

RADIK[®] PLAN VERTIKAL - M



Steel Flat Panel Design Radiator





RADIK® PLAN VERTIKAL - M

Description

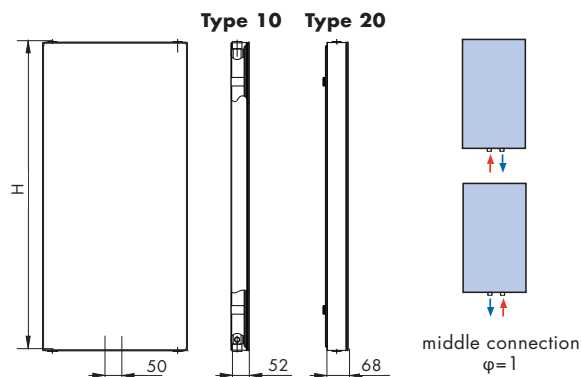
The **RADIK PLAN VERTIKAL - M** model is a vertically aligned panel radiator with a flat front panel. Its design allows for **bottom middle connection** to a pressurised heating system. It is equipped with a total of 6 outlets with a G1/2 internal thread. Two upper and two lower fixing hangers are welded to the back. Type 20 radiators in lengths of 600 and 900 mm have one extra fixing hanger at the top. For fixing to the wall, we recommend use of the 18/120 (Z-U144) drill-in bracket - always 2 brackets. When using Z-U140 and Z-U300 brackets, the required number of brackets is the same as the number of upper fixing hangers. When using the Z-U320 bracket, you must always use four brackets.

All types have factory fitted end panels.

The packaging can remain on the radiator during its installation.

For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head and on request also with a plastic cover – for more details see please our brochure “HM Fittings”.

Overview of types and connection to the heating system

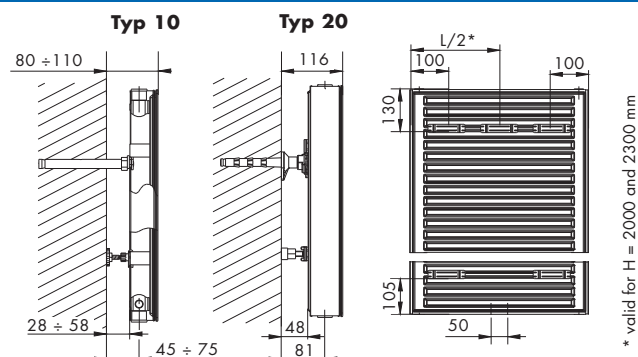


Technical data

Height H	1600, 1800, 2000, 2300 mm
Length L	400, 600, 900 mm
Connecting pitch (middle connection)	50 mm
Connecting thread	6 x G1/2 inside
Highest allowed working pressure	10 bar
Test pressure	13 bar
Highest allowed working temperature	110 °C
Basic paint	KTL
Surface paint	white

Other colours available according to our colour card.

Position of radiator



Recommended mounting brackets - type	Code for ordering	Type 10	Type 20
Drilled bracket 15/120	Z-U140		X
Drilled bracket 18/120	Z-U144	X	X
Single wall bracket	Z-U320	X	X
Single wall bracket – angled	Z-U300	X	X

Heat output and basic technical parameters

20°C		Type 10				Type 20			
		Height H [mm]							
Length L [mm]		1600	1800	2000	2300	1600	1800	2000	2300
400	Q [W] 90/70 [°C]	751	823	891	989	1068	1168	1264	1400
	Q [W] 75/65 [°C]	602	661	717	797	847	927	1004	1114
	Q [W] 70/55 [°C]	487	536	582	648	677	742	804	894
	Q [W] 55/45 [°C]	315	348	379	423	429	471	511	570
	Water volume [l]	3,7	4,1	4,6	5,3	7,0	7,9	8,8	10,1
Radiator weight [kg]		20,11	22,59	25,07	28,85	33,23	37,51	41,61	47,91
Temp. exponent n [-]		1,2512	1,2400	1,2334	1,2234	1,3160	1,3115	1,3056	1,2967
600	Q [W] 90/70 [°C]	1035	1133	1227	1363	1491	1631	1764	1955
	Q [W] 75/65 [°C]	829	909	986	1097	1185	1297	1404	1559
	Q [W] 70/55 [°C]	669	735	799	890	950	1040	1127	1254
	Q [W] 55/45 [°C]	432	477	519	580	604	663	720	803
	Water volume [l]	5,0	5,6	6,2	7,1	9,3	10,4	11,6	13,3
Radiator weight [kg]		28,41	31,99	35,57	40,85	48,98	55,16	61,26	70,46
Temp. exponent n [-]		1,2595	1,2482	1,2415	1,2315	1,3036	1,2991	1,2932	1,2844
900	Q [W] 90/70 [°C]	1426	1560	1692		2090	2283	2471	
	Q [W] 75/65 [°C]	1141	1251	1358		1659	1814	1965	
	Q [W] 70/55 [°C]	921	1011	1099		1328	1454	1576	
	Q [W] 55/45 [°C]	594	655	713		843	924	1004	
	Water volume [l]	6,9	7,7	8,6		13,3	15,0	16,6	
Radiator weight [kg]		45,21	50,79	56,47		75,47	84,95	94,45	
Temp. exponent n [-]		1,2637	1,2524	1,2457		1,3097	1,3052	1,2993	
Resistance coefficient ξ_r [-]		140,0				82,0			
Flow coefficient A_f [m²]		$2,4 \times 10^{-5}$				$3,14 \times 10^{-5}$			

Heat outputs in accordance with EN 442.

Characteristic equation: $\Phi = K \cdot L^a \cdot H^b \cdot \Delta T^{(c_0+c_1+H)}$

Data for placing orders

Steel panel radiators	Version	Model	Type	Code for ordering
RADIK	VERTIKAL	RADIK PLAN VERTIKAL - M	10 PLAN VERTIKAL - M 20 PLAN VERTIKAL - M	10-LHHH-V 20-LHHH-V

L - Length in dm, HHH - Height in cm, V - Model number (RADIK PLAN VERTIKAL - M)