



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 Krasnyi 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.



UTERM | QUALITY. TRUSTABILITY. INNOVATIONS.

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

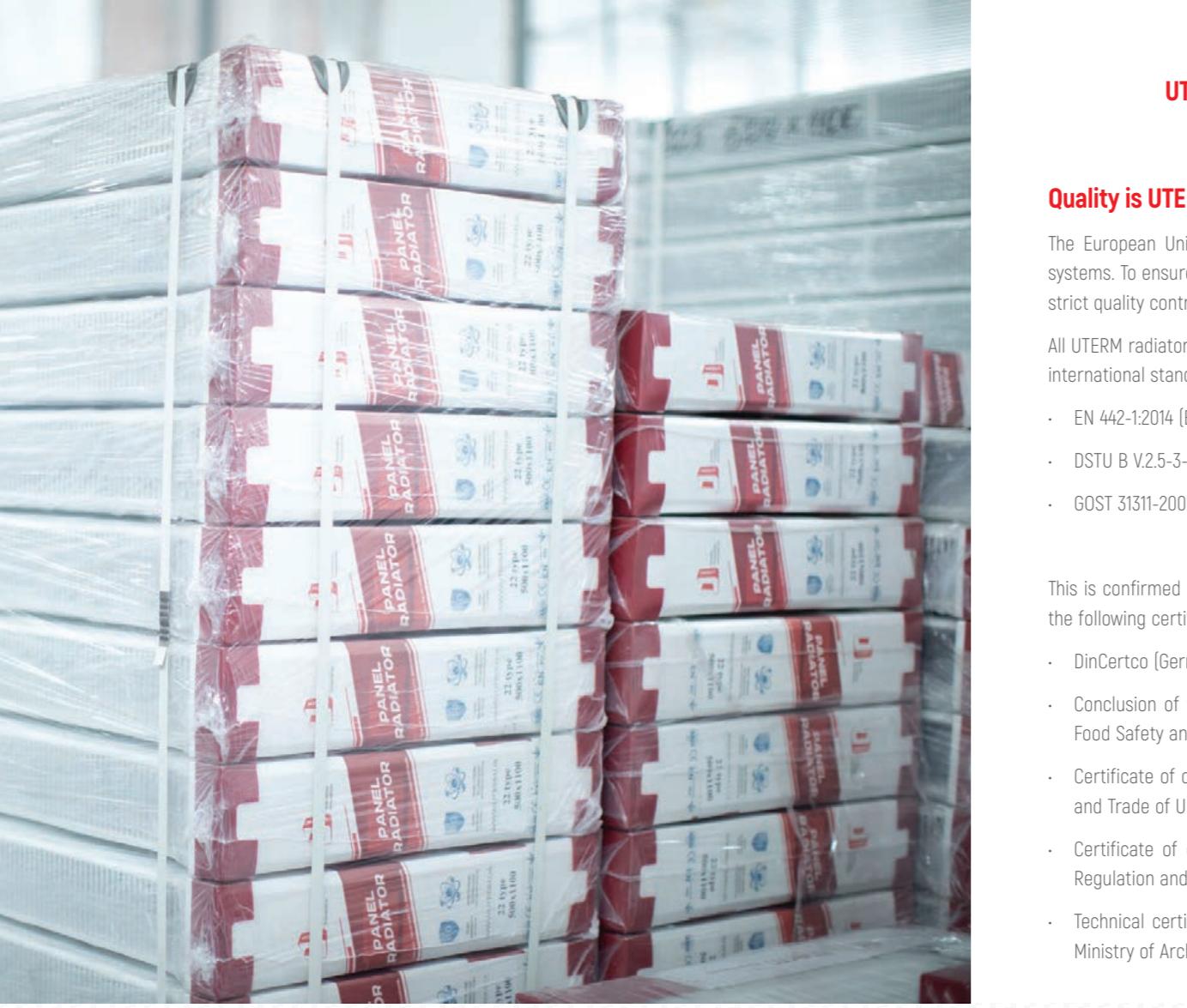
The technology includes 8 stages- metal stripping, stamping, welding, testing, surface treatment, priming, painting and packaging.

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.





Guaranteed service life of radiators is up to 10 years



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

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

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

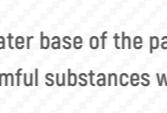
We regularly use independent laboratories in Austria, the Czech Republic, Turkey, Poland and Germany to test our UTERM products and subject our radiators to rigorous salt spray tests.



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!



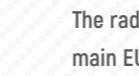
The water base of the paint eliminates the possibility of evaporation of harmful substances when a radiator heats up



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.



TYP 10 | STEEL PANEL RADIATORS



Side connection radiators



Bottom connection radiators



Height options
of radiators



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
10	200	149	1,1	1,34	55/45/20	52	65	78	91	104	118	131	144	157	170	183	196	209	222	235	248	261	274	287	300	313	326	339	353	366	379	392
					75/65/20	104	130	157	183	209	235	261	287	313	339	365	391	418	444	470	496	522	548	574	600	626	652	679	705	731	757	783
					95/85/20	164	205	246	287	328	370	411	452	493	534	575	616	657	698	739	780	821	862	903	944	985	1026	1068	1109	1150	1191	1232
	300	249	1,7	1,34	55/45/20	68	85	102	119	136	154	171	188	205	222	239	256	273	290	307	324	341	358	375	392	409	426	444	461	478	495	512
					75/65/20	136	170	205	239	273	307	341	375	409	443	477	511	546	580	614	648	682	716	750	784	818	852	887	921	955	989	1023
					95/85/20	215	268	322	376	429	483	536	590	644	697	751	805	858	912	966	1019	1073	1127	1180	1234	1287	1341	1395	1448	1502	1556	1609
	400	349	2,2	1,34	55/45/20	87	109	131	152	174	196	218	239	261	283	305	326	348	370	392	413	435	457	479	501	522	544	566	588	609	631	653
					75/65/20	174	217	261	304	348	391	435	478	522	565	609	652	696	739	783	826	870	913	957	1000	1044	1087	1131	1174	1218	1261	1305
					95/85/20	274	342	411	479	547	616	684	753	821	890	958	1026	1095	1163	1232	1300	1369	1437	1505	1574	1642	1711	1779	1848	1916	1985	2053
10	500	449	2,7	1,31	55/45/20	110	137	165	192	220	247	275	302	330	357	385	412	440	467	495	522	550	577	605	632	660	687	715	742	770	797	825
					75/65/20	216	270	325	379	433	487	541	595	649	703	757	811	866	920	974	1028	1082	1136	1190	1244	1298	1352	1407	1461	1515	1569	1623
					95/85/20	337	421	505	590	674	758	842	927	1011	1095	1179	1264	1348	1432	1516	1601	1685	1769	1853	1938	2022	2106	2190	2275	2359	2443	2527
	600	549	3,1	1,31	55/45/20	129	161	194	226	258	290	323	355	387	419	452	484	516	548	581	613	645	678	710	742	774	807	839	871	903	936	968
					75/65/20	254	317	381	444	508	571	635	698	762	825	889	952	1016	1079	1143	1206	1270	1333	1397	1460	1524	1587	1651	1714	1778	1841	1905
	900	849	4,7	1,3	55/45/20	183	229	275	321	367	413	459	505	550	596	642	688	734	780	826	871	917	963	1009	1055	1101	1147	1192	1238	1284	1330	1376
					75/65/20	359	449	539	629	718	808	898	1078	1167	1257	1347	1437	1527	1616	1706	1796	1886	1976	2065	2155	2245	2335	2425	2514	2604	2694	
	95/85/20	849	4,7	1,3	55/45/20	557	697	836	976	1115	1254	1394	1533	1672	1812	1951	2091	2230	2369	2509	2648	2787	2927	3066	3206	3345	3484	3624	3763	3902	4042	4181

* Standard RAL 9016

• Depth - 64.5 mm

• Maximum heat-transfer medium temperature 110°C

** any RAL colors are available to order

• Operating pressure 10 ATM

• 10 years warranty





WARRANTY **INNOVATION** **MATERIALS** **EFFICIENCY** **ISO 9001:2015** **CERTIFICATION** **EN 442** **DIN Geprüft** **CE**

TYP 11 | STEEL PANEL RADIATORS



Side connection radiators



Bottom connection radiators

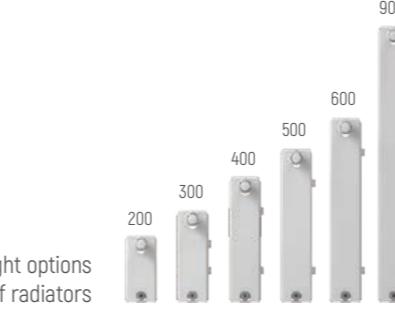


UTERM's Type 11 steel panel radiators are ultra-compact heating appliances. Their variability in height and sizes helps to resolve complex engineering issues while setting up or re-building heating networks.

It is an ideal option for premises where every square centimeter of space is of value or where a heating system is only felt thanks to a comfortable temperature during the cold season. By eye, radiators are almost invisible.

In terms of design, Type 11 radiator consists of a welded panel and a convective ribbing that allows for high thermal efficiency with minimal dimensions. With the average temperature of the heat medium the coefficient is 1.27-1.29 depending on the height. The depth of the radiator is only 64.5 mm.

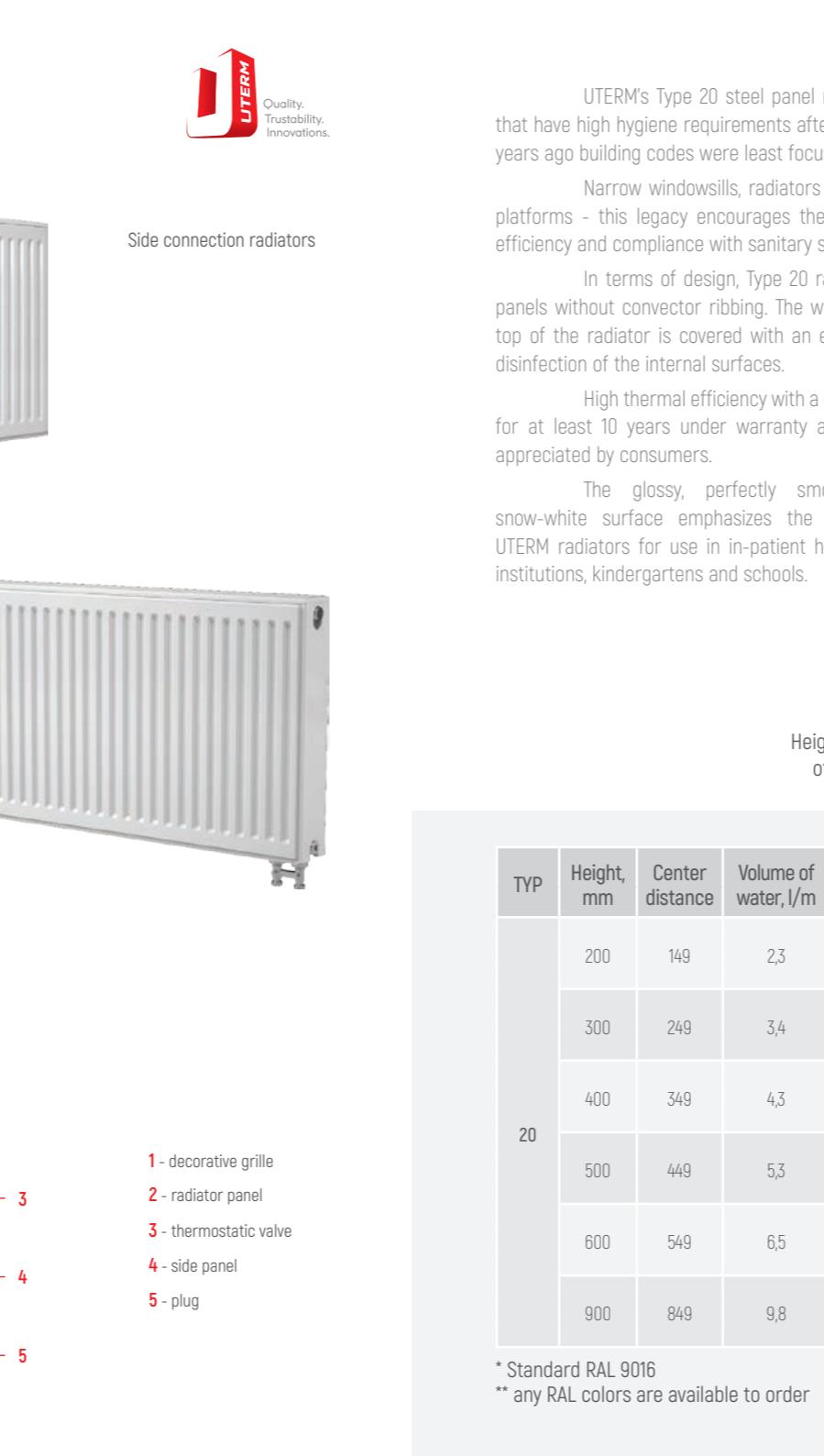
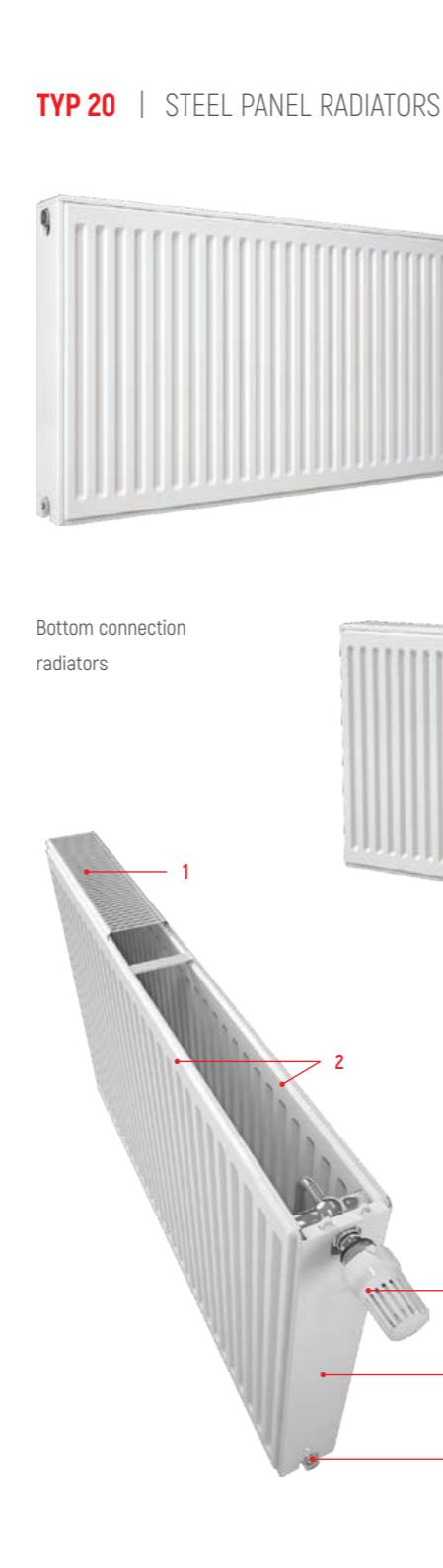
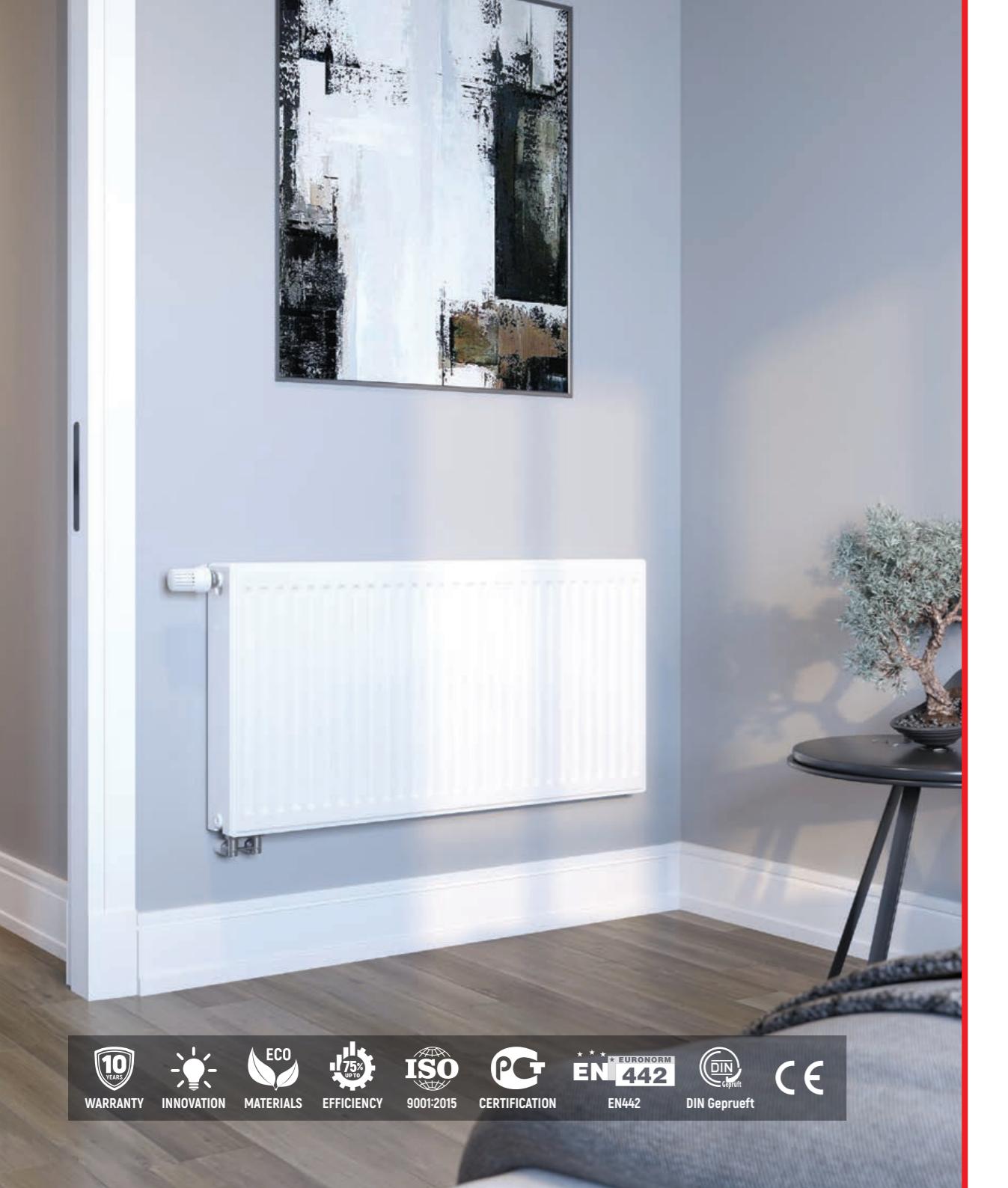
Ultra-compact, aesthetic and durable radiator of Type 11 is indispensable in premises with very narrow windowsills, small niches or with non-standard design solutions.



Height options of radiators

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
	250	199			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
	300	249			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
	350	299			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
	400	349			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
	450	399			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
	500	449			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
	550	499			75/65/20	288	360	432	504	576	648	720	792	864	936	1008	1080	1151	1223	1295	1367	1511	1583	1655	1727	1799	1871	1943	2015	2087	2159	
	600	549			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
	650	599			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
	700	649			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
	750	699			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
	800	749			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
	850	799			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
	900	849			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
	950	899			55/45/20	288	360	432	504	575	647	719	791	863	935	1007	1151	1223	1295	1367	1439	1511	1582	1654	1726	1798	1870	1942	2014	2086	2158	
	1000	949			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
	1050	999			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

* Standard RAL 9016<br



UTERM's Type 20 steel panel radiators are the optimal solution for facilities that have high hygiene requirements after renovations or major repairs are done. 30-40 years ago building codes were least focused on aesthetics.

Narrow windowsills, radiators along blank walls, bulky sections on interfloor platforms - this legacy encourages the search for a solution. Combining aesthetics, efficiency and compliance with sanitary standards is very important.

In terms of design, Type 20 radiator represents two interconnected welded panels without convective ribbing. The width of such an appliance is only 102 mm. The top of the radiator is covered with an elegant grille that does not hinder washing or disinfection of the internal surfaces.

High thermal efficiency with a coefficient of 1.28-1.3 and trouble-free operation for at least 10 years under warranty are important advantages of UTERM products appreciated by consumers.

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
	300	249	3,4		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
	400	349	4,3		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
	500	449	5,3	1,29	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
	600	549	6,5		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
	900	849	9,8		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
	200	149	2,3	1,28	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
	300	249	3,4		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
	400	349	4,3		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	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
	600	549	6,5		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
	900	849	9,8		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
	200	149	2,3	1,28	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
	300	249	3,4		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
	400	349	4,3		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
	500	449	5,3	1,29	55/45/20	288	360	432	504	575	647	719	791	863	935	1007	1079	1151	1223	1295	1439	1511	1654	1726	1798	1870	1942	2014	2086	2158		
	600	549	6,5		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
	900	849	9,8		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

* Standard RAL 9016

** any RAL colors are available to order

- Depth - 102 MM

- Maximum heat-transfer medium temperature 110°C

- Operating pressure 10 ATM



TYP 21 | STEEL PANEL RADIATORS

UTERM
Quality.
Trustability.
Innovations.

Side connection radiators

Bottom connection radiators

Height options of radiators

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
	200	149	2,3	1,33	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
	200	149	2,3	1,33	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
	200	149	2,3	1,33	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
	200	149	2,3	1,33	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
	200	149	2,3	1,33	95/85/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1841	1751	1860	1970	2079	2189	2298	2407	2517	2626	2736	2845	2955	3084	3174	3283
	200	149	2,3	1,33	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
	200	149	2,3	1,33	75/65/20	390	487	585	682	780	877	975	1072	1170	1267	1365	1462	1559	1657	1754	1852	1949	2144	2242	2339	2437	2534	2632	2729	2826	2924	
	200	149	2,3	1,33	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
	200	149	2,3	1,33	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
21s	300	249	3,4	1,31	75/65/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1841	1751	1860	1970	2079	2189	2298	2407	2517	2626	2736	2845	2955	3084	3174	3283
	300	249	3,4	1,31	95/85/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1841	1751	1860	1970	2079	2189	2298	2407	2517	2626	2736	2845	2955	3084	3174	3283
	300	249	3,4	1,31	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
	300	249	3,4	1,31	75/65/20	390	487	585	682	780	877	975	1072	1170	1267	1365	1462	1559	1657	1754	1852	1949	2144	2242	2339	2437	2534	2632	2729	2826	2924	
	300	249	3,4	1,31	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
21s	400	349	4,3	1,29	75/65/20	390	487	585	682	780	877	975	1072	1170	1267	1365	1462	1559	1657	1754	1852	1949	2144	2242	2339	2437	2534	2632	2729	2826	2924	
	400	349	4,3	1,29	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
	400	349	4,3	1,29	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
	400	349	4,3	1,29	75/65/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1841	1751	1860	1969	2079	2188	2297	2407	2516	2626	2735	2844	2954	3063	3173	3282
	400	349	4,3	1,29	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
21s	500	449	5,3	1,31	75/65/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1841	1751	1860	1969	2079	2188	2297	2407	2516	2626	2735	2844	2954	3063	3173	3282
	500	449	5,3	1,31	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
	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
	500	449	5,3	1,31	75/65/20	438	547	657	766	875	985	1094	1204	1313	1423	1532	1841	1751	1860	1969	2079	2188	2297	2407	2516	2626	2735	2844	2954	3063	3173	3282
	500	449	5,3	1,31	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
21s	600	549	6,5	1,33	75/65/20	510	637	764	892	1																						



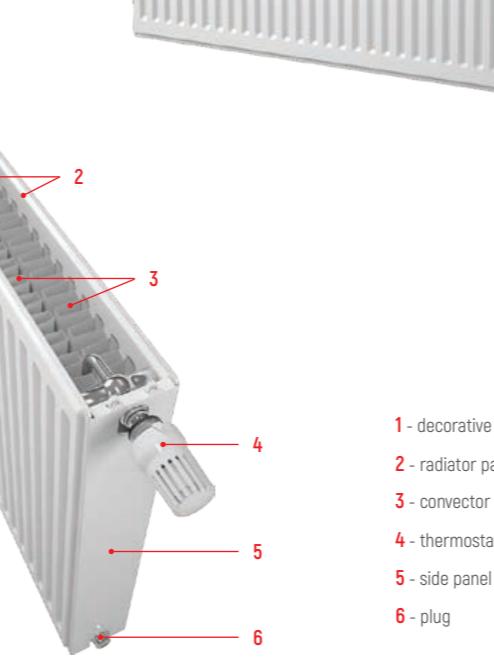
TYP 22 | STEEL PANEL RADIATORS



Side connection radiators



Bottom connection radiators



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

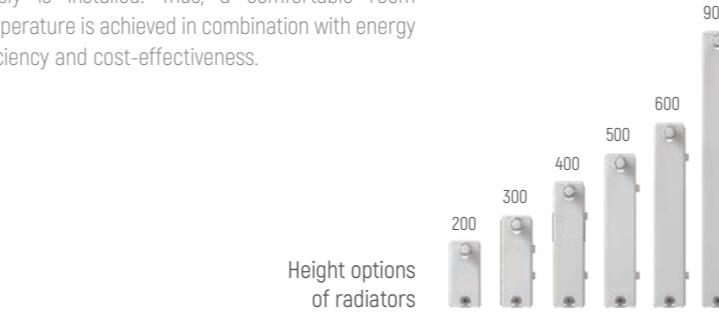
UTERM's Type 22 steel panel radiators are one of the most popular UTERM products. The heating appliances are compact, highly energy efficient and easy to mount.

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
	300	249	3,4	1,3	75/65/20	310	387	464	542	619	697	774	851	929	1006	1084	1161	1238	1316	1393	1471	1548	1625	1703	1780	1858</td						



| STEEL PANEL RADIATORS

UTERM's Type 30 steel panel radiators are used where premises require efficient heating and hygiene of the heating system.

UTERM's Type 30 line of radiators offers all sizes. The depth is 155 mm and minimum length is 400 mm with a 100 mm step. This makes it possible to calculate heating in each particular premise with high accuracy, which is important for the creation of a comfortable microclimate. The thermal efficiency coefficient is 1,28-1,30.

Type 30 features no internal convector ribbing. The upper grille covers panels while providing easy access to the inside of the radiator for washing or disinfecting.

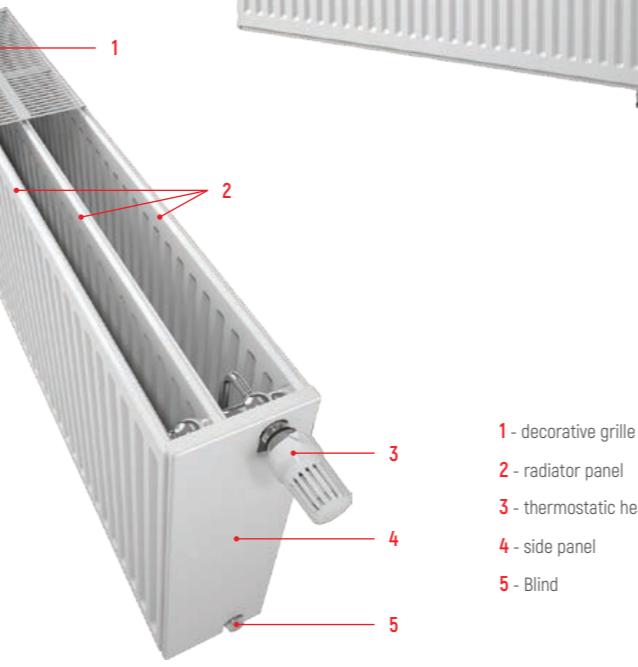
Heating appliances of this type are recommended for mounting in facilities with high requirements for sanitation - hospitals, institutions for children, manufacturing plants for pharmaceutical products and food.

UTERM radiators pay special attention to safety – both environmental and operational.

All products meet international quality standards and are CE marked.



connection



- 1** - decorative grille
- 2** - radiator panel
- 3** - thermostatic head
- 4** - side panel
- 5** - Blind



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
30	200	149	4,4	1,3	55/45/20	160	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040	1080	1120	1160	1200
					75/65/20	313	391	470	548	626	705	783	861	940	1018	1096	1174	1253	1331	1409	1488	1566	1644	1723	1801	1879	1957	2036	2114	2192	2271	2349
					95/85/20	486	608	729	851	972	1094	1215	1337	1458	1580	1701	1823	1944	2066	2187	2309	2430	2552	2673	2795	2917	3038	3160	3281	3403	3524	3646
	300	249	5,1	1,3	55/45/20	178	222	266	311	355	399	444	488	533	577	621	666	710	755	799	843	888	932	976	1021	1065	1110	1154	1198	1243	1287	1331
					75/65/20	348	434	521	608	695	782	869	956	1043	1130	1217	1303	1390	1477	1564	1651	1738	1825	1912	1999	2086	2172	2259	2346	2433	2520	2607
					95/85/20	539	674	809	944	1079	1214	1349	1484	1618	1753	1888	2023	2158	2293	2428	2563	2697	2832	2967	3102	3237	3372	3507	3641	3776	3911	4046
	400	349	6,5	1,32	55/45/20	262	327	393	458	524	589	655	720	786	851	916	982	1047	1113	1178	1244	1309	1375	1440	1506	1571	1636	1702	1767	1833	1898	1964
					75/65/20	518	647	777	906	1036	1165	1295	1424	1554	1683	1813	1942	2072	2201	2331	2460	2590	2719	2849	2978	3108	3237	3367	3496	3626	3755	3885
					95/85/20	809	1012	1214	1416	1619	1821	2023	2226	2428	2631	2833	3035	3238	3440	3642	3845	4047	4249	4452	4654	4856	5059	5261	5463	5666	5868	6070
	500	449	8	1,3	55/45/20	266	333	399	466	532	599	665	732	799	865	932	998	1065	1131	1198	1264	1331	1398	1464	1531	1597	1664	1730	1797	1863	1930	1998
					75/65/20	521	651	782	912	1042	1173	1303	1433	1564	1694	1824	1954	2085	2215	2345	2476	2606	2736	2867	2997	3127	3257	3388	3518	3648	3779	3909
					95/85/20	809	1011	1213	1416	1618	1820	2022	2224	2427	2629	2831	3033	3236	3438	3640	4045	4247	4449	4651	4853	5056	5258	5460	5662	5865	6067	
	600	549	9,3	1,31	55/45/20	306	383	460	536	613	690	766	843	919	996	1073	1149	1226	1303	1379	1456	1532	1609	1686	1762	1839	1916	1992	2069	2145	2222	2299
					75/65/20	603	754	905	1056	1206	1357	1508	1659	1810	1960	2111	2262	2413	2564	2714	2865	3016	3167	3318	3468	3619	3770	3921	4072	4222	4373	4524
					95/85/20	939	1174	1409	1644	1879	2114	2348	2583	2818	3053	3288	3523	3757	3992	4227	4462	4697	4932	5166	5401	5636	5871	6106	6341	6575	6810	7045
	900	849	13,5	1,34	55/45/20	414	517	620	724	827	931	1034	1137	1241	1344	1448	1551	1655	1758	1861	1965	2068	2172	2275	2378	2482	2585	2689	2792	2895	2999	3102
					75/65/20	827	1033	1240	1447	1654	1860	2067	2274	2480	2687	2894	3100	3307	3514	3721	3927	4134	4341	4547	4754	4961	5167	5374	5581	5788	5994	6201
					95/85/20	1301	1626	1951	2276	2601	2927	3252	3577	3902	4227	4552	4878	5203	5528	5853	6178	6503	6829	7154	7479	7804	8129	8454	8780	9105	9430	9755

* Standard R

** any RAL colors are available to order

5 MM

pressure 10 ATM

mum heat-tr

years warranty





TYP 33 | STEEL PANEL RADIATORS

UTERM's Type 33 steel panel radiators are the most efficient for even heating of large areas and volumes. They are distinguished by their compactness, aesthetics and UTERM's special efficacy - we have developed a model with an ideal ratio of dimensions to thermal efficiency.

UTERM's Type 33 line offers radiators of all sizes. The depth is 155 mm, which makes it possible to mount the appliances almost without limitations. The elements of the heating system look compact - minimum length is 400 mm with a 100 mm step.

In terms of design, Type 33 radiator is a three-row appliance with three convector ribbings and an enclosed casing. This model is distinguished by high convection - the ribbings are between the panels with the heat medium and help to increase the thermal efficiency.

When a heating system is designed, the required number of panels is calculated according to the table.

The coefficient of Type 33 is 1.29-1.31 at an average temperature of the heat medium.

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
33	200	149	4,4	1,34	55/45/20	218	273	327	382	436	491	545	600	654	709	763	818	872	927	982	1036	1091	1145	1200	1254	1309	1363	1418	1472	1527	1581	1636
	300	249	5,1		75/65/20	436	545	654	763	872	981	1090	1199	1308	1417	1526	1635	1744	1853	1962	2071	2180	2289	2398	2507	2616	2725	2834	2943	3052	3161	3270
	400	349	6,5	1,3	95/85/20	686	857	1029	1200	1372	1543	1715	1886	2058	2229	2401	2572	2744	2915	3087	3258	3429	3601	3772	3944	4115	4287	4458	4630	4801	4973	5144
	500	449	8		55/45/20	259	323	388	452	517	582	646	711	776	840	905	970	1034	1099	1163	1228	1293	1357	1422	1487	1551	1616	1681	1745	1810	1874	1939
	600	549	9,3		75/65/20	506	633	760	886	1013	1139	1266	1393	1519	1646	1772	1899	2026	2152	2279	2405	2532	2659	2785	2912	3038	3165	3292	3418	3545	3671	3798
	900	849	13,5	1,36	95/85/20	786	983	1179	1376	1572	1769	1965	2162	2358	2555	2751	2948	3144	3341	3538	3734	3931	4127	4324	4520	4717	4913	5110	5306	5503	5699	5896
	200	149	4,4		55/45/20	344	429	515	601	687	773	859	945	1031	1116	1208	1288	1374	1460	1546	1632	1718	1804	1889	1975	2061	2147	2233	2319	2405	2491	2576
	300	249	5,1		75/65/20	688	860	1032	1204	1376	1548	1720	1892	2064	2236	2408	2580	2752	2924	3096	3268	3440	3612	3784	3956	4128	4300	4472	4644	4816	4988	5160
	400	349	6,5		95/85/20	1062	1327	1593	1858	2124	2389	2655	2920	3186	3451	3717	3982	4248	4513	4779	5044	5310	5575	5840	6106	6371	6637	6902	7168	7433	7699	7964
	500	449	8		55/45/20	401	502	602	703	803	903	1004	1104	1204	1305	1405	1505	1606	1706	1807	1907	2007	2108	2208	2308	2409	2509	2609	2710	2810	2911	3011
	600	549	9,3		75/65/20	794	993	1192	1390	1589	1787	1986	2185	2383	2582	2780	2979	3178	3376	3575	3773	3972	4171	4369	4568	4766	4965	5164	5362	5561	5759	5958
	900	849	13,5		95/85/20	1241	1552	1862	2173	2483	2793	3104	3414	3724	4035	4345	4656	4966	5276	5587	5897	6207	6518	6828	7139	7449	7759	8070	8380	8690	9001	9311
	200	149	4,4	1,32	55/45/20	463	578	694	809	925	1041	1156	1272	1388	1503	1619	1735	1850	1966	2082	2197	2313	2428	2544	2660	2775	2891	3007	3122	3238	3354	3469
	300	249	5,1		75/65/20	915	1143	1372	1601	1830	2058	2287	2516	2744	2973	3202	3430	3659	3888	4117	4345	4574	4803	5031	5260	5489	5717	5946	6175	6404	6632	6861
	400	349	6,5		95/85/20	1429	1786	2144	2501	2858	3216	3573	3930	4287	4645	5002	5359	5716	6074	6431	6788	7146	7503	7860	8217	8575	8932	9289	9647	10004	10361	10718
	500	449	8	1,32	55/45/20	646	808	969	1131	1292	1454	1577	1777	1938	2100	2261	2423	2584	2746	2907	3069	3230	3392	3553	3715	3876	4038	4199	4361	4522	4684	4845
	600	549	9,3		75/65/20	1305	1631	1957	2283	2610	2936	3262	3588	3914	4241	4567	4893	5219	5545	5872	6198	6524	6850	7176	7503	7829	8155	8481	8807	9134	9460	9786
	900	849	13,5		95/85/20	2067	2583	3100	3616	4133	4650	5166	5683	6200	6716	7233	7750	8266	8783	9300	9816	10333	10849	11366	11883	12399	12916	13433	13949	14466	14983	15499

* Standard RAL 9016
** any RAL colors are available to order

- Depth - 155 MM
- Maximum heat-transfer medium temperature 110°C
- Operating pressure 10 ATM
- 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.

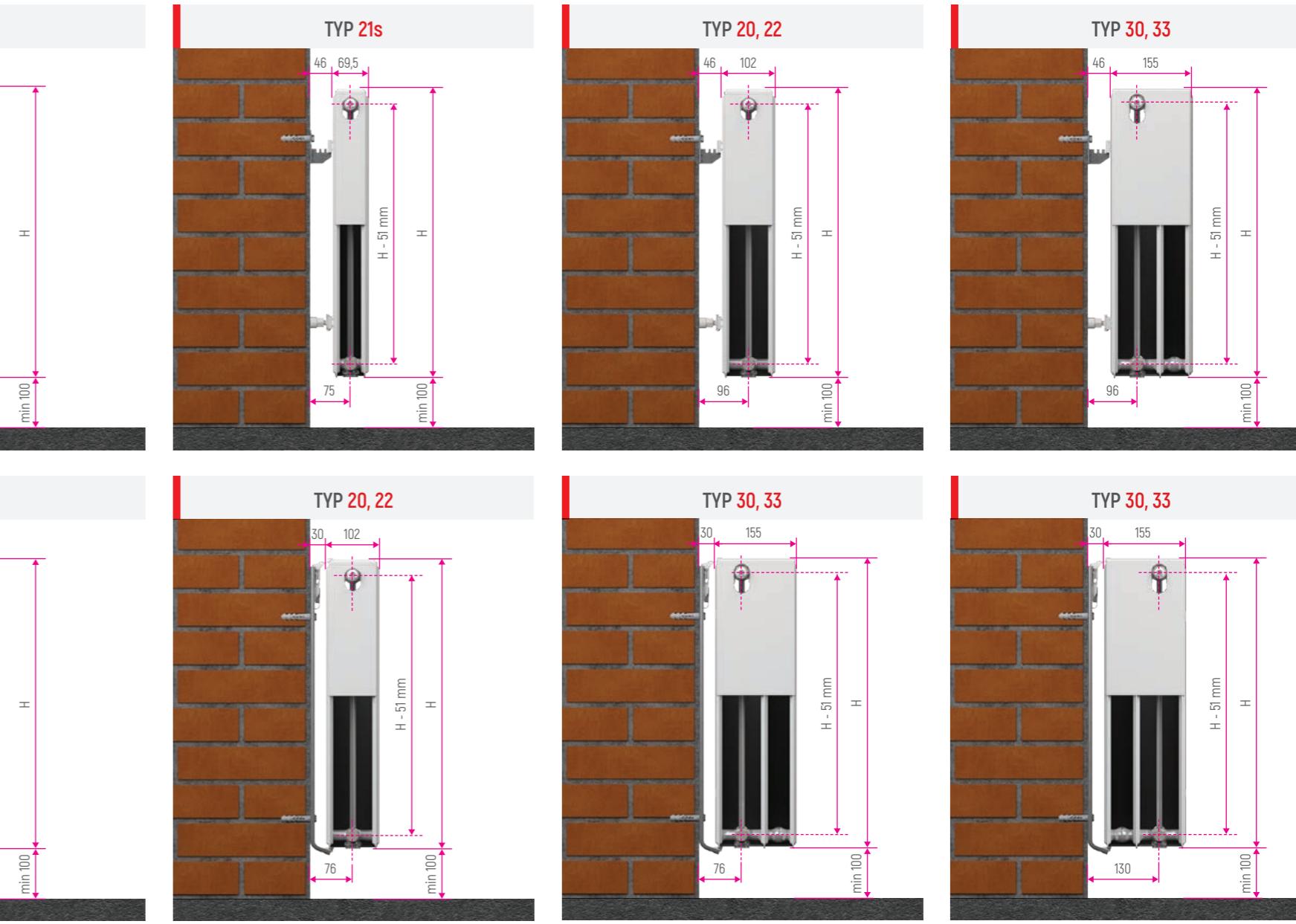
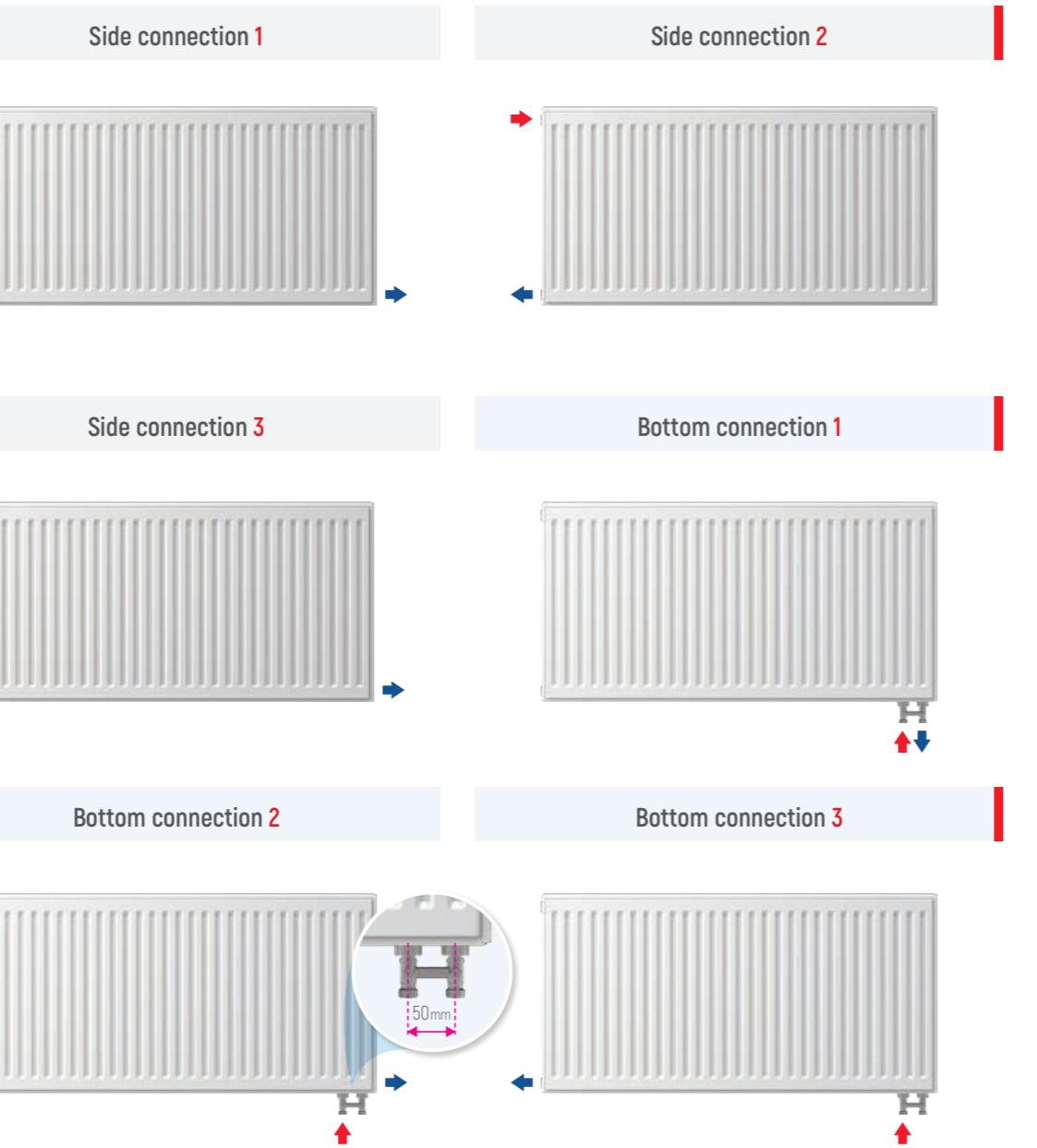
It is possible to connect a radiator with the bottom connection to a system in one of the following three basic methods:

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.

STEEL PANEL RADIATORS



RADIATORS MOUNTING



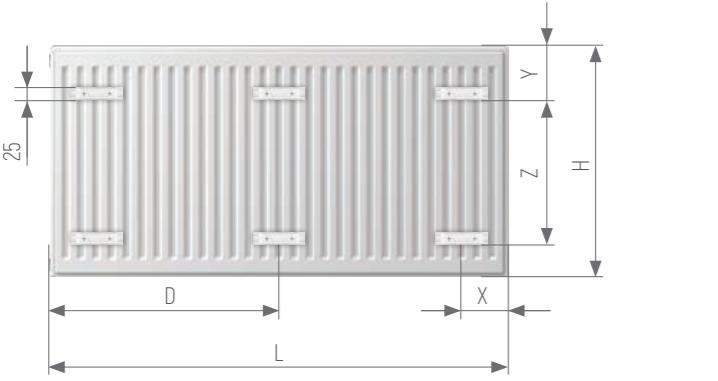
CLIPPOSITION ON RADIATORS | MOUNTING KITS FOR SIDE CONNECTION

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

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MOUNTING KITS FOR BOTTOM CONNECTION | FLOOR MOUNTINGS | THERMAL VALVE

Side connection 400-1500 № 1



Side connection 1600-3000 № 1.2



Bottom connection 400-1500 № 1



Bottom connection 1600-3000 № 1.2



FLOOR MOUNTINGS



THERMAL VALVE



Side connection 400-1500 № 2



Side connection 1600-3000 № 2.2



Bottom connection 400-1500 № 2



Bottom connection 1600-3000 № 2.2



Side connection 400-1500 № 3



Side connection 1600-3000 № 3.2



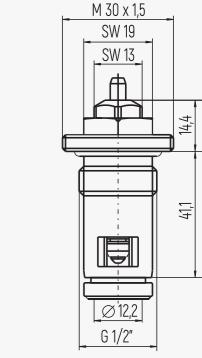
Bottom connection 400-1500 № 3



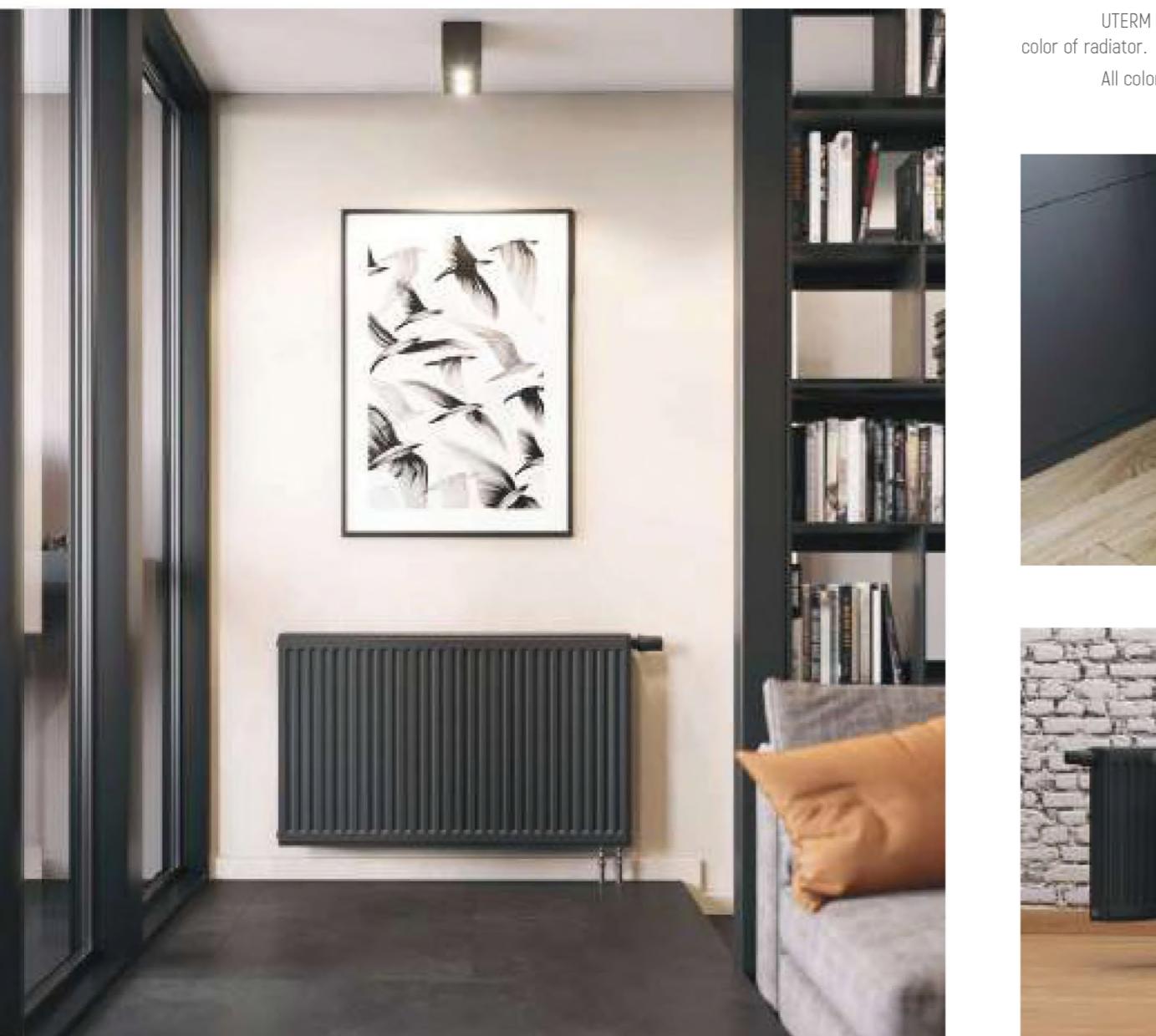
Bottom connection 1600-3000 № 3.2



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



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