizontal radiators

Type overview



Flores C CH

4 connections

height [mm]:
770, 1150, 1430, 1755

width [mm]:
500, 600



Apolima

2 connections

height [mm]:
830, 1130, 1430, 1730

width [mm]:
650, 800



Elato

4 connections

height [mm]:
830, 1130, 1430, 1730

width [mm]:
450, 600



Apia

6 connections

height [mm]:
1196, 1756

width [mm]:
500, 600, 750, 900

	Santorini	Santorini A	Santorini C	Kea	Ratea	Anafi	Sardinia	Imia	Mauritius	Java	Muna	Flores CH	Flores C CH	Eiato	Apolima	Apia
max. working pressure [bar]	10	10	10	10	10	10	10	10	10	8	4	8	8	4	4	10
number of connections	4	6	4	4	2	3	2	3	3	2	2	4	4	4	2	6
bottom connection	x	x	x	-	-	x	-	x	-	x	x	x	x	x	x	x
bottom connection with connectors spaced at 50 mm	-	-	-	-	x	-	x	-	-	-	-	-	-	-	-	-
same end connection, right or left side	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-
mid-bottom with connectors spaced at 50 mm	-	-	-	x	-	-	-	-	x	-	-	-	-	-	x	x
air vent - diameter	1/2"	1/2"	1/2"	1/4"	1/4"	1/4"	1/4"	1/4"	1/2"	1/8"	1/8"	1/2"	1/2"	1/8"	1/8"	1/2"
number of brackets in a bundle	3	3	4	4	3 or 4	4	4	4	2 or 3 + floor kit	4	4	4	4	4	4	4

thermal output of the radiators

Thermal output of the radiators was determined in accordance with PN-EN 442 based on laboratory measurements. The temperatures of 75/65/20 °C were accepted as reference values.

Thermal output of the radiators for other values can be calculated with the following formula:

$$\phi = \phi_n \left[\frac{\Delta t}{\Delta t_n} \right]^n$$

where:

ϕ - thermal output of the radiator [W]

ϕ_n - thermal output of the radiator determined based on measurements in accordance with PN-EN 442 [W]

Δt - logarithmic difference of temperatures [K]

Δt_n - logarithmic difference of temperatures 49.833 [K] calculated for reference temperatures 75/65/20 °C

n - exponent characteristic for a given type of radiator

The logarithmic difference of temperatures is calculated according to the following formula:

$$\Delta t = \frac{t_z - t_p}{\ln \left(\frac{t_z - t_i}{t_p - t_i} \right)}$$

where:

t_z - supply water temperature [°C]

t_p - return water temperature [°C]

t_i - room temperature [°C]

bathroom radiators



Santorini and Santorini A

Straight lines of the Santorini model make its appearance timeless and classic. It is a perfect element of every bathroom.

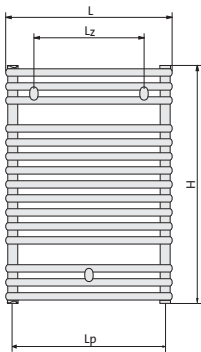
The Santorini A radiator is an excellent solution for those, who want to replace their old radiator with a new one without the need for modifications of piping. The model is available with right or left side connectors.

- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request
- Basic equipment: brackets with adjustable wall distance, ½" air vent, blanking plug (Santorini A - three blanking plugs).
- Additional equipment: round chrome plated towel hanger, C-type chrome plated hanger, electric heater.



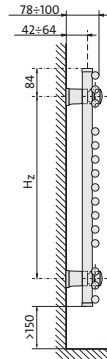
bathroom radiators

front view



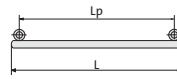
Santorini

side view

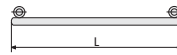


Santorini

top view

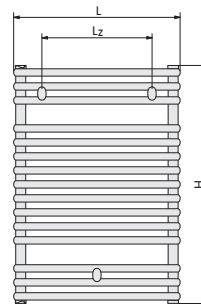


Santorini



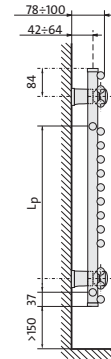
Santorini A

front view



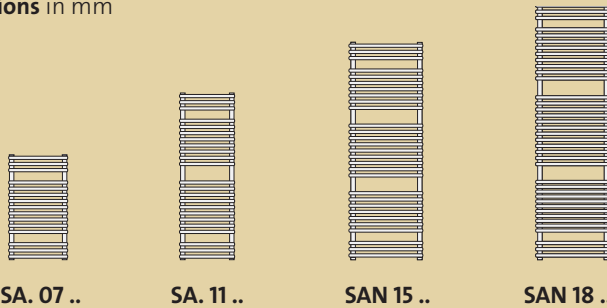
Santorini A

side view



Santorini A

dimensions in mm



H = height
L = width
Hz = vertical spacing of brackets
Lz = horizontal spacing of brackets
Lp = spacing of connectors

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
SAN 07 04	300	153	714	400	546	250	360	2,3	5,8	15	F3NA007004000000
SAN 07 05	370	189	714	500	546	350	460	2,8	6,8	15	F3NA007005000000
SAN 07 06	435	222	714	600	546	450	560	3,2	7,8	15	F3NA007006000000
SAN 07 07	529	270	714	750	546	600	710	3,9	9,2	15	F3NA007007500000
SAN 07 09	622	317	714	900	546	750	860	4,6	10,6	15	F3NA007009000000
SAN 11 04	465	237	1134	400	966	250	360	3,8	8,9	23	F3NA011004000000
SAN 11 05	569	290	1134	500	966	350	460	4,5	10,4	23	F3NA011005000000
SAN 11 06	665	339	1134	600	966	450	560	5,3	11,8	23	F3NA011006000000
SAN 11 07	805	411	1134	750	966	600	710	6,4	13,9	23	F3NA011007500000
SAN 11 09	940	480	1134	900	966	750	860	7,5	16	23	F3NA011009000000
SAN 15 05	733	374	1470	500	1302	350	460	6,1	13,3	29	F3NA015005000000
SAN 15 06	856	437	1470	600	1302	450	560	7,0	15,2	29	F3NA015006000000
SAN 15 07	1035	528	1470	750	1302	600	710	8,2	18,0	29	F3NA015007500000
SAN 15 09	1208	616	1470	900	1302	750	860	9,5	20,9	29	F3NA015009000000
SAN 18 05	894	456	1764	500	1596	350	460	7,5	15,8	36	F3NA018005000000
SAN 18 06	1038	530	1764	600	1596	450	560	8,5	18,2	36	F3NA018006000000
SAN 18 07	1246	636	1764	750	1596	600	710	9,9	21,7	36	F3NA018007500000
SAN 18 09	1447	738	1764	900	1596	750	860	11,3	25,2	36	F3NA018009000000
SAA 07 04 R	300	153	714	400	546	250	500	2,3	5,8	15	F3UAB070040000000
SAA 07 05 R	370	189	714	500	546	350	500	2,8	6,8	15	F3UAB070050000000
SAA 07 06 R	435	222	714	600	546	450	500	3,2	7,8	15	F3UAB070060000000
SAA 07 07 R	529	270	714	750	546	600	500	3,9	9,2	15	F3UAB070075000000
SAA 11 04 R	465	237	1134	400	966	250	500	3,8	8,9	23	F3UAB110040000000
SAA 11 05 R	569	290	1134	500	966	350	500	4,5	10,4	23	F3UAB110050000000
SAA 11 06 R	665	339	1134	600	966	450	500	5,3	11,8	23	F3UAB110060000000
SAA 11 07 R	805	411	1134	750	966	600	500	6,4	13,9	23	F3UAB110075000000

types of the radiators available in stock

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

The Santorini A radiators are available on request with the right or left side same end connection

bathroom radiators



Santorini C

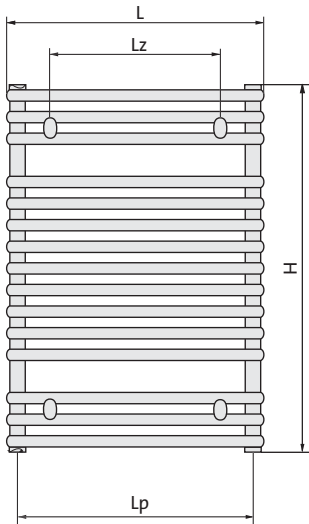
Round horizontal collectors of the Santorini C model are slightly bent to form an arc giving the radiator lightness and elegance.

- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request
- Basic equipment : brackets with adjustable wall distance, ½" air vent, blanking plug.
- Additional equipment : round chrome plated towel hanger, electric heater.

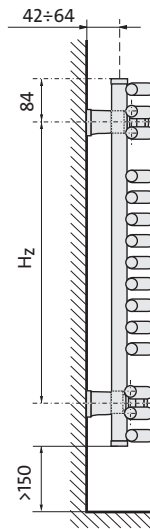


bathroom radiators

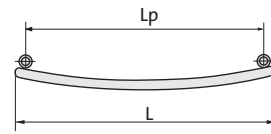
front view



side view

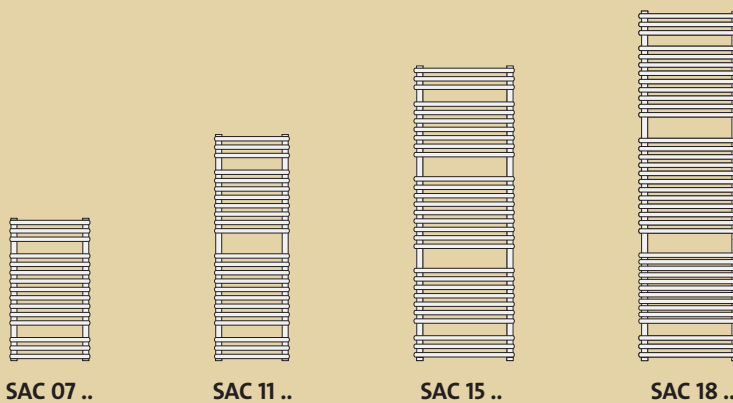


top view



H = height
 L = width
 Lz = horizontal spacing of brackets
 Hz = vertical spacing of brackets
 Lp = spacing of connectors

dimensions in mm

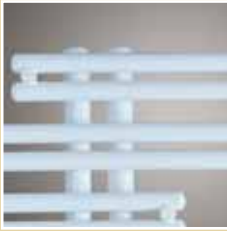


type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
SAC 07 04	300	153	714	399	546	220	353	2,3	5,8	15	F3VA007004000000
SAC 07 05	370	189	714	498	546	320	451	2,8	6,8	15	F3VA007005000000
SAC 07 06	435	222	714	596	546	420	548	3,2	7,8	15	F3VA007006000000
SAC 07 07	529	270	714	742	546	565	691	3,9	9,2	15	F3VA007007500000
SAC 07 09	622	317	714	887	546	730	835	4,6	10,6	15	F3VA007009000000
SAC 11 04	465	237	1134	399	966	220	353	3,8	8,9	23	F3VA011004000000
SAC 11 05	569	290	1134	498	966	320	451	4,5	10,4	23	F3VA011005000000
SAC 11 06	665	339	1134	596	966	420	548	5,3	11,8	23	F3VA011006000000
SAC 11 07	805	411	1134	742	966	565	691	6,4	13,9	23	F3VA011007500000
SAC 11 09	940	480	1134	887	966	730	835	7,5	16,0	23	F3VA011009000000
SAC 15 05	733	374	1470	498	1302	320	451	6,1	13,3	29	F3VA015005000000
SAC 15 06	856	437	1470	596	1302	420	548	7,0	15,2	29	F3VA015006000000
SAC 15 07	1035	528	1470	742	1302	565	691	8,2	18,0	29	F3VA015007500000
SAC 15 09	1208	616	1470	887	1302	730	835	9,5	20,9	29	F3VA015009000000
SAC 18 05	894	456	1764	498	1596	320	451	7,5	15,8	36	F3VA018005000000
SAC 18 06	1038	530	1764	596	1596	420	548	8,5	18,2	36	F3VA018006000000
SAC 18 07	1246	636	1764	742	1596	565	691	9,9	21,7	36	F3VA018007500000
SAC 18 09	1447	738	1764	887	1596	730	835	11,3	25,2	36	F3VA018009000000

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock

bathroom radiators



Kea

Horizontal collectors of the Kea model spread to both sides to form rhythmic sequences. The structure allows for hanging many towels.

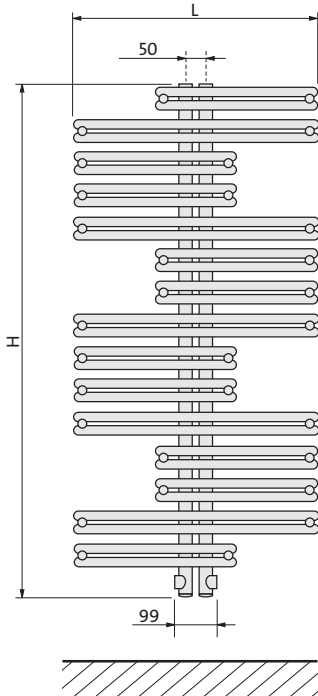
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



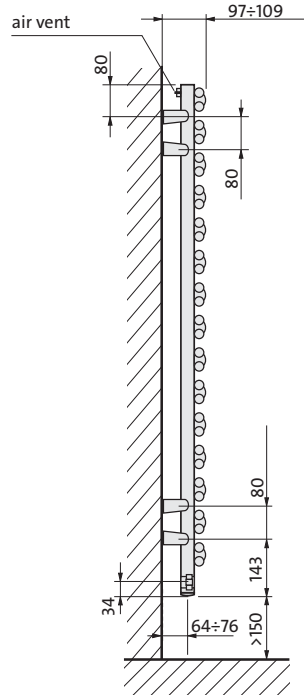
- Basic equipment : brackets with adjustable wall distance, ¼" air vent, two blanking plugs
- Additional equipment : straight chrome plated hanger, bent chrome plated hanger, glass shelf, C-type chrome plated hanger, round chrome plated towel hanger, electric heater.

bathroom radiators

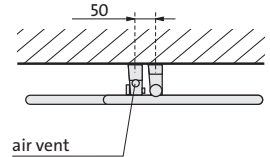
front view



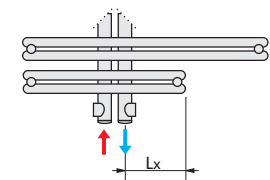
side view



top view

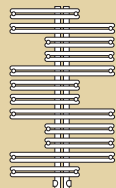


connection

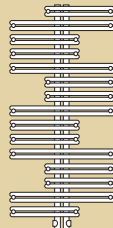


H = height
L = width

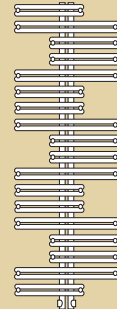
dimensions in mm



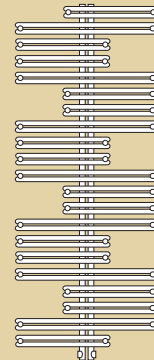
KEA 10 06



KEA 13 ..



KEA 15 ..



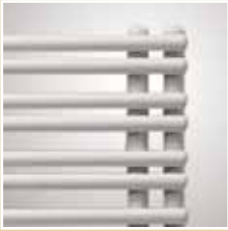
KEA 18 ..

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	Lx [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
KEA 10 06	499	255	1022	600	75	4,4	10,6	12	F4IA010006000300
KEA 13 06	613	313	1262	600	75	5,3	13,3	15	F4IA013006000300
KEA 13 07	739	377	1262	750	100	5,7	15,7	15	F4IA013007500300
KEA 15 06	724	369	1502	600	75	6,1	16,0	18	F4IA015006000300
KEA 15 07	870	444	1502	750	100	6,7	18,7	18	F4IA015007500300
KEA 15 09	1030	526	1502	900	125	7,6	21,6	18	F4IA015009000300
KEA 18 07	1008	514	1742	750	100	7,7	21,7	21	F4IA018007500300
KEA 18 09	1194	609	1742	900	125	9,2	24,9	21	F4IA018009000300

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock.

bathroom radiators



Ratea

The simple yet non-standard structure of the Ratea radiator makes this model exceptionally functional. These radiators are available in both right and left side versions.

- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request
- Basic equipment : brackets with adjustable wall distance, ¼" air vent.
- Additional equipment : straight chrome plated hanger, bent chrome plated hanger, glass shelf, C-type chrome plated hanger, round chrome plated towel hanger, electric heater.

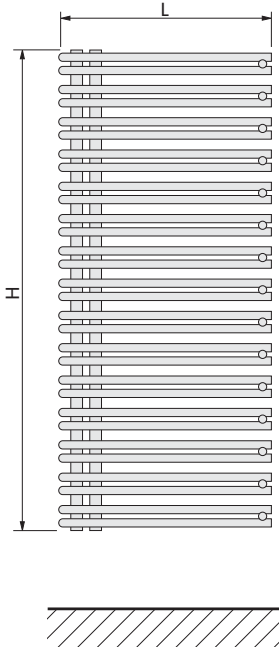
Note: as a standard, the Ratea radiators are delivered in the left side version (as presented on the picture below).



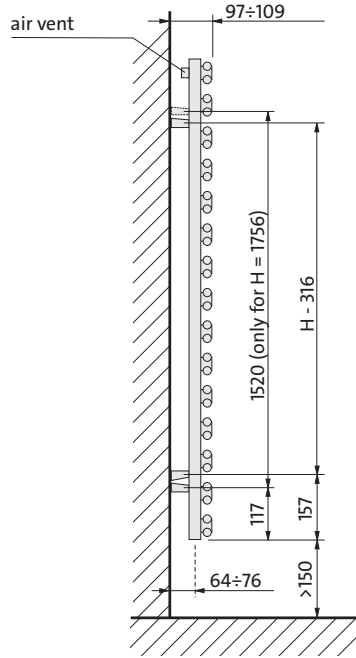
bathroom radiators

front view

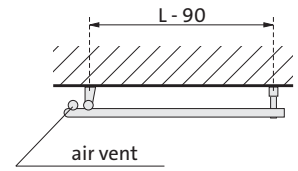
(left-side version)



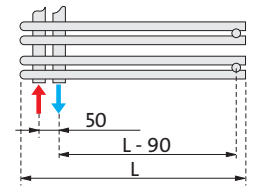
side view



top view



connection



H = height
L = width

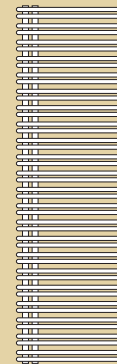
dimensions in mm



RAT 08 ..



RAT 12 ..



RAT 18 ..

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	kod zamówienia (wersja lewostr.)
RAT 08 05	446	228	796	500	3,8	8,8	10	F4BA008005000310
RAT 08 06	530	270	796	600	4,3	10,0	10	F4BA008006000310
RAT 08 07	653	333	796	750	5,0	11,9	10	F4BA008007500310
RAT 12 05	650	332	1196	500	5,9	12,9	15	F4BA012005000310
RAT 12 06	773	394	1196	600	6,7	14,8	15	F4BA012006000310
RAT 12 07	955	487	1196	750	8,0	17,6	15	F4BA012007500310
RAT 18 05	897	458	1756	500	8,0	19,2	22	F4BA018005000310
RAT 18 06	1081	552	1756	600	9,5	21,8	22	F4BA018006000310
RAT 18 07	1357	692	1756	750	11,7	25,7	22	F4BA018007500310

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

■ types of the radiators available in stock.

Ratea radiators are available in the right side version, e.g. RAT 08 05 (order code: F4BA008005000300).

bathroom radiators



Anafi

Daring design, interpenetrating horizontal and vertical lines and spatial form cause the Anafi model to be compared to a modern sculpture. This radiator can be installed in the living room or kitchen with great success.

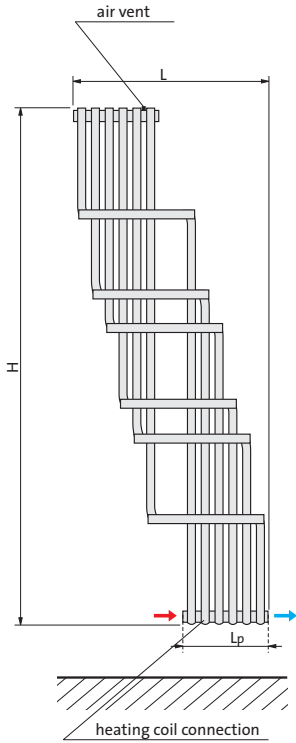
- Material : high quality steel section
- Heating medium : water
- Connections : 3 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



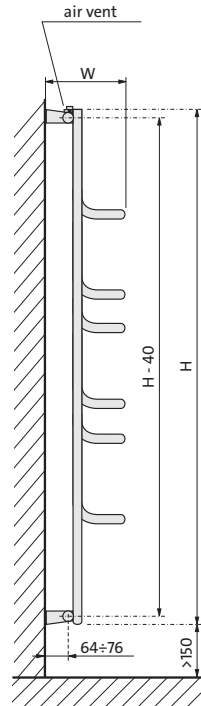
- Basic equipment : brackets with adjustable wall distance, ¼" air vent, two ¼" blanking plugs, ½" blanking plug
- Additional equipment : electric heater.

bathroom radiators

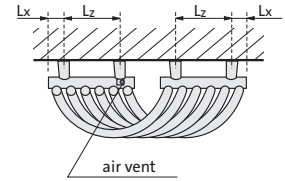
front view



side view

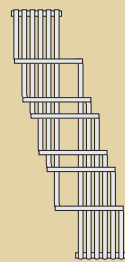


top view

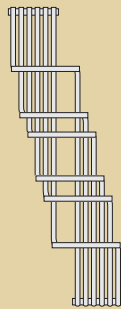


- H = height
- L = width
- W = depth
- Lz = spacing of brackets
- Lp = spacing of connectors

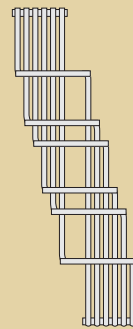
dimensions in mm



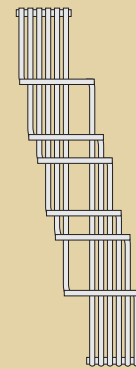
ANA 12 05



ANA 15 05



ANA 16 06



ANA 18 06

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	W [mm]	Lz [mm]	Lp [mm]	Lx [mm]	water volume [dm ³]	weight [kg]	liczba poziomych kolektorów	order code
ANA 12 05	486	248	1250	572	225-237	164	247	41,5	4,2	8,0	6	F4SA012005000300
ANA 15 05	550	281	1500	572	225-237	164	247	41,5	4,7	9,0	6	F4SA015005000300
ANA 16 06	675	344	1600	636	251-263	184	272	44,0	6,6	10,8	6	F4SA016006000300
ANA 18 06	735	375	1800	636	251-263	184	272	44,0	7,2	11,8	6	F4SA018006000300

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock

bathroom radiators



Sardinia

Delicatness of elliptic curves of the Sardinia model often finds its use outside of the bathroom. It can become an elegant supplement of your kitchen.

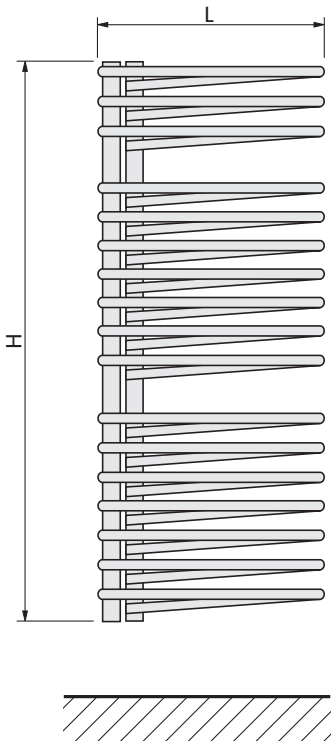
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



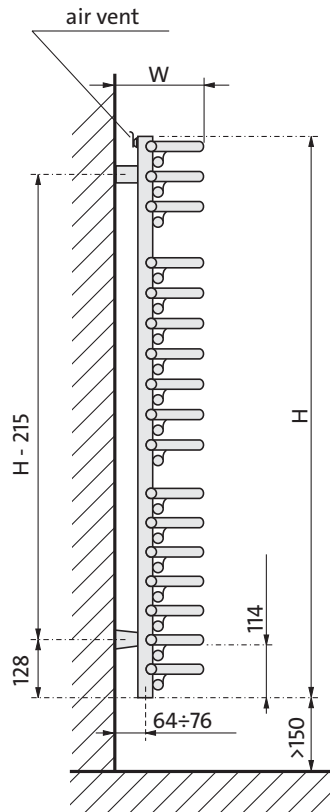
- Basic equipment : brackets with adjustable wall distance, ¼" air vent
- Additional equipment : electric heater.

bathroom radiators

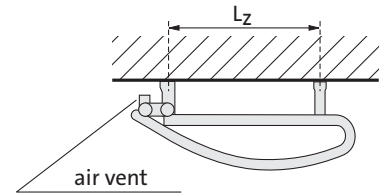
front view



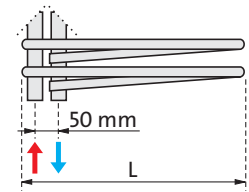
side view



top view

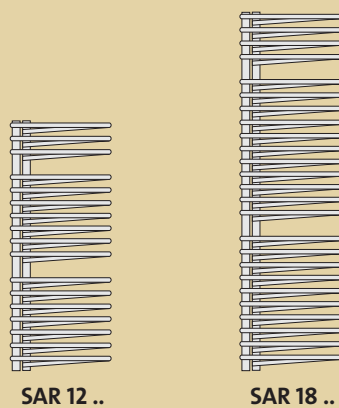


connection



H = height
L = width
W = depth
Lz = spacing of brackets

dimensions in mm



type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	W [mm]	Lz [mm]	water volume [dm³]	weight [kg]	liczba poziomych kolektorów	order code
SAR 12 05	744	380	1239	500	195-207	337	5,4	12,4	17	F4JA012005000310
SAR 12 06	909	464	1239	605	210-222	443	6,2	14,5	17	F4JA012006000310
SAR 18 05	1103	563	1815	500	195-207	337	8,2	18,7	25	F4JA018005000310
SAR 18 06	1348	688	1815	605	210-222	443	8,8	21,9	25	F4JA018006000310

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock.

bathroom radiators



Imia

Unlike the classic bathroom radiator models, Imia has vertically oriented collectors which gives it a tall and attractive appearance.

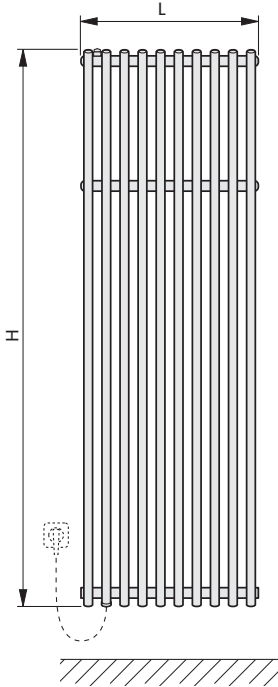
- Material : high quality steel section
- Heating medium : water
- Connections : 3 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



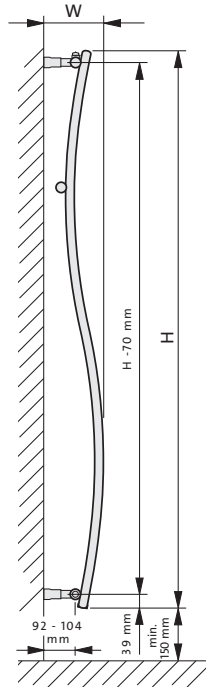
- Basic equipment : brackets with adjustable wall distance, ¼" air vent, two ¼" blanking plugs, ½" blanking plug
- Additional equipment : straight chrome plated hanger, round chrome plated hanger, clothing hanger, electric heater.

bathroom radiators

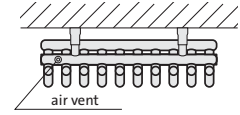
front view



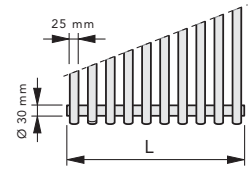
side view



top view

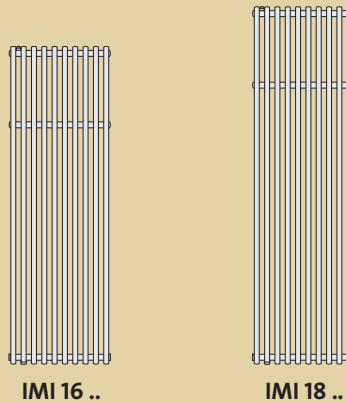


connection



H = height
L = width
W = depth

dimensions in mm



type	output [W]		H [mm]	L [mm]	W [mm]	water volume [dm ³]	weight [kg]	order code
	75/65/20 °C	55/45/20 °C						
IMI 16 05	850	434	1600	510	169-181	6,5	13,5	F4VA016005000300
IMI 16 08	1359	693	1600	822	169-181	10,4	21,6	F4VA016008000300
IMI 16 10	1699	867	1600	1030	169-181	13,0	27,0	F4VA016010000300
IMI 18 05	948	484	1800	510	177-189	7,7	15,0	F4VA018005000300
IMI 18 08	1516	773	1800	822	177-189	12,3	24,0	F4VA018008000300
IMI 18 10	1895	967	1800	1030	177-189	15,4	30,0	F4VA018010000300
IMI 18 12	2274	1160	1800	1238	177-189	18,5	35,8	F4VA018012000300

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

■ types of the radiators available in stock.

bathroom radiators



Mauritius

The Mauritius model can be installed in places where there is no room for a radiator on the wall. After installation, the Mauritius radiator acts as a partition wall adding to the room arrangement.

- Material : high quality steel section
- Heating medium : water
- Connections : 3 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request

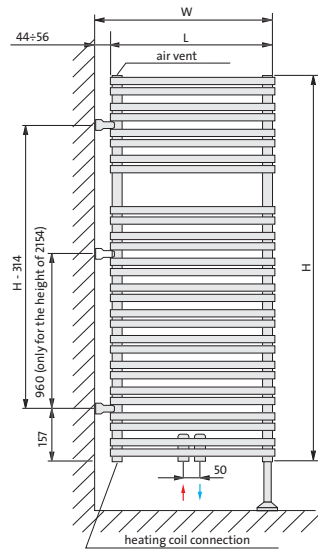


- Basic equipment : brackets with adjustable wall distance, ½" air vent, two ½" blanking plugs
- Additional equipment : straight chrome plated hanger, bent chrome plated hanger, glass shelf, C-type chrome plated hanger, round chrome plated towel hanger, electric heater.

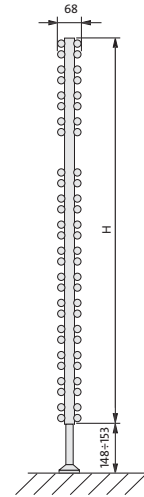
* previously used name of the radiator

bathroom radiators

front view

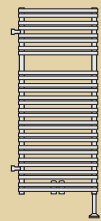


side view



H = height
L = width
W = depth

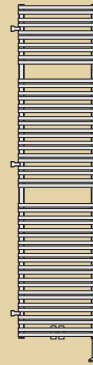
dimensions in mm



MAU 12 ..



MAU 18 ..



MAU 22 ..

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	W [mm]	water volume [dm ³]	weight [kg]	number of horizontal collectors	order code
MAU 12 05	863	440	1194	500	544-556	9,4	20,8	56	F44A012005000300
MAU 12 06	1002	511	1194	600	644-656	11,2	24,2	56	F44A012006000300
MAU 12 07	1202	613	1194	750	794-806	14,0	29,4	56	F44A012007500300
MAU 12 09	1395	712	1194	900	944-956	16,6	34,4	56	F44A012009000300
MAU 18 05	1216	620	1754	500	544-556	14,2	28,8	80	F44A018005000300
MAU 18 06	1435	732	1754	600	644-656	16,6	34,9	80	F44A018006000300
MAU 18 07	1758	897	1754	750	794-806	20,0	42,1	80	F44A018007500300
MAU 18 09	2073	1058	1754	900	944-956	23,4	49,5	80	F44A018009000300
MAU 22 05	1445	737	2154	500	544-556	17,3	37,1	100	F44A022005000300
MAU 22 06	1724	880	2154	600	644-656	20,4	34,3	100	F44A022006000300
MAU 22 07	2145	1094	2154	750	794-806	25,1	52,2	100	F44A022007500300
MAU 22 09	2560	1306	2154	900	944-956	29,5	61,6	100	F44A022009000300

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock.

bathroom radiators



Java

Horizontal heating elements of the Java model have an unusual elliptic shape. Their angled positioning resembling venetian blinds gives the impression of lightness.

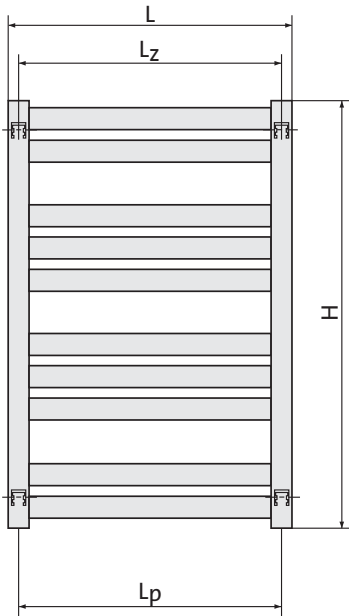
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 8 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



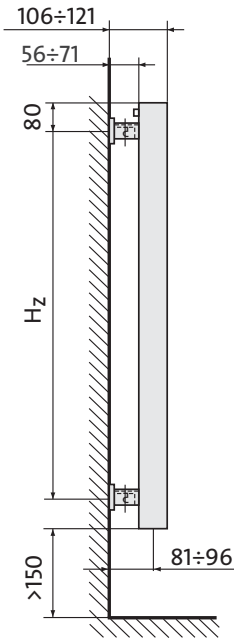
- Basic equipment : brackets with adjustable wall distance, 1/8" air vent
- Additional equipment : electric heater.

bathroom radiators

front view



side view

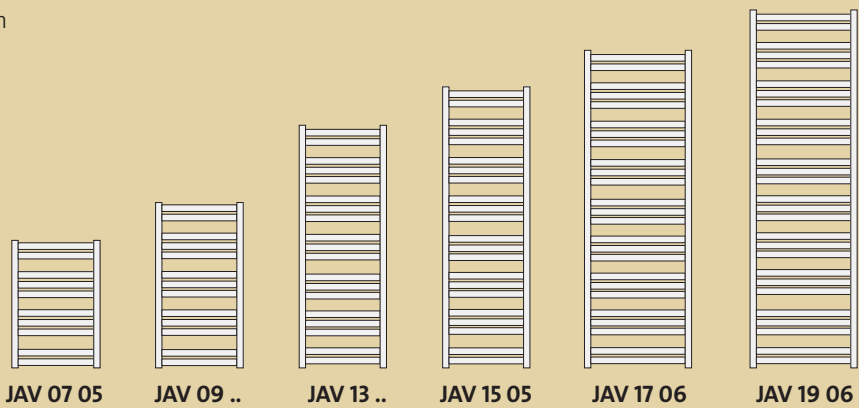


top view



- H = height
- L = width
- Lz = horizontal spacing of brackets
- Hz = vertical spacing of brackets
- Lp = spacing of connectors

dimensions in mm



type	output [W]		H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm ³]	weight [kg]	number of horizontal collectors	order code
	75/65/20 °C	55/45/20 °C			Hz [mm]	Lz [mm]					
JAV 07 05	358	183	700	500	520	470	470	3,2	6,6	10	F4M-NOB1050CS2A1SRP
JAV 09 04	393	201	912	400	750	370	370	3,7	7,3	13	F4M-NOB1340CS2A1SRP
JAV 09 05	463	236	912	500	750	470	470	4,2	8,7	13	F4M-NOB1350CS2A1SRP
JAV 13 04	568	290	1336	400	1170	370	370	5,4	10,8	19	F4M-NOB1940CS2A1SRP
JAV 13 05	668	341	1336	500	1170	470	470	6,1	12,3	19	F4M-NOB1950CS2A1SRP
JAV 15 05	780	398	1548	500	1320	470	470	7,0	14,3	22	F4M-NOB2250CS2A1SRP
JAV 17 06	1015	518	1760	600	1600	570	570	8,9	18,9	25	F4M-NOB2560CS2A1SRP
JAV 19 06	1137	580	1972	600	1790	570	570	10,0	20,9	28	F4M-NOB2860CS2A1SRP

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock.

bathroom radiators



Muna

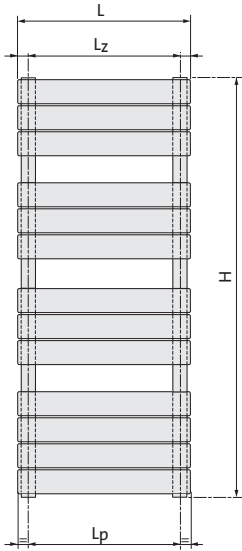
Flat heating elements of the Muna model give it a stark appearance, making it an excellent match for a minimalist interior where an attractive detail is of particular significance.

- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 4 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request
- Basic equipment: brackets with adjustable wall distance, 1/8" air vent.
- Additional equipment: straight hanger, round hanger, V-type towel hanger, electric heater.

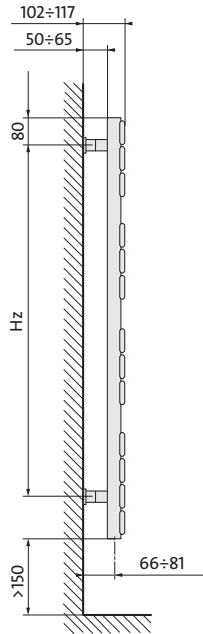


bathroom radiators

front view



side view

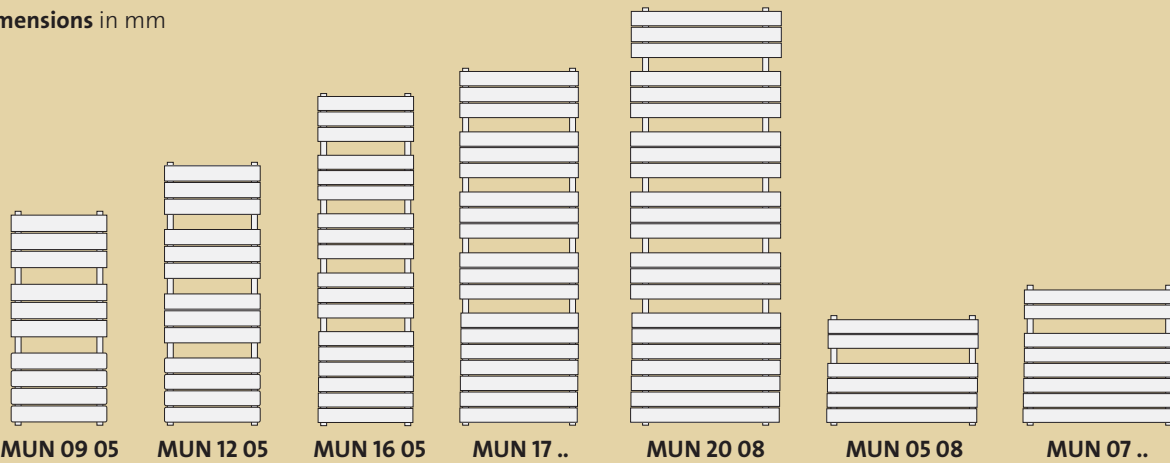


top view



- H = height
- L = width
- Lz = horizontal spacing of brackets
- Hz = vertical spacing of brackets
- Lp = spacing of connectors

dimensions in mm



type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
MUN 09 05	470	240	905	500	620	438	447	4,8	10,8	10	F8G-CHB1050CS2A1SRP
MUN 12 05	602	307	1205	500	990	438	447	6,3	14,1	13	F8G-CHB1350CS2A1SRP
MUN 16 05	815	416	1650	500	1460	438	447	8,6	19,4	18	F8G-CHB1850CS2A1SRP
MUN 17 06	987	504	1730	600	1460	538	547	10,3	23,1	19	F8G-CHB1960CS2A1SRP
MUN 17 08	1311	669	1730	800	1460	738	747	12,3	29,1	19	F8G-CHB1980CS2A1SRP
MUN 20 08	1464	747	2030	800	1790	738	747	14,3	33,9	22	F8G-CHB2280CS2A1SRP
MUN 05 08	400	204	530	800	330	738	747	3,8	9,6	6	F8G-CHB0680CS2A1SRA
MUN 07 10	653	333	680	1000	520	938	947	6,0	16,5	8	F8G-CHB0810CS2A1SRP
MUN 07 12	784	400	680	1200	520	1138	1147	7,2	21,5	8	F8G-CHB0812CS2A1SRP

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock.

bathroom radiators



Flores CH

A minimalist form radiator. Captivating with the simplicity of its shape and precision of execution. High quality chrome finishing allows for arrangement of the Flores CH radiator in both classic and modern bathrooms.

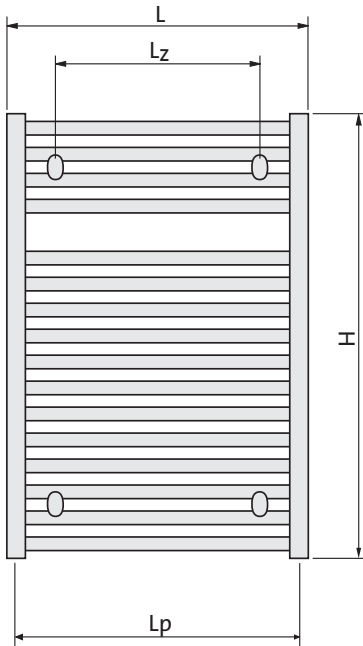
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 8 bar
- Maximal temperature : 110 °C
- Painting : chrome electroplating



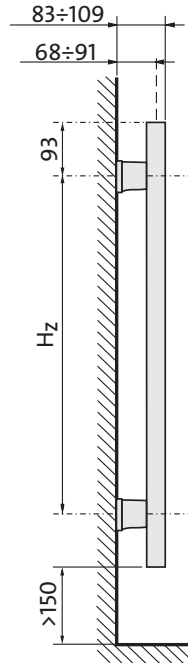
- Basic equipment : chrome plated brackets with adjustable wall distance, ½" air vent, blanking plug
- Additional equipment : round chrome plated towel hanger, electric heater.

bathroom radiators

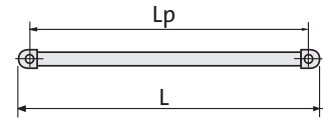
front view



side view

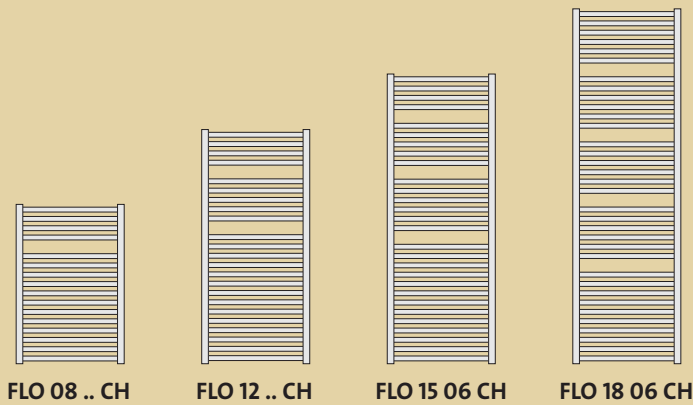


top view



- H = height
- L = width
- Lz = horizontal spacing of brackets
- Hz = vertical spacing of brackets
- Lp = spacing of connectors

dimensions in mm



type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
FLO 08 05 CH	258	134	770	500	584	350	455	3,54	7,0	16	F35A00800500030SCHRO
FLO 12 05 CH	354	186	1150	500	964	350	455	5,20	10,1	23	F35A01200500030SCHRO
FLO 08 06 CH	296	156	770	600	584	450	555	4,04	7,7	16	F35A00800600030SCHRO
FLO 12 06 CH	423	221	1150	600	964	450	555	5,92	11,3	23	F35A01200600030SCHRO
FLO 15 06 CH	508	268	1430	600	1244	450	555	7,30	14,0	28	F35A01500600030SCHRO
FLO 18 06 CH	635	337	1755	600	1569	450	555	8,84	16,9	34	F35A01800600030SCHRO

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

■ types of the radiators available in stock.

Grzejnik chromowany. PKWiU 28.22.11-50.20.



Flores C CH

Subtle curvature of horizontal collectors makes the Flores C CH model exceptionally practical in daily use. Its versatility is highlighted by timeless chrome plating.

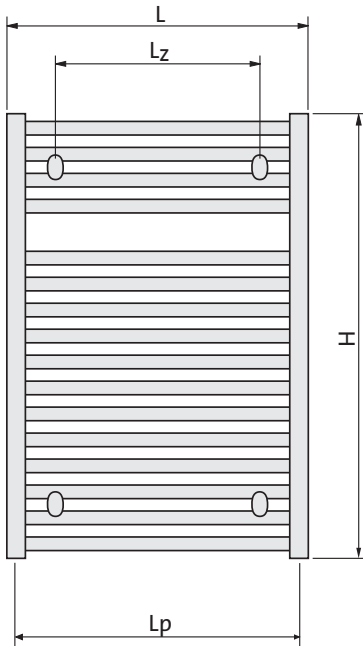
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 8 bar
- Maximal temperature : 110 °C
- Painting : chrome electroplating



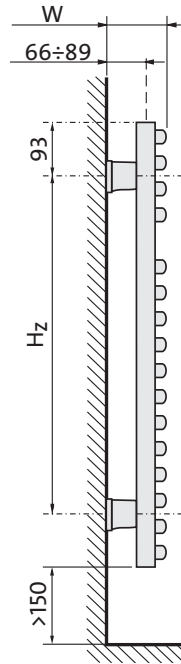
- Basic equipment : chrome plated brackets with adjustable wall distance, ½" air vent, blanking plug
- Additional equipment : round chrome plated towel hanger, electric heater.

bathroom radiators

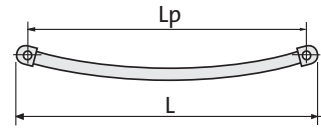
front view



side view

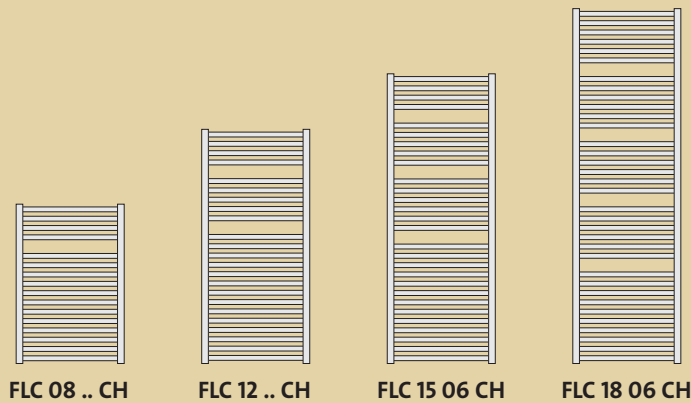


top view



- H = height
- L = width
- Lz = horizontal spacing of brackets
- Hz = vertical spacing of brackets
- Lp = spacing of connectors

dimensions in mm



type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	W [mm]	brackets			water volume [dm³]	weight [kg]	number of horizontal collectors	order code
						Hz [mm]	Lz [mm]	Lp [mm]				
FLC 08 05 CH	258	134	770	500	100-123	584	300	455	3,54	7,0	16	F33A00800500030SCHRO
FLC 12 05 CH	354	186	1150	500	100-123	964	300	455	5,20	10,1	23	F33A01200500030SCHRO
FLC 08 06 CH	296	156	770	600	109-132	584	400	555	4,04	7,7	16	F33A00800600030SCHRO
FLC 12 06 CH	423	221	1150	600	109-132	964	400	555	5,92	11,3	23	F33A01200600030SCHRO
FLC 15 06 CH	508	268	1430	600	109-132	1264	400	555	7,30	14,0	28	F33A01500600030SCHRO
FLC 18 06 CH	635	337	1755	600	109-132	1569	400	555	8,84	16,9	34	F33A01800600030SCHRO

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

Types of the radiators available in stock.

Grzejnik chromowany. PKWiU 28.22.11-50.20.

bathroom radiators



Elato

Flat heating elements located asymmetrically with respect to the vertical collectors add extravagance and, at the same time, preserve high functionality.

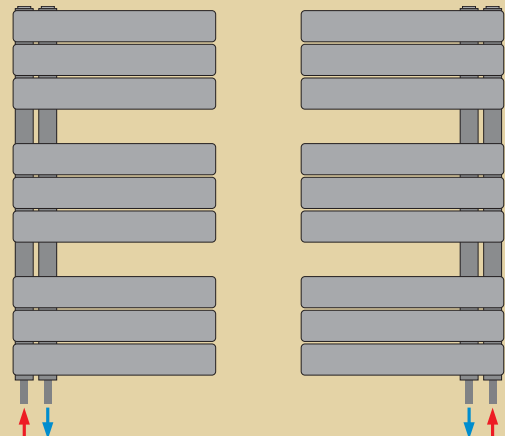
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 4 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



- Basic equipment : brackets with adjustable wall distance, ½" air vent and blanking plug
- Additional equipment : straight hanger, round hanger, V-type towel hanger, electric heater.

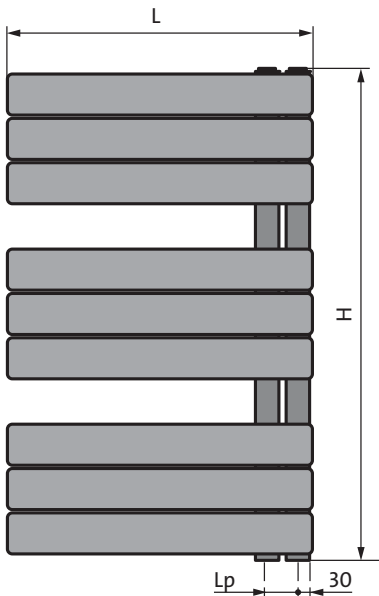
Note!

- Supply and return pipes are ALWAYS bottom-connected (can be swapped)
- The radiator is up/down reversible which allows for achieving left and right side versions.

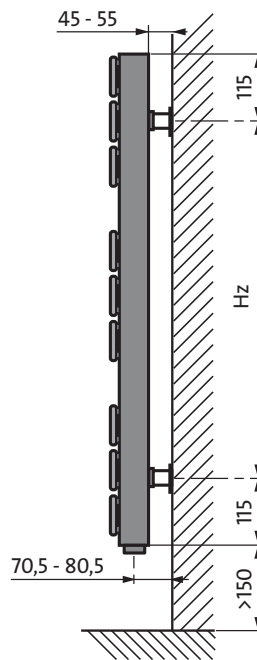


bathroom radiators

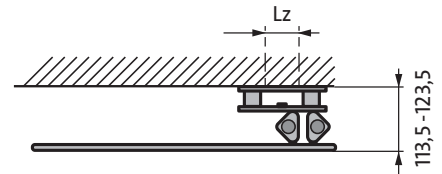
front view



side view

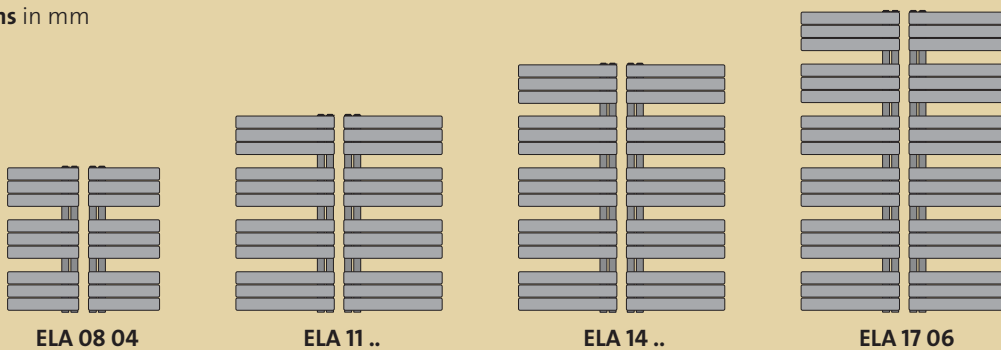


top view



- H = height
- L = width
- Lz = horizontal spacing of brackets
- Hz = vertical spacing of brackets
- Lp = spacing of connectors

dimensions in mm



type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
ELA 08 04	406	207	830	450	600	50	50	4,2	9,7	9	F8M-ARB0945CS4A1SPU
ELA 11 04	528	269	1130	450	900	50	50	5,7	13,1	12	F8M-ARB1245CS4A1SPU
ELA 11 06	706	360	1130	600	900	50	50	6,7	16,1	12	F8M-ARB1260CS4A1SPU
ELA 14 04	668	341	1430	450	1200	50	50	7,2	16,4	15	F8M-ARB1545CS4A1SPU
ELA 14 06	855	436	1430	600	1200	50	50	8,5	20,2	15	F8M-ARB1560CS4A1SPU
ELA 17 06	1008	514	1730	600	1500	50	50	10,2	24,3	18	F8M-ARB1860CS4A1SPU

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

■ types of the radiators available in stock.



Apolima

Original shape of arched horizontal collectors introduces an element of balance and harmony to every space.

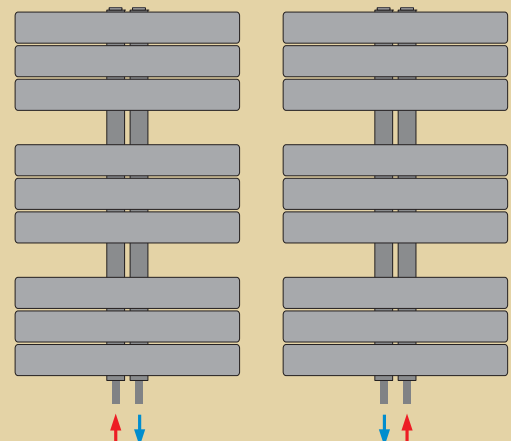
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 4 bar
- Maximal temperature : 110 C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



- Basic equipment : brackets with adjustable wall distance, ½" air vent and blanking plug
- Additional equipment : straight hanger, round hanger, V-type towel hanger, electric heater.

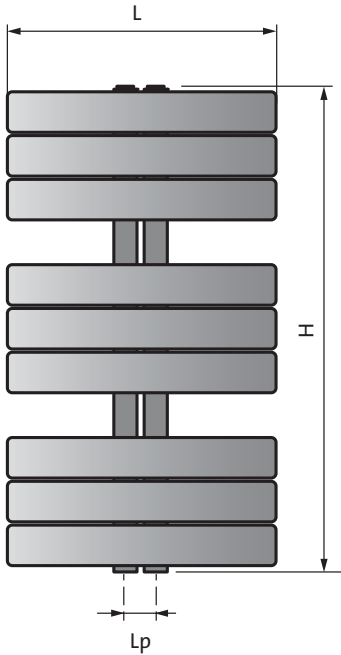
Note!

- Supply and return pipes are ALWAYS bottom-connected (can be swapped).

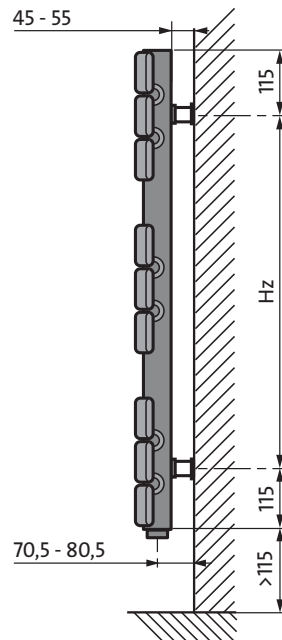


bathroom radiators

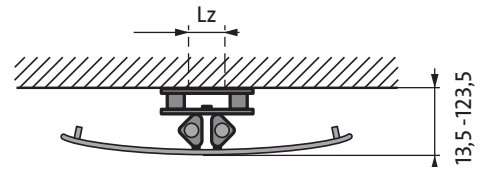
front view



side view

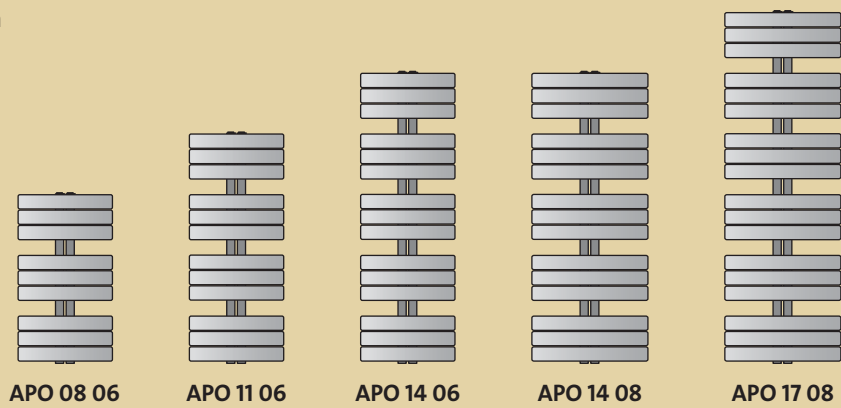


top view



- H = height
- L = width
- Lz = horizontal spacing of brackets
- Hz = vertical spacing of brackets
- Lp = spacing of connectors

dimensions in mm



type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
APO 08 06	558	285	830	650	600	50	50	5,3	12,8	9	F8M-BAL0965CS2A1SRA
APO 11 06	732	373	1130	650	900	50	50	7,1	17,1	12	F8M-BAL1265CS2A1SRA
APO 14 06	909	464	1430	650	1200	50	50	8,9	21,5	15	F8M-BAL1565CS2A1SRA
APO 14 08	1086	554	1430	800	1200	50	50	10,2	25,3	15	F8M-BAL1580CS2A1SRA
APO 17 08	1300	663	1730	800	1500	50	50	12,2	29,4	18	F8M-BAL1880CS2A1SRA

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

■ types of the radiators available in stock.

bathroom radiators



Apia

Straight lines of double horizontal collectors provide high thermal output at compact dimensions.

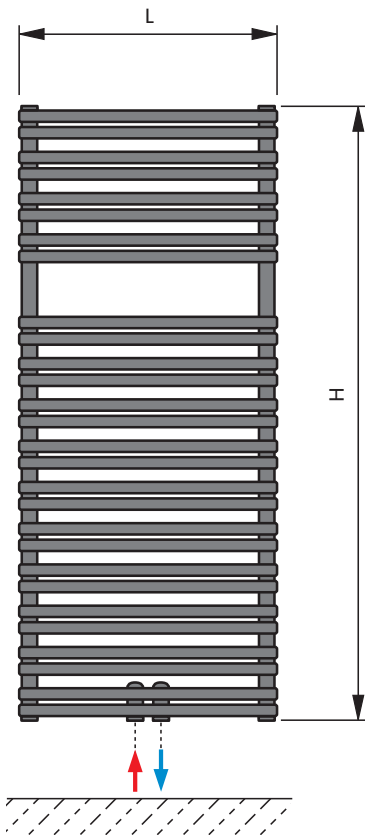
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections for central bottom connection (connectors spaced at 50 mm) and 4 threaded ½" female connections for end bottom connection.
- Working pressure : 10 bar
- Maximal temperature : 110 C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



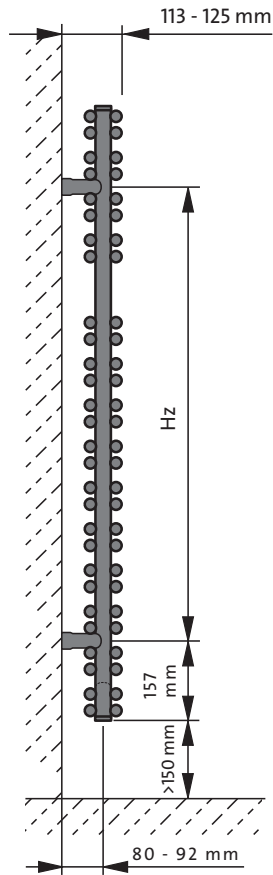
- Basic equipment : brackets with adjustable wall distance, ½" air vent and blanking plugs
- Additional equipment : straight hanger, round hanger, V-type towel hanger, electric heater.

bathroom radiators

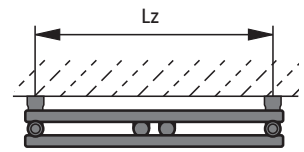
front view



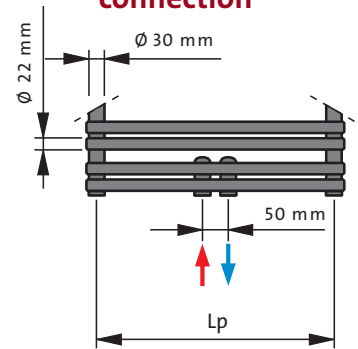
side view



top view



connection



H = height

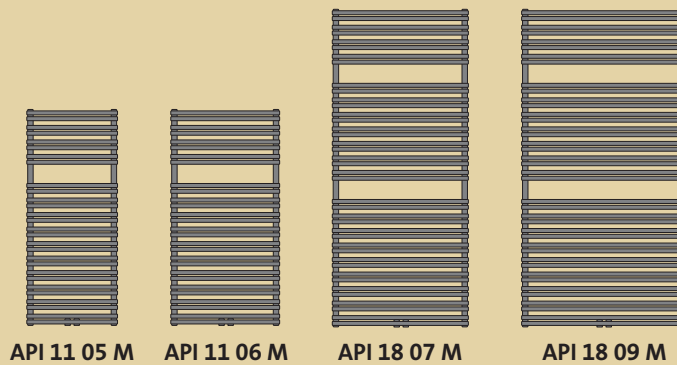
L = width

Lz = horizontal spacing of brackets

Hz = vertical spacing of brackets

Lp = spacing of connectors

dimensions in mm



API 11 05 M

API 11 06 M

API 18 07 M

API 18 09 M

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	brackets			water volume [dm ³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]	Lp [mm]				
API 11 05 M	780	398	1134	500	882	460	460	7,9	18,2	46	F3VE011005000000
API 11 06 M	938	479	1134	600	882	560	560	9,3	20,7	46	F3VE011006000000
API 11 07 M	1183	604	1134	750	882	710	710	11,2	24,3	46	F3VE011007500000
API 11 09 M	1429	729	1134	900	882	860	860	13,1	28,0	46	F3VE011009000000
API 18 05 M	1243	634	1764	500	1512	460	460	13,1	27,7	72	F3VE018005000000
API 18 06 M	1474	752	1764	600	1512	560	560	14,9	31,9	72	F3VE018006000000
API 18 07 M	1794	915	1764	750	1512	710	710	17,3	38,0	72	F3VE018007500000
API 18 09 M	2127	1085	1764	900	1512	860	860	19,8	44,1	72	F3VE018009000000

Thermal output of the radiators (W) in accordance with PN-EN 442 for the values of parameters 75/65/20 °C and 55/45/20 °C.

types of the radiators available in stock.

heating medium temperature [°C]		value of the factor for calculating the heat output of the radiator at temperatures other than 75/65/20 °C							
		ti air temperature in the heated room [°C]							
t ₁	t ₂	5	8	12	16	18	20	22	24
95	90	0.48	0.50	0.54	0.57	0.59	0.61	0.64	0.66
	85	0.50	0.52	0.56	0.60	0.62	0.64	0.67	0.70
	80	0.52	0.55	0.59	0.63	0.65	0.68	0.70	0.73
	75	0.54	0.57	0.61	0.66	0.69	0.72	0.75	0.78
	70	0.57	0.60	0.65	0.70	0.73	0.76	0.79	0.83
90	85	0.52	0.55	0.58	0.63	0.65	0.67	0.70	0.73
	80	0.54	0.57	0.61	0.66	0.68	0.71	0.74	0.77
	75	0.57	0.60	0.64	0.69	0.72	0.75	0.78	0.82
	70	0.59	0.63	0.67	0.73	0.76	0.80	0.83	0.87
	65	0.62	0.66	0.71	0.77	0.81	0.85	0.89	0.93
85	80	0.56	0.59	0.64	0.69	0.72	0.75	0.78	0.81
	75	0.59	0.62	0.67	0.72	0.75	0.79	0.82	0.86
	70	0.62	0.65	0.70	0.77	0.80	0.84	0.88	0.92
	65	0.65	0.69	0.75	0.81	0.85	0.89	0.94	0.99
	60	0.68	0.73	0.79	0.87	0.91	0.96	1.01	1.07
80	75	0.61	0.65	0.70	0.76	0.79	0.83	0.87	0.91
	70	0.64	0.68	0.74	0.81	0.84	0.88	0.93	0.97
	65	0.68	0.72	0.78	0.86	0.90	0.94	0.99	1.05
	60	0.72	0.76	0.83	0.91	0.96	1.01	1.07	1.13
	55	0.76	0.81	0.89	0.98	1.04	1.10	1.16	1.24
75	70	0.67	0.72	0.78	0.85	0.89	0.94	0.98	1.04
	65	0.71	0.75	0.82	0.90	0.95	1.00	1.05	1.12
	60	0.75	0.80	0.88	0.97	1.02	1.08	1.14	1.21
	55	0.80	0.85	0.94	1.04	1.10	1.17	1.24	1.32
	50	0.85	0.91	1.01	1.13	1.20	1.28	1.37	1.47
70	65	0.75	0.79	0.87	0.96	1.01	1.07	1.13	1.19
	60	0.79	0.84	0.93	1.03	1.08	1.15	1.22	1.30
	55	0.84	0.90	0.99	1.11	1.17	1.25	1.33	1.42
	50	0.89	0.96	1.07	1.20	1.28	1.37	1.47	1.58
65	60	0.83	0.89	0.98	1.10	1.16	1.23	1.31	1.40
	55	0.88	0.95	1.05	1.18	1.26	1.34	1.43	1.54
	50	0.94	1.02	1.14	1.29	1.37	1.47	1.59	1.71
60	55	0.94	1.01	1.13	1.27	1.36	1.45	1.56	1.68
	50	1.00	1.08	1.22	1.39	1.48	1.60	1.73	1.87
	45	1.08	1.17	1.33	1.53	1.65	1.78	1.94	2.13
55	50	1.07	1.16	1.31	1.50	1.62	1.75	1.90	2.07
	45	1.15	1.26	1.43	1.66	1.80	1.96	2.15	2.37
	40	1.25	1.37	1.59	1.86	2.03	2.24	2.48	2.78
50	45	1.23	1.36	1.56	1.82	1.98	2.17	2.40	2.67
	40	1.34	1.48	1.73	2.05	2.25	2.50	2.79	3.15
	35	1.47	1.65	1.94	2.36	2.63	2.96	3.38	3.92
45	40	1.45	1.62	1.90	2.28	2.53	2.83	3.19	3.66
	35	1.60	1.80	2.15	2.64	2.96	3.37	3.89	4.58
40	35	1.75	1.98	2.40	3.00	3.41	3.93	4.62	5.54
	30	1.96	2.25	2.79	3.61	4.21	5.01	6.14	7.87

The table has been prepared for n = 1.3

example:

The calculated room heat demand is 800 W. For the supply water the designed temperature is 55 °C, and for the return water it is 45 °C. The designed air temperature in the room is 20 °C. For the values of parameters 55/45/20 °C, the correction factor value of 1.96 is red off. As a result of multiplying heat demand (800 W) by the correction factor (1.96), the

value of heat output is found (1568 W). This value is used for selection of the radiator for the parameters 75/65/20 °C.

This means that the designed radiator achieves the heat output value of 800W for the parameters 55/45/20 °C, and 1568 W for the parameters 75/65/20 °C.

Thermostatic heads for radiators

additional information

The Kos H and Faro H decorative radiators are equipped with the Oventrop valve insert providing pre-setting. It can cooperate with the following heads:

MANUFACTURER	CATALOGUE NUMBER
Comap Senso RI	100 100
Danfoss RAW-K 5135	013G5135
Heimeier K	6000-00.500, 6020-00.500 6040-00.500
Heimeier DX	6700-00.500
Heimeier D	6850-00.500
Heimeier B	2500-00.500, 2502-00.500
Heimeier WK	7300-00.500
Heimeier VD	7400-00.500
Herz Classic „H”	17260 98, 19260 98, 17330 98, 19330 98
Herz Mini „H”	19200 68, 19200 38
Herz Hercules „H”	19860 98

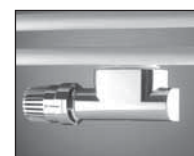
MANUFACTURER	CATALOGUE NUMBER
Honeywell Thera 2	T9001H(...), T9001W(...), T9001 08, T9001 20, T9001 50
Honeywell Thera 3	T6001H(...), T6001W(...), T6001 08, T6001 20, T6001 50
Honeywell Thera 4	T3001, T2001
Oventrop UNI XH	101 1365
Oventrop UNI LH	101 1465, 67, 68, 69
Oventrop UNI CH	101 1265
Oventrop UNI DH	101 1065
Oventrop UNI SH	101 2065
Schlosser Diamant	6001 00001
Schlosser Brillant	6002 0000 (...)
Valvex GZ 05A	4440010, 4440410
Valvex GZ 07A	4445000

The Kos V and Faro V radiators are not equipped with any valve insert. They can be connected through special combined thermostatic valve assemblies with 50 mm spacing.

Some models of bathroom radiators (Kea, Ratea, Sardinia, Mauritius, Elato, Apolima, Apia) having bottom connectors with 50 mm spacing can also be connected through these combined thermostatic valve assemblies.

Examples of types and manufacturers are presented in the table.

MANUFACTURER	CATALOGUE NUMBER	
	VALVE	HEAD
Danfoss VHX-DUO + RAX	013G4281 – white finishing RAL9016 013G4279 – chrome plated finishing	
Heimeier Multilux	3851-02.000 3850-02.000	as for the decorative radiators with a valve insert
Herz	13692 91 13694 91	19260 06, 17260 06, 19200 60, 17260 40
Honeywell Therafix	V2474YE0015 V2474YD0015	as for the decorative radiators with a valve insert
Oventrop Multiblock T	118 40 83 118 40 84	as for the decorative radiators with a valve insert
Schlosser Duo-plex	6021 00001, 6021 00003, 6021 00005, 6021 00007	as for the decorative radiators with a valve insert



mounting distances

The distances from the radiator to the floor and to the cill board should be at least 100 mm. If maintaining these distances is not possible, they can be reduced to 70-100 mm from the floor and the cill board, provided the heat output of the radiator is increased by 5-10%. If these distances are smaller than 70 mm, lower height radiators must be used. The radiator must be installed in its factory packaging. If the heating system is used for heating during finishing works or for drying, the radiator should stay in its packaging. If the packaging

was destroyed, the radiator must be protected from fouling in some other way. It is recommended to remove the packaging after the completion of all finishing works. Pipe branches should be shaped in a manner preventing any stress from occurring after connecting and fastening of fittings. Bending of the pipe branch with a radiator installed, heating the radiator with a burner or a blowtorch and performing other activities imposing a risk of deformation of the radiator or its paint coating is not allowable.

	description	dimensions, colours, outputs	order code
	straight chrome plated hanger		
	Kea, Ratea, Mauritius	492 mm	AZ1CR049C100100SCHRO
	Imia	492 mm	AZ1CR049C300100SCHRO
	Kea, Ratea (width 600, 750), Mauritius (width 600, 750, 900)	596 mm	AZ1CR060C100100SCHRO
	Imia (width 822, 1030, 1238)	596 mm	AZ1CR060C300100SCHRO
	Kea (width 750, 900), Mauritius (width 900)	804 mm	AZ1CR080C100100SCHRO
	Imia (width 822, 1030, 1238)	804 mm	AZ1CR080C300100SCHRO
	Imia (width 1030, 1238)	1012 mm	AZ1CR101C300100SCHRO
	bent chrome plated hanger		
	Kea, Ratea, Mauritius	500 mm	AZ1BT050C100100SCHRO
	Kea (width 750, 900), Ratea (width 750), Mauritius (width 750, 900)	650 mm	AZ1BT065C100100SCHRO
	glass shelf		
	Kea, Ratea, Mauritius	300 mm	AZ1GS030C100100SCHRO
	Kea, Ratea, Mauritius	500 mm	AZ1GS050C100100SCHRO
	Kea (width 750, 900), Ratea (width 750), Mauritius (width 750, 900)	650 mm	AZ1GS065C100100SCHRO
	C-type chrome plated hanger		
	Kea, Ratea, Mauritius		AZ1HT000C100100SCHRO
	Santorini		AZ1HT000C200100SCHRO
	round chrome plated towel hanger		
	Kea, Ratea, Mauritius		AZ1TR000C100100SCHRO
	Santorini, Santorini C		AZ1TR000C200100SCHRO
	Imia		AZ1TR000C300100SCHRO
	clothing hanger		
	Imia		AZ1BH000C000100SCHRO
	straight hanger		
	Muna	white	F8J-BARP40BL
		chrome plated	F8J-BARP40CH
	round hanger		
	Muna	white	F8J-ANOPBL
		chrome plated	F8J-ANOPCH
	V-type towel hanger - 2 pcs		
	Muna	white	F8J-PATVPBL
		chrome plated	F8J-PATVPCH
	electric heater		
	all models	300 W *	AZ12EH0000030000
		600 W *	AZ12EH0000060000
		900 W *	AZ12EH0000090000

*Note: heater power must be selected appropriately to the thermal output of the radiator.

The integrated quality and environmental management system in accordance with ISO 9001 and ISO 14001 implemented in our company are certified by the British Standards Institution.



Rettig Heating.

This company of the Finnish origin is the biggest manufacturer of radiators in Poland and Europe. High quality materials and a partnership backed by actions are the key to our company success. Our radiators proved themselves in the tough climate of Northern Scandinavia. Throughout 50 years of our operation we have earned recognition on the European markets as well as in countries on other continents.

This allows us to provide services for small undertakings with commitment as high as for large ones. The Rettig Heating company owes its image to the Polish managers and

engineers. Experienced and highly qualified regional managers maintain constant contact with sales units, designers, fitters and investors while caring for the top quality of customer service.

In Poland, we currently employ over 300 employees. We invest in our future staff by cooperating with academic centres in the country. We organize training for designers and installers. All of this we do, because we care for the satisfaction of our customer who can always count on us.

Colours presented here should be considered as demonstrative. Before purchase, the colours should be selected based on the original RAL colour chart only. The manufacturer is not responsible for the selection of colours based on materials printed or displayed on a computer display.



NOTE!!! Different types of radiators can have different shades of the same colour.

**) metallic colours*

Additional colours

additional information

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RAL 4004



RAL 4006



RAL 4008



RAL 4009



RAL 4010



RAL 5004



RAL 5005



RAL 5007



RAL 5008



RAL 5009



RAL 5010



RAL 5012



RAL 5019



RAL 5024



RAL 6001



RAL 6002



RAL 6003



RAL 6004



RAL 6006



RAL 6007



RAL 6008



RAL 6009



RAL 6010



RAL 6011



RAL 6012



RAL 6013



RAL 6014



RAL 6015



RAL 6017



RAL 6018



RAL 6020



RAL 6021



RAL 6022



RAL 6024



RAL 6025



RAL 6026



RAL 6028



RAL 6032



RAL 6033



RAL 6034



RAL 7000



RAL 7002



RAL 7003



RAL 7004



RAL 7005



RAL 7006



RAL 7008



RAL 7009



RAL 7010

Additional colours

additional information

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NOTE!!! Different types of radiators can have different shades of the same colour.

**) metallic colours*

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PURMO 
clever heating solutions