

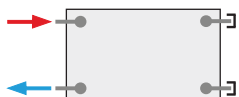
RADIK KLASIK



Technical data

Height H	300, 400, 500, 600, 700, 900 mm
Length L	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000, 2300, 2600, 3000 mm
Connecting pitch	$h = H - 54$ mm
Connecting thread	4 x G1/2 inside
Highest allowed working pressure	10 bar
Highest allowed working temperature	110 °C
Radiator connection	left or right side

Examples of connection to the heating system



side - one side
 $\varphi = 1$



side - two sides diagonal
 $\varphi = 1$
recommended for: $L \geq 3 \times H$



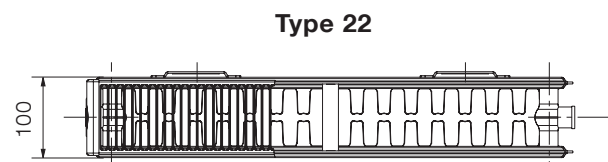
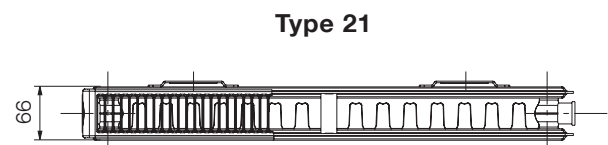
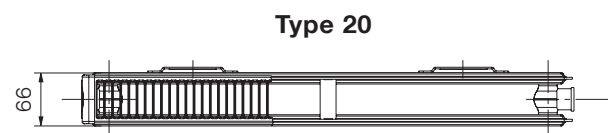
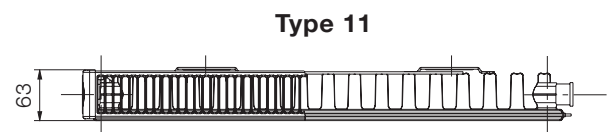
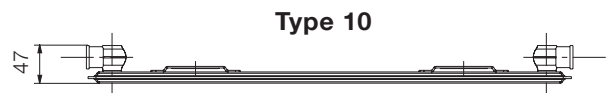
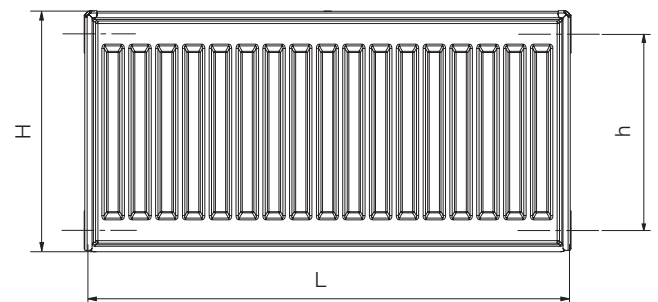
side - two sides direct
 $\varphi = 0,9$

Description

RADIK KLASIK model is a steel panel radiator in KLASIK version which allows **left or right side connection** to the heating system circuit. It is intended for heating systems which are gravity or pressure fed.

Two upper and lower hangers are welded at the back of the radiator. Radiators 1800 mm long and longer have six welded hangers.

Overview of types



RADIK KLASIK - Z, VK - Z

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 10 Type 10 VK						Type 11 Type 11 VK					
Length L [mm]	t ₁ /t ₂ [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	90/70			261	306	352	444	279	360	436	509	579	709
	75/65			206	242	278	350	220	283	343	401	456	558
	70/55			166	196	225	283	177	229	277	324	368	450
	55/45			105	125	143	179	112	145	176	205	233	284
500	90/70	210	269	326	382	440	555	349	450	545	636	724	887
	75/65	165	212	257	302	347	438	275	354	429	501	570	697
	70/55	133	171	208	245	281	354	222	286	347	405	460	562
	55/45	84	108	132	156	179	224	140	181	219	256	291	355
600	90/70	252	323	391	459	528	666	419	540	654	763	868	1064
	75/65	198	254	308	362	416	525	329	425	515	601	683	836
	70/55	159	205	249	294	337	424	266	343	416	486	552	675
	55/45	100	129	158	187	214	269	168	217	263	308	349	426
700	90/70			457	535	616	777	488	630	763	891	1013	1241
	75/65			360	423	486	613	384	496	601	701	797	976
	70/55			291	343	393	495	310	400	485	567	644	787
	55/45			185	218	250	314	196	253	307	359	407	497
800	90/70			522	612	704	889	558	720	872	1018	1158	1419
	75/65			411	483	555	700	439	566	686	802	911	1115
	70/55			333	392	450	566	355	457	555	648	736	900
	55/45			211	249	286	359	224	289	351	410	466	568
900	90/70			587	688	791	1000	628	810	981	1145	1303	1596
	75/65			463	544	625	788	494	637	772	902	1025	1255
	70/55			374	440	506	637	399	515	624	729	828	1012
	55/45			237	281	322	404	252	326	395	462	524	639
1000	90/70			652	765	879	1111	698	900	1090	1272	1447	1773
	75/65			514	604	694	875	549	708	858	1002	1139	1394
	70/55			416	489	562	707	443	572	693	810	920	1125
	55/45			264	312	357	449	280	362	439	513	582	710
1100	90/70			718	841	967	1222	768	990	1199	1400	1592	1951
	75/65			565	664	763	963	604	779	944	1102	1253	1533
	70/55			457	538	618	778	488	629	763	891	1012	1237
	55/45			290	343	393	493	308	398	483	564	640	781
1200	90/70			783	918	1055	1333	837	1080	1308	1527	1737	2128
	75/65			617	725	833	1050	659	850	1030	1202	1367	1673
	70/55			499	587	674	849	532	686	832	972	1104	1350
	55/45			316	374	429	538	336	434	527	616	699	852
1400	90/70			913	1071	1231	1555	977	1260	1526	1781	2026	2483
	75/65			720	846	972	1225	769	991	1201	1403	1595	1952
	70/55			582	685	787	990	621	801	970	1134	1288	1575
	55/45			369	437	500	628	392	507	614	718	815	994
1600	90/70			1044	1224	1407	1777	1117	1439	1744	2036	2316	2838
	75/65			822	966	1110	1400	878	1133	1373	1603	1822	2230
	70/55			665	783	899	1132	709	915	1109	1296	1472	1800
	55/45			422	499	572	718	449	579	702	821	931	1136
1800	90/70			1174	1377	1583		1256	1619	1962	2290	2605	
	75/65			925	1087	1249		988	1274	1544	1804	2050	
	70/55			748	881	1011		798	1029	1248	1458	1656	
	55/45			475	561	643		505	651	790	923	1048	
2000	90/70			1305	1529	1759		1396	1799	2180	2545	2895	
	75/65			1028	1208	1388		1098	1416	1716	2004	2278	
	70/55			831	979	1124		887	1144	1386	1620	1840	
	55/45			527	624	715		561	724	878	1026	1164	

BASIC TECHNICAL PARAMETERS



RADIK KLASIK, RADIK KLASIK - Z, RADIK VK, RADIK VK - Z, RADIK VKU, RADIK VKL

Height H [mm]	Type 10 Type 10 VK Type 10 VKL						Type 11 Type 11 VK Type 11 VKL						Type 20 Type 20 VK		
	300	400	500	600	700	900	300	400	500	600	700	900	500	600	700
Nominal heat output [W/m]	330	423	514	604	694	875	549	708	858	1002	1139	1394	838	978	1117
Temp. exponent n [-]	1,3319	1,3193	1,3068	1,2942	1,2989	1,3083	1,3156	1,3140	1,3123	1,3107	1,3140	1,3206	1,3005	1,3014	1,3192
K_T c_0	0,01983700			1,29050000			0,01407200			1,34220000			0,05138300		1,28720000
b c_1	0,81190000			0,00003492			0,94200000			-0,00004407			0,73450000		0,00005091
Radiator weight [kg/m]	5,8	7,6	9,5	11,5	14,3	16,7	10,1	12,5	15,7	18,8	22,7	28,3	20,4	24,4	29,3
Water volume [l/m]	1,9	2,3	2,7	3,1	3,5	4,3	1,9	2,3	2,7	3,1	3,5	4,3	5,1	5,8	6,6
Flow coefficient A_T [m ²]	6,5 x 10 ⁻⁵ (DN 15)						6,5 x 10 ⁻⁵ (DN 15)						1,0 x 10 ⁻⁴ (DN 15)		
Resistance coefficient ξ_T [-]	19,0 (DN 15)						19,0 (DN 15)						8,5 (DN 15)		

Stated values for the flow coefficient A_T and the coefficient of resistance ξ_T apply only to the model RADIK KLASIK.

RADIK KLASIK, RADIK KLASIK - Z, RADIK VK, RADIK VK - Z, RADIK VKU, RADIK VKL

Height H [mm]	Type 21 Type 21 VK Type 21 VKL Type 21 VKU						Type 22 Type 22 VK Type 22 VKL Type 22 VKU						Type 33 Type 33 VK Type 33 VKL Type 33 VKU							
	300	400	500	600	700	900	200	300	400	500	600	700	900	200	300	400	500	600	700	900
Nominal heat output [W/m]	745	937	1117	1288	1450	1754	649	966	1216	1452	1679	1897	2313	934	1379	1738	2079	2406	2723	3328
Temp. exponent n [-]	1,3197	1,3238	1,3278	1,3319	1,3405	1,3578	1,2560	1,3297	1,3316	1,3334	1,3353	1,3427	1,3574	1,2668	1,2977	1,3129	1,3282	1,3434	1,3498	1,3626
K_T c_0	0,03399300			1,35050000			4,7667	0,05120200			1,34380000			6,5784	0,07428700			1,33630000		
b c_1	0,83090000			-0,00002395			-	0,80550000			-0,00000514			-	0,80730000			-0,00000262		
Radiator weight [kg/m]	14,3	18,8	22,1	26,4	30,6	40,2	10,2	17,0	22,7	25,7	31,1	36,2	47,1	15,1	25,5	34,0	38,9	46,8	54,4	70,9
Water volume [l/m]	3,7	4,4	5,1	5,8	6,6	8,3	3,1	3,7	4,4	5,1	5,8	6,6	8,4	4,6	5,3	6,4	7,6	8,7	10,0	12,6
Flow coefficient A_T [m ²]	1,0 x 10 ⁻⁴ (DN 15)						1,0 x 10 ⁻⁴ (DN 15)						1,18 x 10 ⁻⁴ (DN 15)							
Resistance coefficient ξ_T [-]	8,5 (DN 15)						8,5 (DN 15)						5,8 (DN 15)							

Stated values for the flow coefficient A_T and the coefficient of resistance ξ_T apply only to the model RADIK KLASIK.

RADIK VKM, RADIK VKM - L

Height H [mm]	Type 10 VKM Type 10 VKM - L						Type 11 VKM Type 11 VKM - L					
	300	400	500	600	700	900	300	400	500	600	700	900
Nominal heat output [W/m]	375	476	572	665	753	922	533	683	831	979	1129	1432
Temp. exponent n [-]	1,2945	1,3013	1,3081	1,3149	1,3210	1,3331	1,2583	1,2772	1,2962	1,3151	1,3198	1,3291
K_T c_0	0,01616400			1,32460000			0,03737600			1,27140000		
b c_1	0,85720000			-0,00001748			0,79480000			0,00004924		
Radiator weight [kg/m]	6,4	8,2	10,2	12,2	15,0	17,5	10,7	13,1	16,4	19,5	23,4	29,1
Water volume [l/m]	1,9	2,3	2,7	3,1	3,5	4,5	1,9	2,3	2,7	3,1	3,5	4,5

Characteristic equation: $\Phi = K_T \cdot H^b \cdot \Delta T^{(c_0 + c_1 \cdot H)}$, $\Phi = K_M \cdot \Delta T^n$

RADIK VKM, RADIK VKM - L, RADIK VKM-U

Height H [mm]	Type 21 VKM Type 21 VKM - L Type 21 VKM-U						Type 22 VKM Type 22 VKM - L Type 22 VKM-U						Type 33 VKM Type 33 VKM - L Type 33 VKM-U					
	300	400	500	600	700	900	300	400	500	600	700	900	300	400	500	600	700	900
Nominal heat output [W/m]	748	937	1118	1294	1466	1802	950	1204	1447	1680	1905	2335	1331	1716	2075	2411	2724	3286
Temp. exponent n [-]	1,3135	1,3259	1,3384	1,3508	1,3602	1,3791	1,2985	1,3122	1,3260	1,3397	1,3468	1,3609	1,3190	1,3273	1,3357	1,3440	1,3529	1,3708
K_T c_0	0,05250800			1,33530000			0,04268400			1,33820000			0,02273700			1,39030000		
b c_1	0,75670000			0,00002048			0,83910000			-0,00000944			0,98690000			-0,00007695		
Radiator weight [kg/m]	14,9	19,4	22,8	27,1	31,3	41,0	17,6	23,3	26,4	31,8	36,9	47,9	26,1	34,6	39,6	47,5	55,1	71,7
Water volume [l/m]	3,7	4,5	5,3	6,2	7,0	8,7	3,7	4,5	5,3	6,2	7,0	8,9	5,4	6,7	8,0	9,3	10,5	13,0

The company reserves the right to make technical changes.