

RADIK PLAN VERTIKAL - M

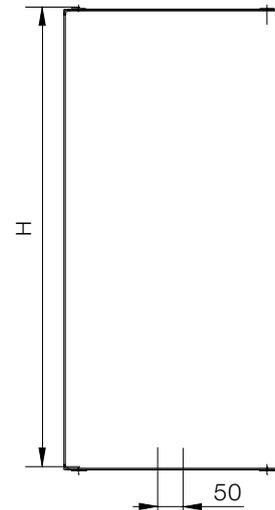


Description

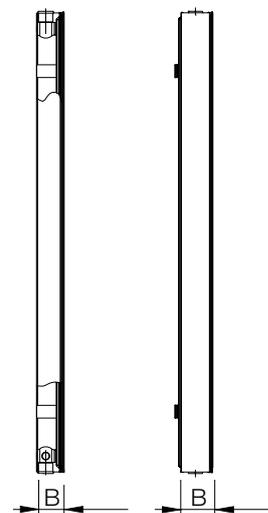
The **RADIK PLAN VERTIKAL - M** model is a vertically aligned panel radiator with a flat front panel. Its design allows for **bottom middle connection** to a pressurised heating system. It is equipped with a total of 6 outlets with a G1/2" internal thread. Two upper and two lower fixing hangers are welded to the back. Type 20 radiators in lengths of 600 and 900 mm have one extra fixing hanger at the top. To select the mounting brackets, use the table on [page 41](#).

For connecting to the heating system we recommend using the Integrated Fitting HM supplied with a thermostatic head ([see page 100](#)).

Overview of types



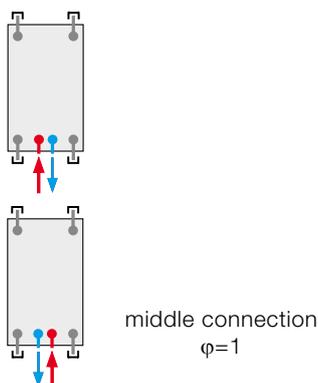
Type 10 Type 20



Technical data

Height H	1600, 1800, 2000 mm
Length L	400, 600, 900 mm
Depth B	
Type 10	52 mm
Type 20	68 mm
Connecting pitch	50 mm
Connecting thread	6 × G 1/2" inside
Highest allowed working pressure	1,0 MPa
Highest allowed working temperature	110 °C
Radiator connection	middle connection

Examples of connection to the heating system



[Heat output on page 75.](#)

[Ordering details are provided on page 98.](#)

RADIK PLAN VERTIKAL - M, LINE VERTIKAL - M



HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10			Type 20		
Length L [mm]	t ₁ /t ₂ [°C]	Height H [mm]					
		1600	1800	2000	1600	1800	2000
400	75/65	602	661	717	847	927	1004
	70/55	491	540	587	684	749	812
	55/45	318	351	382	432	474	515
	45/40	222	246	268	296	325	354
600	75/65	829	909	986	1185	1297	1404
	70/55	676	742	806	959	1050	1138
	55/45	436	480	523	609	668	725
	45/40	303	336	366	418	460	500
900	75/65	1141	1252	1358	1659	1815	1965
	70/55	929	1021	1109	1341	1468	1591
	55/45	598	660	719	850	932	1012
	45/40	416	461	502	583	640	696

BASIC TECHNICAL PARAMETERS

Length L [mm]	Parametr	Type 10			Type 20		
		Height H [mm]					
		1600	1800	2000	1600	1800	2000
400	Water volume [l]	3,7	4,1	4,6	7,0	7,9	8,8
	Radiator weight [kg]	19,0	21,3	23,6	31,7	35,7	39,6
	Temp. exponent n [-]	1,2512	1,2400	1,2334	1,3160	1,3115	1,3056
	K _M	4,5066	5,1699	5,7545	4,9208	5,4813	6,0752
600	Water volume [l]	5,0	5,6	6,2	9,3	10,4	11,6
	Radiator weight [kg]	27,6	31,2	34,4	46,2	51,7	57,7
	Temp. exponent n [-]	1,2595	1,2482	1,2415	1,3036	1,2991	1,2932
	K _M	6,0076	6,8851	7,6667	7,2267	8,0502	8,9178
900	Water volume [l]	6,9	7,7	8,6	13,3	15,0	16,6
	Radiator weight [kg]	41,4	46,5	51,6	70,3	79,0	87,8
	Temp. exponent n [-]	1,2637	1,2524	1,2457	1,3097	1,3052	1,2993
	K _M	8,1339	9,3286	10,3871	9,8788	10,9997	12,1868
	Resistance coefficient ξ _r [-]	140,0			82,0		
	Flow coefficient A _r [m ²]	2,4 x 10 ⁻⁵			3,14 x 10 ⁻⁵		

$$\text{Characteristic equation: } \phi = K_M \cdot \Delta T^n \left[\frac{\text{W}}{\text{m}} \right], \quad \Delta T = \frac{t_1 + t_2}{2} - t_r \text{ [K]}$$

t₁ – temperature water-in, t₂ – temperature water-out, t_r – relative air temperature

☞ Note: for the ordering code scheme, see page 99.

ORDER ITEM CODES

Steel panel radiators	Version	Model	Type	Code for ordering
RADIK	VERTIKAL	☑ RADIK PLAN VERTIKAL - M	10 PLAN VERTIKAL	10HHHLLL-V0P0010
			20 PLAN VERTIKAL	20HHHLLL-V0P0010
		☑ RADIK LINE VERTIKAL - M	10 LINE VERTIKAL	10HHHLLL-V0L0010
			20 LINE VERTIKAL	20HHHLLL-V0L0010
		☑ RADIK PREMIUM	10 PREMIUM	10HHHLLL-WU-0010
			11 PREMIUM	11HHHLLL-WU-0010
			20 PREMIUM	20HHHLLL-WU-0010
			21 PREMIUM	21HHHLLL-WU-0010
			22 PREMIUM	22HHHLLL-WU-0010
		☑ RADIK PLAN PREMIUM	11 PLAN PREMIUM	11HHHLLL-WUP0010
			20 PLAN PREMIUM	20HHHLLL-WUP0010
			21 PLAN PREMIUM	21HHHLLL-WUP0010
			22 PLAN PREMIUM	22HHHLLL-WUP0010
		☑ RADIK LINE PREMIUM	11 LINE PREMIUM	11HHHLLL-WUL0010
			20 LINE PREMIUM	20HHHLLL-WUL0010
			21 LINE PREMIUM	21HHHLLL-WUL0010
			22 LINE PREMIUM	22HHHLLL-WUL0010
		HYGIENE	☑ RADIK HYGIENE VKM8	10 HYGIENE VKM8
	20S HYGIENE VKM8			20HHHLLL-SCH0010
	30 HYGIENE VKM8			30HHHLLL-SCH0010
	☑ RADIK HYGIENE VK		10 HYGIENE VK	10HHHLLL-6CH0010
			20S HYGIENE VK	20HHHLLL-6CH0010
			30 HYGIENE VK	30HHHLLL-6CH0010
	☑ RADIK HYGIENE		10 HYGIENE	10HHHLLL-5CH0010
			20S HYGIENE	20HHHLLL-5CH0010
			30 HYGIENE	30HHHLLL-5CH0010
	☑ RADIK CLEAN VKM8		10 CLEAN VKM8	10HHHLLL-S0-0010
			20S CLEAN VKM8	20HHHLLL-SC-0010
			30 CLEAN VKM8	30HHHLLL-SC-0010
	☑ RADIK CLEAN VK		10 CLEAN VK	10HHHLLL-60-0010
			20S CLEAN VK	20HHHLLL-6C-0010
			30 CLEAN VK	30HHHLLL-6C-0010
	☑ RADIK CLEAN		10 CLEAN	10HHHLLL-50-0010
			20S CLEAN	20HHHLLL-5C-0010
			30 CLEAN	30HHHLLL-5C-0010

☑ Note: for the ordering code scheme, see page 99.