



concept ultra 5000

quality horizontal flat panel

high output

radiators

**Senso
therm**
heat with style

			5000 SINGLE CONVECTOR			5000 DOUBLE PANEL SINGLE CONVECTOR			5000 DOUBLE CONVECTOR			5000 TRIPLE CONVECTOR				
Height			Length mm	Length Inches		Code	Output Watts △t60°C	Output Watts △t50°C		Code	Output Watts △t60°C	Output Watts △t50°C		Code	Output Watts △t60°C	Output Watts △t50°C
200mm - 8 inches			400	15.7	-	-	-	-	-	-	-	-	-	-	-	-
			500	19.7	-	-	-	-	-	-	-	-	-	-	-	-
			600	23.6	-	-	-	-	-	-	-	-	-	PT206	645	509
			700	27.6	-	-	-	-	-	-	-	-	-	-	-	-
			800	31.5	-	-	-	-	-	-	-	-	-	PT208	862	680
			900	35.4	-	-	-	-	-	-	-	-	-	-	-	-
			1000	39.4	-	-	-	-	-	-	-	-	-	PT210	1077	850
			1100	43.3	-	-	-	-	-	-	-	-	-	-	-	-
			1200	47.2	-	-	-	-	-	-	-	-	-	-	-	-
			1300	51.2	-	-	-	-	-	-	-	-	-	-	-	-
			1400	55.1	-	-	-	-	-	-	-	-	-	PT214	1508	1190
			1600	63	-	-	-	-	-	-	-	-	-	-	-	-
			1800	70.9	-	-	-	-	-	-	-	-	-	-	-	-
			2000	78.7	-	-	-	-	-	-	-	-	-	PT220	2153	1699
			2400	94.5	-	-	-	-	-	-	-	-	-	PT224	2584	2039
300mm - 12 inches			400	15.7	-	-	-	-	-	-	-	-	-	-	-	-
			500	19.7	PS305	329	260	-	-	PD305	640	505	-	PT305	781	616
			600	23.6	-	-	-	-	-	-	-	-	-	PT306	940	742
			700	27.6	-	-	-	-	-	-	-	-	-	-	-	-
			800	31.5	PS308	526	415	-	-	PD308	1024	808	-	PT308	1252	988
			900	35.4	-	-	-	-	-	-	-	-	-	-	-	-
			1000	39.4	PS310	658	519	-	-	PD310	1280	1010	-	PT310	1567	1236
			1100	43.3	-	-	-	-	-	-	-	-	-	-	-	-
			1200	47.2	PS312	789	623	-	-	PD312	1536	1212	-	PT312	1880	1483
			1400	55.1	PS314	921	727	-	-	PD314	1792	1414	-	PT314	2193	1730
			1600	63	-	-	-	-	-	-	-	-	-	PT316	2508	1979
			1800	70.9	-	-	-	-	-	-	-	-	-	PT318	2819	2224
			2000	78.7	PS320	1316	1039	-	-	PD320	2559	2020	-	PT320	3133	2472
400mm - 16 inches			400	15.7	PS404	340	268	PH404	508	401	PD404	655	517	-	-	-
			500	19.7	PS405	424	335	PH405	636	502	PD405	820	647	PT405	1001	790
			600	23.6	PS406	508	401	PH406	763	602	PD406	983	776	PT406	1205	951
			700	27.6	PS407	593	468	PH407	889	702	PD407	1147	905	-	-	-
			800	31.5	PS408	678	535	PH408	1017	803	PD408	1310	1034	PT408	1606	1267
			900	35.4	PS409	763	602	PH409	1144	903	PD409	1475	1164	-	-	-
			1000	39.4	PS410	848	669	PH410	1271	1003	PD410	1638	1293	PT410	2008	1584
			1100	43.3	PS411 *	933	736	PH411 *	1399	1104	PD411	1802	1422	-	-	-
			1200	47.2	PS412	1017	803	PH412	1525	1204	PD412	1966	1552	PT412	2411	1902
			1400	55.1	PS414	1187	937	PH414	1779	1404	PD414	2293	1810	PT414	2811	2218
			1600	63	PS416	1357	1071	PH416	2034	1605	PD416	2621	2069	PT416	3213	2535
			1800	70.9	PS418	1525	1204	PH418	2288	1806	PD418	2950	2328	PT418	3615	2852
			2000	78.7	PS420	1695	1338	PH420	2542	2006	PD420	3276	2586	PT420	4016	3169
500mm - 20 inches			400	15.7	PS504	408	322	PH504	612	483	PD504	788	622	PT504	985	777
			500	19.7	PS505	509	402	PH505	764	603	PD505	984	777	PT505	1207	952
			600	23.6	PS506	612	483	PH506	917	724	PD506	1182	933	PT506	1447	1142
			700	27.6	PS507	713	563	PH507	1071	845	PD507	1378	1088	-	-	-
			800	31.5	PS508	816	644	PH508	1223	965	PD508	1575	1243	PT508	1930	1523
			900	35.4	PS509	917	724	PH509	1376	1086	PD509	1773	1399	-	-	-
			1000	39.4	PS510	1019	804	PH510	1529	1207	PD510	1969	1554	PT510	2413	1904
			1100	43.3	PS511	1121	885	PH511 *	1681	1327	PD511	2167	1710	-	-	-
			1200	47.2	PS512	1223	965	PH512	1835	1448	PD512	2363	1865	PT512	2896	2285
			1400	55.1	PS514	1426	1126	PH514	2140	1689	PD514	2757	2176	PT514	3379	2666
			1600	63	PS516	1631	1287	PH516	2447	1931	PD516	3151	2487	PT516	3861	3046
			1800	70.9	PS518	1835	1448	PH518	2752	2172	PD518	3545	2798	PT518	4345	3428
			2000	78.7	PS520	2039	1609	PH520	3057	2413	PD520	3938	3108	PT520	4828	3809
600mm - 24 inches			400	15.7	PS604	471	372	PH604	708	559	PD604	910	718	PT604	1114	879
			500	19.7	PS605	590	466	PH605	886	699	PD605	1136	897	PT605	1388	1095
			600	23.6	PS606	708	559	PH606	1063	839	PD606	1365	1077	PT606	1670	1318
			700	27.6	PS607	826	652	PH607	1240	979	PD607	1591	1256	-	-	-
			800	31.5	PS608	944	745	PH608	1418	1119	PD608	1818	1435	PT608	2228	1758
			900	35.4	PS609	1062	838	PH609	1595	1259	PD609	2046	1615	PT609	2498	1971
			1000	39.4	PS610	1180	931	PH610	1773	1399	PD610	2273	1794	PT610	2786	2198
			1100	43.3	PS611	1297	1024	PH611	1950	1539	PD611	2501	1974	-	-	-
			1200	47.2	PS612	1415	1117	PH612	2126	1678	PD612	2728	2153	PT612	3342	2637
			1400	55.1	PS614	1652	1304	PH614	2481	1958	PD614	3183	2512	PT614	3900	3077
			1600	63	PS616	1888	1490	PH616	2836	2238	PD616	3638	2871	PT616	4456	3516
			1800	70.9	PS618	2124	1676	PH618	3190	2518	PD618	4092	3230	PT618	5014	3956
			2000	78.7	PS620	2359	1862	PH620	3544	2797	PD620	4546	3588	PT620	5570	4395
700mm - 28 inches			400	15.7	PS704	532	420	PH704	805	635	PD704	1021	806	PT704	1246	983
			500	19.7	PS705	665	525	PH705	1034	816	PD705	1277	1008	PT705	1558	1229
			600	23.6	PS706	798	630	PH706	1241	979	PD706	1533	1210	PT706	1868	1474
			700	27.6	PS707	930	734	PH707	1447	1142	PD707	1788	1411	-	-	-
			800	31.5	PS708	1063	839	PH708	1654	1306	PD708	2044	1613	PT708	2490	1965
			900	35.4	PS709	1196	944	PH709	1861	1469	PD709	2298	1814	-	-	-
			1000	39.4	PS710	1329	1049	PH710	2068	1632	PD710	2554	2016	PT710	3114	2457
			1100	43.3	PS711 *	1462	1154	-	-	-	PD711 *	2810	2218	-	-	-
			1200	47.2	PS712	1595	1259	PH712	2481	1958	PD712	3065	2419	-	-	-
			1400	55.1	PS714	1861	1469	-	-	-	PD714	3575	2822	-	-	-
			1600	63	-	-	-	-	-	-	-	-	-	-	-	-
			1800	70.9	-	-	-	-	-	-	-	-	-	-	-	-
			2000	78.7	-	-	-	-	-	-	-	-	-	-	-	-
900mm - 36 inches			400	15.7	PS904	637	503	-	-	-	PD904	1220	963	PT904	1482	1169
			500	19.7	PS905	797	629	-	-	-	PD905	1524	1203	PT905	1852	1461
			600	23.6	PS906	957	755	-	-	-	PD906	1830	1444	PT906	2222	1753
			700	27.6	PS907	1116	881	-	-	-	PD907	2135	1685	-	-	-
			800	31.5	-	-	-	-	-	-	-	-	-	PT908	2962	2337
			900	35.4	-	-	-	-	-	-	-	-	-	-	-	-
			1000	39.4	-	-	-	-	-	-	-	-	-	PT910	3703	2922
			1100	43.3	-	-	-	-	-	-	-	-	-	-	-	-
			1200	47.2	-	-	-	-	-	-	-	-	-	-	-	-
			1400	55.1	-	-	-	-	-	-	-	-	-	-	-	-
			1600	63	-	-	-	-	-	-	-	-	-	-	-	-
			1800	70.9	-	-	-	-	-	-	-	-	-	-	-	-
			2000	78.7	-	-	-	-	-	-	-	-	-	-	-	-

concept ultra 5000

quality horizontal flat panel
high output radiators

First impressions are important.

The good looks, superb finish, exceptional
build quality and heating performance of the
concept ultra 5000 range of slim

flat-front radiators from **Sensotherm**, offer
a sensibly priced, modern designer radiator
giving efficient and economical

heat with style.



innovation gives you freedom . . .

The style of the Sensotherm Concept Ultra 5000 range breaks with convention to bring a fresh approach to incorporating radiators into any project, allowing architects, builders, consulting and heating engineers, the freedom to create heating solutions that harmonise with their designs.

Essential features of the radiators are unobtrusive, slim attractive appearance with integral factory-fitted grilles and side panels and a smooth flat front panel.

Following meticulous engineering and preparation all radiators are subject to a two part coating process that applies an extremely hard and durable white (RAL 9016) epoxy-polyester finish.

This results in a radiator with an ultra-smooth finish and no rough edges or sharp corners. If required subsequently radiators can be painted or decorated to combine with specific decor requirements.

making the right choice . . .

Sensotherm Concept Ultra 5000 radiators are offered in single, double and triple panel designs in seven heights - 200mm, 300mm, 400mm, 500mm, 600mm, 700mm, 900mm and in lengths up to 2000mm.

With around 165 options to choose from, you are sure to find exactly the right radiator size for your needs, no matter what size or shape of area - be it small room or an open plan office.

vertical radiators . . .

Concept Ultra 5000 is also available in single and double panel vertical models, 1200, 1400, 1600, 1800 and 2000mm high, in 6 widths 200 - 700mm. See separate sales leaflet.

temperature table

The outputs quoted in this leaflet are based on mean water temperature in the radiator of 80°C and room temperature 20°C at Δt 60°C and 70°C and room temperature 20°C at Δt 50°C
For other operating conditions apply factors shown in the tables below, at Δt 60°C figures.

5°C	0.046	20°C	0.256	35°C	0.512	50°C	0.789	65°C	1.104
10°C	0.108	25°C	0.338	40°C	0.605	55°C	0.898	70°C	1.211
15°C	0.179	30°C	0.432	45°C	0.700	60°C	1.000	75°C	1.319

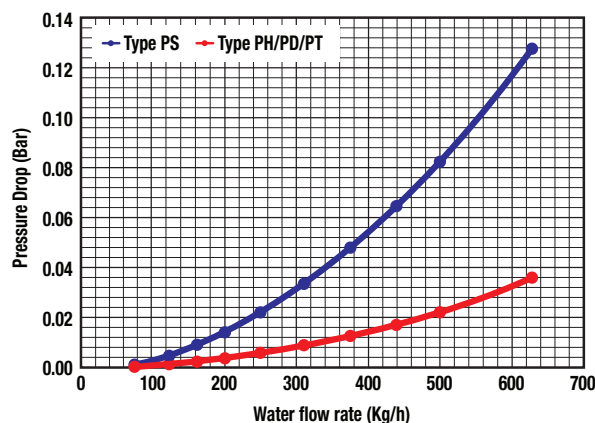
experience the benefits

- Latest technology design & construction to BS 1449 Part 1.
- Manufactured from 1.2mm cold rolled steel.
- Suitable for domestic and commercial applications.
- New build & refurbishment.
- Modern slim-line appearance.
- Fast, economical performance.
- Pressure tested to 188 psi/13bar.
- Supplied ready to install.
- Fast delivery from our own central UK warehouse.
- Easy installation.
- Comprehensive technical support 'Hotline' with a nationwide sales force.
- 165 size and output options.
- Integral grilles with side panels as standard.
- Single & double panel designs.
- Wide range of heights & lengths.
- Six 1/2" BSP tappings giving extra connection options.
- 10 Year guarantee, against failure due to material or manufacture defect.
- Outputs to BS EN 442.



concept ultra 5000 technical information

First impressions are important. The good looks, superb finish, exceptional build quality and heating performance of the **concept ultra 5000** range of slim flat-front radiators from **Sensotherm**, offer a sensibly priced, modern designer radiator giving efficient and economical **heat with style**.



Testing & operating pressure.

All radiators are pressure tested to 188 psi/13 bar. They are designed to work at a maximum pressure of 145 psi/10 bar and a maximum temperature of 120°C.

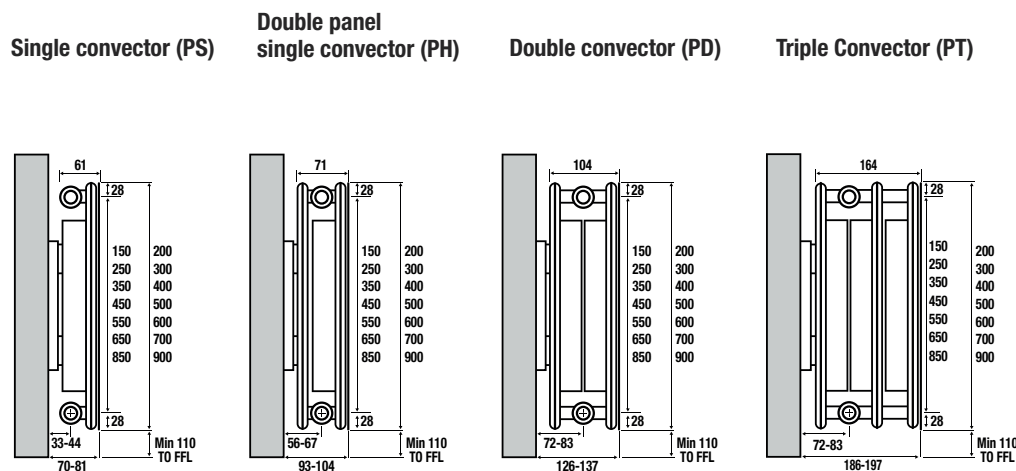
Connections.

Each radiator offers six tapings in 1/2" BSP.

Water Treatment.

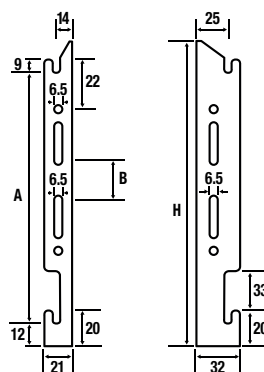
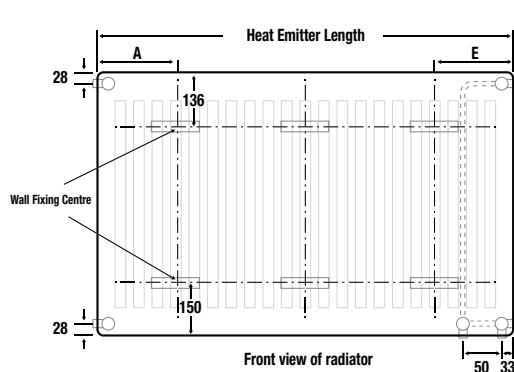
Following installation systems should be flushed and filled in accordance with BS 7593 Code of Practice for the treatment of water in Hot Water central heating systems.

It is essential to carry out the procedures laid down in this standard to ensure that any residual contaminants and foreign bodies that might damage the system are removed. The use of corrosion inhibitors to enhance longevity of the system should be subject to manufacturer's instructions and conditions of use. It is particularly important that the fluid used is compatible with the materials employed in the installation.



dimensions

Ensure 'A' dimension remains on the left of the emitter, and the 'E' dimension on the right as illustrated.



View from front - Wall fixing centres						
Heat Emitter	Single Rad (SF)		Double Rad (HF & DF)		Triple Rad (TF)	
	L/H	R/H	L/H	R/H	L/H	R/H
	A	E	A	E	A	E
300H	125	105	110	93	110	93
400H	125	105	110	93	110	93
500H	125	105	110	93	110	93
600H	125	105	110	93	110	93
700H	125	105	110	93	110	93
900H	125	105	110	93	110	93

Wall bracket dimensions			
	H	A	B
200	185	155	
300	285	255	90
400	385	355	190
500	485	455	290
600	585	555	390
700	685	655	490
900	785	755	590

Sensotherm
heat with style

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