

ENG



Quality.
Trustability.
Innovations.



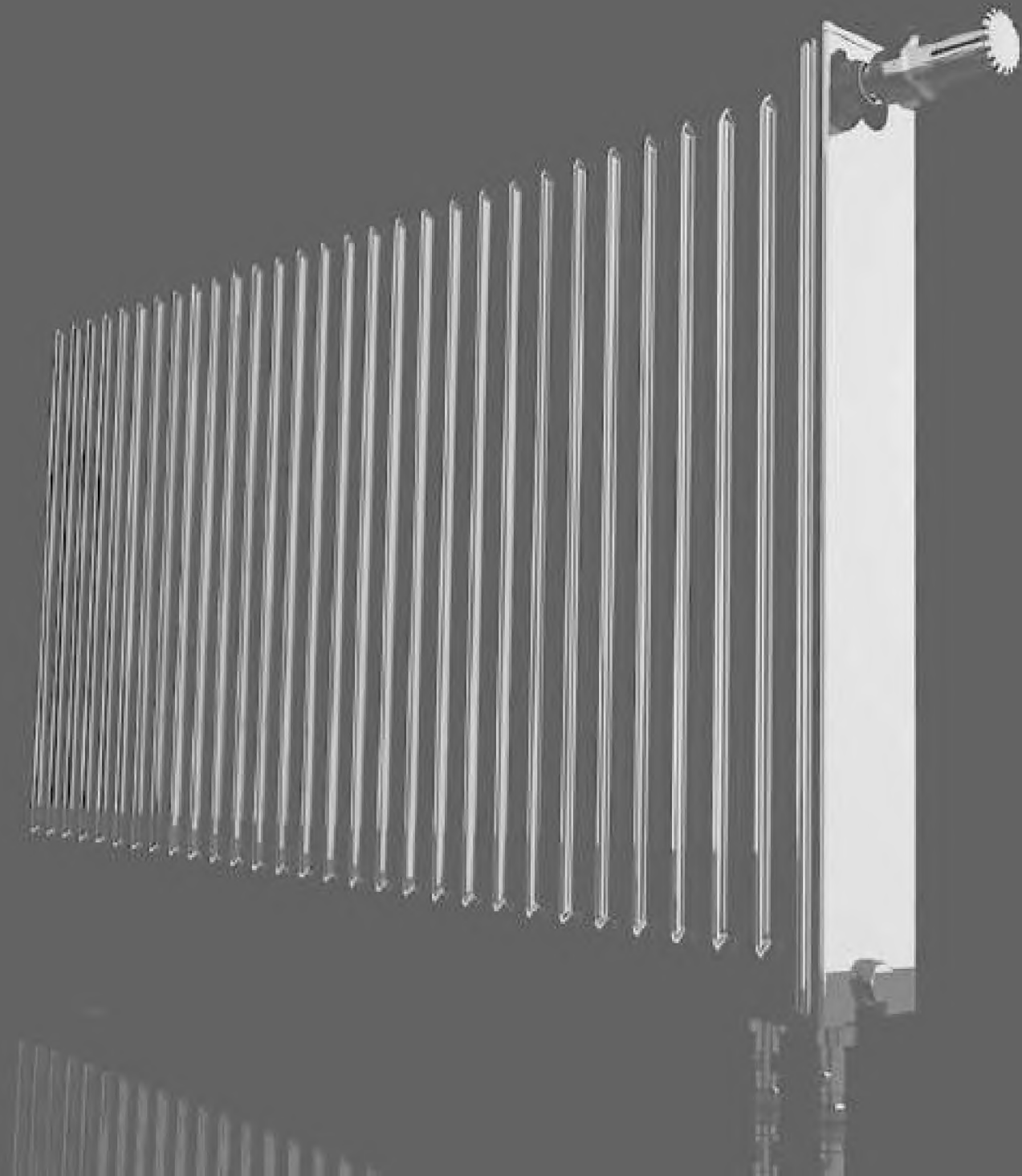
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UTERM | EUROPEAN QUALITY AT UKRAINIAN PRICE



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.





UTERM | EUROPEAN QUALITY AT UKRAINIAN PRICE



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 expertize 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



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%



UTERM | QUALITY. TRUSTABILITY. INNOVATIONS.

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!



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.







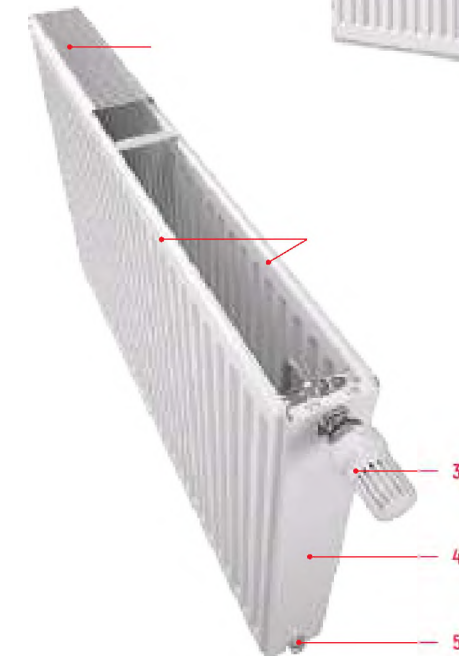
TYP 20 | STEEL PANEL RADIATORS



Side connection radiators



Bottom connection
radiators



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

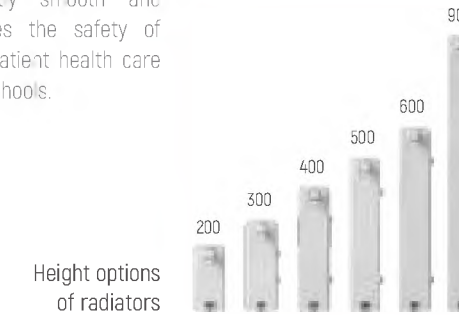
UTERM's type 20 steel panel radiators are the optimal solution for facilities that have high hygiene requirements after renovations or major repairs are done. 30-40 years ago building codes were least focused on aesthetics.

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 convector 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			
					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	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			
					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			

* Standard RAL 9016

** any RAL colors are available to order

- Depth - 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.

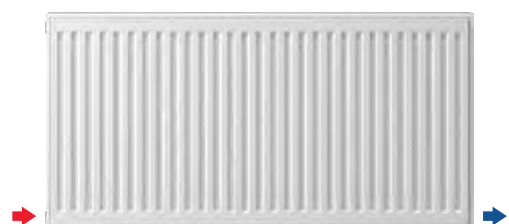
Side connection 1



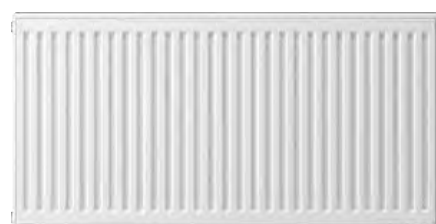
Side connection 2



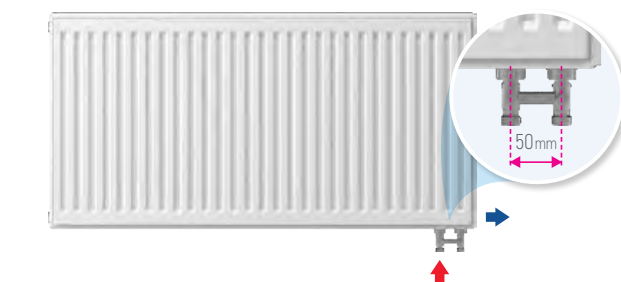
Side connection 3



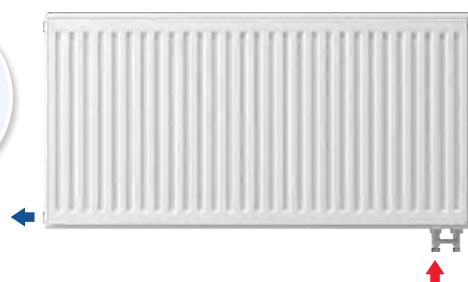
Bottom connection 1



Bottom connection 2



Bottom connection 3

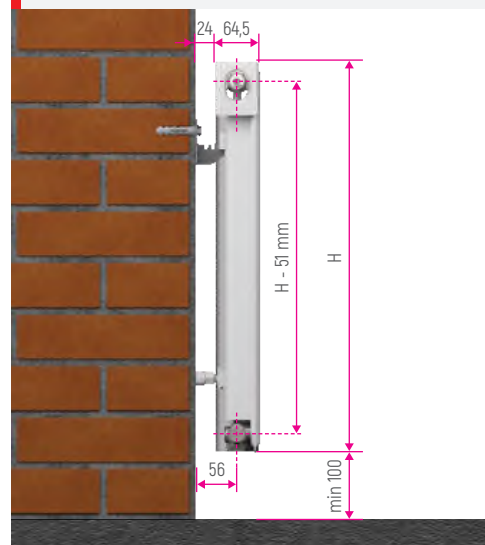


STEEL PANEL RADIATORS

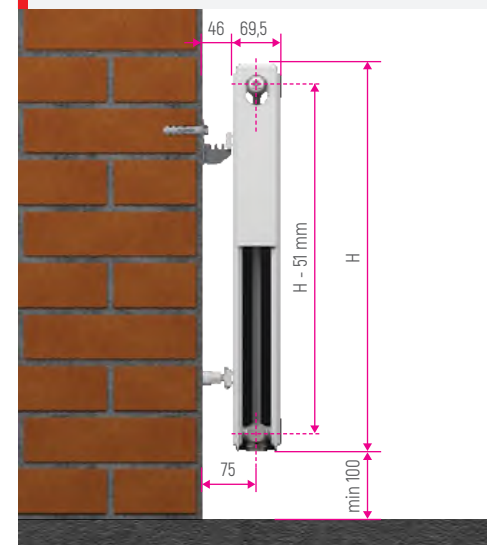


RADIATORS MOUNTING

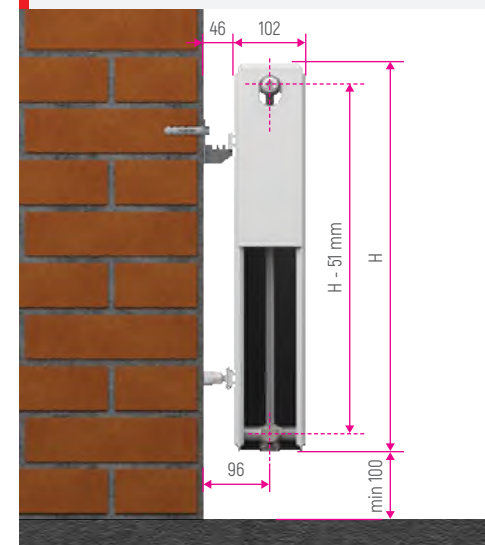
TYP 11



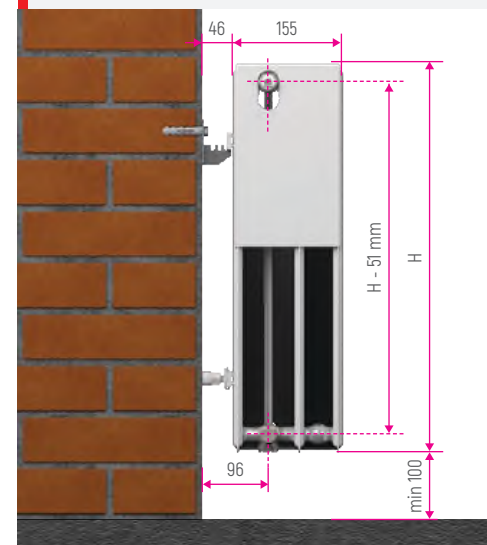
TYP 21s



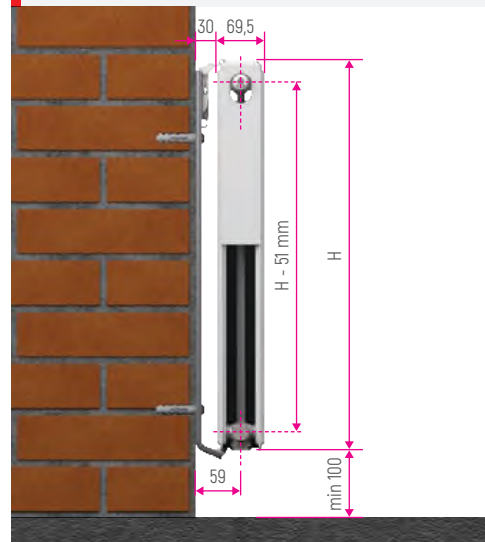
TYP 20, 22



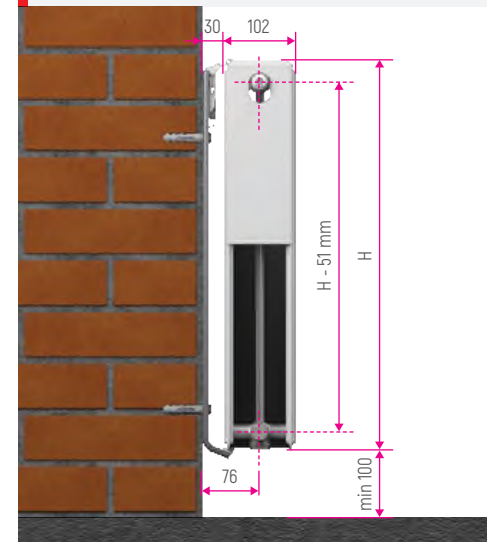
TYP 30, 33



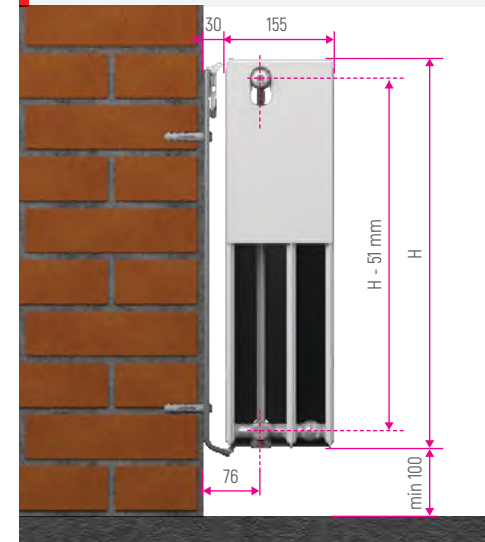
TYP 21s



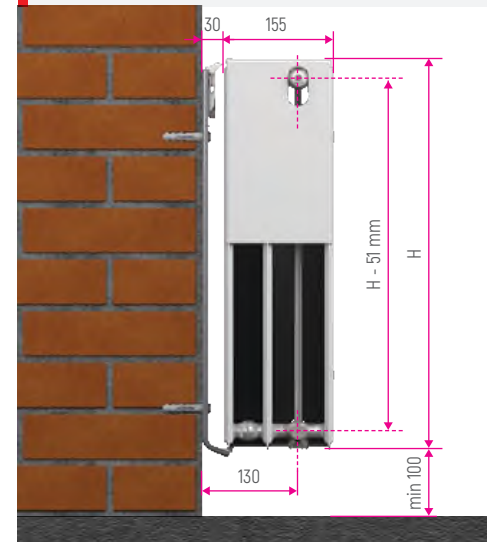
TYP 20, 22



TYP 30, 33



TYP 30, 33

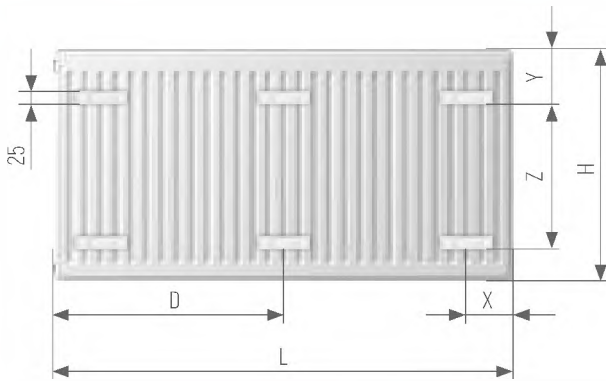


Middle clip position TYPE 10, 21, 22, 30, 33

- 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 1600-3000 № 1.2



Side connection 400-1500 № 2



Side connection 1600-3000 № 2.2



Side connection 400-1500 № 3



Side connection 1600-3000 № 3.2



Bottom connection 400-1500 № 1



Bottom connection 1600-3000 № 1.2



Bottom connection 400-1500 № 2



Bottom connection 1600-3000 № 2.2



Bottom connection 400-1500 № 3



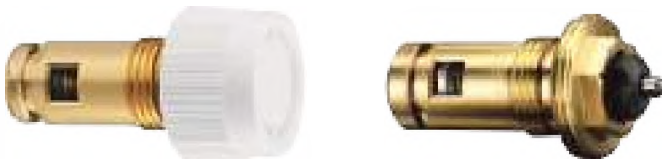
Bottom connection 1600-3000 № 3.2



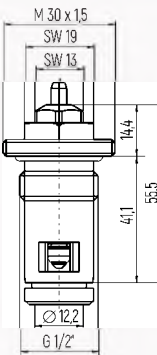
FLOOR MOUNTINGS



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.

