SENSOHEAT RADIATORS UK



Concept 5000 Steel Panel Radiators

2026 VERSION

HNL
Hurlstones Northern Ltd
Technical Agents and Distributors of HVAC and Public Health Equipment

Concept 5000 Steel Panel Radiators

Quality Horizontal and Vertical Flat Panel High Output Radiators, with smooth designer good looks and superb finish. Built to an exceptional quality, they are the ideal choice for any modern living room or office.



Comprehensive Range

The Concept 5000 is available in Horizontal and Vertical styles, with a wide range of sizes, ensuring you will be able to find exactly the right radiator for your needs, regardless of the room shape or size.

We have 4 types of radiator in the range: Single Convector, Double Panel / Single Convector, Double Convector and Triple Convector (Horizontal Only).

All Radiators come with integral grilles and side panels.

Benefits

- Latest Technology design and construction to BS 1449 part 1
- Manufactured from 1.2mm cold rolled steel
- Suitable for both domestic and Commercial applications
- Perfect for New Builds or Refurbishments
- Modern, Smooth Designer Slim-Line appearance
- Efficient and Economical performance
- Supplied ready and easy to install
- 10 Year Warranty

Concept 5000 Horizontal Technical Information

		SF = Single Convector			HF = Double Panel / Single Convector			DF = Double Convector			TF = Triple Convector		
Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
200	600	-	-	-	-	-	-	-	-	-	-	-	-
	800	-	-	-	-	-	-	-	-	-	-	-	-
	1000	-	-	-	-	-	-	-	-	-	-	-	-
	1400	-	-	-	-	-	-	-	-	-	-	-	-
	2200	-	-	-	-	-	-	-	-	-	-	-	-
	2400	-	-	-	-	-	-	-	-	-	-	-	-
300	500	PS305	260	326	-	-	-	PD305	505	633	-	-	-
	600	-	-	-	-	-	-	-	-	-	-	-	-
	800	PS308	415	520	-	-	-	PD308	808	1013	-	-	-
	1000	PS310	519	650	-	-	-	PD310	1010	1266	-	-	-
	1200	PS312	623	781	-	-	-	PD312	1212	1519	-	-	-
	1400	PS314	727	911	-	-	-	PD34	1414	1772	-	-	-
	1600	-	-	-	-	-	-	-	-	-	-	-	-
	1800	-	-	-	-	-	-	PD318	1818	2278	-	-	-
	2000	PS320	1039	1302	-	-	-	PD320	2020	2531	-	-	-
400	400	PS404	268	336	PH404	401	503	PD404	517	648	-	-	-
	500	PS405	335	419	PH405	502	628	PD405	647	810	-	-	-
	600	PS406	401	503	PH406	602	754	PD406	776	972	-	-	-
	700	PS407	468	587	PH407	702	880	PD407	905	1134	-	-	-
	800	PS408	535	671	PH408	802	1006	PD408	1034	1296	-	-	-
	900	PS409	602	755	PH409	903	1131	PD409	1164	1458	-	-	-
	1000	PS410	669	838	PH410	1003	1257	PD410	1293	1620	-	-	-
	1100	PS411	736	922	PH411	1103	1383	PD411	1422	1782	-	-	-
	1200	PS412	803	1006	PH412	1204	1508	PD412	1552	1944	-	-	-
	1400	PS414	937	1174	PH414	1404	1760	PD414	1810	2269	-	-	-
	1600	PS416	1070	1341	PH416	1605	2011	PD416	2069	2593	-	-	-
	1800	PS418	1204	1509	PH418	1805	2263	PD418	2327	2917	-	-	-
	2000	PS420	1338	1677	PH420	2006	2514	PD420	2586	3241	-	-	-
500	400	PS504	322	403	PH504	483	605	PD504	622	779	-	-	-
	500	PS505	402	504	PH505	604	756	PD505	777	974	-	-	-
	600	PS506	482	605	PH506	724	908	PD506	932	1168	-	-	-
	700	PS507	563	705	PH507	845	1059	PD507	1088	1363	-	-	-
	800	PS508	643	806	PH508	966	1210	PD508	1243	1558	-	-	-
	900	PS509	724	907	PH509	1086	1361	PD509	1399	1753	-	-	-
	1000	PS510	804	1008	PH510	1207	1513	PD510	1554	1947	-	-	-
	1100	PS511	884	1108	PH511	1328	1664	PD511	1709	2142	-	-	-
	1200	PS512	965	1209	PH512	1448	1815	PD512	1865	2337	-	-	-
	1400	PS514	1126	1411	PH514	1690	2118	PD514	2176	2726	-	-	-
	1600	PS516	1286	1612	PH516	1931	2420	PD516	2486	3116	-	-	-
	1800	PS518	1447	1814	PH518	2173	2723	PD518	2767	3505	-	-	-
	2000	PS520	1608	2015	PH520	2414	3025	PD520	3108	3895	-	-	-

All Outputs are quoted in Watts.

Codes in red indicate special order items.



Are you going to need Valve Kits too?

Contact us for recommendations relating to the pipework being used.

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Concept 5000 Horizontal Technical Information

		SF = Single Convector			HF = Double Panel / Single Convector			DF = Double Convector			TF = Triple Convector		
Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
600	400	PS604	372	467	PH604	560	701	PD604	718	899	-	-	-
	500	PS605	466	583	PH605	700	877	PD605	897	1124	-	-	-
	600	PS606	559	700	PH606	839	1052	PD606	1076	1349	-	-	-
	700	PS607	652	817	PH607	979	1227	PD607	1256	1574	-	-	-
	800	PS608	745	933	PH608	1119	1403	PD608	1435	1799	-	-	-
	900	PS609	838	1050	PH609	1259	1578	PD609	1615	2023	-	-	-
	1000	PS610	931	1167	PH610	1399	1753	PD610	1794	2248	-	-	-
	1100	PS611	1024	1283	PH611	1539	1929	PD611	1973	2473	-	-	-
	1200	PS612	1117	1400	PH612	1679	2104	PD612	2153	2698	-	-	-
	1400	PS614	1303	1633	PH614	1959	2454	PD614	2512	3148	-	-	-
	1600	PS616	1490	1867	PH616	2238	2805	PD616	2870	3597	-	-	-
	1800	PS618	1676	2100	PH618	2518	3156	PD618	3229	4047	-	-	-
	2000	PS620	1862	2333	PH620	2798	3506	PD620	3588	4496	-	-	-
700	400	PS704	420	526	PH704	653	818	PD704	806	1011	-	-	-
	500	PS705	525	657	PH705	816	1023	PD705	1008	1263	-	-	-
	600	PS706	629	789	PH706	979	1227	PD706	1210	1516	-	-	-
	700	PS707	734	920	PH707	1142	1432	PD707	1411	1768	-	-	-
	800	PS708	839	1052	PH708	1306	1636	PD708	1613	2021	-	-	-
	900	PS709	944	1183	PH709	1469	1841	PD709	1814	2274	-	-	-
	1000	PS710	1049	1315	PH710	1632	2045	PD710	2016	2526	-	-	-
	1100	PS711	1154	1446	-	-	-	PD711	2218	2779	-	-	-
	1200	PS712	1259	1578	PH712	1958	2454	PD712	2419	3032	-	-	-
	1400	PS714	1469	1840	-	-	-	PD714	2822	3537	-	-	-
900	400	PS904	503	631	-	-	-	PD904	963	1207	-	-	-
	500	PS905	629	788	-	-	-	PD905	1203	1508	-	-	-
	600	PS906	755	946	-	-	-	PD906	1444	1810	-	-	-
	700	PS907	881	1104	-	-	-	PD907	1685	2112	-	-	-
	800	-	-	-	-	-	-	-	-	-	-	-	-
	1000	-	-	-	-	-	-	-	-	-	-	-	-

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Concept 5000 Vertical Technical Information



		SF = Single Convector			HF = Double Panel / Single Convector			DF = Double Convector		
Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
1200	200	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	-
	600	-	-	-	-	-	-	-	-	-
	700	-	-	-	-	-	-	-	-	-
	900	-	-	-	-	-	-	-	-	-

Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
1400	200	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	-	-	-
	400	-	-	-	-	-	-	-	-	-
	500	-	-	-	-	-	-	-	-	-
	600	-	-	-	-	-	-	-	-	-
	700	-	-	-	-	-	-	-	-	-
	900	-	-	-	-	-	-	-	-	-

Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
1600	200	-	-	-	-	-	-	-	-	-
	300	**VPS316**	497	630	-	-	-	**VPD316**	1116	1415
	400	**VPS416**	616	781	**VPH416**	1088	1380	**VPD416**	1422	1803
	500	**VPS516**	738	936	-	-	-	**VPD516**	1728	2191
	600	**VPS616**	860	1090	**VPH616**	1554	1970	**VPD616**	2034	2579
	700	-	-	-	-	-	-	**VPD716**	2373	3009
	900	-	-	-	-	-	-	-	-	-

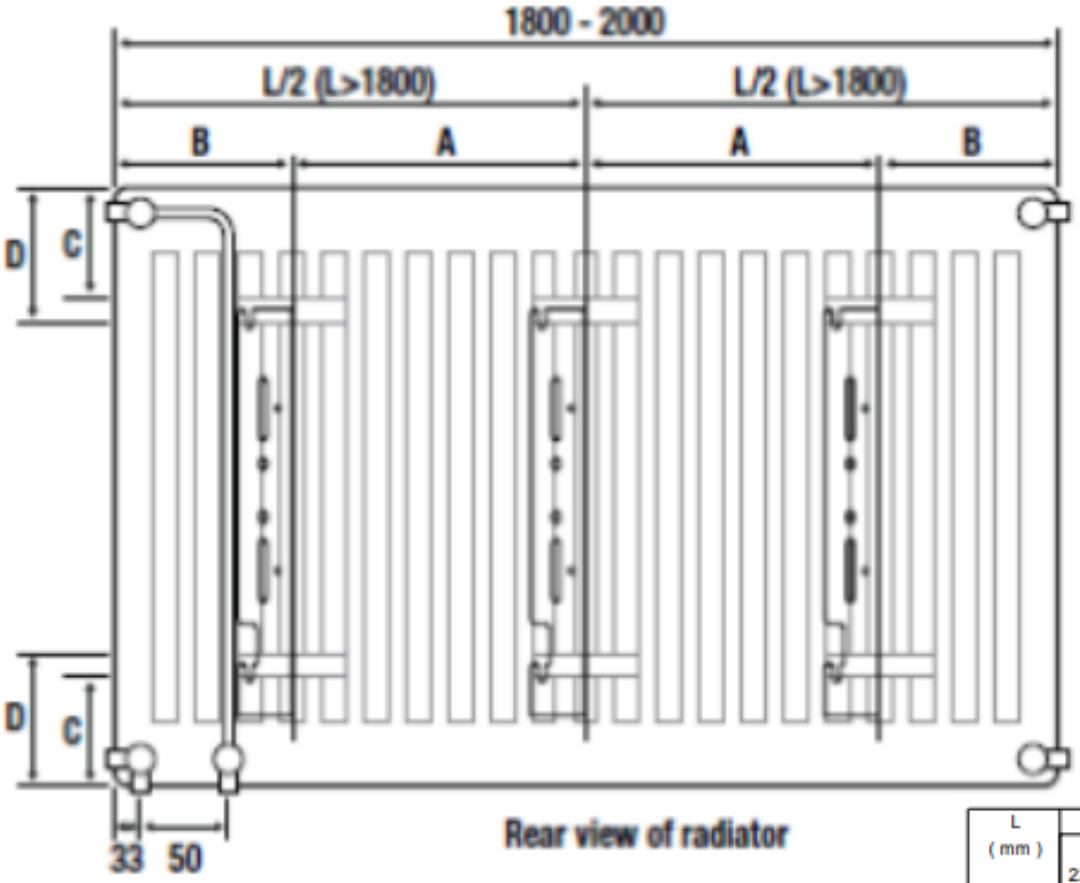
Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
1800	200	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	**VPD318**	1167	1480
	400	**VPS418**	670	850	**VPH418**	1187	1505	-	-	-
	500	**VPS518**	806	1023	-	-	-	**VPD518**	1855	2352
	600	**VPS618**	943	1196	-	-	-	**VPD618**	2197	2786
	700	-	-	-	-	-	-	**VPD718**	2564	3251
	900	-	-	-	-	-	-	-	-	-

Height (mm)	Width (mm)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)	Sensoheat Code	Output (Δt 50°C)	Output (Δt 60°C)
2000	200	-	-	-	-	-	-	-	-	-
	300	-	-	-	-	-	-	**VPD320**	1259	1596
	400	-	-	-	-	-	-	-	-	-
	500	**VPS520**	864	1096	**VPH520**	1561	1979	**VPD520**	1999	2535
	600	-	-	-	-	-	-	**VPD620**	2370	3005
	700	-	-	-	-	-	-	**VPD720**	2765	3506
	900	-	-	-	-	-	-	-	-	-

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Rear view of radiator

L (mm)	A (mm) 21 22,33 Type	Row of Brackets
400	200	2
500	300	2
600	400	2
700	500	2
800	600	2
900	700	2
1000	800	2
1100	900	2
1200	1000	2
1400	1200	2
1600	1400	2
1800	800	3
2000	900	3
2200	1000	3
2400	1100	3
2600	1200	3
2700	1250	3
2800	1300	3
3000	1400	3

Installation

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

Tappings

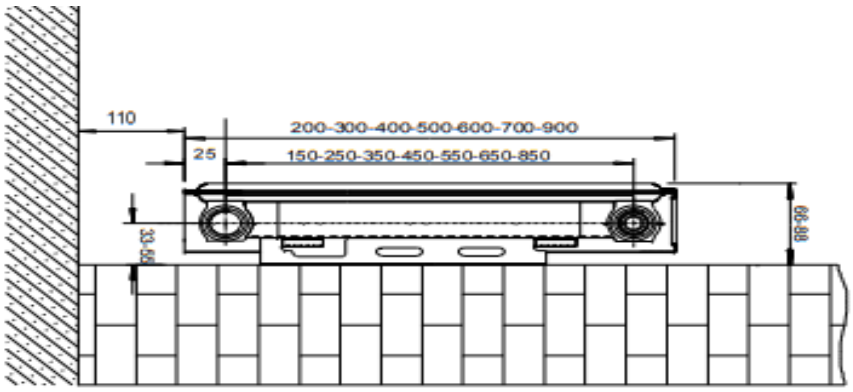
All radiators are supplied with four 15mm (1/2"BSP) standard tappings.

Operating Pressures

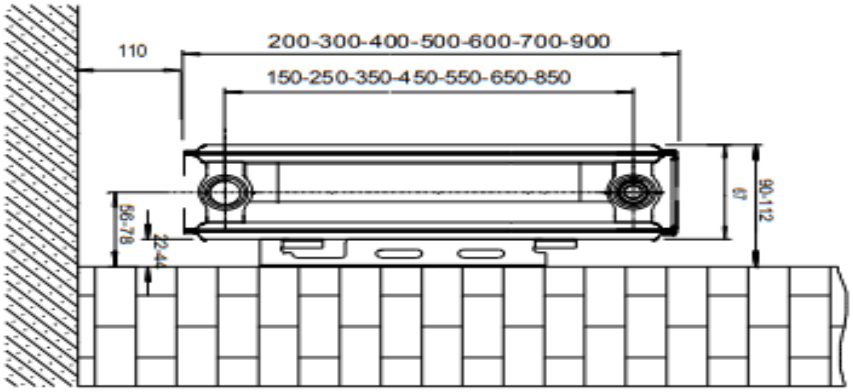
The standard final pressure test of 13bar (188PSI) allows an operating pressure of maximum 10 bar (145PSI) for use with both open and closed indirect systems only

Material

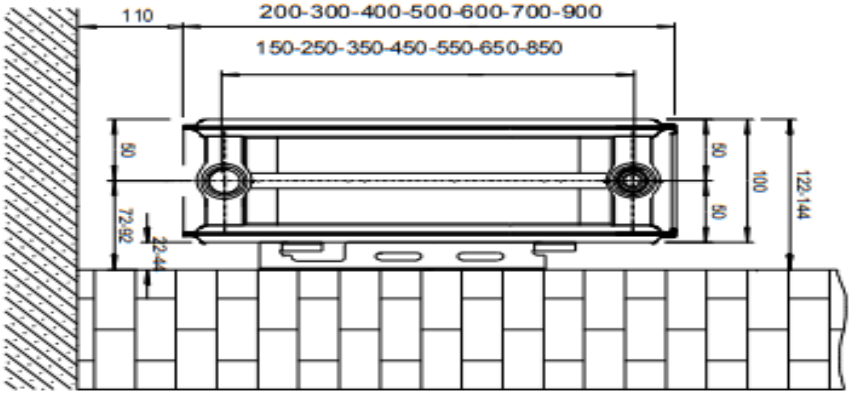
SensoHeat panel radiators are manufactured from 1.2mm cold rolled steel conforming



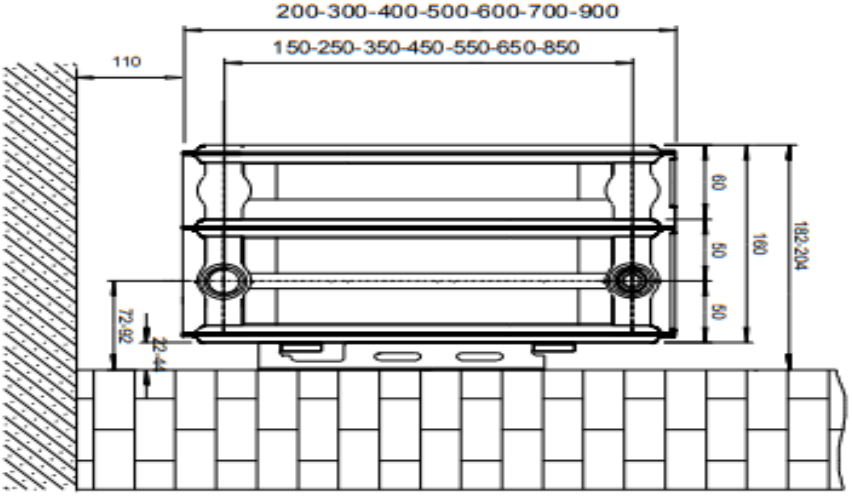
TYPE 11



TYPE 21



TYPE 22



TYPE 33

Concept 5000: Technical Specification

- Designed & constructed to BS 1449 part 1.
- Manufactured from 1.2 mm cold rolled steel.
- Modern smooth flat front finish.
- Fitted with top grille & side panels as standard.
- 10 year warranty.
- All radiators supplied with four 15mm [½" BSP] standard tappings.
- Standard final pressure test of 13 bar allows operating pressure of 10 bar.
- For maximum efficiency radiators should be fixed not less than 100mm from FFL.
- Water treatment – following installations, systems should be flushed & filled in accordance with BS7593 code of practice for the treatment in hot water central heating systems.

Outputs

The outputs quoted in this brochure are based on mean water temperature of 80°C and a room temperature of 20°C (ΔT 60°C) ***OR*** a mean water temperature of 70°C and a room temperature of 20°C (ΔT 50°C).

For all other operating conditions, apply the corrections factors below:

(apply to ΔT 60°C only).

5C°	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	0.798	75°C	1.319

SENSOHEAT RADIATORS UK

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