

IMAS GROUP
REAL QUALITY MADE IN ITALY



flat panel *Radiators*





Flat Fronted Panel Radiators

The sleek flat front panel radiators are a cost effective, stylish and practical alternative to standard radiators. Available in the most popular sizes they are easy to install and the flat face provides a superior finish which is easier to maintain and clean.

IM11 Type 11 Horizontal (pag. 4-5)

Single steel flat panel with a single convector

- 3 heights
- 12 widths
- White RAL 9016 finish
- Available from stock
- 10 Year Guarantee



IM21 Type 21 Horizontal (pag. 6-7)

Double steel flat panels with single convector

- 1 height
- 5 widths
- White RAL 9016 finish
- Available from stock
- 10 Year Guarantee



IM22 Type 22 Horizontal (pag. 8-9)

Double steel flat panels with double convectors

- 4 heights
- 12 widths
- White RAL 9016 finish
- Available from stock
- 10 Year Guarantee



Type Vertical (10-11) Type 10-11-20-21-22

- 4 heights
- 4 widths
- White RAL 9016 finish
- Available from stock
- 10 Year Guarantee



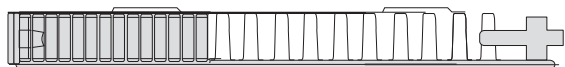
Flat Panel radiators are manufactured and tested to EN442

IM11 Type 11 Horizontal flat panel radiator

- Single flat panel
- Single convector
- 3 heights and 12 widths
- White RAL 9016 finish
- Available from stock
- 10 year guarantee



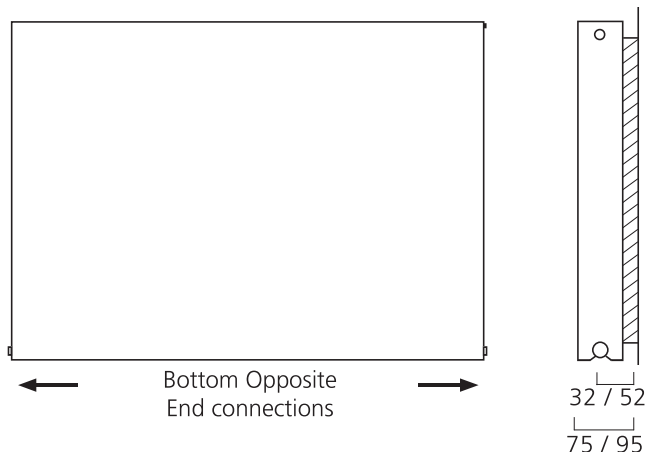
Type 11 Profile



Single steel panel with a single convector.



Technical Drawing



Pipe Centres

Pipe centres left to right = Width plus valves

Pipe centres from wall = 32mm / 52mm

Depth from wall = 75mm / 95mm

Radiator models and sizes

Model	Dimensions (mm)			Weight (kg)	Output Δt 50°C		Output Δt 55.5°C		Output Δt 60°C	
	Height	Width	Depth		Watts	Btu's	Watts	Btu's	Watts	Btu's
11/405/600	400	600	70	8.3	380	1297	435	1485	480	1639
11/405/800		800	70	11.1	506	1726	580	1978	640	2182
11/405/1000		1000	70	13.9	633	2160	725	2474	800	2730
11/405/1200		1200	70	16.7	760	2593	871	2970	961	3278
11/405/1400		1400	70	19.4	886	3023	1015	3463	1120	3821
11/405/1600		1600	70	22.2	1013	3456	1160	3959	1280	4368
11/405/1800		1800	70	25.0	1139	3886	1305	4451	1440	4912
11/405/2000		2000	70	27.8	1265	4316	1449	4944	1599	5456
11/505/400	500	400	70	7.1	301	1027	345	1176	380	1298
11/505/600		600	70	10.6	452	1542	518	1766	571	1949
11/505/800		800	70	14.1	602	2054	690	2353	761	2596
11/505/1000		1000	70	17.7	752	2566	861	2939	951	3243
11/505/1200		1200	70	21.2	903	3081	1034	3529	1141	3894
11/505/1400		1400	70	24.7	1053	3593	1206	4115	1331	4541
11/505/1600		1600	70	28.3	1204	4108	1379	4705	1522	5193
11/505/1800		1800	70	31.8	1355	4623	1552	5295	1713	5844
11/505/2000		2000	70	35.3	1505	5135	1724	5882	1902	6491
11/605/400	600	400	70	8.7	347	1184	397	1356	439	1497
11/605/600		600	70	13.1	522	1781	598	2040	660	2251
11/605/800		800	70	17.4	696	2375	797	2720	880	3002
11/605/1000		1000	70	21.8	869	2965	995	3396	1098	3748
11/605/1200		1200	70	26.2	1043	3559	1195	4076	1318	4499
11/605/1400		1400	70	30.5	1217	4152	1394	4756	1538	5248
11/605/1600		1600	70	34.9	1391	4746	1593	5436	1758	5999
11/605/1800		1800	70	39.2	1565	5340	1793	6116	1978	6750
11/605/2000		2000	70	43.6	1739	5933	1992	6796	2198	7500

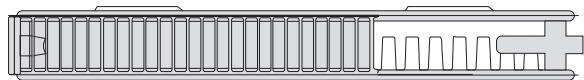
The Type 11 has a test pressure of 13 Bar, maximum operating pressure of 8 bar and the maximum working temperature is 110°C

IM21 Type 21 Horizontal flat panel radiator

- Double flat panels
- Single convector
- 1 height and 5 widths
- White RAL 9016 finish
- Available from stock
- 10 year guarantee

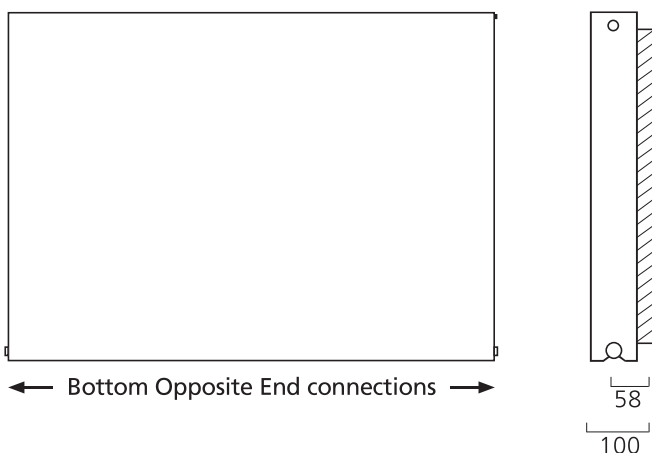


Type 21 (p+) Profile



Double steel panels (one front, one back) with a single convector.

Technical Drawing



Pipe Centres

Pipe centres left to right = Width plus valves

Pipe centres from wall = 58mm

Depth from wall = 100mm

Radiator models and sizes

Model	Dimensions (mm)			Weight (kg)	Output Δt 50°C		Output Δt 55.5°C		Output Δt 60°C	
	Height	Width	Depth		Watts	Btu's	Watts	Btu's	Watts	Btu's
21/605/600	600	600	75	13.1	729	2487	835	2849	921	3144
21/605/800		800	75	17.4	972	3316	1113	3799	1229	4192
21/605/1000		1000	75	21.8	1215	4146	1392	4748	1536	5240
21/605/1200		1200	75	26.2	1458	4975	1670	5698	1843	6288
21/605/1400		1400	75	30.5	1701	5804	1948	6648	2150	7336

The Type 21 (p+) has a test pressure of 13 Bar, maximum operating pressure of 8 bar and the maximum working temperature is 110°C

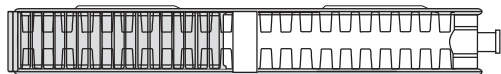


IM22 Type 22 Horizontal flat panel radiator

- Double flat panels
- Double convectors
- 4 heights and 12 widths
- White RAL 9016 finish
- Available from stock
- 10 year guarantee

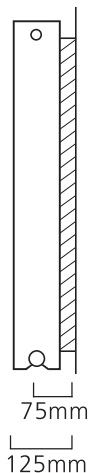


Type 22 Profile



Double steel panels (one front, one back) with double convectors.

Technical Drawing



Pipe Centres

Pipe centres left to right = Width plus valves

Pipe centres from wall = 75mm

Depth from wall = 125mm

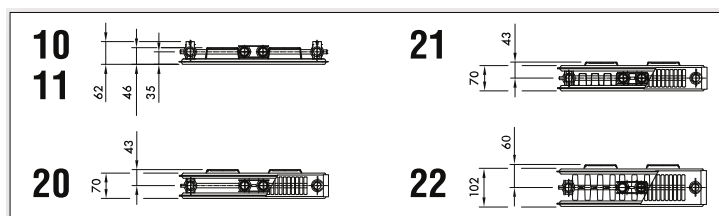
Radiator models and sizes

Model	Dimensions (mm)			Weight (kg)	Output Δt 50°C		Output Δt 55.5°C		Output Δt 60°C	
	Height	Width	Depth		Watts	Btu's	Watts	Btu's	Watts	Btu's
22/305/800	300	800	102	15.8	702	2395	804	2743	887	3028
22/305/1000		1000	102	19.7	878	2996	1006	3431	1110	3787
22/305/1200		1200	102	23.6	1053	3593	1206	4115	1331	4541
22/305/1400		1400	102	27.6	1229	4193	1408	4803	1553	5300
22/305/1600		1600	102	31.5	1404	4790	1608	5487	1775	6055
22/305/1800		1800	102	35.5	1580	5391	1810	6175	1997	6814
22/405/400	400	400	102	9.7	448	1529	513	1751	566	1932
22/405/600		600	102	14.6	672	2293	770	2626	849	2898
22/405/800		800	102	19.5	896	3057	1026	3502	1133	3864
22/405/900		900	102	21.95	1009	3443	1155	3942	1275	4350
22/405/1000		1000	102	24.4	1121	3825	1284	4381	1417	4835
22/405/1200		1200	102	29.2	1345	4589	1541	5256	1700	5801
22/405/1400		1400	102	34.1	1569	5353	1797	6132	1983	6767
22/405/1600		1600	102	39.0	1793	6118	2054	7007	2266	7733
22/405/1800		1800	102	43.9	2017	6882	2310	7883	2549	8699
22/405/2000		2000	102	48.7	2241	7646	2567	8758	2833	9665
22/505/400	500	400	102	12.0	541	1846	620	2114	684	2333
22/505/600		600	102	18.0	811	2767	929	3169	1025	3498
22/505/800		800	102	24.0	1082	3692	1239	4229	1368	4666
22/505/1000		1000	102	30.1	1352	4613	1549	5284	1709	5831
22/505/1200		1200	102	36.1	1622	5534	1858	6339	2050	6995
22/505/1400		1400	102	42.1	1893	6459	2168	7398	2393	8164
22/505/1600		1600	102	48.1	2163	7380	2478	8453	2734	9329
22/505/1800		1800	102	54.1	2434	8305	2788	9512	3077	10497
22/505/2000		2000	102	60.1	2704	9226	3097	10568	3418	11662
22/605/400	600	400	102	33.2	650	2218	745	2540	822	2804
22/605/600		600	102	22.5	976	3330	1118	3814	1234	4209
22/605/700		700	102	26.25	1138	3883	1304	4449	1439	4910
22/605/800		800	102	30.0	1301	4439	1490	5084	1644	5611
22/605/900		900	102	33.75	1463	4992	1675	5718	1849	6310
22/605/1000		1000	102	37.5	1625	5545	1861	6351	2054	7009
22/605/1100		1100	102	41.25	1788	6101	2047	6986	2260	7709
22/605/1200		1200	102	45.0	1950	6653	2234	7620	2465	8409
22/605/1400		1400	102	52.5	2275	7762	2606	8891	2876	9811
22/605/1600		1600	102	60.0	2601	8875	2979	10165	3288	11218
22/605/1800		1800	102	67.5	2926	9984	3351	11436	3698	12620
22/605/2000		2000	102	75.0	3251	11092	3724	12705	4109	14021

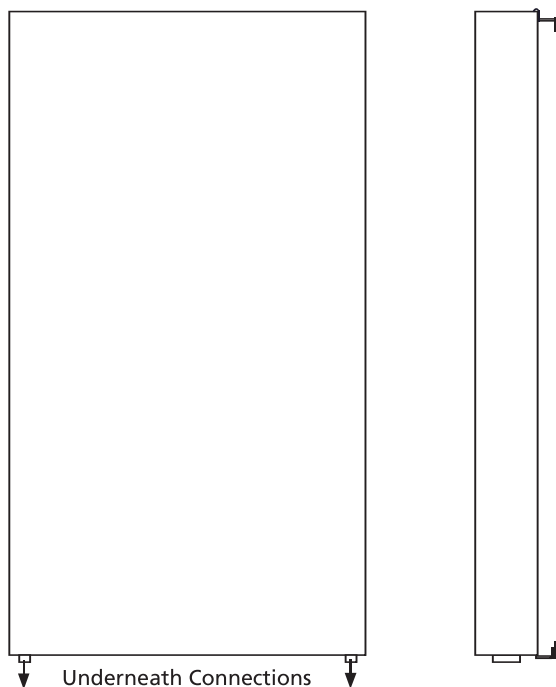
The Type 22 has a test pressure of 13 Bar, maximum operating pressure of 8 bar and the maximum working temperature is 110°C

Type Vertical IM 10-11-20-21-22 flat panel radiator

- White RAL 9016 finish
- Available from stock
- 10 year guarantee



Technical Drawing



Optional Towel Bar available



Radiator models and sizes

20 °C		Type 10				Type 11				Type 20				Type 21				Type 22			
Lenght (mm)	T1/T2	Height H (mm)																			
	(°C)	1600	1800	2000	2200	1600	1800	2000	2200	1600	1800	2000	2200	1600	1800	2000	2200	1600	1800	2000	2200
400	90/70	850	944	1043	1148	1094	1207	1316	1421	1314	1453	1582	1719	1536	1688	1825	1962	1840	2008	2175	2342
	75/65	671	745	823	906	863	952	1038	1121	1037	1146	1248	1356	1212	1332	1440	1548	1452	1584	1716	1848
	70/55	543	603	666	733	699	771	840	908	840	928	1010	1098	981	1078	1166	1253	1175	1282	1389	1496
	55/45	345	383	424	466	444	490	534	577	534	590	642	698	624	686	741	797	747	815	883	951
500	90/70	1063	1181	1304	1436	1368	1508	1645	1776	1643	1816	1977	2148	1920	2110	2281	2453	2300	2510	2719	2928
	75/65	839	932	1029	1133	1079	1190	1298	1401	1296	1433	1560	1695	1515	1665	1800	1935	1815	1980	2145	2310
	70/55	679	755	833	917	874	963	1051	1134	1049	1160	1263	1372	1226	1348	1457	1566	1469	1603	1736	1870
	55/45	432	480	530	583	555	613	668	721	661	738	803	873	780	857	927	996	934	1019	1104	1189
600	90/70	1275	1417	1565	1722	1640	1809	1973	2131	1971	2179	2373	2578	2304	2532	2738	2943	2761	3011	3262	3513
	75/65	1006	1118	1235	1359	1294	1427	1557	1681	1555	1719	1872	2034	1818	1998	2160	2322	2178	2376	2574	2772
	70/55	814	905	1000	1100	1048	1155	1260	1361	1259	1392	1515	1647	1472	1617	1749	1880	1763	1923	2084	2244
	55/45	518	575	636	700	666	735	801	865	800	885	964	1047	936	1028	1112	1195	1121	1223	1325	1427
800	90/70	1488	1653	1826	2010	1914	2110	2303	2485	2299	2543	2768	3008	2688	2954	3194	3434	3221	3513	3806	4099
	75/65	1174	1304	1441	1586	1510	1665	1817	1961	1814	2006	2184	2373	2121	2331	2520	2709	2541	2772	3003	3234
	70/55	950	1056	1167	1284	1222	1348	1471	1588	1469	1624	1768	1921	1717	1887	2040	2193	2057	2244	2431	2618
	55/45	604	671	742	816	777	857	935	1009	934	1033	1124	1222	1092	1200	1297	1394	1308	1427	1546	1665

The Type 10-11-20-21-22 has a test pressure of 13 Bar, maximum operating pressure of 10 bar and the maximum working temperature is 110°C