



Quality.
Trustability.
Innovations.



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UTERM | EUROPEAN QUALITY AT UKRAINIAN PRICE



UTERM is the national leader and one of the biggest manufacturers of steel panel radiators that are up to the international standards. Our heating appliances successfully sell on the domestic market as well as in 18 countries, including the CIS, EU as well as in Great Britain, Canada and China.

Mission

Manufacturing of European quality radiators for domestic and foreign markets.

Values

A perfect partnership that guarantees an on-time delivery. The exceptional quality standard of UTERM. Manufacturing energy-efficient and easy-to-operate heating appliances.

Principles that are key to success

Offering our customers only tested and certified products made in compliance with manufacturing practices owing to quality control at every stage, testing and inspecting each radiator as well as using safe and environmentally friendly compounds for surface treatment and painting.

From distribution to manufacturing

Uterm, the would-be manufacturer, started out as a distributor of steel radiators. At that time, a market analysis showed a great potential for a domestic manufacturer that would offer products of the European quality at a Ukrainian price.

From idea to implementation in three years.

2010 - Foundation of the first plant in the city of Krasniy Luch (Luhansk region)

2016 - Manufacturing at a new site in the city of Chuhuiv (Kharkiv region) was launched with a daily metal processing capacity of 40 tons

2019 - Millionth radiator was completed

2020 - Manufacturing capacity has grown up to 1,200,000 radiators per year with a daily metal processing capacity of 100 tons. And sky is the limit!

Currently, the nomenclature includes 1,000+ different sizes of standard and customized radiators. The product mix and model range are expanding while new standard sizes are being added. UTERM makes progress- we introduce the latest technologies, are developing and conquer the world with quality.



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UTERM steel panel radiators are a technological product made in Ukraine with a quality label. They heat better - they save more.

All this owes to the unique solutions implemented at the manufacturing site.

Competent choice of raw materials and equipment

We chose high-quality raw materials from TM "Henkel" (Belgium) and "Kansai" (Japan) as well as the best European equipment by engineering leaders: BOSCH, SIEMENS, ABB and Schneider Electric.

The heart of the plant is the unique "LEAS" robotic lines (Italy) designed by partners specifically for UTERM.

Full manufacturing cycle

The technology includes 8 stages- metal stripping, stamping, welding, testing, surface treatment, priming, painting and packaging.

The whole process is automated as much as possible. It is calibrated like a Swiss watch: adjustment of manufacturing lines is carried out with a micron precision at each operation.

Attention to detail

- Welding is performed on LEAS high-tech lines that eliminate the slightest percentage of rupture of radiators at the joints.
- Metal is processed with the use of the Bonderite M-NT innovative technology by "Henkel". Thanks to it, a thin high-density nanoceramic layer is formed on the surface.
- Environmentally friendly Kansai compositions on a water basis are used for priming. They eliminate the evaporation of harmful substances when the radiator is heated.
- Paint coatings of the highest durability and quality are provided by TM AKZONOBEL powder paint (Netherlands).
- Quality management system in accordance with the requirements of ISO 9001 helps to improve products and demonstrate consistent quality, constantly improving manufacturing technologies.





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Quality is UTERM Ukraine's highest value

The European Union has strict technological, environmental and operational standards for pressure systems. To ensure that our products comply with these standards, the UTERM plant has implemented a strict quality control system based on ISO 9001 standards.

All UTERM radiators are insured by a product liability agreement, certified and comply with the following international standards:

- EN 442-1:2014 (Europe)
- DSTU B V.2.5-3-95 (Ukraine)
- GOST 31311-2005 (RF)

This is confirmed by CE marking and DIN-Gepruft certification mark. Steel radiators have also received the following certificates:

- DinCertco (Germany) for compliance with DIN EN 442
- Conclusion of the state sanitary-and-epidemiological expertise of the State Service of Ukraine for Food Safety and Consumer Protection
- Certificate of conformity of the State Certification System of the Ministry of Economic Development and Trade of Ukraine
- Certificate of conformity of the GOST R Certification System of the Federal Agency on Technical Regulation and Metrology (RF)
- Technical certificate of suitability of materials and products for use in construction issued by the Ministry of Architecture and Construction of the Republic of Belarus



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UTERM Ukraine extends warranty up to 10 years

Continuous improvement of the manufacturing process and high quality of our products made it possible to extend the warranty period for steel radiators up to 10 years.

Rigorous testing – a good reason to trust the warranty obligations

We regularly use independent laboratories in Austria, the Czech Republic, Turkey, Poland and Germany to test our UTERM products and subject our radiators to rigorous salt spray tests.

After 240 hours in a special chamber at a pressure of 13 atmospheres, a heating appliance "gets older" by 10 years. Moreover, UTERM radiators, regardless of the line, can withstand 500 hours of rigorous operation. This is a double safety margin and proof of real quality control at every stage of manufacturing.

In fact, radiators show trouble-free operation with an efficiency factor of up to 75% not only during the warranty period, but also during their entire service life, which is from 15 up to 20 years.

Save money with UTERM, enjoy warmth and comfort both at home and in the office!



Guaranteed service life of radiators is up to 10 years



Innovative aerodynamic grille increases convection by 4% and thermal efficiency by 2%



The water base of the paint eliminates the possibility of evaporation of harmful substances when a radiator heats up



High efficiency factor – up to 75%



Modern European equipment, ISO 9001:2015 quality management system



The radiators comply with the main EU directives



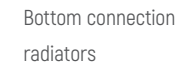
The radiators comply with the norms and parameters of EN442 –the uniform standard of EU countries



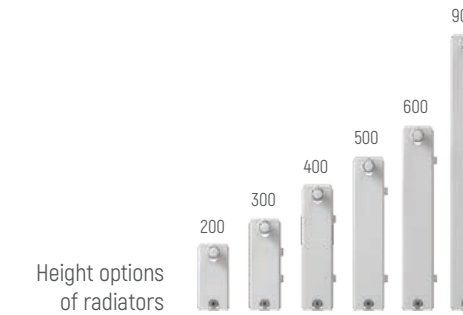
DIN – German Institute for Standardization. UTERM radiators meet the requirements of DIN GEPRÜFT.



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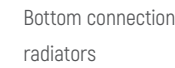
Ultra-compact, aesthetic and durable radiator of Type 11 is indispensable in premises with very narrow windowsills, small niches or with non-standard design solutions.



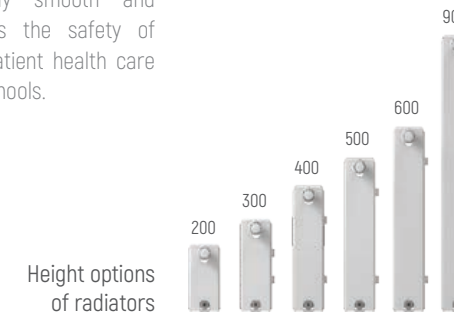
Typ	Height, mm	Center distance	Volume of water, l/m	N indicator	Temperature indicators, C	Power, [W] with respect to length [m]																													
						400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000			
11	200	149	1,1	1,27	55/45/20	66	82	98	115	131	148	164	180	197	213	229	246	262	279	295	311	328	344	361	377	393	410	426	443	459	475	492			
					75/65/20	126	158	190	221	253	284	316	348	379	411	442	474	506	537	569	600	632	664	695	727	758	790	822	853	885	916	948			
					95/85/20	194	243	291	340	388	437	485	534	583	631	680	728	777	825	874	922	971	1020	1068	1117	1165	1214	1262	1311	1359	1408	1456			
	300	249	1,7	1,27	55/45/20	100	125	150	175	200	225	250	275	300	324	349	374	399	424	449	474	499	524	549	574	599	624	649	674	699	724	749			
					75/65/20	192	241	289	337	385	433	481	529	577	626	674	722	770	818	866	914	962	1010	1059	1107	1155	1203	1251	1299	1347	1395	1443			
					95/85/20	296	370	444	517	591	665	739	813	887	961	1035	1109	1183	1257	1331	1405	1478	1552	1626	1700	1774	1848	1922	1996	2070	2144	2218			
	400	349	2,2	1,3	55/45/20	145	182	218	254	291	327	363	399	436	472	508	545	581	617	654	690	726	763	799	835	872	908	944	980	1017	1053	1089			
					75/65/20	288	360	432	504	576	648	720	792	864	936	1008	1080	1151	1223	1295	1367	1439	1511	1583	1655	1727	1799	1871	1943	2015	2087	2159			
					95/85/20	441	552	662	772	883	993	1103	1214	1324	1435	1545	1655	1766	1876	1986	2097	2207	2317	2428	2538	2648	2759	2869	2979	3090	3200	3310			
	500	449	2,7	1,27	55/45/20	156	196	235	274	313	352	391	430	469	508	548	587	626	665	704	743	782	821	860	900	939	978	1017	1056	1095	1134	1173			
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	600	549	3,1	1,29	55/45/20	174	218	261	305	348	392	435	479	522	566	609	653	697	740	784	827	871	914	958	1001	1045	1088	1132	1175	1219	1263	1306			
					75/65/20	339	424	509	594	678	763	848	933	1018	1102	1187	1272	1357	1442	1526	1611	1696	1781	1866	1950	2035	2120	2205	2290	2374	2459	2544			
					95/85/20	525	656	787	918	1049	1180	1312	1443	1574	1705	1836	1967	2099	2230	2361	2492	2623	2754	2886	3017	3148	3279	3410	3541	3673	3804	3935			
	900	849	4,7	1,32	55/45/20	288	360	432	504	575	647	719	791	863	935	1007	1079	1151	1223	1295	1367	1439	1511	1582	1654	1726	1798	1870	1942	2014	2086	2158			
					75/65/20	569	711	854	996	1138	1281	1423	1565	1708	1850	1992	2134	2277	2419	2561	2704	2846	2988	3131	3273	3415	3557	3700	3842	3984	4127	4269			
					95/85/20	889	1112	1334	1556	1779	2001	2223	2446	2668	2891	3113	3335	3558	3780	4002	4225	4447	4669	4892	5114	5336	5559	5781	6003	6226	6448	6670			

- 10 years warranty

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The glossy, perfectly smooth and snow-white surface emphasizes the safety of UTERM radiators for use in in-patient health care institutions, kindergartens and schools.



TYP	Height, mm	Center distance	Volume of water, l/m	N indicator	Temperature indicators, C	Power, (W) with respect to length (m)																													
						400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000			
20	200	149	2,3	1,28	55/45/20	66	82	98	115	131	148	164	180	197	213	229	246	262	279	295	311	328	344	361	377	393	410	426	443	459	475	492			
					75/65/20	126	158	190	221	253	284	316	348	379	411	442	474	506	537	569	600	632	664	695	727	758	790	822	853	885	916	948			
					95/85/20	194	243	291	340	388	437	485	534	583	631	680	728	777	825	874	922	971	1020	1068	1117	1165	1214	1262	1311	1359	1408	1456			
	300	249	3,4	1,28	55/45/20	100	125	150	175	200	225	250	275	300	324	349	374	399	424	449	474	499	524	549	574	599	624	649	674	699	724	749			
					75/65/20	192	241	289	337	385	433	481	529	577	626	674	722	770	818	866	914	962	1010	1059	1107	1155	1203	1251	1299	1347	1395	1443			
					95/85/20	296	370	444	517	591	665	739	813	887	961	1035	1109	1183	1257	1331	1405	1478	1552	1626	1700	1774	1848	1922	1996	2070	2144	2218			
	400	349	4,3	1,29	55/45/20	145	182	218	254	291	327	363	399	436	472	508	545	581	617	654	690	726	763	799	835	872	908	944	980	1017	1053	1089			
					75/65/20	288	360	432	504	576	648	720	792	864	936	1008	1080	1151	1223	1295	1367	1439	1511	1583	1655	1727	1799	1871	1943	2015	2087	2159			
					95/85/20	441	552	662	772	883	993	1103	1214	1324	1435	1545	1655	1766	1876	1986	2097	2207	2317	2428	2538	2648	2758	2869	2979	3090	3200	3310	3420		
	500	449	5,3	1,29	55/45/20	156	196	235	274	313	352	391	430	469	508	548	587	626	665	704	743	782	821	860	900	939	978	1017	1056	1095	1134	1173			
					75/65/20	302	377	452	528	603	679	754	829	905	980	1056	1131	1206	1282	1357	1433	1508	1583	1659	1734	1810	1885	1960	2036	2111	2187	2262			
					95/85/20	463	579	695	811	927	1043	1158	1274	1390	1506	1622	1738	1853	1969	2085	2201	2317	2433	2548	2664	2780	2896	3012	3128	3244	3359	3475			
	600	549	6,5	1,29	55/45/20	174	218	261	305	348	392	435	479	522	566	609	653	697	740	784	827	871	914	958	1001	1045	1088	1132	1175	1219	1263	1306			
					75/65/20	339	424	509	594	678	763	848	933	1018	1102	1187	1272	1357	1442	1526	1611	1696	1781	1866	1950	2035	2120	2205	2290	2374	2459	2544			
					95/85/20	525	656	787	918	1049	1180	1312	1443	1574	1705	1836	1967	2099	2230	2361	2492	2623	2754	2886	3017	3148	3279	3410	3541	3673	3804	3935			
	900	849	9,8	1,3	55/45/20	288	360	432	504	575	647	719	791	863	935	1007	1079	1151	1223	1295	1367	1439	1511	1582	1654	1726	1798	1870	1942	2014	2086	2158			
					75/65/20	569	711	854	996	1138	1281	1423	1565	1708	1850	1992	2134	2277	2419	2561	2704	2846	2988	3131	3273	3415	3557	3700	3842	3984	4127	4269			
					95/85/20	889	1112	1334	1556	1779	2001	2223	2446	2668	2891	3113	3335	3558	3780	4002	4225	4447	4669	4892	5114	5336	5559	5781	6003	6226	6448	6670			

- 10 years warranty

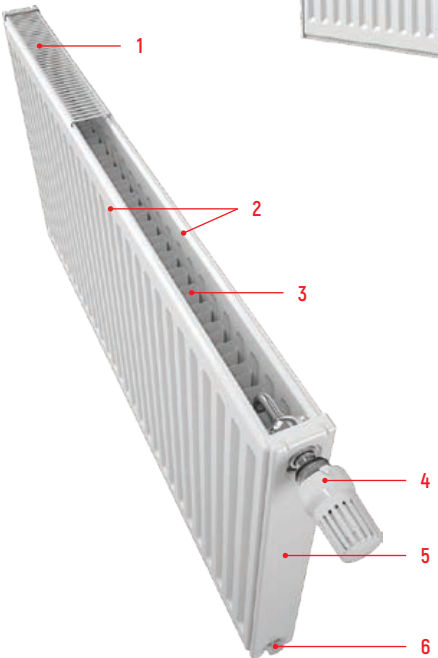


TYP 21 | STEEL PANEL RADIATORS



Side connection radiators

Bottom connection radiators



- 1 - decorative grille
- 2 - radiator panel
- 3 - convector grille
- 4 - thermostatic valve
- 5 - side panel
- 6 - plug

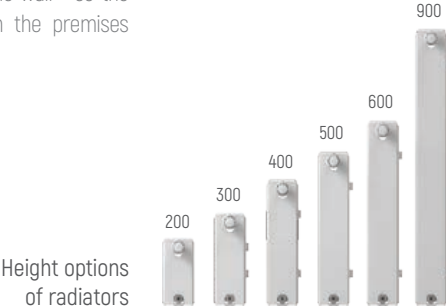
UTERM's Type 21 steel panel radiators are used for mounting under narrow windowsills, in niches and other places where a heating appliance has to be compact and invisible. This design allows the model to achieve high energy efficiency

UTERM line covers Type 21 radiators of all sizes. The depth of appliances is only 69.5 mm. These radiators are the optimal solution for complex tasks of setting up a neat and invisible heating system.

In terms of design, Type 21 radiator consists of two welded panels and one convector ribbing. The thermal efficiency coefficient of the appliance at an average temperature of the heat medium is 1.28-1.31. This ensures an economical and efficient heating system.

The variability of sizes makes it possible to heat large premises with compact and aesthetically pleasing UTERM radiators. To this end, simply make a heat calculation and select the sizes suitable in length and height.

For maximum efficiency, it is recommended to mount the radiator 2-3 cm from the wall - so the warm air can spread freely through the premises without loss of temperature.



TYP	Height, mm	Center distance	Volume of water, l/m	N indicator	Temperature indicators, C	Power, (W) with respect to length (m)																													
						400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000			
21s	200	149	2,3	1,33	55/45/20	116	145	174	203	232	261	290	319	348	377	406	435	464	493	522	551	580	609	638	667	696	725	754	783	812	841	870			
					75/65/20	231	288	346	404	462	519	577	635	692	750	808	865	923	981	1039	1096	1154	1212	1269	1327	1385	1442	1500	1558	1616	1673	1731			
					95/85/20	362	452	543	633	724	814	905	995	1086	1176	1266	1357	1447	1538	1628	1719	1809	1900	1990	2081	2171	2262	2352	2443	2533	2623	2714			
	300	249	3,4	1,31	55/45/20	143	179	214	250	286	322	357	393	429	465	500	536	572	608	643	679	715	751	786	822	858	894	929	965	1001	1037	1072			
					75/65/20	281	351	422	492	562	633	703	773	844	914	984	1054	1125	1195	1265	1336	1406	1476	1547	1617	1687	1757	1828	1898	1968	2039	2109			
					95/85/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1641	1751	1860	1970	2079	2189	2298	2407	2517	2626	2736	2845	2955	3064	3174	3283			
	400	349	4,3	1,29	55/45/20	198	247	297	346	396	445	494	544	593	643	692	742	791	840	890	939	989	1038	1088	1137	1187	1236	1285	1335	1384	1434	1483			
					75/65/20	390	487	585	682	780	877	975	1072	1170	1267	1365	1462	1559	1657	1754	1852	1949	2047	2144	2242	2339	2437	2534	2632	2729	2826	2924			
					95/85/20	596	745	894	1043	1192	1341	1490	1638	1787	1936	2085	2234	2383	2532	2681	2830	2979	3128	3277	3426	3575	3724	3873	4022	4171	4320	4469			
	500	449	5,3	1,31	55/45/20	223	278	334	390	445	501	557	612	668	724	779	835	891	946	1002	1058	1113	1169	1225	1280	1336	1392	1447	1503	1559	1614	1670			
					75/65/20	438	547	656	766	875	985	1094	1203	1313	1422	1532	1641	1750	1860	1969	2079	2188	2297	2407	2516	2626	2735	2844	2954	3063	3173	3282			
					95/85/20	681	851	1021	1191	1362	1532	1702	1872	2042	2213	2383	2553	2723	2893	3064	3234	3404	3574	3744	3915	4085	4255	4425	4595	4766	4936	5106			
	600	549	6,5	1,33	55/45/20	256	320	384	448	512	576	640	704	768	832	896	960	1024	1088	1152	1216	1280	1344	1408	1472	1536	1600	1663	1727	1791	1855	1919			
					75/65/20	510	637	764	892	1019	1147	1274	1401	1529	1656	1784	1911	2038	2166	2293	2421	2548	2675	2803	2930	3058	3185	3312	3440	3567	3695	3822			
					95/85/20	800	1000	1200	1399	1599	1799	1999	2199	2399	2599	2799	2999	3199	3399	3599	3798	3998	4198	4398	4598	4798	4998	5198	5398	5598	5798	5998			
	900	849	9,8	1,34	55/45/20	372	465	558	651	744	837	931	1024	1117	1210	1303	1396	1489	1582	1675	1768	1861	1954	2047	2140	2233	2326	2419	2512	2605	2699	2792			
					75/65/20	744	930	1116	1302	1488	1674	1860	2046	2232	2418	2604	2790	2976	3162	3348	3534	3720	3906	4092	4278	4464	4650	4836	5022	5208	5394	5580			
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* Standard RAL 9016
** any RAL colors are available to order

- Depth - 69,5 mm
- Operating pressure 10 ATM
- Maximum heat-transfer medium temperature 110°C
- 10 years warranty



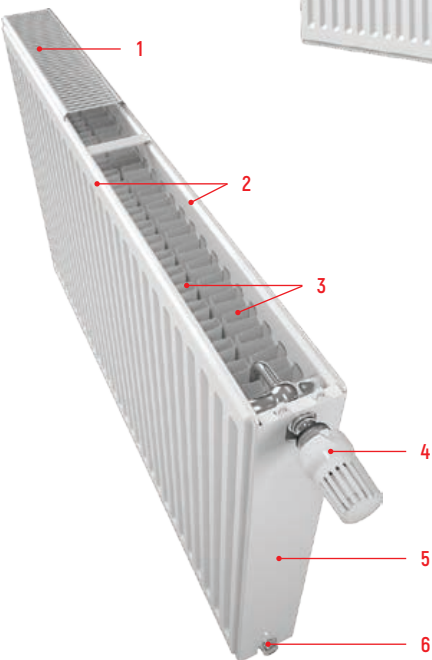


TYP 22 | STEEL PANEL RADIATORS



Side connection radiators

Bottom connection radiators



- 1 - decorative grille
- 2 - radiator panel
- 3 - convector grille
- 4 - thermostatic valve
- 5 - side panel
- 6 - plug

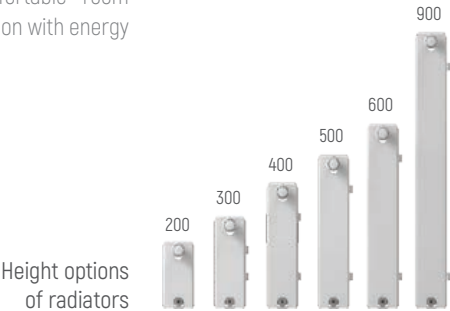
UTERM's Type 22 steel panel radiators are one of the most popular UTERM products. The heating appliances are compact, highly energy efficient and easy to mount.

UTERM Type 22 line covers all sizes. The depth is 102 mm, which makes it possible to mount the heating appliances with almost no restrictions on placement.

In terms of design, Type 22 radiators consist of two welded panels with the heat- medium circulating inside. Additional heat radiation is conducted by a pair of convectors. Thermal efficiency coefficient is 1.29-1.31 at an average temperature of the heat medium.

The steel radiators are distinguished by quick heating of premises once the heating system is turned on. In addition, even in building-level systems, the heat-transfer medium supply level can be adjusted or the heating appliance can completely be disconnected from the network. from the network are provided.

For this purpose, a special valve through which a user can adjust the heat supply is installed. Thus, a comfortable room temperature is achieved in combination with energy efficiency and cost-effectiveness.



TYP	Height, mm	Center distance	Volume of water, l/m	N indicator	Temperature indicators, C	Power, [W] with respect to length [m]																													
						400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000			
22	200	149	2,3	1,31	55/45/20	157	197	236	275	315	354	393	433	472	511	551	590	629	669	708	747	787	826	865	905	944	983	1023	1062	1101	1140	1180			
					75/65/20	310	387	464	542	619	697	774	851	929	1006	1084	1161	1238	1316	1393	1471	1548	1625	1703	1780	1858	1935	2012	2090	2167	2245	2322			
					95/85/20	482	603	723	844	964	1085	1205	1326	1446	1567	1687	1808	1929	2049	2170	2290	2411	2531	2652	2772	2893	3013	3134	3254	3375	3495	3616			
	300	249	3,4	1,3	55/45/20	183	228	274	320	365	411	457	503	548	594	640	685	731	777	822	868	914	959	1005	1051	1096	1142	1188	1234	1279	1325	1371			
					75/65/20	358	447	537	626	716	805	895	984	1073	1163	1252	1342	1431	1521	1610	1700	1789	1878	1968	2057	2147	2236	2326	2415	2505	2594	2684			
					95/85/20	555	694	833	972	1111	1249	1388	1527	1666	1805	1944	2082	2221	2360	2499	2638	2777	2915	3054	3193	3332	3471	3610	3748	3887	4026	4165			
	400	349	4,3	1,29	55/45/20	247	309	370	432	494	555	617	679	741	802	864	926	988	1049	1111	1173	1234	1296	1358	1420	1481	1543	1605	1666	1728	1790	1852			
					75/65/20	494	618	742	865	989	1113	1236	1360	1483	1607	1731	1854	1978	2101	2225	2349	2472	2596	2719	2843	2967	3090	3214	3338	3461	3585	3708			
					95/85/20	763	954	1145	1336	1526	1717	1908	2099	2289	2480	2671	2862	3053	3243	3434	3625	3816	4007	4197	4388	4579	4770	4960	5151	5342	5533	5724			
	500	449	5,3	1,31	55/45/20	295	369	443	516	590	664	738	812	885	959	1033	1107	1180	1254	1328	1402	1475	1549	1623	1697	1771	1844	1918	1992	2066	2139	2213			
					75/65/20	581	726	871	1016	1162	1307	1452	1597	1742	1888	2033	2178	2323	2468	2613	2759	2904	3049	3194	3339	3485	3630	3775	3920	4065	4211	4356			
					95/85/20	904	1131	1357	1583	1809	2035	2261	2487	2713	2939	3165	3392	3618	3844	4070	4296	4522	4748	4974	5200	5427	5653	5879	6105	6331	6557	6783			
	600	549	6,5	1,3	55/45/20	335	419	503	587	670	754	838	922	1006	1090	1173	1257	1341	1425	1509	1592	1676	1760	1844	1928	2011	2095	2179	2263	2347	2431	2514			
					75/65/20	656	821	985	1149	1313	1477	1641	1805	1969	2133	2297	2462	2626	2790	2954	3118	3282	3446	3610	3774	3938	4103	4267	4431	4595	4759	4923			
					95/85/20	1019	1273	1528	1783	2037	2292	2547	2802	3056	3311	3566	3820	4075	4330	4584	4839	5094	5348	5603	5858	6112	6367	6622	6877	7131	7386	7641			
	900	849	9,8	1,36	55/45/20	473	591	710	828	946	1065	1183	1301	1419	1538	1656	1774	1893	2011	2129	2247	2366	2484	2602	2721	2839	2957	3076	3194	3312	3430	3549			
					75/65/20	956	1194	1433	1672	1911	2150	2389	2628	2867	3106	3345	3583	3822	4061	4300	4539	4778	5017	5256	5495	5734	5972	6211	6450	6689	6928	7167			
					95/85/20	1513	1892	2270	2649	3027	3405	3784	4162	4540	4919	5297	5676	6054	6432	6811	7189	7567	7946	8324	8703	9081	9459	9838	10216	10594	10973	11351			

* Standard RAL 9016

** any RAL colors are available to order

• Głębokość - 102 mm

• Operating pressure 10 ATM

• Maximum heat-transfer medium temperature 110°C

• 10 years warranty





CONNECTION OPTIONS

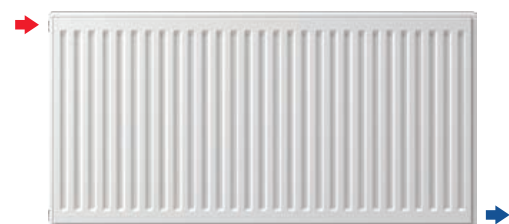
It is possible to connect a radiator with the side connection to a system in one of the following three basic methods:

1. The diagonal connection is most preferable because it allows getting the maximum thermal efficiency over the whole area of the product. With this type of connection, the heat medium is fed into the upper inlet of the radiator on one side and discharged via the outlet at the bottom on the other side. The diagonal connection is the best option.
2. Side-connection radiators with the one-sided connection where both the inlet and outlet are on the same side is the most common option for apartments. This connection option is almost as good as the diagonal one efficiency wise while allowing decreasing the visible number of pipes, which positively affects the aesthetic appearance of the premises.
3. Side-bottom (or saddle-type) connection is used in cases where it is impossible to hide the pipes behind a trunking wall or in a wall chase, and they are to be hidden under the floor covering.

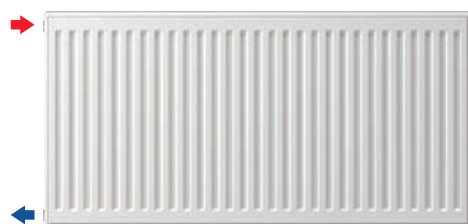
It is possible to connect a radiator with the bottom connection to a system in one of the following three basic methods:

1. One-side connection option. Hot heat medium circulates in the upper part of the radiator, and the pipe for discharge of cooled water is at the bottom.
2. Double-sided (saddle-type, side) connection option. This option is ideal for use in detached homes. The advantage of this option is the ability to feed the heat medium in either direction: from bottom to top or from top to bottom.
3. Double-sided diagonal connection scheme. The inlet pipe comes to the radiator from the bottom, the discharge pipe comes out to the side from the bottom opposite corner.

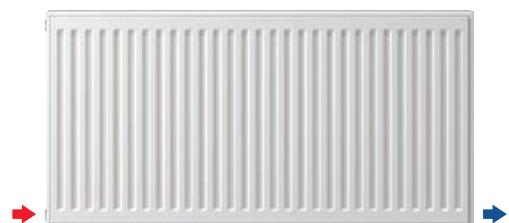
Side connection 1



Side connection 2



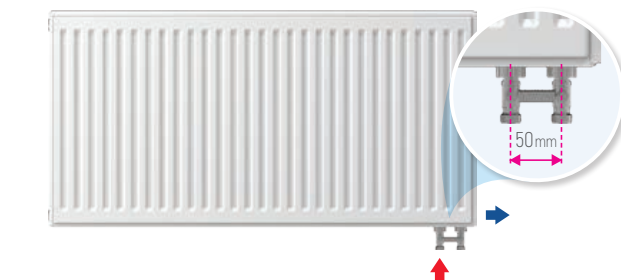
Side connection 3



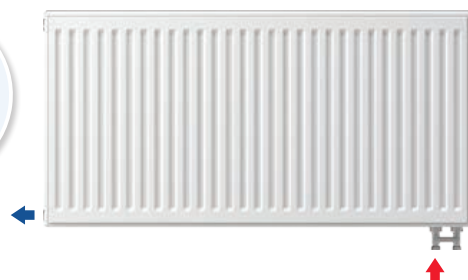
Bottom connection 1



Bottom connection 2



Bottom connection 3

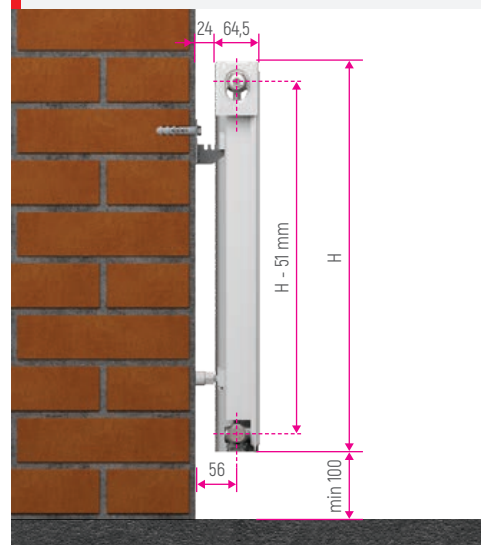


STEEL PANEL RADIATORS

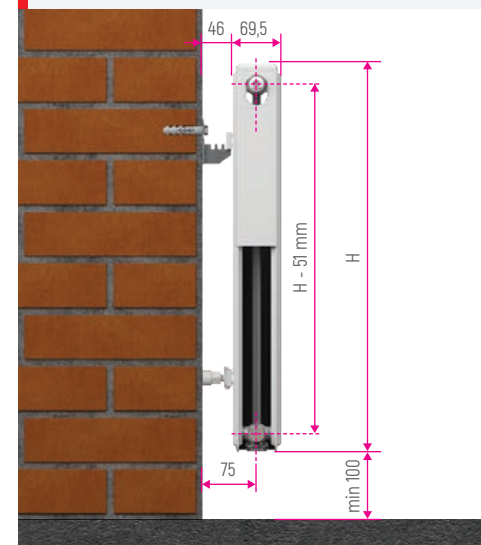


RADIATORS MOUNTING

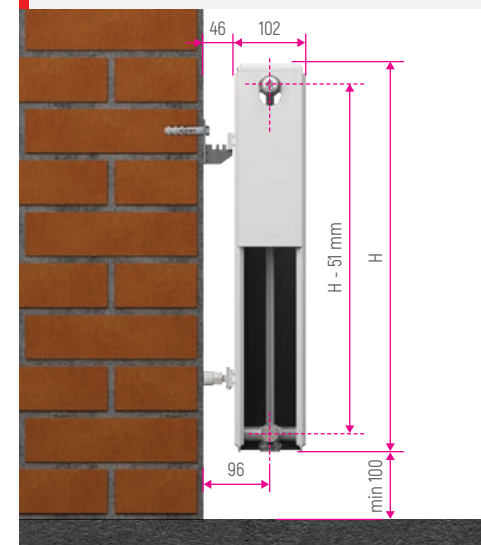
TYP 11



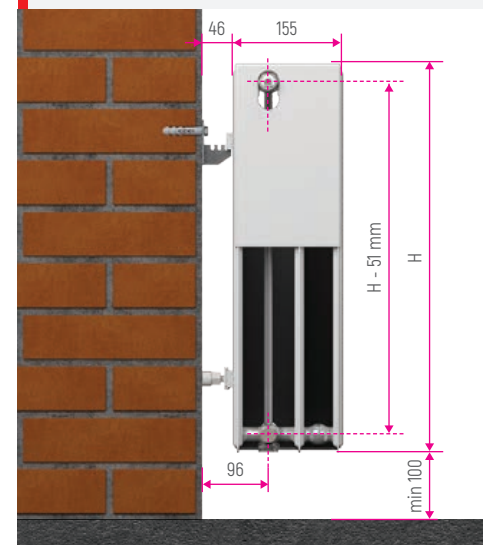
TYP 21s



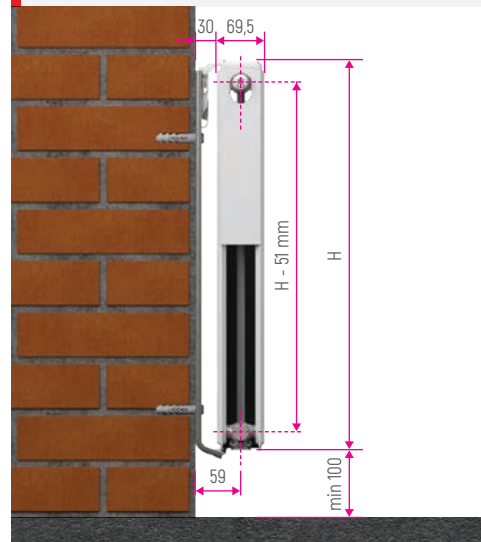
TYP 20, 22



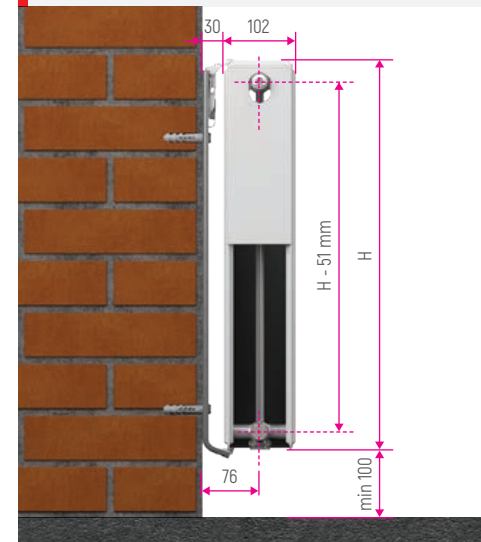
TYP 30, 33



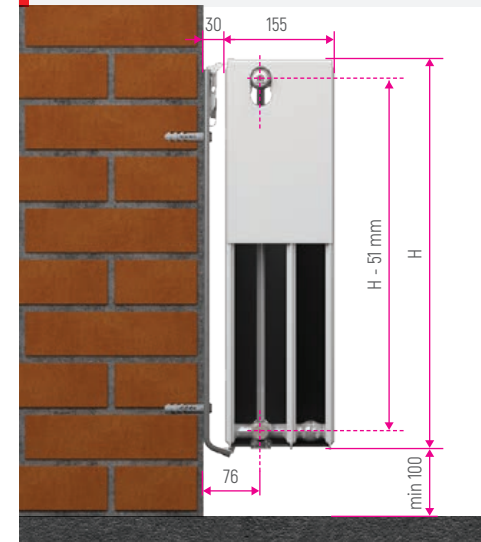
TYP 21s



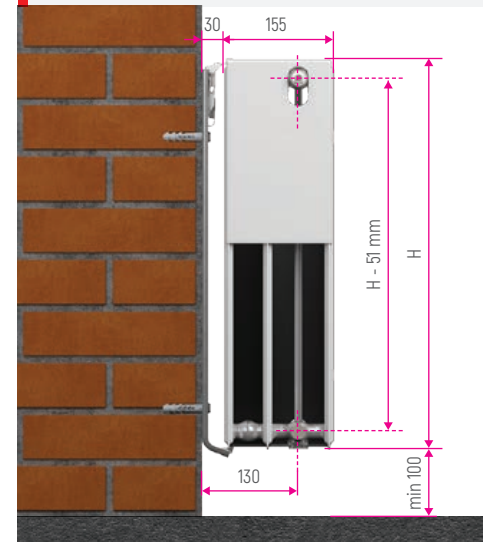
TYP 20, 22



TYP 30, 33



TYP 30, 33

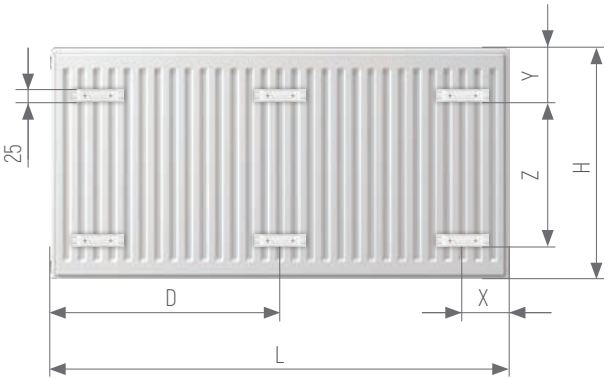


Middle clip position TYPE 10, 21, 22, 30, 33

- for even radiator lengths: $D=L/2$ where L is the length of radiator.
- for odd radiator lengths: $D=L/2-16,67$ where L is the length of radiator.

Middle clip position TYPE 11:

- for even radiator lengths: $D=L/2-16,67$ where L is the length of radiator.
- for odd radiator lengths: $D=L/2$ where L is the length of radiator.



	TYP 10, 20, 21, 22, 30, 33			TYP 11		
Height, mm	X	Y	Z	X	Y	Z
300	100	120	85	117	120	85
400	100	120	185	117	120	185
500	100	120	285	117	120	285
600	100	120	385	117	120	385
900	100	120	685	117	120	685

L	BRACKETS
400 mm - 1500 mm	4
1600 mm - 3000 mm	6

Side connection 400-1500 № 1



Side connection 400-1500 № 2



Side connection 400-1500 № 3



Side connection 1600-3000 № 1.2



Side connection 1600-3000 № 2.2



Side connection 1600-3000 № 3.2



Bottom connection 400-1500 № 1



Bottom connection 400-1500 № 2



Bottom connection 400-1500 № 3



Bottom connection 1600-3000 № 1.2



Bottom connection 1600-3000 № 2.2



Bottom connection 1600-3000 № 3.2



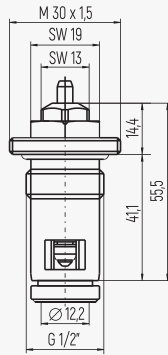
FLOOR MOUNTINGS



THERMAL VALVE



Manufacturer:	Oventrop (Germany)
Manufacturer's designation:	1018083
Maximum heat medium temperature	120c
Threaded connection for temperature control	M 30x1,5
Number of settings	6





UTERM introduces a new interior solution to the radiator market. Now you can choose any color of radiator.

All colors from the RAL range of colors are available to order.

