



concept ultra 2000

quality high heat output

steel panel

radiators

**Senso
therm**
heat with style

concept ultra 2000

quality high heat output steel
panel radiators **the benefits ...**

high output ...

Designed for efficiency and style, Sensotherm radiators are manufactured using state-of-the-art production technology. The unrivalled output level will maximise the potential of any heating system, and is certified to BS EN442: 1997.

full range ...

The 2000 range is one of the most comprehensive on the market today. With a choice of single, double and triple convector radiators in lengths from 400mm - 3000mm, and heights 200mm, 300mm, 400mm, 500mm, 600mm, 700mm and 900mm there is a sensotherm radiator for nearly every application.

10 year guarantee ...

The radiators are manufactured under BS EN ISO 9000 quality system. This, coupled with the newly-developed surface sealing methods and quality testing in the most gruelling conditions, means that each radiator comes with a 10 year guarantee against any defects caused by faulty materials or manufacture.

quality paint finish ...

The radiators are finished in a superb white enamel (RAL 9016). Each radiator is de-greased and electrostatically powder coated with epoxy polyester stove enamel over an application of water based primer. Then oven baked to a hard wearing gloss finish.

easy installation ...

Everything you need for easy installation is included with the radiator, and sealed in protective packaging. The installation kit includes concealed brackets and a 1/2" self jointing airvent and plugs

factory fitted top & side panels...

All radiators are complete with factory fitted top and side panels.

packaging ...

All radiators are supplied in strong protective packaging with reinforced cardboard edges. The radiators are bubble wrapped, and then shrink wrapped with strong polystyrene. The radiators can be installed fully wrapped to minimise installation and site damage.

the sensotherm service commitment

...

We support our quality products with a quality service. Our centrally



OUTPUTS

The outputs quoted in this leaflet are based on a mean water temperature in the radiator of 80°C and a room temperature of 20°C (Delta T 60°C), or a mean water temperature of 70°C and a room temperature of 20°C (Delta T 50°C)

For other operating conditions apply the factors shown in the Delta T Factor Table below

(Applies to Delta T60°C output only)

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



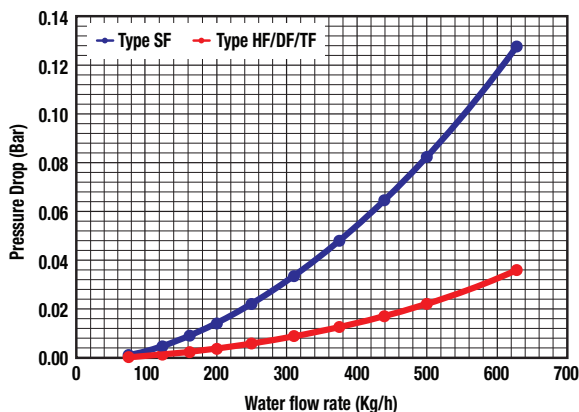
WATER TREATMENT - IMPORTANT

It is strongly recommended on completion of the installation the system should be properly flushed and filled in accordance with the British Standard Code of Practice for the Treatment of Water in Hot Water Central heating Systems BS 7593.

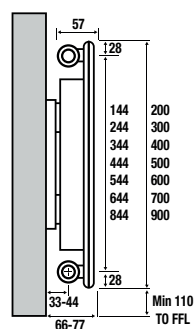
			SINGLE CONVECTOR			DOUBLE PANEL SINGLE CONVECTOR			DOUBLE CONVECTOR			TRIPLE CONVECTOR		
Height			Length mm	Length Inches	Code	Output Watts △160°C	Output Watts △150°C	Code	Output Watts △160°C	Output Watts △150°C	Code	Output Watts △160°C	Output Watts △150°C	
200mm - 8 inches			400	15.7	-	-	-	-	-	-	-	-	-	
			500	19.7	-	-	-	-	-	-	-	-	-	
			600	23.6	-	-	-	-	-	-	-	-	-	
			700	27.6	-	-	-	-	-	-	-	-	-	
			800	31.5	-	-	-	-	-	-	-	-	-	
			900	35.4	-	-	-	-	-	-	-	-	-	
			1000	39.4	-	-	-	-	-	-	-	-	-	
			1100	43.3	-	-	-	-	-	-	-	-	-	
			1200	47.2	-	-	-	-	-	-	-	-	-	
			1300	51.2	-	-	-	-	-	-	-	-	-	
			1400	55.1	-	-	-	-	-	-	-	-	-	
			1600	63	-	-	-	-	-	-	-	-	-	
			1800	70.9	-	-	-	-	-	-	-	-	-	
			2000	78.7	-	-	-	-	-	-	-	-	-	
			2200	86.6	-	-	-	-	-	-	-	-	-	
			2400	94.5	-	-	-	-	-	-	-	-	-	
			2700	106.3	-	-	-	-	-	-	-	-	-	
			3000	118.1	-	-	-	-	-	-	-	-	-	
300mm - 12 inches			400	15.7	SF304	271	216	-	-	-	DF304	528	421	
			500	19.7	SF305	339	271	-	-	-	DF305	660	526	
			600	23.6	SF306	407	325	-	-	-	DF306	791	631	
			700	27.6	SF307	475	379	-	-	-	DF307	923	736	
			800	31.5	SF308	542	433	-	-	-	DF308	1055	842	
			900	35.4	SF309	610	487	HF309	924	738	DF309	1187	947	
			1000	39.4	SF310	678	541	HF310	1027	820	DF310	1319	1052	
			1100	43.3	SF311	746	595	-	-	-	DF311	1451	1157	
			1200	47.2	SF312	814	649	HF312	1232	984	DF312	1583	1262	
			1300	51.2	SF313*	881	703	HF313*	1335	1066	DF313*	1715	1368	
			1400	55.1	SF314	949	757	HF314	1438	1148	DF314	1847	1473	
			1600	63	SF316	1085	866	HF316	1643	1312	DF316	2110	1683	
			1800	70.9	SF318	1220	974	HF318	1849	1476	DF318	2374	1894	
			2000	78.7	SF320	1356	1082	-	-	-	DF320	2638	2104	
			2200	86.6	SF322	1492	1190	-	-	-	DF322	2902	2314	
			2400	94.5	SF324	1627	1298	-	-	-	DF324	3166	2525	
			2700	106.3	SF327	1831	1461	-	-	-	DF327	3561	2840	
			3000	118.1	SF330	2034	1623	-	-	-	DF330	3957	3156	
400mm - 16 inches			400	15.7	SF404	350	279	HF404	524	418	DF404	675	539	
			500	19.7	SF405	437	349	HF405	655	523	DF405	844	674	
			600	23.6	SF406	524	418	HF406	785	627	DF406	1013	808	
			700	27.6	SF407	612	488	HF407	916	732	DF407	1182	943	
			800	31.5	SF408	699	558	HF408	1047	836	DF408	1350	1078	
			900	35.4	SF409	787	627	HF409	1178	941	DF409	1519	1212	
			1000	39.4	SF410	874	697	HF410	1309	1045	DF410	1688	1347	
			1100	43.3	SF411	961	767	HF411	1440	1150	DF411	1857	1482	
			1200	47.2	SF412	1049	836	HF412	1571	1254	DF412	2026	1616	
			1300	51.2	SF413	1136	906	HF413	1702	1359	DF413	2194	1751	
			1400	55.1	SF414	1224	976	HF414	1833	1463	DF414	2363	1886	
			1600	63	SF416	1398	1115	HF416	2094	1672	DF416	2701	2155	
			1800	70.9	SF418	1573	1255	HF418	2356	1881	DF418	3038	2425	
			2000	78.7	SF420	1748	1394	HF420	2618	2090	DF420	3376	2694	
			2200	86.6	SF422	1923	1533	HF422	2880	2299	DF422	3714	2963	
			2400	94.5	SF424	2098	1673	HF424	3142	2508	DF424	4051	3233	
			2700	106.3	SF427	2360	1882	-	-	-	DF427	4558	3637	
			3000	118.1	SF430	2622	2091	-	-	-	DF430	5064	4041	
500mm - 20 inches			400	15.7	SF504	420	335	HF504	630	503	DF504	811	648	
			500	19.7	SF505	525	419	HF505	788	629	DF505	1014	810	
			600	23.6	SF506	630	503	HF506	945	754	DF506	1217	971	
			700	27.6	SF507	735	587	HF507	1103	880	DF507	1420	1133	
			800	31.5	SF508	840	670	HF508	1260	1006	DF508	1622	1295	
			900	35.4	SF509	945	754	HF509	1418	1131	DF509	1825	1457	
			1000	39.4	SF510	1050	838	HF510	1575	1257	DF510	2028	1619	
			1100	43.3	SF511	1155	922	HF511	1733	1383	DF511	2231	1781	
			1200	47.2	SF512	1260	1006	HF512	1890	1506	DF512	2434	1943	
			1300	51.2	SF513	1365	1089	HF513	2048	1634	DF513	2636	2105	
			1400	55.1	SF514	1470	1173	HF514	2205	1760	DF514	2839	2267	
			1600	63	SF516	1680	1341	HF516	2520	2011	DF516	3245	2590	
			1800	70.9	SF518	1890	1508	HF518	2835	2263	DF518	3650	2914	
			2000	78.7	SF520	2100	1676	HF520	3150	2514	DF520	4056	3238	
			2200	86.6	SF522	2310	1844	HF522	3465	2765	DF522	4462	3562	
			2400	94.5	SF524	2520	2011	HF524	3780	3017	DF524	4867	3886	
			2700	106.3	SF527	2835	2263	-	-	-	DF527	5476	4371	
			3000	118.1	SF530	3150	2514	-	-	-	DF530	6084	4857	
600mm - 24 inches			400	15.7	SF604	486	388	HF604	730	583	DF604	937	748	
			500	19.7	SF605	608	485	HF605	913	729	DF605	1171	935	
			600	23.6	SF606	730	582	HF606	1096	874	DF606	1405	1121	
			700	27.6	SF607	851	679	HF607	1278	1020	DF607	1639	1308	
			800	31.5	SF608	973	776	HF608	1461	1166	DF608	1874	1495	
			900	35.4	SF609	1094	873	HF609	1643	1311	DF609	2108	1682	
			1000	39.4	SF610	1216	970	HF610	1826	1457	DF610	2342	1869	
			1100	43.3	SF611	1338	1067	HF611	2009	1603	DF611	2576	2056	
			1200	47.2	SF612	1459	1164	HF612	2191	1748	DF612	2810	2243	
			1300	51.2	SF613	1581	1261	HF613	2374	1894	DF613	3045	2430	
			1400	55.1	SF614	1702	1358	HF614	2556	2040	DF614	3279	2617	
			1600	63	SF616	1946	1552	HF616	2922	2331	DF616	3747	2990	
			1800	70.9	SF618	2189	1746	HF618	3287	2623	DF618	4216	3364	
			2000	78.7	SF620	2432	1940	HF620	3652	2914	DF620	4684	3738	
			2200	86.6	SF622	2675	2134	HF622	4017	3205	DF622	5152	4112	
			2400	94.5	SF624	2918	2328	HF624	4382	3497	DF624	5621	4486	
			2700	106.3	SF627	3283	2619	-	-	-	DF627	6323	5046	
			3000	118.1	SF630	3648	2910	-	-	-	DF630	7026	5607	
700mm - 28 inches			400	15.7	SF704	548	437	HF704	826	659	DF704	1053	840	
			500	19.7	SF705	685	547	HF705	1032	824	DF705	1316	1050	
			600	23.6	SF706	822	656	HF706	1238	988	DF706	1579	1260	
			700	27.6	SF707	959	765	HF707	144707					

concept ultra 2000 technical information

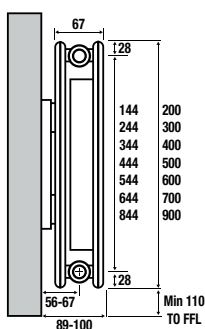
First impressions are important. The good looks, superb finish, exceptional build quality and heating performance of the **concept ultra 2000** range of radiators from **Sensotherm**, offer a sensibly priced, modern radiator giving efficient and economical **heat with style**.



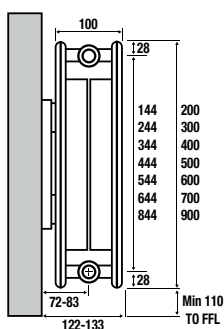
Single convector



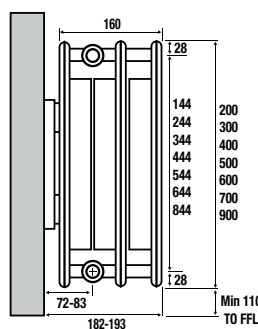
Double panel single convector



Double convector

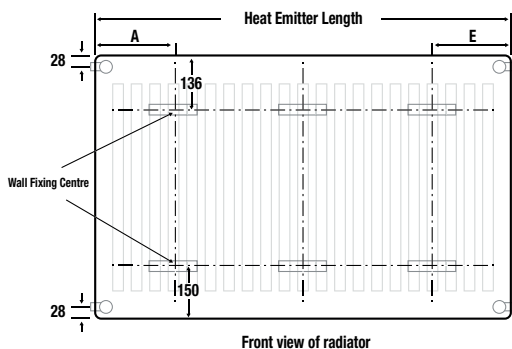


Triple Convector



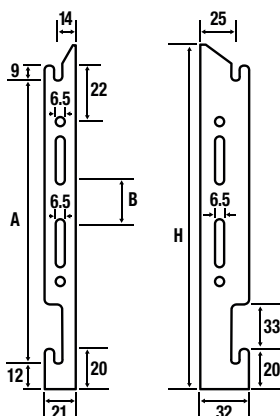
dimensions

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						
	Single Rad (SF)		Double Rad (HF & DF)		Triple Rad (TF)	
	L/H	R/H	L/H	R/H	L/H	R/H
Heat Emitter	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

Length (mm)	Row of Hangers
400	2
500	2
600	2
700	2
800	2
900	2
1000	2
1100	2
1200	2
1400	2
1600	2
1800	3
2000	3
2200	3
2400	3
2600	3
2700	3
2800	3
3000	3



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

Material.

Sensotherm panel radiators are manufactured from 1.2mm cold rolled steel, conforming to EN442-1.

Tappings.

All radiators are supplied with four 15mm (1/2" BSP) standard tappings.

Operating pressures.

The standard final pressure test of 13 bar (188 PSI) allows an operating pressure of maximum 10 bar (145 PSI) for use with both open and closed indirect systems only.

Installation.

For maximum efficiency, radiators should be fixed at not less than 100mm (4") from finished floor level.

Certified quality.

Concept Ultra 2000 radiators have been awarded the BSI Kitemark certification and perform outstandingly with consistently high heat outputs.

Guaranteed quality.

We are so confident in the quality and performance of our products that each one comes with a 10 year guarantee against failure due to manufacture or material defect.



Sensotherm
heat with style

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