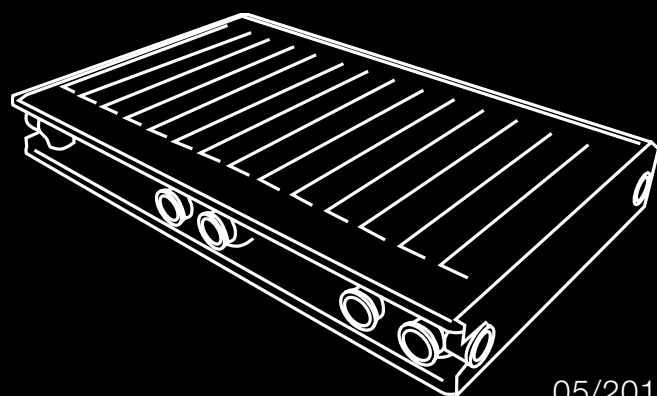


# RADIK VKM8

universal panel radiator



# NO LIMITS, NO STRESS

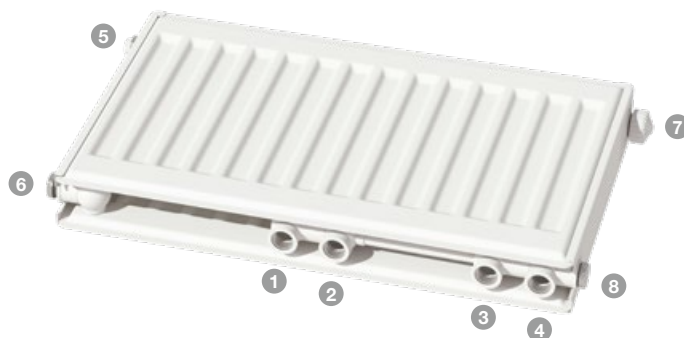
SOLUTION FOR EVERY CONNECTION – RADIK VKM8



The original solution of the internal distribution pipeline of **RADIK VKM8** panel radiator gives a free hand to choose the way of connection to the heating system.

- ① ② **bottom middle connection**
- ③ ④ right/ left bottom connection
- ⑤ ⑥ ⑦ ⑧ side connection

- substitutes most of the current radiators
- one radiator, various ways of connection
- the same distance of the bottom middle connection from the wall for types 20, 21, 22 and 33



- choose your own design of the front panel (profiled / PLAN / LINE)
- colours from KORADO and RAL colour range
- can be supplemented with a detachable front panel (PLAN / LINE SET)

## Use

RADIK VKM8 steel panel radiators are designed for central heating systems in buildings with the highest allowed working pressure of **10 bar** where water or water solutions are used as the heating medium. The highest allowed working temperature is **110 °C**. These radiators are designed for single-pipe or twin-pipe systems with forced circulation. Radiators must be installed in a professional way in hot water systems which are carried out professionally according to VDI 2035 with regard to the protection against damage caused by corrosion and scale.

### The following main water quality attributes must be adhered to:

- pH range 8.5–9.5 (this applies to systems which do not contain any aluminium),
- overall water hardness (content of Ca + Mg ions) up to 1 mmol/ l,
- salinity within the range 300–500 µS/cm,
- oxygen content max. 0.1 mg/l.

## Basic equipment

All radiators in the version VKM8 are equipped with an inserted 8-level distribution valve with stepless regulation, an air vent and a respective number of blanking plugs. Except of the type 10 all radiators are delivered with side covers and top grills.

## Overview of models

**RADIK VKM8** and **RADIK VKM8 - L** are radiator models with welded hangers, with profiled front panel, with vertically and horizontally aligned channels.

**RADIK VKM8 - U** is a radiator model without welded hangers, with profiled front panel, with vertically and horizontally aligned channels.

**RADIK PLAN VKM8** is a radiator model with welded hangers, with flat front panel.

**RADIK LINE VKM8** is a radiator model with welded hangers, with flat front panel with horizontal grooves.



**RADIK LINE VKM8**



**RADIK VKM8 - L**



**RADIK PLAN VKM8**



**RADIK VKM8 - U**

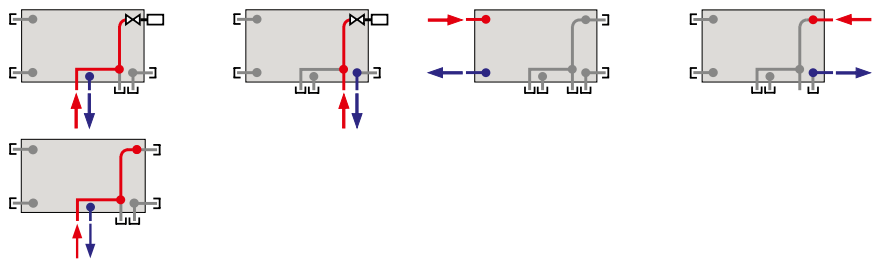


# WAYS OF CONNECTION TO THE HEATING SYSTEM

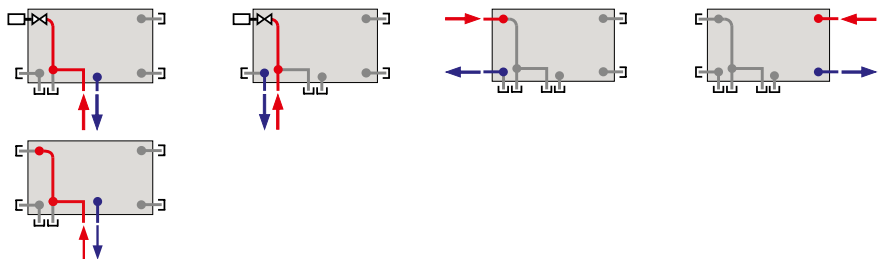
## Basic ways of connection



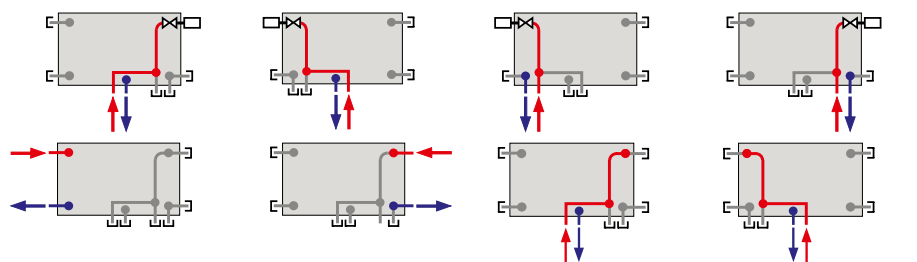
27 possibilities of connection with hangers



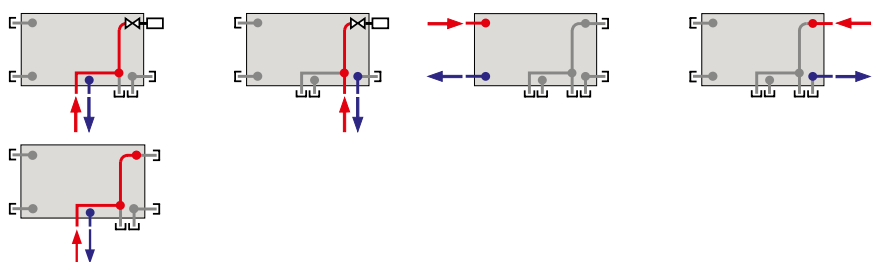
27 possibilities of connection with hangers



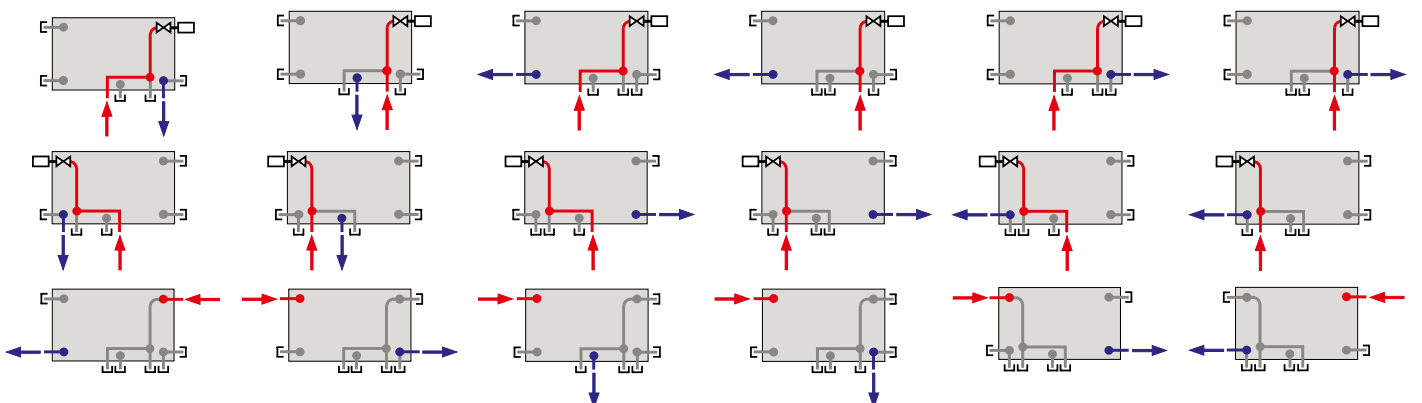
48 possibilities of connection without hangers



27 possibilities of connection with hangers



## Examples of other ways of connection

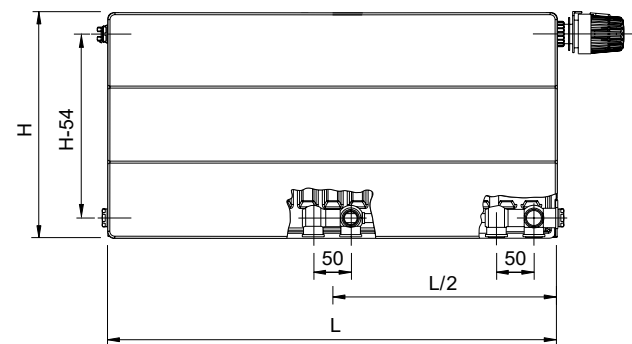




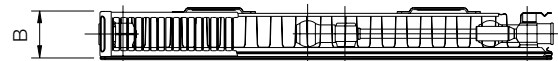
## Description

Model **RADIK LINE VKM8** is a panel radiator with flat front panel (version LINE) and at the same time it is in version VENTIL KOMPAKT. This design allows **bottom middle or bottom right connection** of the radiator to the heating system with forced circulation. The types 20, 21, 22 and 33 have the same distance of the bottom middle connection from the wall. Two upper and two lower hangers are welded to the back side of the radiator, the radiators with length of 1800mm and more are equipped with six welded hangers.

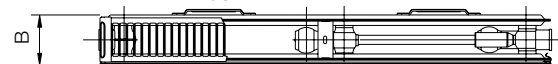
## Overview of types



Type 11 LINE VKM8



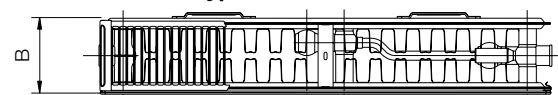
Type 20 LINE VKM8



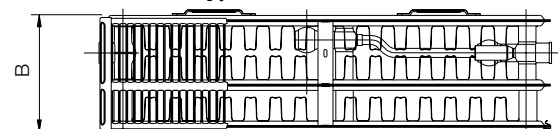
Type 21 LINE VKM8



Type 22 LINE VKM8



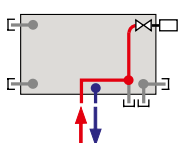
Type 33 LINE VKM8



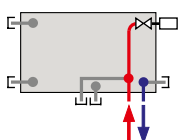
## Technical data

<b>Height H</b>	300, 400, 500, 600, 700, 900 mm
<b>Length L</b>	400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1600, 1800, 2000 mm
<b>Depth B</b>	
Type 11 LINE VKM8	65 mm
Type 20 LINE VKM8	68 mm
Type 21 LINE VKM8	68 mm
Type 22 LINE VKM8	102 mm
Type 33 LINE VKM8	157 mm
<b>Connecting pitch h</b>	50 mm
<b>Connecting thread</b>	8× G 1/2" inside
<b>Highest allowed working pressure</b>	10 bar
<b>Highest allowed working temperature</b>	110 °C
<b>Radiator connection</b>	middle connection right bottom

## Examples of connection to the heating system



middle connection  
 $\varphi = 1$



right bottom  
 $\varphi = 1$

(more examples of other way connection see on page 6)

# RADIK PLAN VKM8, LINE VKM8

HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 11 PLAN VKM8 Type 11 LINE VKM8						Type 20 PLAN VKM8 Type 20 LINE VKM8			Type 21 PLAN VKM8 Type 21 LINE VKM8					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]														
		300	400	500	600	700	900	500	600	700	300	400	500	600	700	900
400	75/65	212	263	312	359	404	492	339	388	434	288	362	429	490	547	647
	70/55	173	214	253	291	327	397	275	314	351	233	292	346	394	439	519
	55/45	111	138	162	186	208	250	176	200	224	148	185	218	247	275	324
	45/40	77	95	112	129	143	171	121	138	154	102	127	149	168	187	219
500	75/65	265	329	390	449	506	616	424	485	543	360	452	536	613	684	809
	70/55	216	268	317	364	409	496	344	393	439	291	365	432	493	549	649
	55/45	139	172	203	233	260	313	219	250	279	185	231	272	309	344	405
	45/40	97	119	141	161	179	214	151	173	192	127	158	186	210	234	274
600	75/65	318	395	468	538	607	739	509	581	651	432	542	643	736	820	970
	70/55	259	321	380	437	491	596	413	471	527	350	438	518	592	659	778
	55/45	167	206	244	279	312	375	263	300	335	222	277	327	371	413	486
	45/40	116	143	169	193	215	256	182	207	231	153	190	223	252	280	329
700	75/65	371	461	546	628	708	862	594	678	760	504	633	750	858	957	1132
	70/55	302	375	444	509	573	695	481	550	615	408	511	605	690	769	908
	55/45	195	241	284	326	364	438	307	351	391	259	323	381	433	481	566
	45/40	135	167	197	225	251	299	212	242	269	178	222	260	295	327	384
800	75/65	424	526	624	718	809	985	678	775	868	576	723	858	981	1094	1294
	70/55	345	428	507	582	655	794	550	628	703	466	584	691	789	879	1038
	55/45	223	275	325	372	417	501	351	401	447	296	370	435	495	550	647
	45/40	155	191	225	257	287	342	242	276	308	204	253	297	337	374	438
900	75/65	477	592	702	807	910	1108	763	872	977	648	814	965	1103	1230	1455
	70/55	389	482	570	655	737	893	619	707	791	524	657	778	888	989	1168
	55/45	250	310	365	419	469	563	395	451	503	333	416	490	557	619	728
	45/40	174	215	253	289	323	385	273	311	346	229	285	334	379	420	493
1000	75/65	530	658	780	897	1011	1231	848	969	1085	720	904	1072	1226	1367	1617
	70/55	432	535	634	728	819	993	688	785	879	583	730	864	986	1099	1297
	55/45	278	344	406	465	521	626	439	501	559	370	462	544	619	688	809
	45/40	194	239	281	321	358	427	303	345	385	255	316	372	421	467	548
1100	75/65	583	724	858	987	1112	1354	933	1066	1194	792	994	1179	1349	1504	1779
	70/55	475	589	697	801	900	1092	756	864	966	641	803	950	1085	1209	1427
	55/45	306	378	447	512	573	688	483	551	615	407	508	599	680	757	890
	45/40	213	263	309	353	394	470	333	380	423	280	348	409	463	514	603
1200	75/65	636	790	936	1076	1213	1477	1018	1163	1302	864	1085	1286	1471	1640	1940
	70/55	518	642	760	873	982	1191	825	943	1054	699	876	1037	1183	1318	1557
	55/45	334	413	487	558	625	751	527	601	671	444	554	653	742	825	971
	45/40	232	286	337	386	430	513	363	414	462	306	380	446	505	561	657
1400	75/65	742	921	1092	1256	1415	1723	1187	1357	1519	1008	1266	1501	1716	1914	2264
	70/55	604	749	887	1019	1146	1390	963	1100	1230	816	1022	1210	1381	1538	1816
	55/45	389	482	569	651	729	876	614	701	782	518	647	762	866	963	1133
	45/40	271	334	394	450	502	598	424	483	538	356	443	520	589	654	767
1600	75/65	848	1053	1248	1435	1618	1970	1357	1550	1736	1152	1446	1715	1962	2187	2587
	70/55	691	856	1014	1165	1310	1588	1100	1257	1406	932	1168	1383	1578	1758	2076
	55/45	445	550	650	744	833	1001	702	801	894	592	739	871	990	1101	1295
	45/40	310	382	450	514	573	684	485	552	615	407	506	595	673	747	877
1800	75/65	954	1184	1404	1615	1820	2222	1526	1744	1953	1296	1627	1930	2207	2461	2934
	70/55	777	964	1141	1310	1473	1813	1238	1414	1581	1049	1314	1555	1775	1978	2343
	55/45	501	619	731	837	937	1113	790	901	1006	666	831	980	1113	1238	1473
	45/40	348	430	506	578	645	781	545	621	692	458	570	669	757	841	996
2000	75/65	1060	1316	1560	1794	2022	2472	1696	1938	2170	1440	1808	2144	2452	2734	3284
	70/55	863	1071	1267	1456	1637	1987	1375	1571	1757	1165	1460	1728	1972	2197	2647
	55/45	556	688	812	930	1041	1241	878	1001	1118	741	924	1089	1237	1376	1621
	45/40	387	477	562	643	717	867	606	691	769	509	633	743	842	934	1099



## HEAT OUTPUT IN WATTS CERTIFIED TO EN 442

20 °C		Type 22 PLAN VKM8 Type 22 LINE VKM8						Type 33 PLAN VKM8 Type 33 LINE VKM8					
Length L [mm]	t <sub>1</sub> /t <sub>2</sub> [°C]	Height H [mm]											
		300	400	500	600	700	900	300	400	500	600	700	900
400	75/65	366	466	560	648	732	886			809	936	1059	1292
	70/55	297	377	452	523	589	712			652	756	853	1037
	55/45	190	240	287	330	371	445			412	477	537	646
	45/40	131	165	196	225	253	302			281	327	366	438
500	75/65	457	583	700	811	915	1108			1011	1171	1324	1616
	70/55	371	472	566	654	737	889			816	945	1066	1296
	55/45	237	300	358	412	463	556			515	597	671	808
	45/40	164	206	246	281	316	377			352	408	457	547
600	75/65	548	699	840	973	1098	1329			1213	1405	1589	1939
	70/55	445	566	679	784	884	1067			979	1134	1280	1555
	55/45	284	360	430	494	556	667			618	716	805	970
	45/40	196	248	295	338	379	452			422	490	549	656
700	75/65	640	816	980	1135	1281	1551			1415	1639	1854	2262
	70/55	519	660	792	915	1032	1245			1142	1323	1493	1814
	55/45	332	420	501	577	648	778			720	836	939	1131
	45/40	229	289	344	394	442	528			493	572	640	766
800	75/65	731	932	1120	1297	1464	1772	1070	1351	1618	1873	2118	2585
	70/55	593	755	905	1046	1179	1423	862	1089	1305	1512	1706	2073
	55/45	379	480	573	659	741	889	543	687	823	955	1073	1293
	45/40	262	330	393	450	505	603	370	469	563	653	732	875
900	75/65	823	1049	1260	1459	1647	1994	1203	1520	1820	2107	2383	2908
	70/55	667	849	1018	1176	1326	1601	970	1226	1468	1700	1920	2333
	55/45	426	540	645	742	834	1001	610	772	926	1074	1207	1454
	45/40	295	372	442	507	568	679	417	528	633	735	823	984
1000	75/65	914	1165	1400	1621	1830	2215	1337	1689	2022	2341	2648	3231
	70/55	742	943	1131	1307	1474	1779	1077	1362	1631	1889	2133	2592
	55/45	474	600	716	824	926	1112	678	858	1029	1194	1341	1616
	45/40	327	413	491	563	631	754	463	586	704	817	915	1094
1100	75/65	1005	1282	1540	1783	2013	2437	1471	1858	2224	2575	2913	3554
	70/55	816	1038	1244	1438	1621	1957	1185	1498	1794	2078	2346	2851
	55/45	521	660	788	906	1019	1223	746	944	1132	1313	1476	1777
	45/40	360	454	540	619	695	830	509	645	774	898	1006	1203
1200	75/65	1097	1398	1680	1945	2196	2658	1604	2027	2426	2809	3178	3877
	70/55	890	1132	1357	1569	1768	2135	1293	1634	1957	2267	2559	3110
	55/45	569	720	860	989	1112	1334	814	1030	1235	1432	1610	1939
	45/40	393	495	589	676	758	905	555	703	844	980	1098	1313
1400	75/65	1280	1631	1960	2269	2562	3101	1872	2365	2831	3277	3707	4523
	70/55	1038	1321	1584	1830	2063	2490	1508	1906	2284	2645	2986	3628
	55/45	663	840	1003	1154	1297	1557	950	1202	1441	1671	1878	2262
	45/40	458	578	688	788	884	1056	648	821	985	1143	1280	1531
1600	75/65	1462	1864	2240	2594	2928	3544	2139	2702	3235	3746	4237	5170
	70/55	1187	1509	1810	2091	2358	2846	1724	2179	2610	3023	3413	4147
	55/45	758	960	1146	1319	1482	1779	1085	1373	1647	1910	2146	2585
	45/40	524	661	786	901	1010	1207	741	938	1126	1307	1463	1750
1800	75/65	1645	2097	2520	2918	3294		2407	3040	3640	4214	4766	
	70/55	1335	1698	2036	2353	2653		1939	2451	2936	3401	3839	
	55/45	853	1080	1289	1483	1667		1221	1545	1853	2148	2415	
	45/40	589	743	884	1013	1136		833	1055	1267	1470	1646	
2000	75/65	1828	2330	2800	3242	3660		2674	3378	4044	4682	5296	
	70/55	1483	1887	2262	2614	2947		2155	2723	3262	3779	4266	
	55/45	948	1200	1433	1648	1853		1357	1717	2058	2387	2683	
	45/40	654	826	982	1126	1263		926	1172	1407	1634	1829	



# GENERAL INFORMATION

When installing the RADIK panel radiators in version VKM8 it is necessary to preset the valve to such a position that the radiator will perform as calculated. The preset position shall be indicated in the project documentation. It is the responsibility of the installer to adhere to such preset and calculated values. At the factory the valve is preset at level 8 and after rinsing and before the start of the heating test it must be set by a special key to the desired position.

## Thermostatic heads

To set and to regulate the temperature in a room it is necessary to fit a thermostatic head on the RADIK VKM8 radiators. For direct fitting only thermostatic heads with connecting thread M 30 x 1.5 can be used.



## Example of calculation

**Target value:** level of valve setting

**Values known:** heat output  
cooling of water  
pressure loss of radiator with valve  
heat capacity of water

$Q = 1135 \text{ W}$   
 $t_1 - t_2 = 15 \text{ K (65/50 °C)}$   
 $\Delta p = 30 \text{ mbar}$   
 $c = 1.163 \text{ Wh/kg.K}$

**Solution:** mass flow

$$m = \frac{Q}{c \cdot (t_1 - t_2)} = \frac{1135}{1.163 \cdot 15} = 65 \text{ kg/h}$$

level of presetting (see diagram):

4

## Table

Radiators in version VENTIL KOMPAKT without connecting fittings

Valve with a thermostatic head

Level of the valve setting	0.5	1	1.5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
$k_v$ [m³/h]	0.05	<b>0.13</b>	0.18	<b>0.22</b>	0.27	<b>0.31</b>	0.35	<b>0.38</b>	0.42	<b>0.47</b>	0.52	<b>0.57</b>	0.62	<b>0.66</b>	0.71	<b>0.75</b>

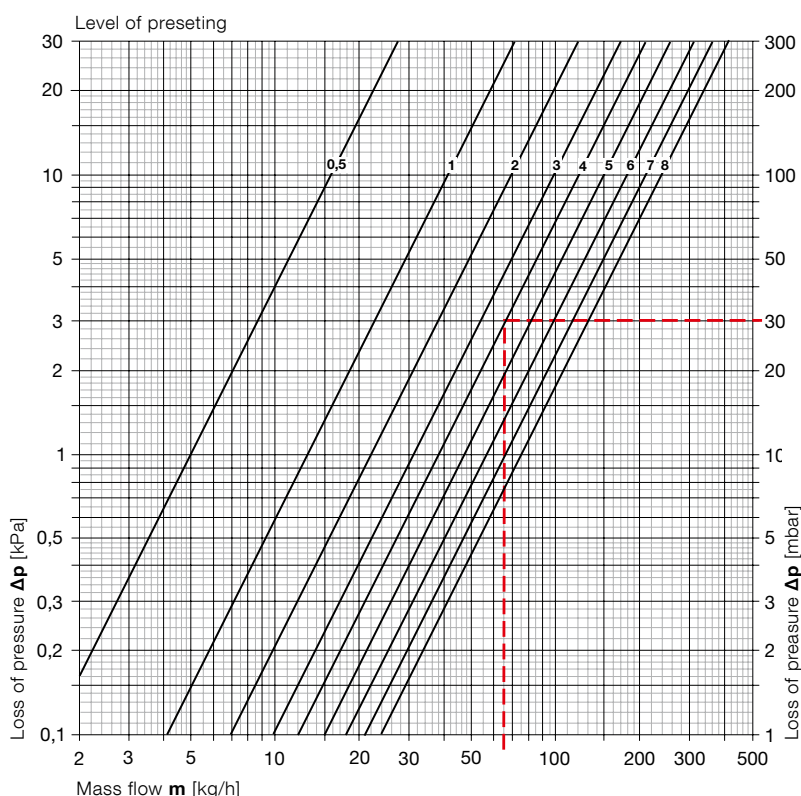
Valve without a thermostatic head

Level of the valve setting	0.5	1	1.5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8
$k_s$ [m³/h]	0.05	<b>0.16</b>	0.22	<b>0.27</b>	0.33	<b>0.38</b>	0.41	<b>0.43</b>	0.54	<b>0.65</b>	0.82	<b>0.98</b>	1.11	<b>1.23</b>	1.33	<b>1.43</b>

Highest allowed working temperature: 110 °C

Highest allowed working pressure: 10 bar

The indicated values of  $k_v$  comply with proportionality interval of 2 K.





## RADIK VKM8, VKM8 - L, VKM8 - U

Height H [mm]	Type 10						Type 11						Type 20		
	300	400	500	600	700	900	300	400	500	600	700	900	500	600	700
Nominal heat output [W/m]	375	476	572	665	753	922	533	683	831	979	1129	1432	934	1080	1222
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	1.3093	1.3160	1.3259
$K_M$	2.3698	2.9291	3.4275	3.8801	4.2900	5.0100	3.8807	4.6184	5.2167	5.7078	6.4624	7.9039	5.5704	6.2745	6.8298
Radiator weight [kg/m]	6.6	8.4	10.4	12.4	15.2	17.7	10.9	13.3	16.6	19.7	23.6	29.3	21.2	25.3	29.5
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	5.3	6.2	7.0

Height H [mm]	Type 21						Type 22						Type 33					
	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
$K_M$	4.3884	5.2369	5.9503	6.5609	7.1646	8.1791	5.9103	7.0997	8.0841	8.8961	9.8112	11.3804	7.6425	9.5384	11.1610	12.5540	13.6984	15.4070
Radiator weight [kg/m]	15.1	19.6	23.0	27.3	31.5	41.2	17.8	23.5	26.6	32.0	37.1	48.1	26.3	34.8	39.8	47.7	55.3	71.9
Water volume [l/m]	3.7	4.5	5.3	6.2	7.0	8.7	3.7	4.5	5.3	6.2	7.1	8.9	5.4	6.7	8.0	9.3	10.5	13.0

## RADIK PLAN VKM8, LINE VKM8

Height H [mm]	Type 11						Type 20			Type 21					
	300	400	500	600	700	900	500	600	700	300	400	500	600	700	900
Nominal heat output [W/m]	530	658	780	897	1011	1231	848	969	1085	720	904	1072	1226	1367	1617
Temp. exponent n [-]	1.2617	1.2698	1.2778	1.2859	1.2989	1.3249	1.2895	1.2924	1.2988	1.3019	1.3144	1.3268	1.3393	1.3446	1.3553
$K_M$	3.8079	4.5801	5.2620	5.8626	6.2800	6.9071	5.4648	6.1741	6.7423	4.4202	5.2850	5.9704	6.5022	7.1012	8.0556
Radiator weight [kg/m]	13.4	16.6	20.6	24.4	29.1	37.0	25.2	30	35	17.6	22.9	27.0	32.0	37	48.8
Water volume [l/m]	1.9	2.3	2.7	3.1	3.5	4.5	5.3	6.2	7.0	3.7	4.5	5.3	6.2	7.0	8.7

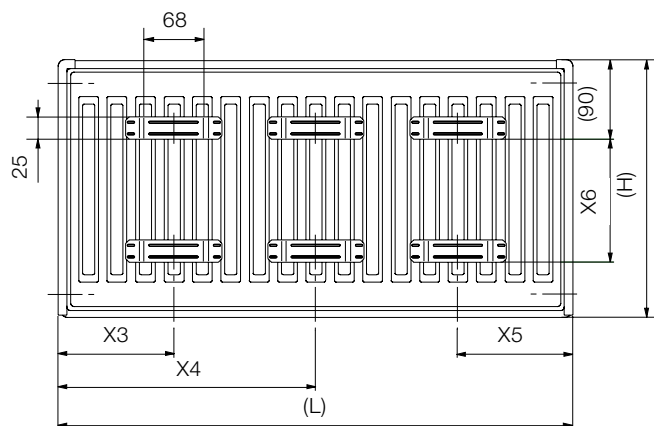
Height H [mm]	Type 22						Type 33					
	300	400	500	600	700	900	300	400	500	600	700	900
Nominal heat output [W/m]	914	1165	1400	1621	1830	2215	1337	1689	2022	2341	2648	3231
Temp. exponent n [-]	1.2863	1.2990	1.3117	1.3244	1.3327	1.3493	1.3284	1.3252	1.3219	1.3187	1.3313	1.3565
$K_M$	5.9643	7.2338	8.2716	9.1131	9.9594	11.2967	7.3998	9.4657	11.4792	13.4577	14.4904	16.0208
Radiator weight [kg/m]	20.4	26.7	30.6	36.6	42.6	55.8	29.0	38.2	43.8	52.4	60.8	79.7
Water volume [l/m]	3.7	4.5	5.3	6.2	7.1	8.9	5.4	6.7	8.0	9.3	10.5	13.0

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

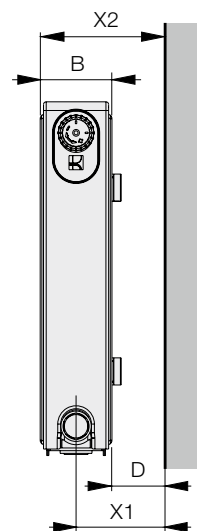
$t_1$  – temperature water-in,  $t_2$  – temperature water-out,  $t_r$  – relative air temperature

# DATA FOR MOUNTING

## Location of hangers



## Position of radiator



## Tables of sizes

Type	L [mm]						
	400	500 - 1600	1800	2000	2300	2600	3000
<b>X3</b> [mm]	<b>A</b>	167	167	167	167	167	167
	<b>B</b>	100	133	133	133	133	133
	<b>C</b>	117	150	150	150	150	150
	<b>D</b>	133	133	133	133	133	133
<b>X4</b> [mm]	<b>A</b>	-	-	900	1000	1133	1500
	<b>B</b>	-	-	900	1000	1133	1500
	<b>C</b>	-	-	900	1000	1133	1500
	<b>D</b>	-	-	900	1000	1133	1500
<b>X5</b> [mm]	<b>A</b>	100	133	133	133	133	133
	<b>B</b>	167	167	167	167	167	167
	<b>C</b>	117	150	150	150	150	150
	<b>D</b>	133	133	133	133	133	133

- A** - for types: 10 VKM8
- B** - for types: 10 VKM8 - L
- C** - for types: 11 VKM8, 11 VKM8 - L, 11 PLAN VKM8, 11 LINE VKM8
- D** - for types: 20 VKM8, 20 VKM8 - L, 20 PLAN VKM8, 20 LINE VKM8, 21 VKM8, 21 VKM8 - L, 21 PLAN VKM8, 21 LINE VKM8, 22 VKM8, 22 VKM8 - L, 22 PLAN VKM8, 22 LINE VKM8, 33 VKM8, 33 VKM8 - L, 33 PLAN VKM8, 33 LINE VKM8

Height H [mm]	300	400	500	600	700	900
<b>X6</b>	145	245	345	445	545	745

	Type	10 VKM8	11 VKM8 11 PLAN VKM8 11 LINE VKM8	20 VKM8 20 PLAN VKM8 20 LINE VKM8 20 VKM8 - U	21 VKM8 21 PLAN VKM8 21 LINE VKM8 21 VKM8 - U	22 VKM8 22 PLAN VKM8 22 LINE VKM8 22 VKM8 - U	33 VKM8 33 PLAN VKM8 33 LINE VKM8 33 VKM8 - U
Bottom middle	<b>X1</b> [mm]	D - 18	D + 25	D + 33	D + 33	D + 33	D + 33
Right bottom connection		D - 18	D + 25	D + 33	D + 33	D + 50	D + 50
	<b>X2</b> [mm]	D + 14	D + 57	D + 66	D + 66	D + 100	D + 155

	Type	10 VKM8 - L	11 VKM8 - L	20 VKM8 - L 20 VKM8 - U*	21 VKM8 - L 21 VKM8 - U*	22 VKM8 - L	22 VKM8 - U*	33 VKM8 - L	33 VKM8 - U*
Bottom middle	<b>X1</b> [mm]	D - 18	D + 25	D + 33	D + 33	D + 33	D + 67	D + 33	D + 122
Left bottom connection		D - 18	D + 25	D + 33	D + 33	D + 50	D + 50	D + 50	D + 105
	<b>X2</b> [mm]	D + 14	D + 57	D + 66	D + 66	D + 100	D + 100	D + 155	D + 155

Notice: \* VKM8-U connected with the valve on the left side.

Values **X2** related to the radiators in versions PLAN and LINE are by 2 mm larger.



## Quality of steel panel radiators RADIK

The high quality of radiators has been confirmed by acquiring the right to use the national quality marks for the European markets. This marks declares that the stipulated requirements on quality of material, technology, production process and tests of radiators RADIK are strictly followed.

The well-established quality management system according to ISO 9001 in combination with the national quality marks guarantees the highest degree in achieving a permanent quality of products and all activities of KORADO company on European as well as world-wide markets.

### • Quality management system according to ISO 9001:2015



### • Quality mark NF for the French market

- it is valid for the following range of the steel panel radiators RADIK.



### • Quality mark for the German market

- it has been granted for the following product range of the steel panel radiators RADIK.



## Steel panel radiators RADIK – safety and conformity with the European directives and standards

### • European standard EN 442 for radiators



• by using **CE mark** the producer confirms that the steel panel radiators RADIK are in conformity with the characteristics stated in the Declaration of Performance issued in conformity with the directive of EP and the Council (EU) No. 305/2011. This conformity was approved by the notified body No.1015, Strojirenský zkušební ústav, s.p. Brno.



Reg. number CERTITA	Model	Type
5541	RADIK VKM8	Type 10
5542	RADIK VKM8	Type 11
5543	RADIK VKM8	Type 20
5544	RADIK VKM8	Type 21
5545	RADIK VKM8	Type 22
5546	RADIK VKM8	Type 33

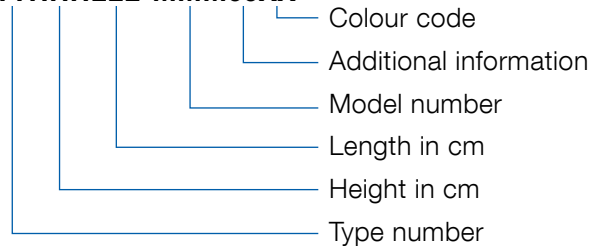
Reg. number GZ	Model	Type
0565	RADIK VKM8	Type 10
	RADIK VKM8 - L	
0566	RADIK VKM8	Type 11
	RADIK VKM8 - L	
0567	RADIK VKM8	Type 20
	RADIK VKM8 - L	
	RADIK VKM8 - U	
0568	RADIK VKM8	Type 21
	RADIK VKM8 - L	
	RADIK VKM8 - U	
0569	RADIK VKM8	Type 22
	RADIK VKM8 - L	
	RADIK VKM8 - U	
0570	RADIK VKM8	Type 33
	RADIK VKM8 - L	
	RADIK VKM8 - U	
0582	RADIK PLAN VKM8 RADIK LINE VKM8	Type 33
0583	RADIK PLAN VKM8	Type 11
	RADIK LINE VKM8	
0584	RADIK PLAN VKM8	Type 20
	RADIK LINE VKM8	
0585	RADIK PLAN VKM8	Type 21
	RADIK LINE VKM8	
0586	RADIK PLAN VKM8	Type 22
	RADIK LINE VKM8	

# DATA FOR PLACING ORDER

Steel panel radiators	Version	Model	Type	Code for ordering		
RADIK	VENTIL KOMPAKT	RADIK VKM8	10 VKM8	10HHHLLL-S0-0010		
			11 VKM8	11HHHLLL-S0-0010		
			20 VKM8	20HHHLLL-S0-0010		
			21 VKM8	21HHHLLL-S0-0010		
			22 VKM8	22HHHLLL-S0-0010		
			33 VKM8	33HHHLLL-S0-0010		
	VENTIL KOMPAKT	RADIK VKM8 - L	10 VKM8-L	10HHHLLL-T0-0010		
			11 VKM8-L	11HHHLLL-T0-0010		
			20 VKM8-L	20HHHLLL-T0-0010		
			21 VKM8-L	21HHHLLL-T0-0010		
			22 VKM8-L	22HHHLLL-T0-0010		
			33 VKM8-L	33HHHLLL-T0-0010		
	VENTIL KOMPAKT	RADIK VKM8 - U	20 VKM8-U	20HHHLLL-SU-0010		
			21 VKM8-U	21HHHLLL-SU-0010		
			22 VKM8-U	22HHHLLL-SU-0010		
			33 VKM8-U	33HHHLLL-SU-0010		
			PLAN	RADIK PLAN VKM8	11 PLAN VKM8	11HHHLLL-S0P0010
					20 PLAN VKM8	20HHHLLL-S0P0010
	21 PLAN VKM8	21HHHLLL-S0P0010				
	22 PLAN VKM8	22HHHLLL-S0P0010				
	33 PLAN VKM8	33HHHLLL-S0P0010				
LINE	RADIK LINE VKM8	11 LINE VKM8			11HHHLLL-S0L0010	
		20 LINE VKM8	20HHHLLL-S0L0010			
		21 LINE VKM8	21HHHLLL-S0L0010			
		22 LINE VKM8	22HHHLLL-S0L0010			
		33 LINE VKM8	33HHHLLL-S0L0010			

## Table for creation of a code

### TTHHHLLL-MMM00XX



## Example for creation of a code

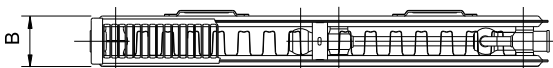
RADIK VKM8 steel panel radiator  
type 21, height H = 900 mm, length L = 1600 mm,  
colour white RAL 9016

**General structure** TTHHHLLL-MMM00XX

**Correct code** 21090160-S0-0010

Type	Number of panels	Number of convector plates
Type 10	1	0
Type 11	1	1
Type 20	2	0
Type 21	2	1
Type 22	2	2
Type 33	3	3

Type 21 VKM8



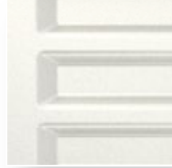
# COLOUR CARD

## SATIN GLOSS

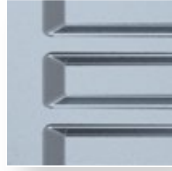
**code 10**  
White RAL 9016\*



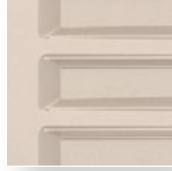
**code 14**  
Jasmine



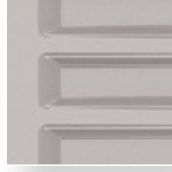
**code 35**  
Silber RAL 9006



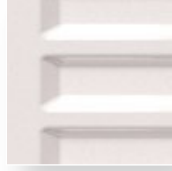
**code 16**  
Bahama



**code 22**  
Manhattan



**code 26**  
Pergamon



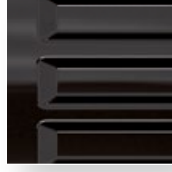
**code 32**  
Anthrazit Metallic



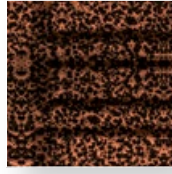
**code 37**  
Red RAL 3001



**code 39**  
Black RAL 9005



**code 45**  
Pearl Brown



## HIGH GLOSS

## MATTE

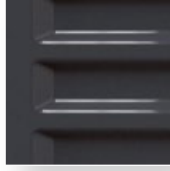
**code 47**  
RAL 9007



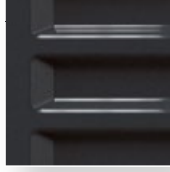
**code 48**  
RAL 9006



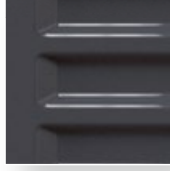
**code 49**  
RAL 7024



**code 51**  
RAL 7016



**code 54**  
RAL 7015



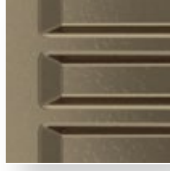
**code 57**  
RAL 7040



**code 40**  
Alloy Black



**code 42**  
Gold



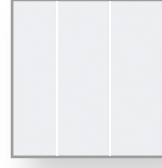
## DEEP MATTE

### PLAN SET / LINE SET - available versions of detachable front panels

The models RADIK can be complemented with a new front panel in the version PLAN or LINE in basic white RAL 9016. Front panels are available also in other colours from RAL colour range with an extra charge. For more information see please [www.korado.com](http://www.korado.com) or our technical brochure.



PLAN SET



LINE SET

### Notice:

The colour of the radiator may vary in comparison with the colour shown in the colour card.

The standard paint finish is RAL 9016, other colours from KORADO colour range with an extra charge 30 %. Radiators can be ordered also in other colours from RAL colour range with an extra charge 40 %.

# NOTES

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GUARANTEE



KORADO®



The quality marks are valid for the range listed on page 19.





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