

Technical catalogue

decorative and bathroom radiators,
fan convectors



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Kos H 6



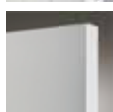
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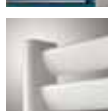
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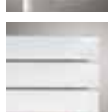
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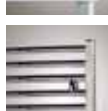
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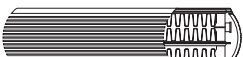
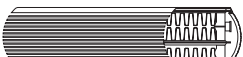
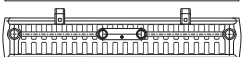
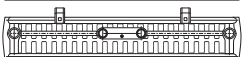
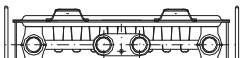
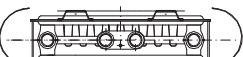
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Type overview

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

	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	2/4
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:

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

where:

t_z - supply water temperature [°C]

t_p - return water temperature [°C]

t_i - room temperature [°C]

decorative radiators



Kos H

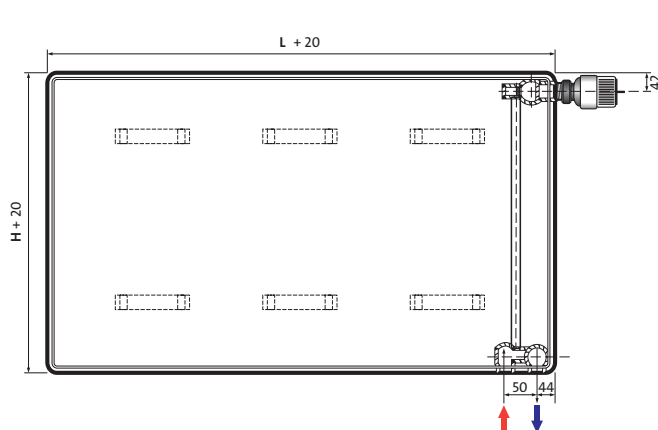
A horizontal decorative radiator with a flat front panel, gently finished edges and a uniquely designed top cover

- 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).

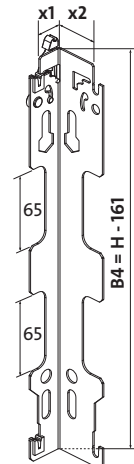
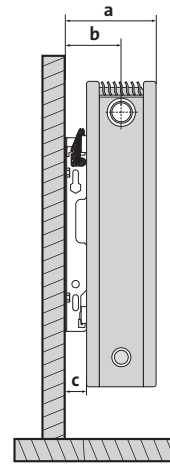


installation with the MCW-5 angle wall brackets

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 mmLonger arm
installation
x2 = 39,5 mm

type KOS H 20

a : 141 mm
b : 84 mm
c : 30 mma : 157 mm
b : 100 mm
c : 46 mm

type KOS H 21

a : 141 mm
b : 84 mm
c : 30 mma : 157 mm
b : 100 mm
c : 46 mm

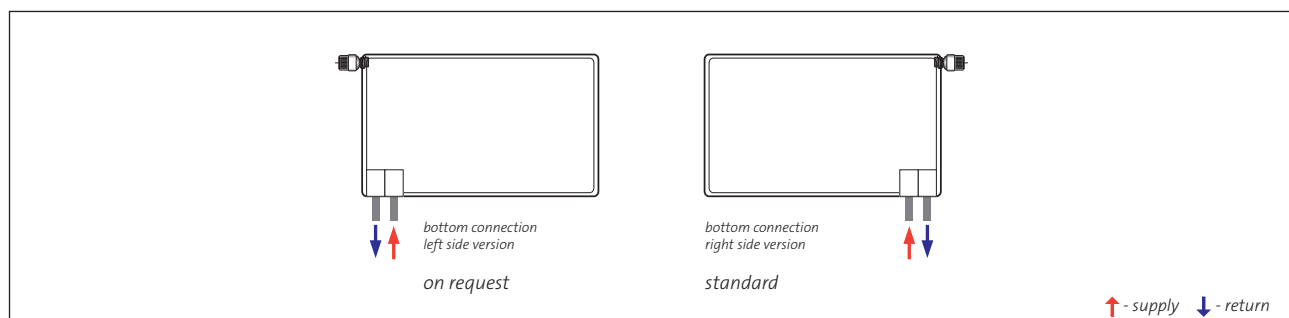
type KOS H 22

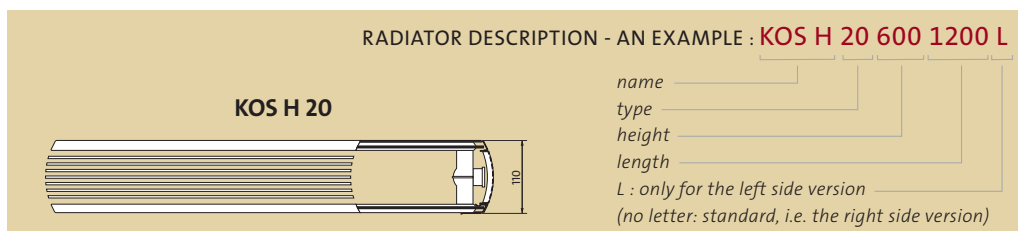
a : 141 mm
b : 84 mm
c : 30 mma : 157 mm
b : 100 mm
c : 46 mm

type KOS H 33

a : 206 mm
b : 84 mm
c : 30 mma : 122 mm
b : 100 mm
c : 46 mm

recommended connections

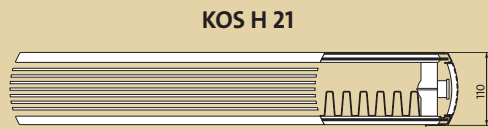




length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	306	428	512	590
	55/45/20 °C	157	221	264	304
600	75/65/20 °C	407	571	683	786
	55/45/20 °C	209	295	352	405
750	75/65/20 °C	509	713	854	983
	55/45/20 °C	262	368	440	507
900	75/65/20 °C	611	856	1024	1179
	55/45/20 °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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RADIATOR DESCRIPTION - AN EXAMPLE : **KOS H 21 600 1200 L**

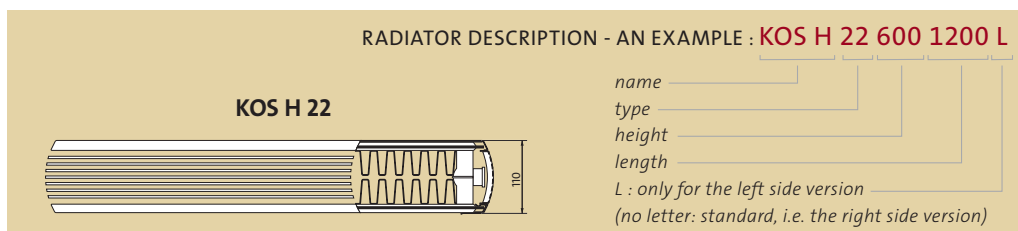
name _____
 type _____
 height _____
 length _____
L : only for the left side version
(no letter: standard, i.e. the right side version)



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.

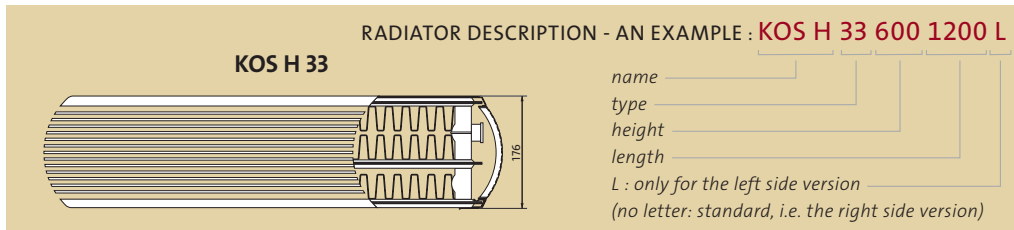
[W/m] 90/70/20 °C	1249	1691	1973	2260
exponent n	1.3261	1.3311	1.3433	1.3440



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	1612	2158	2603	2879
exponent n	1.3318	1.3635	1.3607	1.3897



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

decorative radiators



Faro H

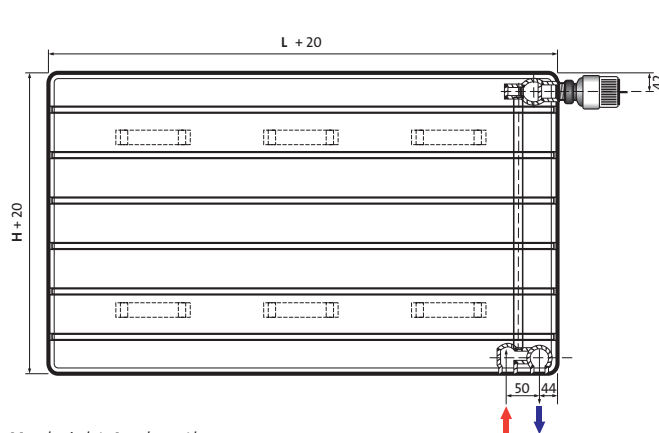
A horizontal decorative radiator with a softly profiled flat front panel, gently finished edges and a uniquely designed top cover.

- 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).

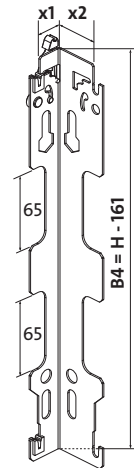
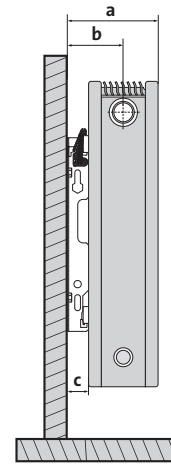


installation with the MCW-5 angle wall brackets

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

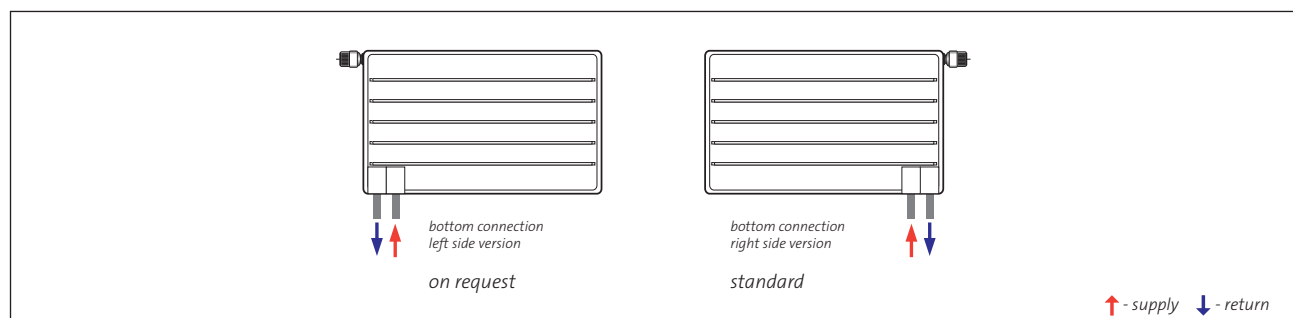
type	height H	length L	2x	3x
20 / 21 / 22	400-600	< 2000	x	
		≥ 2000		x
20 / 21 / 22	750-900	< 1600	x	
		≥ 1600		x
33	400	< 2000	x	
		≥ 2000		x
33	600-900	< 1600	x	
		≥ 1600		x

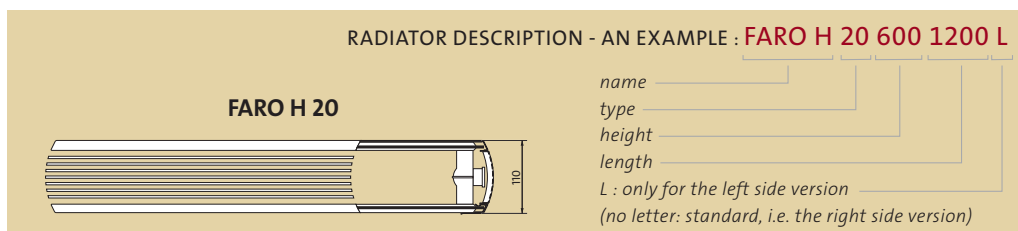
Shorter arm
installation
x1 = 24 mm

Longer arm
installation
x2 = 39,5 mm

type FARO H 20	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
type FARO H 21	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
type FARO H 22	a : 141 mm b : 84 mm c : 30 mm	a : 157 mm b : 100 mm c : 46 mm
type FARO H 33	a : 206 mm b : 84 mm c : 30 mm	a : 122 mm b : 100 mm c : 46 mm

recommended connections

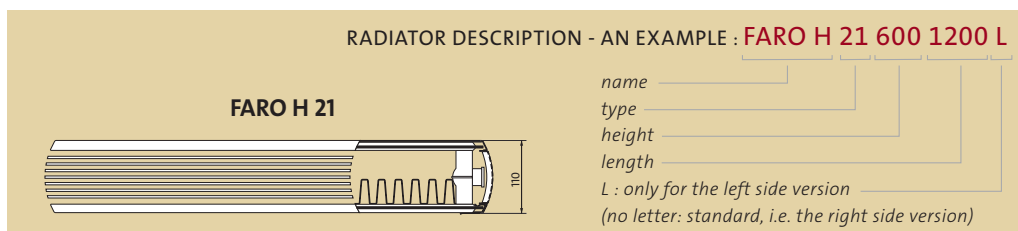




length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	306	428	512	590
	55/45/20 °C	157	221	264	304
600	75/65/20 °C	407	571	683	786
	55/45/20 °C	209	295	352	405
750	75/65/20 °C	509	713	854	983
	55/45/20 °C	262	368	440	507
900	75/65/20 °C	611	856	1024	1179
	55/45/20 °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.

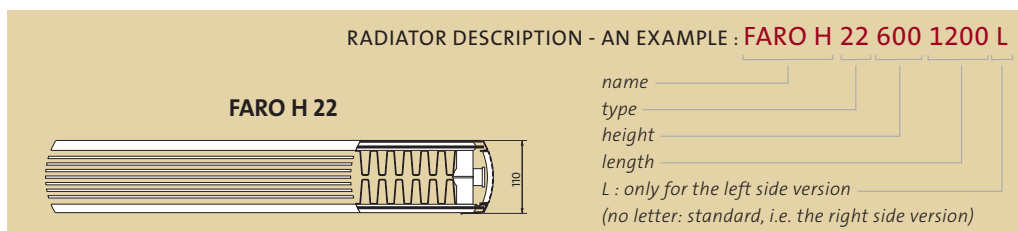
[W/m] 90/70/20 °C exponent n	852 1.2870	1192 1.2801	1427 1.2812	1643 1.2823
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length [mm]	parameters $t_z / t_p / t_i$	height [mm]			
		400	600	750	900
450	75/65/20 °C	445	602	701	802
	55/45/20 °C	224	303	350	400
600	75/65/20 °C	593	802	934	1070
	55/45/20 °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.

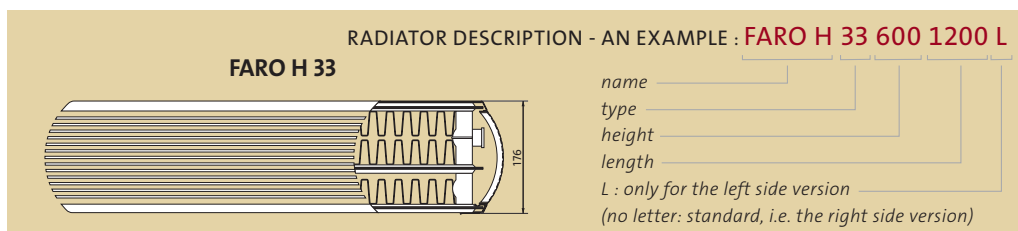
[W/m] 90/70/20 °C	1249	1691	1973	2260
exponent n	1.3261	1.3311	1.3433	1.3440



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	1612	2158	2603	2879
exponent n	1.3318	1.3635	1.3607	1.3897



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

decorative radiators

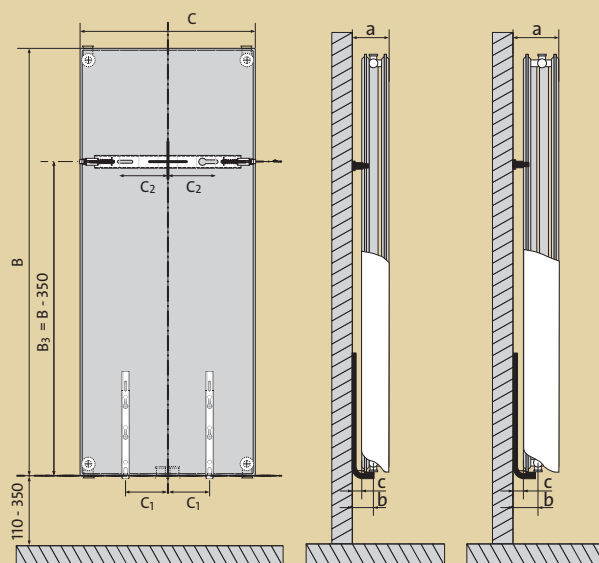
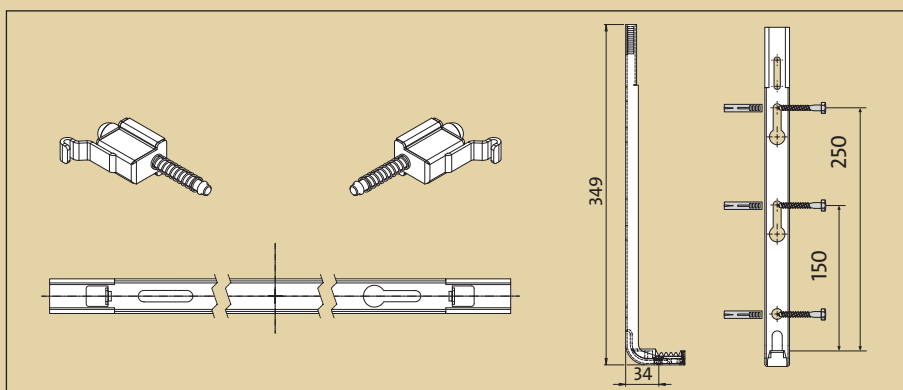


Kos V

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.

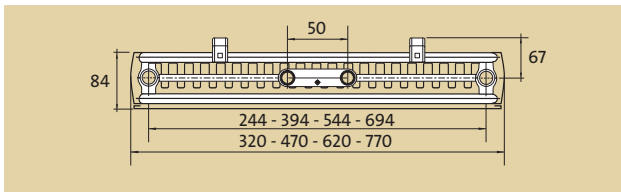
installation



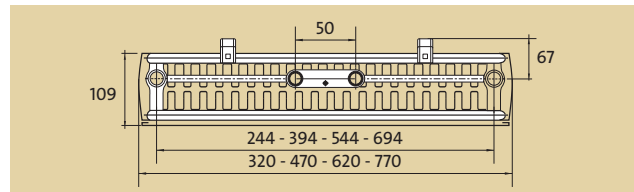
	type KOS V 21				type KOS V 22	
C	300	450	600	750	a :	111 mm
C₁	75	100	175	250	b :	67 mm
C₂	50	125	200	275	c :	27 mm

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

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

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	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
KOS V 21 1800 450 INOX	450	1800	1.3308	45.10	10.10	1183	595
KOS V 21 1950 600 INOX	600	1950	1.3600	64.20	14.30	1601	793
KOS V 21 2100 750 INOX	750	2100	1.3693	83.60	18.30	2095	1032

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

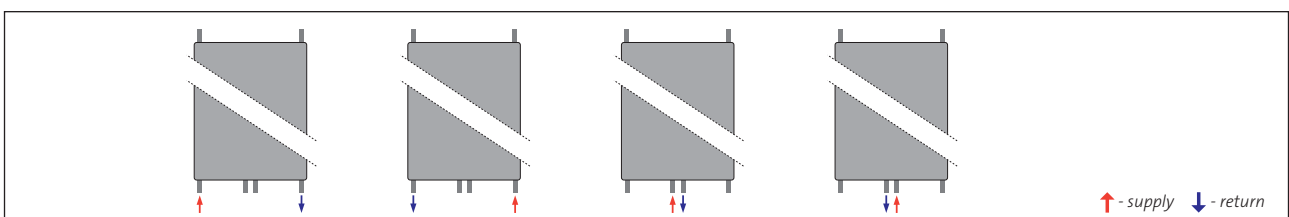
water volume : l/m

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



decorative radiators

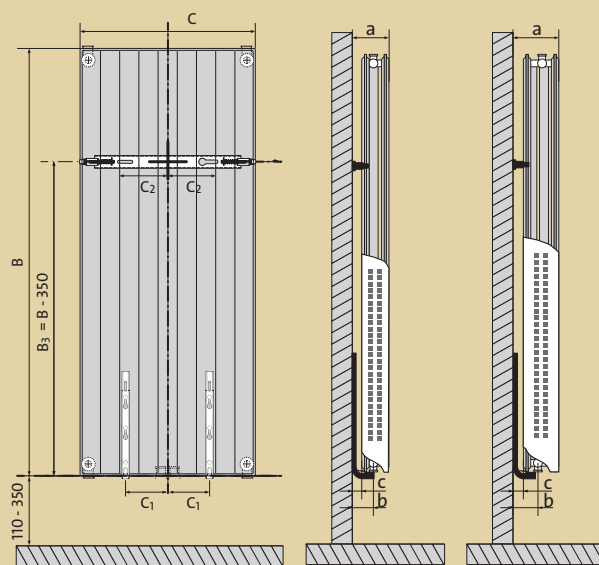
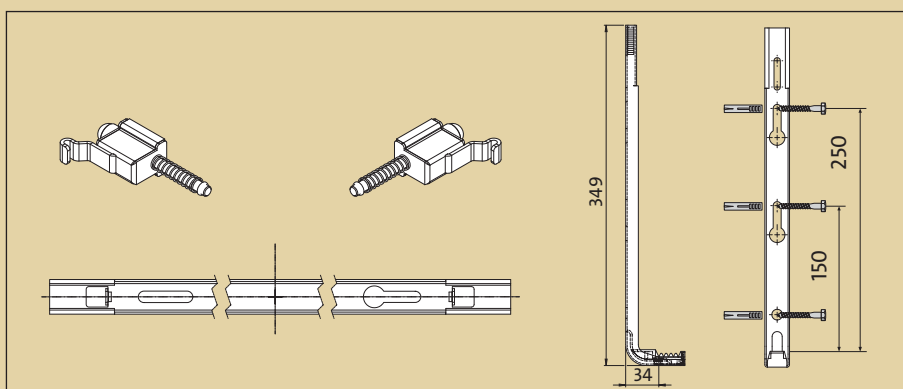


Faro V

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



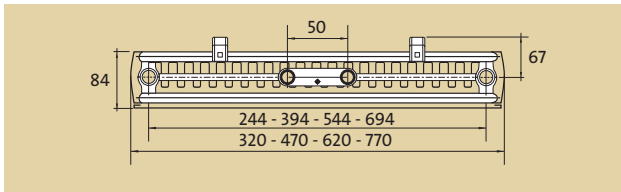
	type FARO V 21				type FARO V 22	
C	300	450	600	750	a :	111 mm
C₁	75	100	175	250	b :	67 mm
C₂	50	125	200	275	c :	27 mm

Faro V *type 21 & type 22*

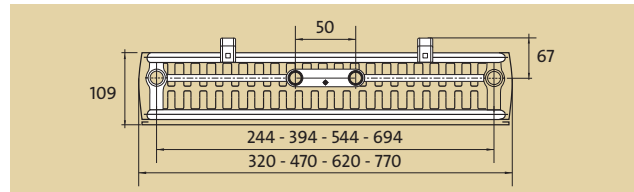
decorative radiators

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

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

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	4415	4725	4898
exponent n	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
FARO V 21 1800 450 INOX	450	1800	1.3308	45.10	10.10	1183	595
FARO V 21 1950 600 INOX	600	1950	1.3600	64.20	14.30	1601	793
FARO V 21 2100 750 INOX	750	2100	1.3693	83.60	18.30	2095	1032

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

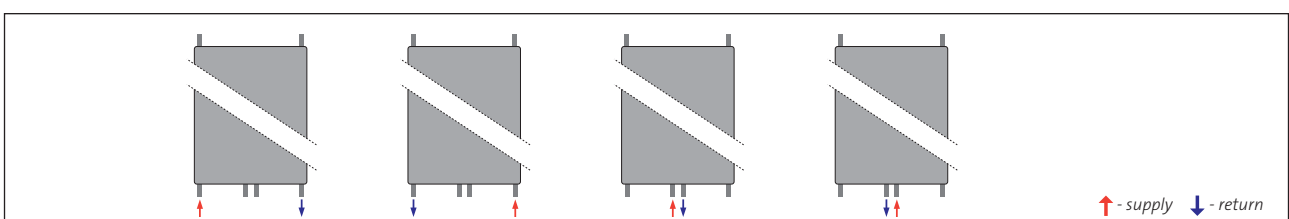
water volume : l/m

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



decorative radiators

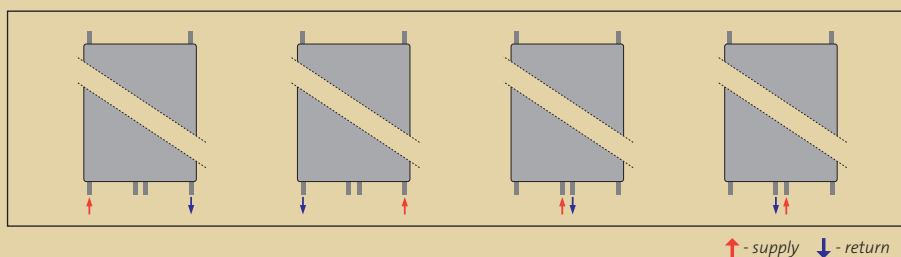


Tinos V

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.

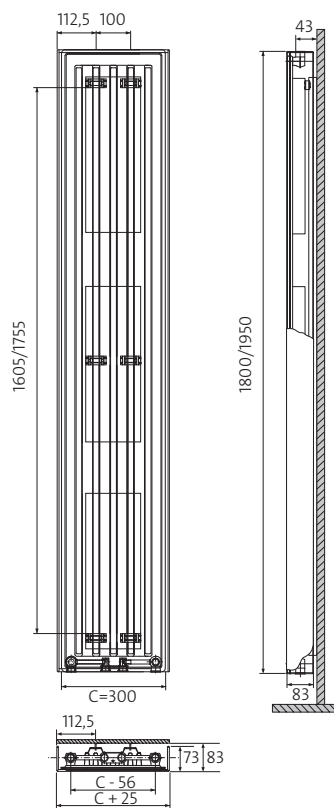
- Connections : 4 x G 1/2" bottom; 2 x G 1/2" top - for the air vent and plug installation
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Many connection possibilities
- Accessories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

recommended connections

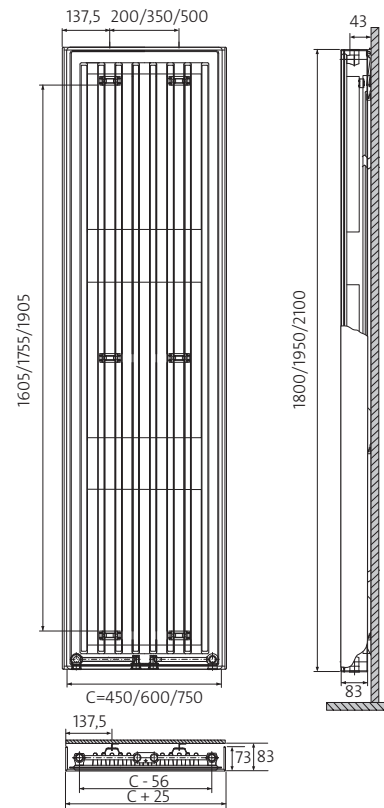


dimensions

type 11 (325)



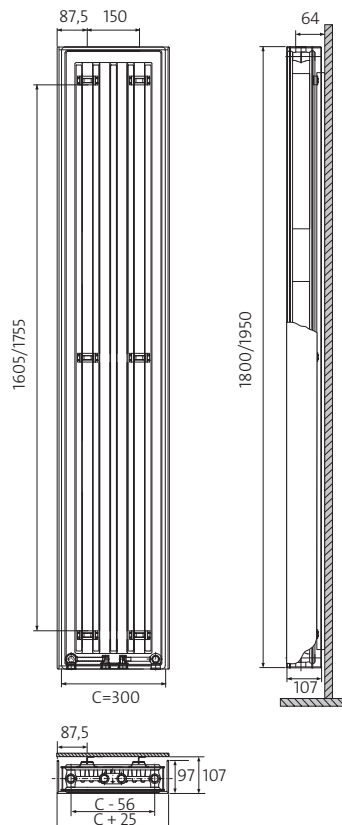
type 11 (475/625/775)



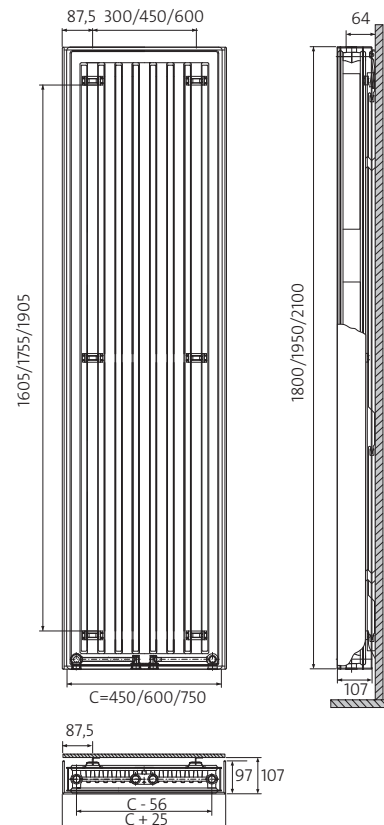
**bracket
MCW-V**



type 21 (325)



type 21 (475/625/775)



**bracket
MCW-V**

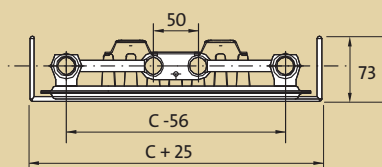


Dimensions : mm

NEW



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.

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

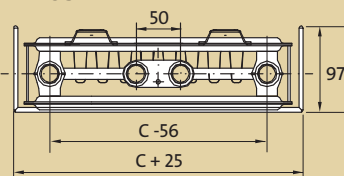
Tinos V type 21

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.

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

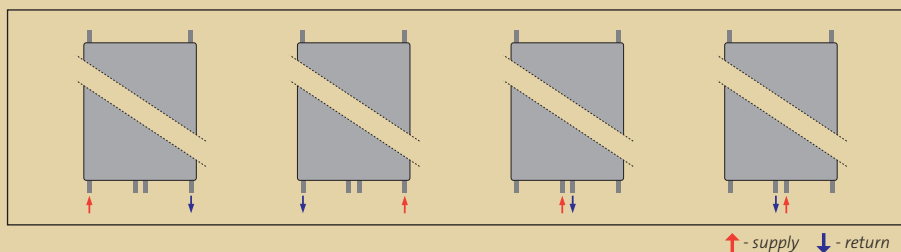


Paros V

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.

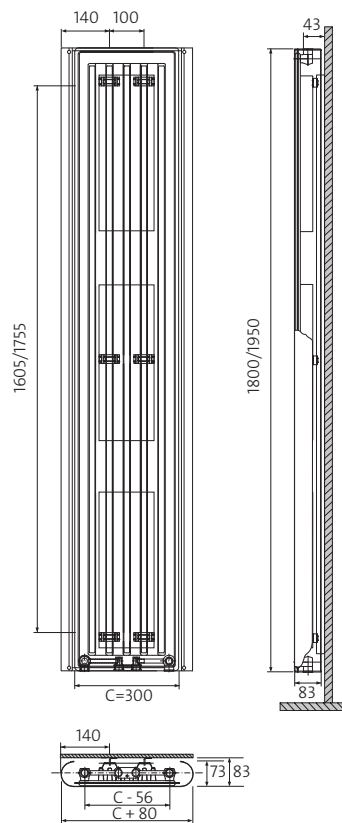
- Connections : 4 x G 1/2" bottom; 2 x G 1/2" top - for the air vent and plug installation
- Working pressure : 6 bar
- Maximal temperature : 99 °C
- Test pressure : 8 bar
- Colour : RAL 9016 white, other colours from the RAL colour chart are available on request
- Many connection possibilities
- Accessories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

recommended connections

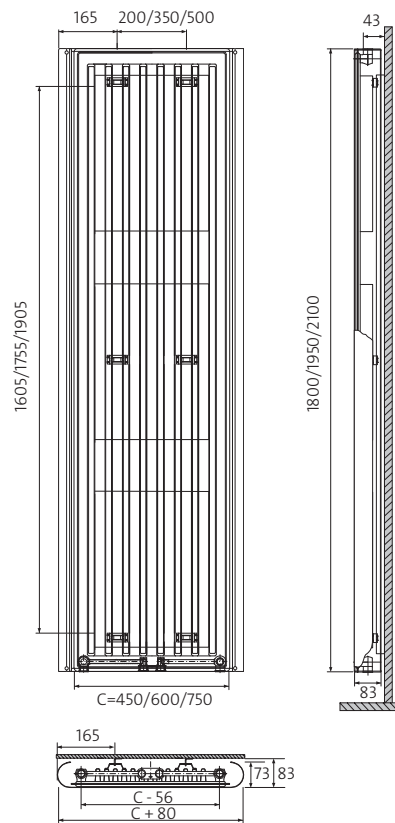


dimensions

type 11 (380)



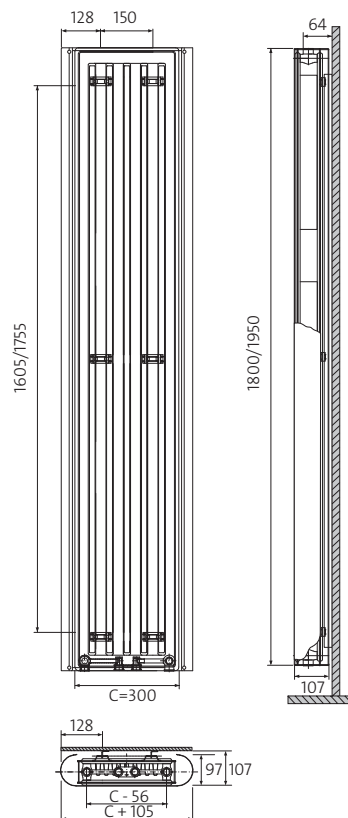
type 11 (530/680/830)



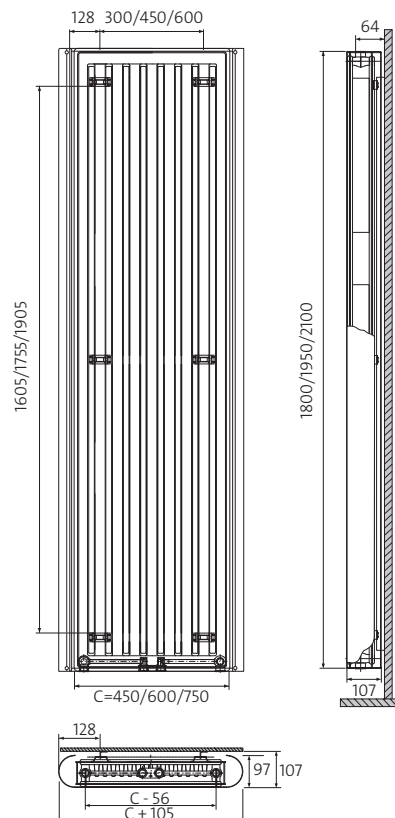
bracket
MCW-V



type 21 (405)



type 21 (555/705/855)



bracket
MCW-V



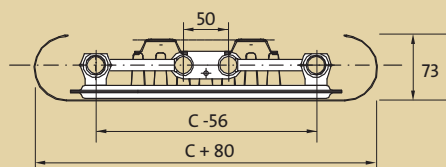
Dimensions : mm

NEW



PAROS V 11

RADIATOR DESCRIPTION - AN EXAMPLE : **PAROS V 11 1800 380**



name _____
type _____
height _____
length _____

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.

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

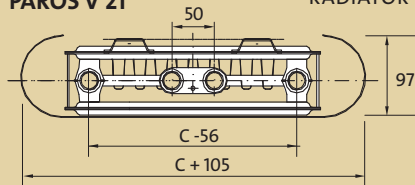
Paros V type 21

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.

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.	21, 22	300 mm	AZ14BTKF00030000
			450 mm	AZ14BTKF00045000
			600 mm	AZ14BTKF00060000
			750 mm	AZ14BTKF00075000
	towel rail for the PURMO Tinos V radiators. Made of mat brushed stainless steel.	11	325 mm	AZ14BTTLT1132500
			475 mm	AZ14BTTLT1147500
			625 mm	AZ14BTTLT1162500
			775 mm	AZ14BTTLT1177500
		21	325 mm	AZ14BTT0T2132500
			475 mm	AZ14BTT0T2147500
			625 mm	AZ14BTT0T2162500
			775 mm	AZ14BTT0T2177500
	towel rail for the PURMO Paros V radiators. Made of mat brushed stainless steel.	11	380 mm	AZ14BTPST1138000
			530 mm	AZ14BTPST1153000
			680 mm	AZ14BTPST1168000
			830 mm	AZ14BTPST1183000
		21	405 mm	AZ14BTP0T2140500
			555 mm	AZ14BTP0T2155500
			705 mm	AZ14BTP0T2170500
			855 mm	AZ14BTP0T2185500

notes

[illegible]



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
 - four-pipe system 4 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

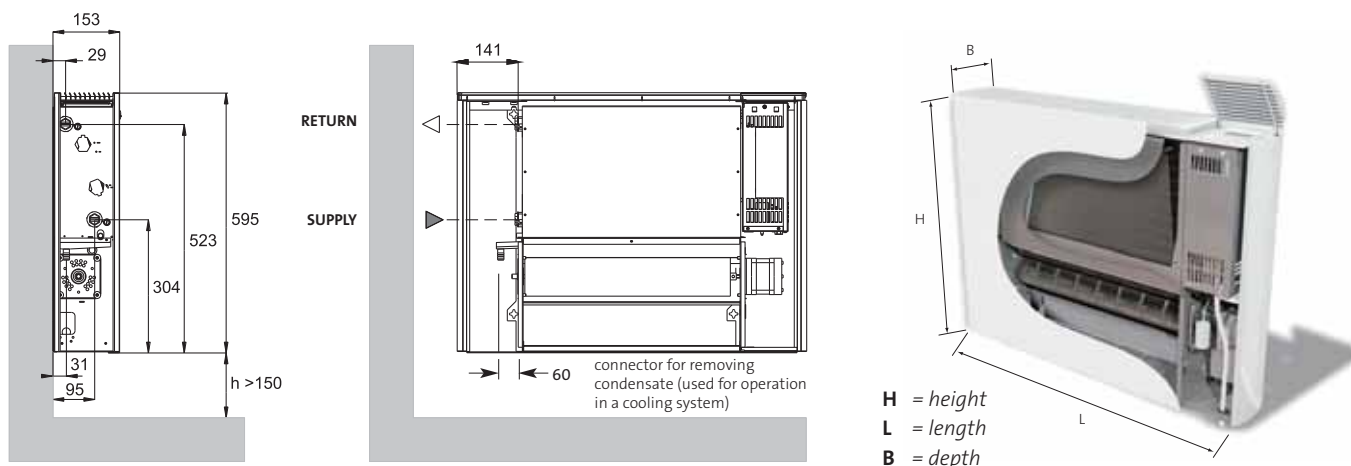
NOTE:

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

Vido *(two-pipe system - heating or cooling)*

fan convectors

dimensions



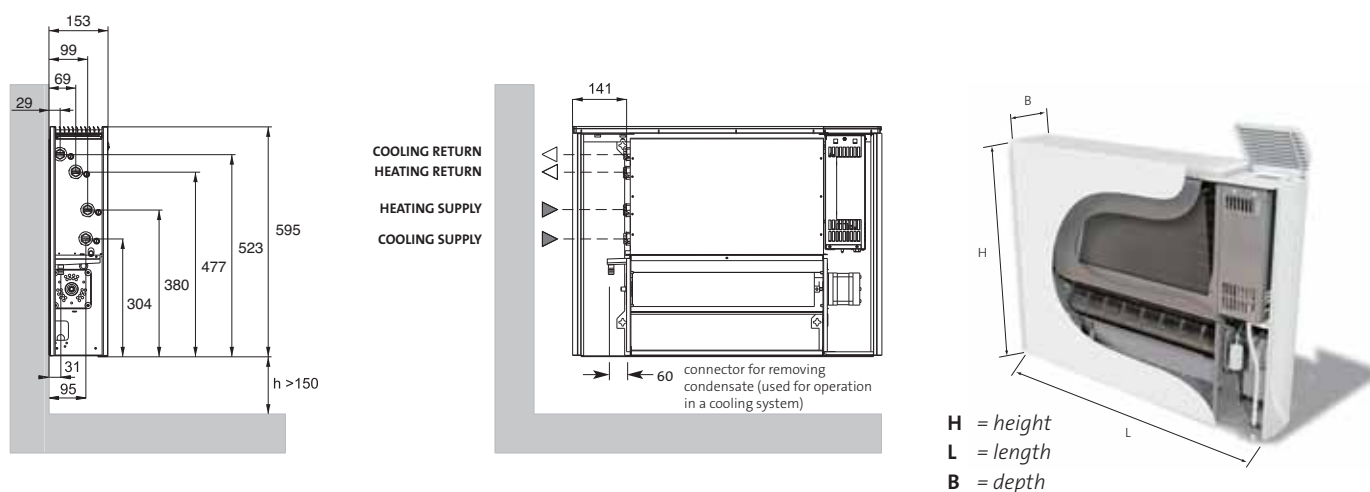
parameters $t_z / t_p / t_i$	fan speed	heat output [W]				
		K2A 080	K2A 100	K2A 120	K2A 140	K2A 160
75/65/20 °C	high	3682	5124	6521	7894	9266
	medium	2678	3661	4448	5265	6082
	low	1997	2739	3288	3867	4460
45/35/20 °C	high	1360	1892	2409	2916	3422
	medium	989	1352	1643	1945	2246
	low	738	1012	1214	1428	1647

parameters $t_z / t_p / t_i$	fan speed		cooling output [W]				
			K2A 080	K2A 100	K2A 120	K2A 140	K2A 160
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	1520	1490	1729
		sensible	527	753	931	1110	1288

weight [kg]	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
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
K2A 080	595	800	153	F9P-MCLO5000055
K2A 100	595	1000	153	F9P-MCLO5000056
K2A 120	595	1200	153	F9P-MCLO5000057
K2A 140	595	1400	153	F9P-MCLO5000058
K2A 160	595	1600	153	F9P-MCLO5000059

dimensions



parameters $t_z / t_p / t_i$	fan speed	heat output [W]				
		K4A 080	K4A 100	K4A 120	K4A 140	K4A 160
75/65/20 °C	high	2577	3587	4565	5526	6486
	medium	1875	2563	3114	3686	4257
	low	1398	1917	2302	2707	3122
45/35/20 °C	high	952	1324	1686	2041	2395
	medium	692	946	1150	1362	1572
	low	517	708	850	1000	1153

parameters $t_z / t_p / t_i$	fan speed		cooling output [W]				
			K4A 080	K4A 100	K4A 120	K4A 140	K4A 160
7/12/27 °C	high	total	1566	2189	2772	3356	3940
		sensible	1166	1630	2064	2499	2934
	medium	total	1070	1520	1862	2204	2545
		sensible	788	1119	1370	1622	1873
	low	total	672	960	1444	1416	1643
		sensible	501	715	884	1055	1224

weight [kg]	without packaging	24,8	30,1	35,3	40,7	46,3
water volume [l]		0,66	0,92	1,19	1,45	1,72
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
K4A 080	595	800	153	F9P-MCLO5000065
K4A 100	595	1000	153	F9P-MCLO5000066
K4A 120	595	1200	153	F9P-MCLO5000067
K4A 140	595	1400	153	F9P-MCLO5000068
K4A 160	595	1600	153	F9P-MCLO5000069

description	technical specifications	order code
System Valve (2-Pipe Kit)	Pressure independent balancing and control valve with 230 V actuator	AZ5-MCAC5001000
Condensate Pump Kit	230 V Condensate pump kit including mounting brackets, float switch, and 2 m flexible tube for condensate removal	AZ5-MCAC5001010
System Valve (4-Pipe Kit)	Pressure independent balancing and control valves (x2) with 230 V actuators	AZ5-MCAC5001001

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



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



Java

2 connections

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

width [mm]:
400, 500, 600



Flores C CH

4 connections

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

width [mm]:
500, 600

*for horizontal radiators

Type overview



Elato

4 connections

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

width [mm]:
450, 600



Apolima

2 connections

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

width [mm]:
650, 800



Apia

6 connections

height [mm]:
1196, 1756

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

	Santorini	Santorini A	Santorini C	Kea	Ratea	Anafi	Imia	Mauritius	Java	Muna	Flores CH	Flores C CH	Eiato	Apolima	Apia
max. working pressure [bar]	10	10	10	10	10	10	10	10	8	4	8	8	4	4	10
number of connections	4	6	4	4	2	3	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	-	-	-	-	-	-	-	-	-	-
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"	1/2"	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	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:

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

where:

t_z - supply water temperature [°C]

t_p - return water temperature [°C]

t_i - room temperature [°C]



Santorini and Santorini A

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

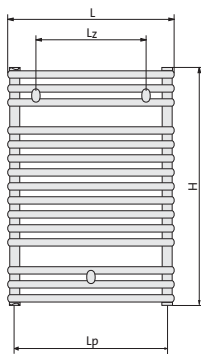
The Santorini A radiator is an excellent solution for those, who want to replace their old radiator with a new one without the need for modifications of piping. The model is available with right or left side connectors.

- 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.



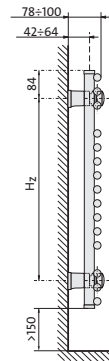
bathroom radiators

front view



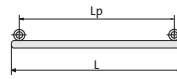
Santorini

side view

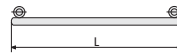


Santorini

top view

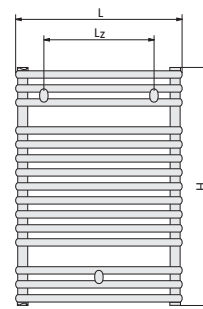


Santorini



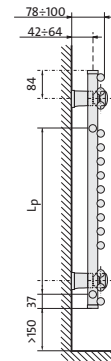
Santorini A

front view



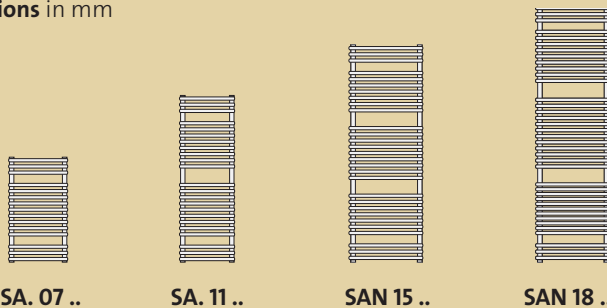
Santorini A

side view



Santorini A

dimensions in mm



SA. 07 ..

SA. 11 ..

SAN 15 ..

SAN 18 ..

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	F3UAB07004000000
SAA 07 05 R	370	189	714	500	546	350	500	2,8	6,8	15	F3UAB07005000000
SAA 07 06 R	435	222	714	600	546	450	500	3,2	7,8	15	F3UAB07006000000
SAA 07 07 R	529	270	714	750	546	600	500	3,9	9,2	15	F3UAB07007500000
SAA 11 04 R	465	237	1134	400	966	250	500	3,8	8,9	23	F3UAB11004000000
SAA 11 05 R	569	290	1134	500	966	350	500	4,5	10,4	23	F3UAB11005000000
SAA 11 06 R	665	339	1134	600	966	450	500	5,3	11,8	23	F3UAB11006000000
SAA 11 07 R	805	411	1134	750	966	600	500	6,4	13,9	23	F3UAB11007500000

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

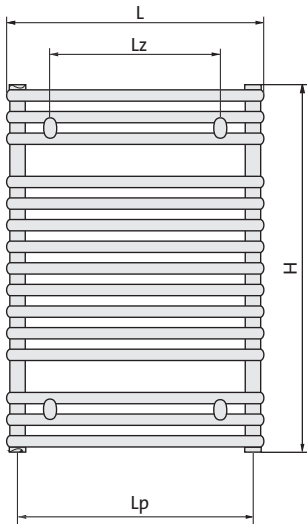
Round horizontal collectors of the Santorini C model are slightly bent to form an arc giving the radiator lightness and elegance.

- 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.

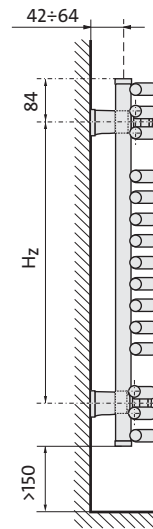


bathroom radiators

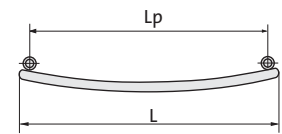
front view



side view



top view



H = height

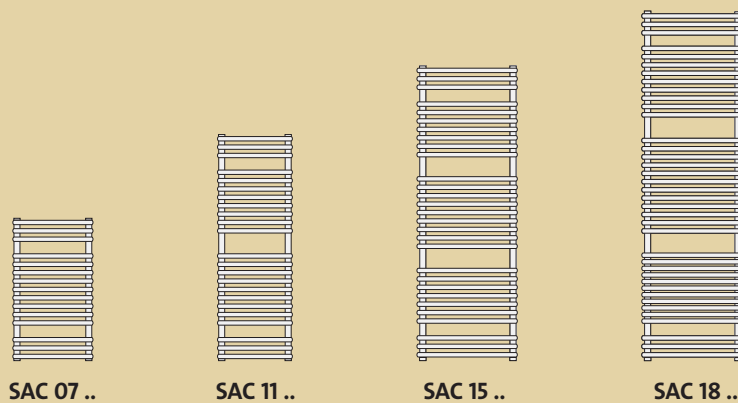
L = width

Lz = horizontal spacing of brackets

Hz = vertical spacing of brackets

Lp = spacing of connectors

dimensions in mm



SAC 07 ..

SAC 11 ..

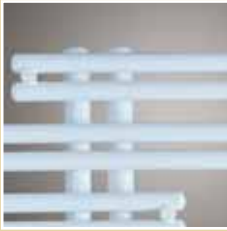
SAC 15 ..

SAC 18 ..

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.

bathroom radiators



Kea

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

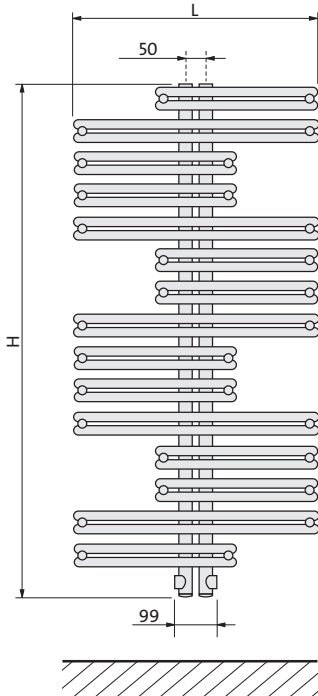
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other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



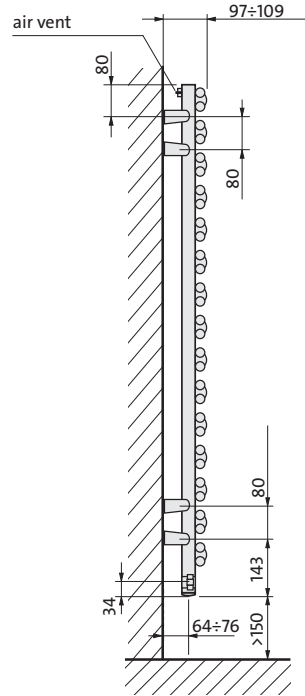
- Basic equipment : brackets with adjustable wall distance, ¼" air vent, two blanking plugs
- Additional equipment : straight chrome plated hanger, bent chrome plated hanger, glass shelf, C-type chrome plated hanger, round chrome plated towel hanger, electric heater.

bathroom radiators

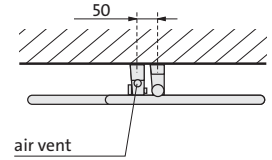
front view



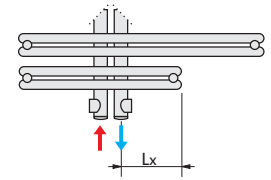
side view



top view

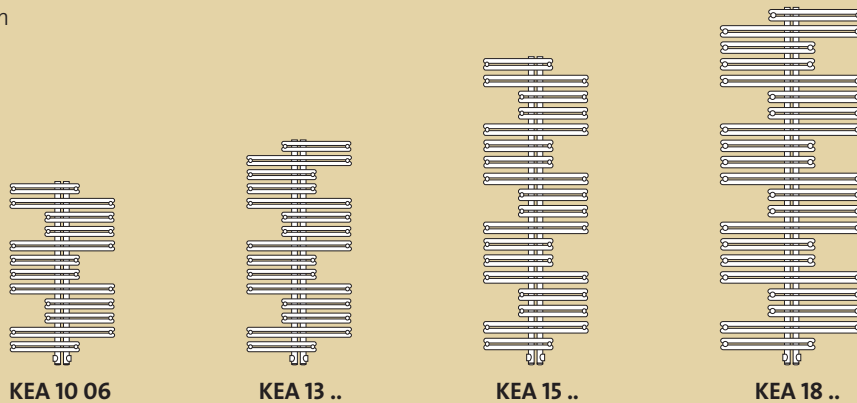


connection



H = height
L = width

dimensions in mm



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	2 x 12	F4IA010006000300
KEA 13 06	613	313	1262	600	75	5,3	13,3	2 x 15	F4IA013006000300
KEA 13 07	739	377	1262	750	100	5,7	15,7	2 x 15	F4IA013007500300
KEA 15 06	724	369	1502	600	75	6,1	16,0	2 x 18	F4IA015006000300
KEA 15 07	870	444	1502	750	100	6,7	18,7	2 x 18	F4IA015007500300
KEA 15 09	1030	526	1502	900	125	7,6	21,6	2 x 18	F4IA015009000300
KEA 18 07	1008	514	1742	750	100	7,7	21,7	2 x 21	F4IA018007500300
KEA 18 09	1194	609	1742	900	125	9,2	24,9	2 x 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.

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.

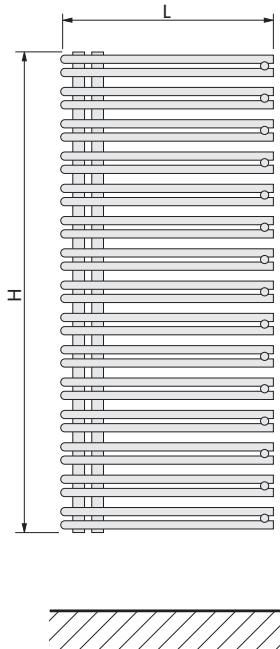
Note: as a standard, the Ratea radiators are delivered in the left side version (as presented on the picture below).



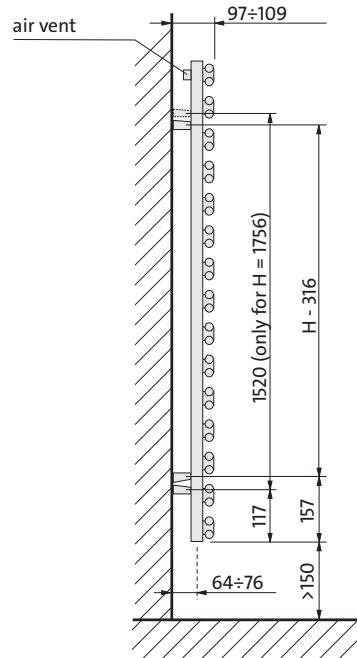
bathroom radiators

front view

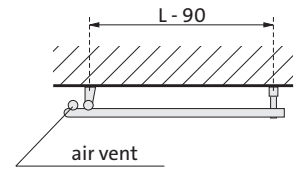
(left-side version)



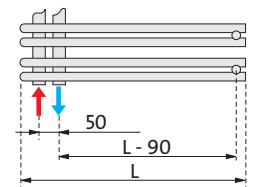
side view



top view

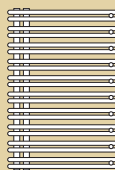


connection

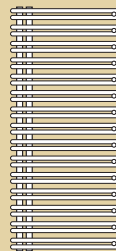


H = height
L = width

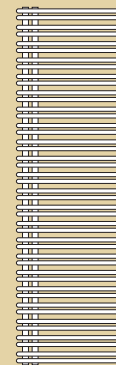
dimensions in mm



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 [dm ³]	weight [kg]	number of horizontal collectors	order code (left version)
RAT 08 05	446	228	796	500	3,8	8,8	2 x 10	F4BA008005000310
RAT 08 06	530	270	796	600	4,3	10,0	2 x 10	F4BA008006000310
RAT 08 07	653	333	796	750	5,0	11,9	2 x 10	F4BA008007500310
RAT 12 05	650	332	1196	500	5,9	12,9	2 x 15	F4BA012005000310
RAT 12 06	773	394	1196	600	6,7	14,8	2 x 15	F4BA012006000310
RAT 12 07	955	487	1196	750	8,0	17,6	2 x 15	F4BA012007500310
RAT 18 05	897	458	1756	500	8,0	19,2	2 x 22	F4BA018005000310
RAT 18 06	1081	552	1756	600	9,5	21,8	2 x 22	F4BA018006000310
RAT 18 07	1357	692	1756	750	11,7	25,7	2 x 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.

Ratea radiators are available also 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.

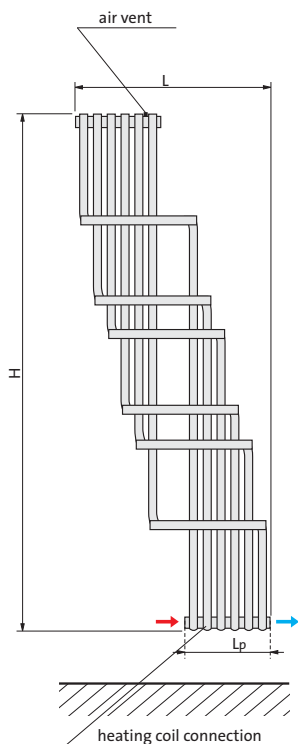
- Material : high quality steel section
- Heating medium : water
- Connections : 3 threaded $\frac{1}{2}$ " female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



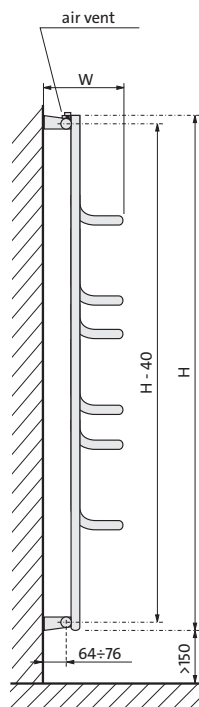
- Basic equipment : brackets with adjustable wall distance, $\frac{1}{4}$ " air vent, two $\frac{1}{4}$ " blanking plugs, $\frac{1}{2}$ " blanking plug
- Additional equipment : electric heater.

bathroom radiators

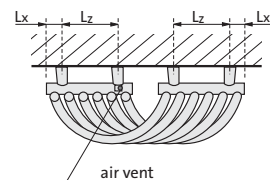
front view



side view

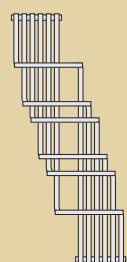


top view

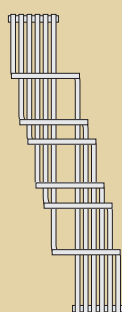


H = height
L = width
W = depth
Lz = spacing of brackets
Lp = spacing of connectors

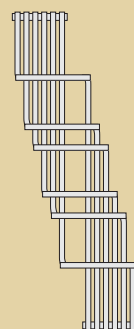
dimensions in mm



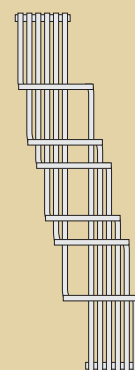
ANA 12 05



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 [dm³]	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.

bathroom radiators



Imia

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

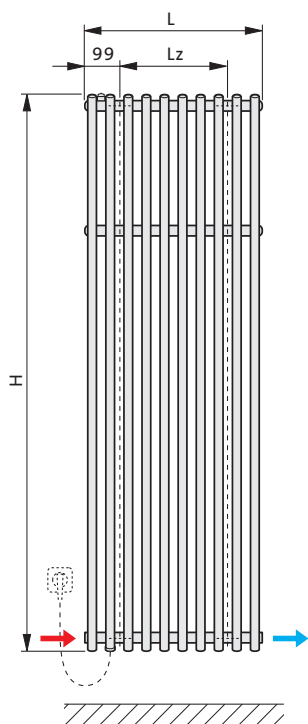
- Material : high quality steel section
- Heating medium : water
- Connections : 3 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other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



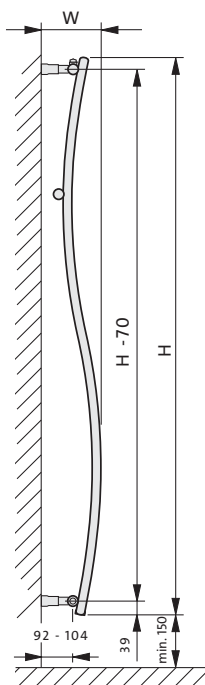
- Basic equipment : brackets with adjustable wall distance, ¼" air vent, two ¼" blanking plugs, ½" blanking plug
- Additional equipment : straight chrome plated hanger, round chrome plated hanger, clothing hanger, electric heater.

bathroom radiators

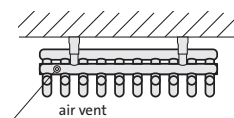
front view



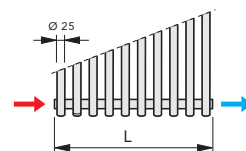
side view



top view

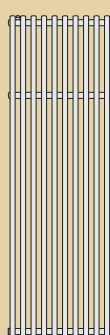


connection

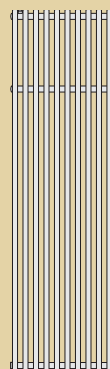


H = height
L = width
Lz = horizontal spacing of brackets
W = depth

dimensions in mm



IMI 16 ..



IMI 18 ..

type	output [W] 75/65/20 °C	output [W] 55/45/20 °C	H [mm]	L [mm]	Lz [mm]	W [mm]	water volume [dm³]	weight [kg]	order code
IMI 16 05	850	434	1600	510	312	169-181	6,5	13,5	F4VA016005000300
IMI 16 08	1359	693	1600	822	624	169-181	10,4	21,6	F4VA016008000300
IMI 16 10	1699	867	1600	1030	832	169-181	13,0	27,0	F4VA016010000300
IMI 18 05	948	484	1800	510	312	177-189	7,7	15,0	F4VA018005000300
IMI 18 08	1516	773	1800	822	624	177-189	12,3	24,0	F4VA018008000300
IMI 18 10	1895	967	1800	1030	832	177-189	15,4	30,0	F4VA018010000300
IMI 18 12	2274	1160	1800	1238	1040	177-189	18,5	35,8	F4VA018012000300

Moc cieplna grzejników (W) wg normy PN-EN 442 dla parametrów 75/65/20 °C i 55/45/20 °C.

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.

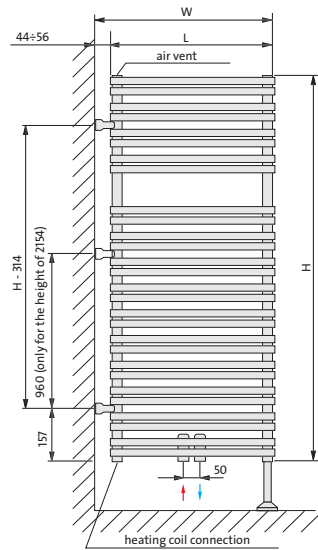
- Material : high quality steel section
- Heating medium : water
- Connections : 3 threaded ½" female connections
- Working pressure : 10 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other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



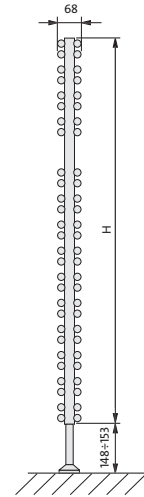
- Basic equipment : brackets with adjustable wall distance, ½" air vent, two ½" blanking plugs
- Additional equipment : straight chrome plated hanger, bent chrome plated hanger, glass shelf, C-type chrome plated hanger, round chrome plated towel hanger, electric heater.

bathroom radiators

front view

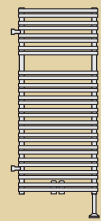


side view



H = height
L = width
W = depth

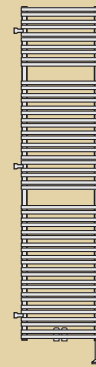
dimensions in mm



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 [dm³]	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.

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.

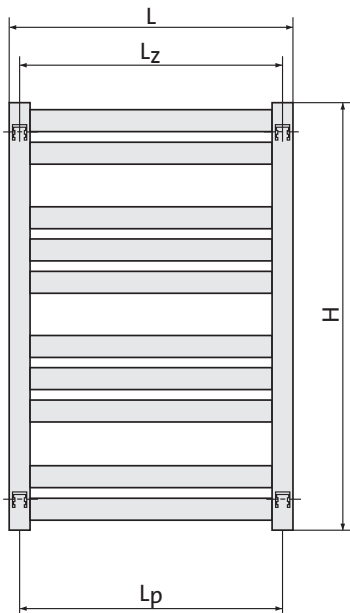
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 8 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours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



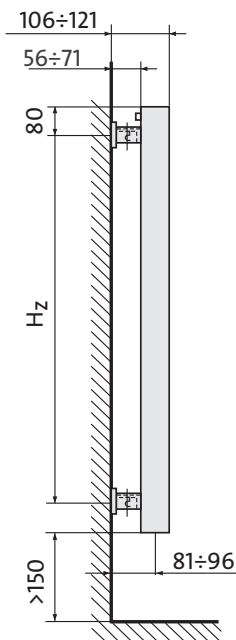
- Basic equipment : brackets with adjustable wall distance, 1/8" air vent
- Additional equipment : electric heater.

bathroom radiators

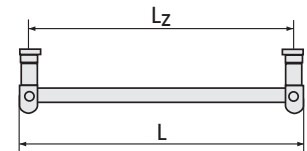
front view



side view

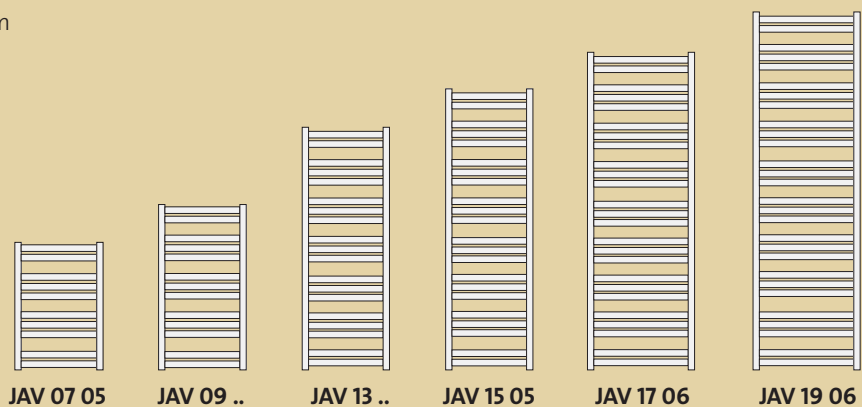


top view



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

dimensions in mm



type	output [W]		H [mm]	L [mm]	brackets			water volume [dm³]	weight [kg]	number of horizontal collectors	order code
	75/65/20 °C	55/45/20 °C			Hz [mm]	Lz [mm]	Lp [mm]				
JAV 07 05	358	183	700	500	520	470	470	3,2	6,6	10	F4MA007005000320
JAV 09 04	393	201	912	400	750	370	370	3,7	7,3	13	F4MA009104000320
JAV 09 05	463	236	912	500	750	470	470	4,2	8,7	13	F4MA009105000320
JAV 13 04	568	290	1336	400	1170	370	370	5,4	10,8	19	F4MA013304000320
JAV 13 05	668	341	1336	500	1170	470	470	6,1	12,3	19	F4MA013305000320
JAV 15 05	780	398	1548	500	1320	470	470	7,0	14,3	22	F4MA015405000320
JAV 17 06	1015	518	1760	600	1600	570	570	8,9	18,9	25	F4MA017606000320
JAV 19 06	1137	580	1972	600	1790	570	570	10,0	20,9	28	F4MA019706000320

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.

bathroom radiators



Muna

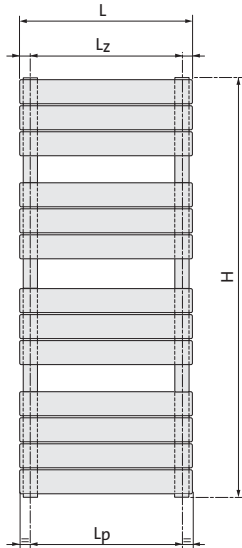
Flat heating elements of the Muna model give it a stark appearance, making it an excellent match for a minimalist interior where an attractive detail is of particular significance.

- 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.

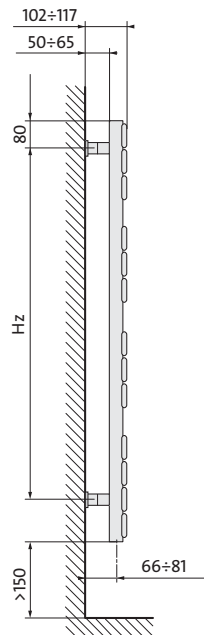


bathroom radiators

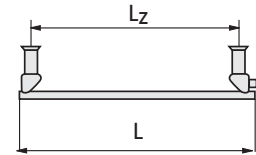
front view



side view

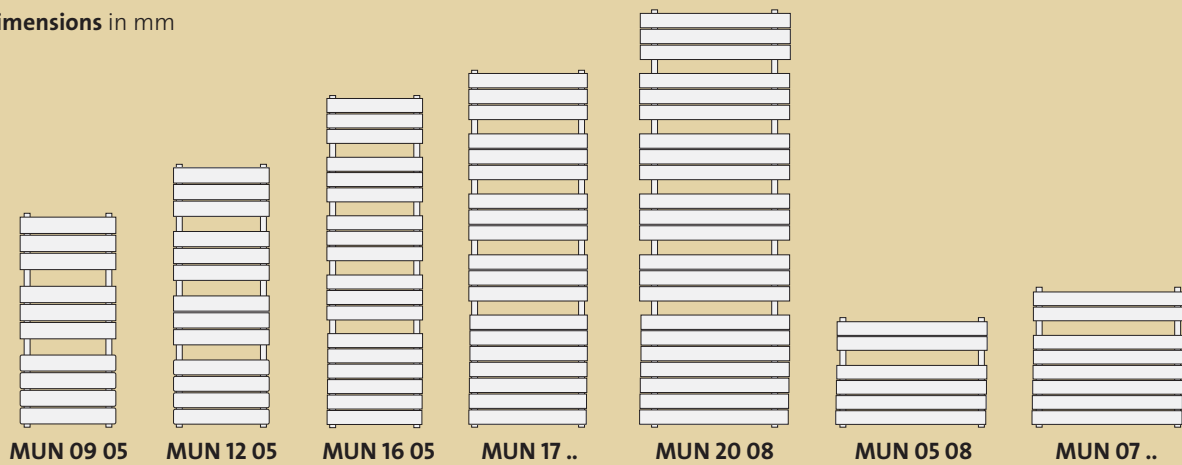


top view



H = height
L = width
Hz = vertical spacing of brackets
Lz = horizontal 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	F8GA009005000320
MUN 12 05	602	307	1205	500	990	438	447	6,3	14,1	13	F8GA012005000320
MUN 16 05	815	416	1650	500	1460	438	447	8,6	19,4	18	F8GA016505000320
MUN 17 06	987	504	1730	600	1460	538	547	10,3	23,1	19	F8GA017306000320
MUN 17 08	1311	669	1730	800	1460	738	747	12,3	29,1	19	F8GA017308000320
MUN 20 08	1464	747	2030	800	1790	738	747	14,3	33,9	22	F8GA020308000320
MUN 05 08	400	204	530	800	330	738	747	3,8	9,6	6	F8FA005308000320
MUN 07 10	653	333	680	1000	520	938	947	6,0	16,5	8	F8FA006810000320
MUN 07 12	784	400	680	1200	520	1138	1147	7,2	21,5	8	F8FA006812000320

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.

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.

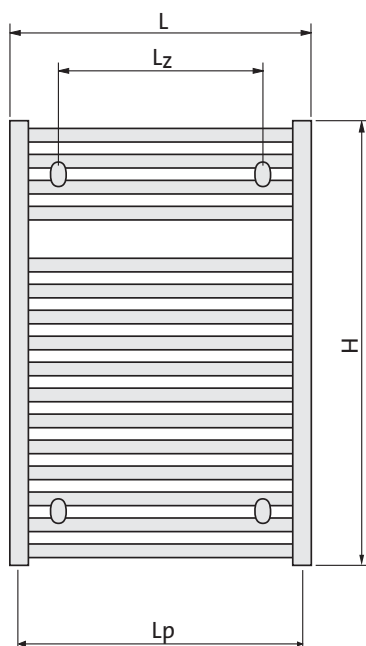
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 8 bar
- Maximal temperature : 110 °C
- Painting : chrome electroplating



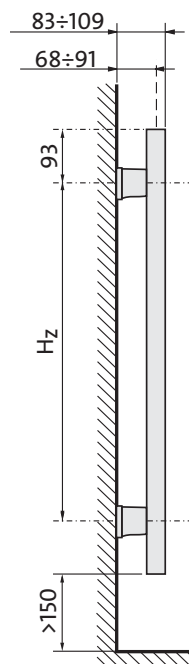
- Basic equipment : chrome plated brackets with adjustable wall distance, ½" air vent, blanking plug
- Additional equipment : round chrome plated towel hanger, electric heater.

bathroom radiators

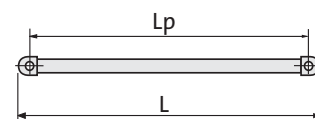
front view



side view

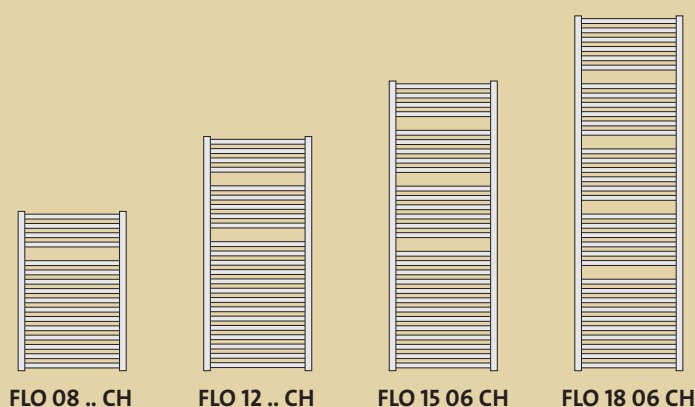


top view



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

dimensions in mm



type	output [W]		H [mm]	L [mm]	brackets		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
	75/65/20 °C	55/45/20 °C			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.

Chrome coated radiator. PKWiU 28.22.11-50.20.

bathroom radiators



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.

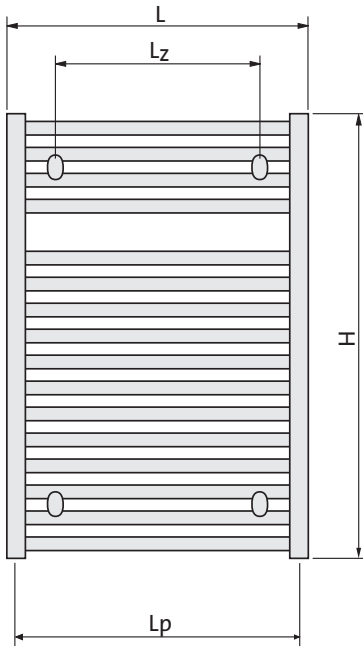
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded ½" female connections
- Working pressure : 8 bar
- Maximal temperature : 110 °C
- Painting : chrome electroplating



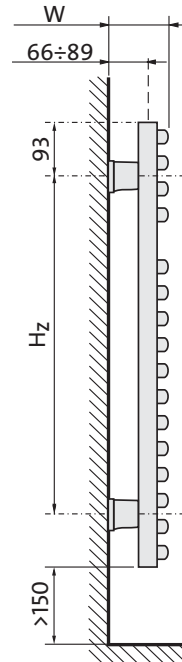
- Basic equipment : chrome plated brackets with adjustable wall distance, ½" air vent, blanking plug
- Additional equipment : round chrome plated towel hanger, electric heater.

bathroom radiators

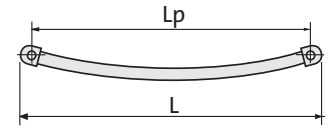
front view



side view

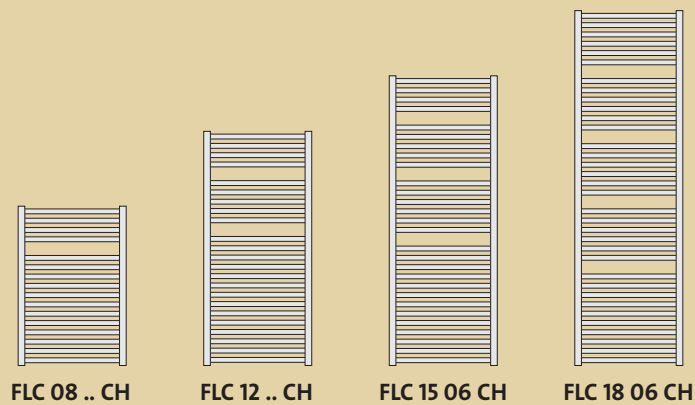


top view



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

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.

Chrome coated radiator. 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.

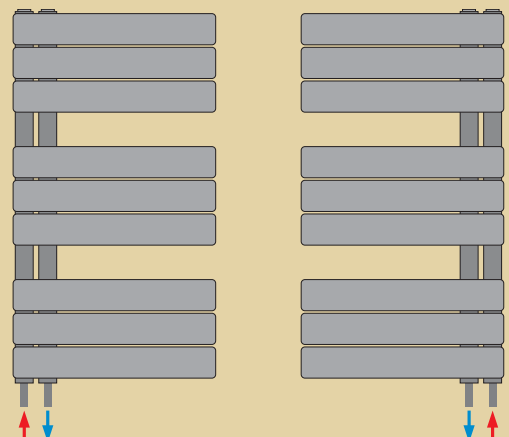
- Material : high quality steel section
- Heating medium : water
- Connections : 4 threaded $\frac{1}{2}$ " female connections
- Working pressure : 4 bar
- Maximal temperature : 110 °C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours from the RAL colour chart are available on request



- Basic equipment : brackets with adjustable wall distance, $\frac{1}{2}$ " air vent and blanking plug
- Additional equipment : straight hanger, round hanger, V-type towel hanger, electric heater.

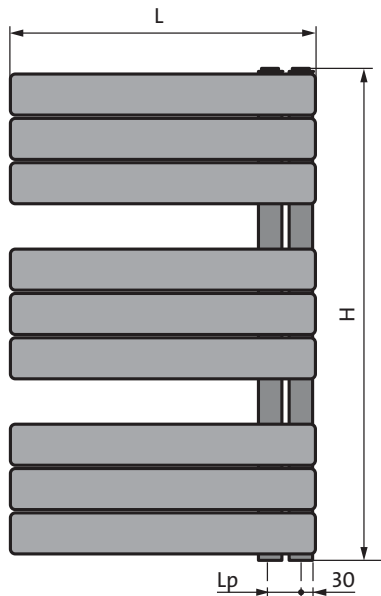
Note!

- 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.

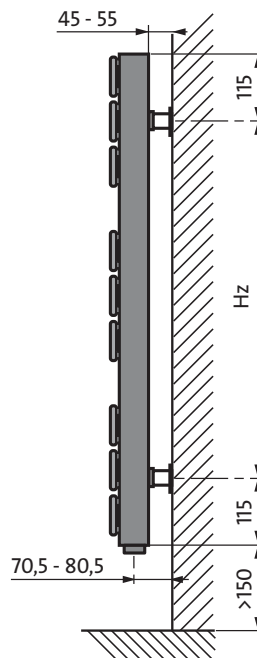


bathroom radiators

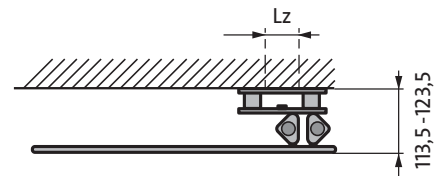
front view



side view

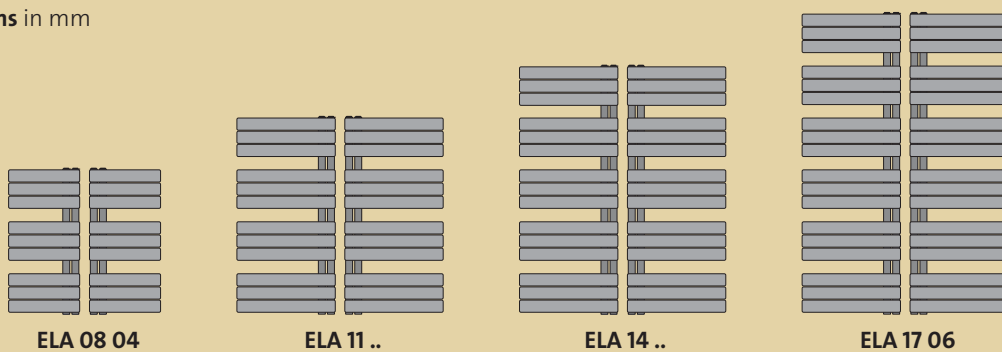


top view



H = height
L = width
Hz = vertical spacing of brackets
Lz = horizontal 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	F8MA008304500D40
ELA 11 04	528	269	1130	450	900	50	50	5,7	13,1	12	F8MA011304500D40
ELA 11 06	706	360	1130	600	900	50	50	6,7	16,1	12	F8MA011306000D40
ELA 14 04	668	341	1430	450	1200	50	50	7,2	16,4	15	F8MA014304500D40
ELA 14 06	855	436	1430	600	1200	50	50	8,5	20,2	15	F8MA014306000D40
ELA 17 06	1008	514	1730	600	1500	50	50	10,2	24,3	18	F8MA017306000D40

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.

bathroom radiators



Apolima

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

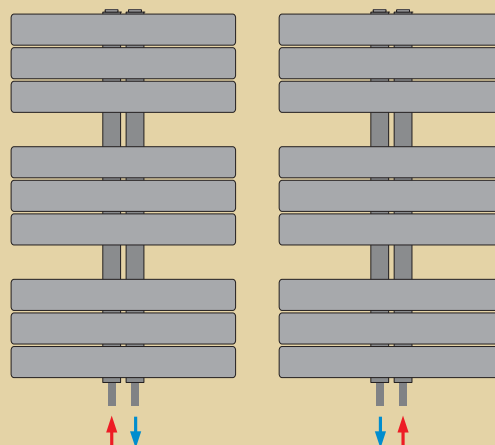
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections
- Working pressure : 4 bar
- Maximal temperature : 110 C
- Painting : anaphoretic priming, final painting with the use of electrostatic powder coating
- Colours : RAL 9016 white, other colours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

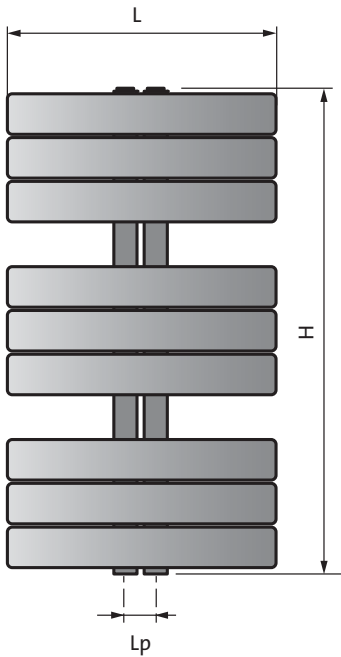
Note!

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

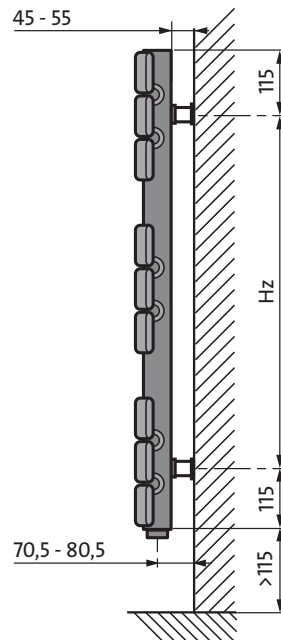


bathroom radiators

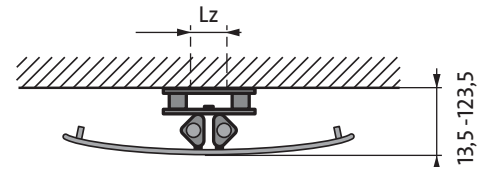
front view



side view

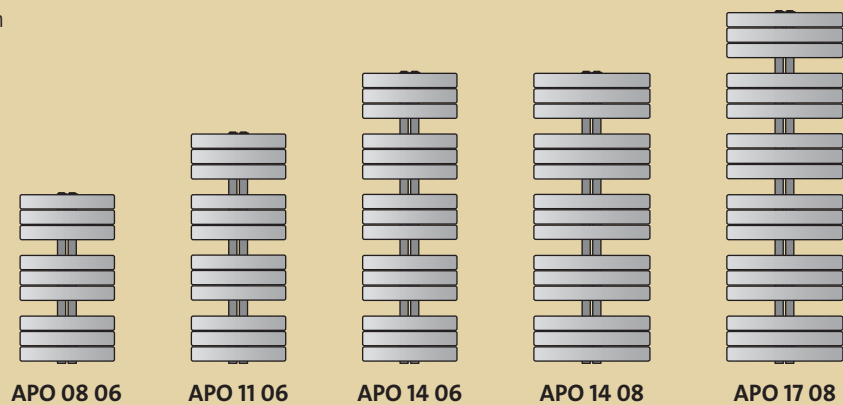


top view



H = height
L = width
Hz = vertical spacing of brackets
Lz = horizontal 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	F8JA008306500320
APO 11 06	732	373	1130	650	900	50	50	7,1	17,1	12	F8JA011306500320
APO 14 06	909	464	1430	650	1200	50	50	8,9	21,5	15	F8JA014306500320
APO 14 08	1086	554	1430	800	1200	50	50	10,2	25,3	15	F8JA014308000320
APO 17 08	1300	663	1730	800	1500	50	50	12,2	29,4	18	F8JA017308000320

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.

bathroom radiators



Apia

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

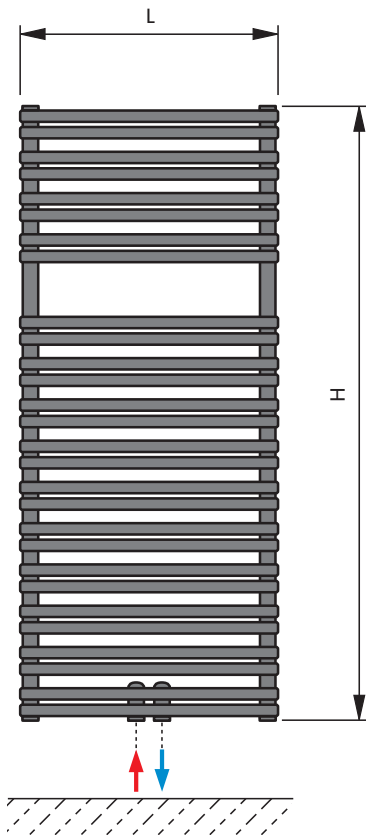
- Material : high quality steel section
- Heating medium : water
- Connections : 2 threaded ½" female connections for central bottom connection (connectors spaced at 50 mm) and 4 threaded ½" female connections for end bottom connection.
- Working pressure : 10 bar
- Maximal temperature : 110 C
- Painting : 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.

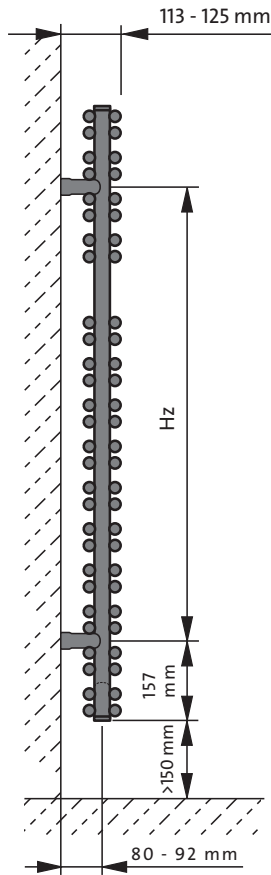


bathroom radiators

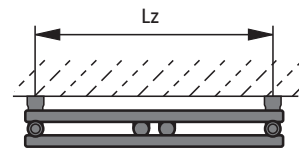
front view



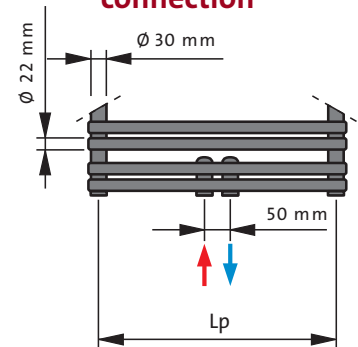
side view



top view



connection



H = height

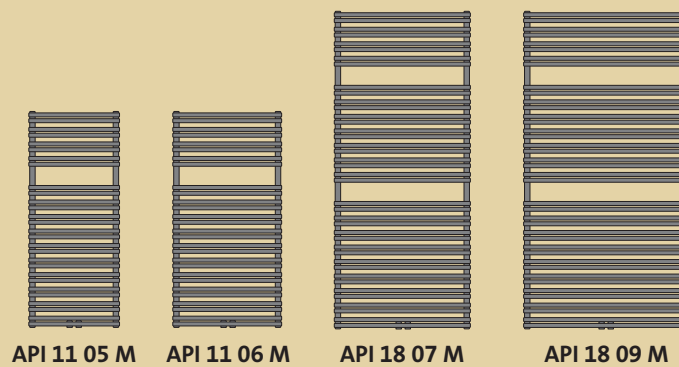
L = width

Hz = vertical spacing of brackets

Lz = horizontal 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		Lp [mm]	water volume [dm³]	weight [kg]	number of horizontal collectors	order code
					Hz [mm]	Lz [mm]					
API 11 05 M	780	398	1134	500	882	460	460	7,9	18,2	48	F3VE011005000000
API 11 06 M	938	479	1134	600	882	560	560	9,3	20,7	48	F3VE011006000000
API 11 07 M	1183	604	1134	750	882	710	710	11,2	24,3	48	F3VE011007500000
API 11 09 M	1429	729	1134	900	882	860	860	13,1	28,0	48	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.

heating medium temperature [°C]		value of the factor for calculating the heat output of the radiator at temperatures other than 75/65/20 °C							
		t _i 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 Herzcules „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, 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.

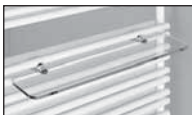
MANUFACTURER	CATALOGUE NUMBER	
	VALVE	HEAD
Danfoss VHX-DUO + RAX	013G4281 – white finishing RAL9016 013G4279 – chrome plated finishing	
Heimeier Multilux	3851-02.000 3850-02.000	as for the decorative radiators with a valve insert
Herz	13692 91 13694 91	19260 06, 17260 06, 19200 60, 17260 40
Honeywell 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
	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		AZ1BH000C000100SCHRO
	straight hanger		
	Muna	white	AZ16BTBARP40BL00
		chrome plated	AZ16BTBARP400CHSCHRO
	round hanger		
	Muna	white	AZ16HTANOPBL0000
		chrome plated	AZ16HTANOPCH000SCHRO
	V-type towel hanger - 2 pcs		
	Muna	white	AZ16BTPATVPBL000
		chrome plated	AZ16BTPATVPCH00SCHRO
	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.

About our company

additional information

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.

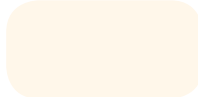
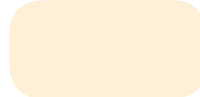
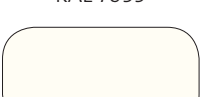
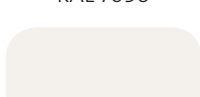
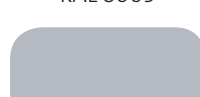
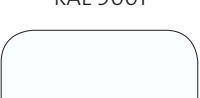
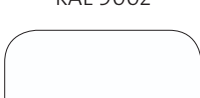
This company of the Finnish origin is the biggest manufacturer of radiators in Poland and Europe. High quality materials and a partnership backed by actions are the key to our company success. Our radiators proved themselves in the tough climate of Northern Scandinavia. Throughout 50 years of our operation 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.

				
RAL 1003	RAL 1004	RAL 1013	RAL 1015	RAL 2002
				
RAL 3002	RAL 3003	RAL 3015	RAL 4005	RAL 4007
				
RAL 5000	RAL 5001	RAL 5002	RAL 5003	RAL 5011
				
RAL 5013	RAL 5014	RAL 5015	RAL 5017	RAL 5018
				
RAL 5020	RAL 5021	RAL 5022	RAL 5023	RAL 6000
				
RAL 6005	RAL 6016	RAL 6019	RAL 6027	RAL 6029
				
RAL 7001	RAL 7013	RAL 7015	RAL 7016	RAL 7030
				
RAL 7035	RAL 7036	RAL 7047	RAL 8003	RAL 8017
				
RAL 9001	RAL 9002	RAL 9005	RAL 9006*	RAL 9007*
				
RAL 9010	RAL 9016			

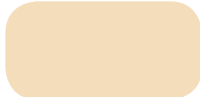
NOTE!!! Different types of radiators can have different shades of the same colour.

**) metallic colours*

Additional colours

additional information

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RAL 1000	RAL 1001	RAL 1002	RAL 1005	RAL 1006
				
RAL 1007	RAL 1011	RAL 1012	RAL 1014	RAL 1016
				
RAL 1017	RAL 1018	RAL 1019	RAL 1020	RAL 1021
				
RAL 1023	RAL 1024	RAL 1027	RAL 1028	RAL 1032
				
RAL 1033	RAL 1034	RAL 2000	RAL 2001	RAL 2003
				
RAL 2004	RAL 2008	RAL 2009	RAL 2010	RAL 2011
				
RAL 2012	RAL 3000	RAL 3001	RAL 3004	RAL 3005
				
RAL 3007	RAL 3009	RAL 3011	RAL 3012	RAL 3013
				
RAL 3014	RAL 3016	RAL 3017	RAL 3018	RAL 3020
				
RAL 3022	RAL 3027	RAL 3031	RAL 4001	RAL 4002
				
RAL 4003				

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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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clever heating solutions