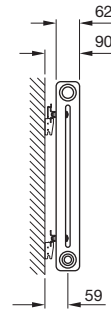
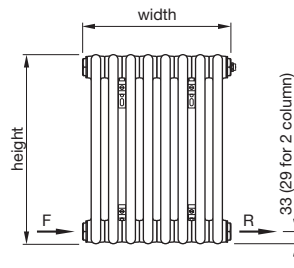
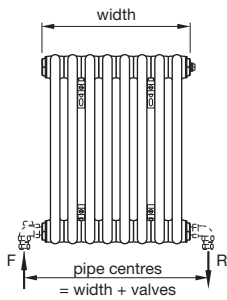


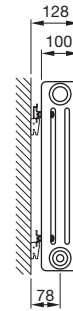
# Zehnder Charleston - horizontal

always the  
best climate

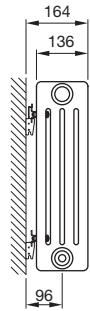
**zehnder**



2 column



3 column



4 column

All dimensions shown are in millimetres

Test pressure: **15 BAR**  
 Max working pressure: **10 BAR**  
 Max working temperature: **110° C**  
 All steel construction: **dia 25mm tubes**  
 Connections: **½ inch BSP btm opp end tapings**

Heat output determined in accordance with EN 442  
 Test Laboratory: WSP-LAB, Test Lab Registration No: 1428

**Not suitable for use on domestic hot water system**

Model	Height ± 2mm	Width ± 1.5%	Finish	Output ΔT=50K		Output ΔT=30K		n	Weight kg	Water Content litres
				Watts	Btu	Watts	Btu			
2050-10	492	486	painted	384	1310	203	693	1.25	7.31	5.0
2050-14	492	670	painted	538	1836	284	969	1.25	10.05	7.0
2050-18	492	854	painted	692	2361	365	1245	1.25	12.79	9.0
2050-22	492	1038	painted	845	2883	446	1522	1.25	15.53	11.0
2050-26	492	1222	painted	999	3409	527	1798	1.25	18.27	13.0
2060-10	592	486	painted	453	1546	239	816	1.25	8.62	6.0
2060-14	592	670	painted	634	2163	336	1146	1.25	11.89	8.4
2060-18	592	854	painted	815	2781	431	1471	1.25	15.15	10.8
2060-22	592	1038	painted	997	3402	527	1798	1.25	18.42	13.2
2060-24	592	1130	painted	1087	3709	575	1962	1.25	20.05	14.4
2060-28	592	1314	painted	1268	4327	671	2290	1.25	23.31	16.8
3050-14	500	670	painted	722	2464	377	1286	1.27	14.98	11.2
3050-18	500	854	painted	929	3170	485	1655	1.27	19.10	14.4
3050-22	500	1038	painted	1135	3873	593	2023	1.27	23.22	17.6
3050-26	500	1222	painted	1341	4576	701	2392	1.27	27.34	20.8
3050-30	500	1406	painted	1548	5282	808	2757	1.27	31.46	24.0
3060-10	600	486	painted	609	2078	319	1088	1.27	12.82	9.0
3060-14	600	670	painted	853	2911	446	1522	1.27	17.72	12.6
3060-18	600	854	painted	1096	3740	574	1959	1.27	22.63	16.2
3060-20	600	946	painted	1218	4156	638	2177	1.27	25.08	18.0
3060-24	600	1130	painted	1462	4989	765	2610	1.27	29.98	21.6
3060-27	600	1268	painted	1645	5613	861	2938	1.27	33.66	24.3
3060-30	600	1406	painted	1827	6234	957	3265	1.27	37.34	27.0
3060-34	600	1590	painted	2071	7067	1084	3699	1.27	42.24	30.6
3075-14	750	670	painted	1040	3549	546	1863	1.26	21.84	15.4
3075-22	750	1038	painted	1635	5579	858	2928	1.26	34.00	24.2
3075-26	750	1222	painted	1932	6592	1015	3463	1.26	40.08	28.6
4030-20	300	946	painted	838	2859	436	1488	1.28	18.06	14.0
4030-30	300	1406	painted	1257	4289	653	2228	1.28	26.81	21.0
4060-14	600	670	painted	1117	3811	585	1996	1.27	23.99	16.8
4060-18	600	854	painted	1437	4903	752	2566	1.27	30.69	21.6
4060-20	600	946	painted	1596	5446	835	2849	1.27	34.04	24.0
4060-24	600	1130	painted	1915	6534	1003	3422	1.27	40.73	28.8
4075-14	750	670	painted	1363	4651	716	2443	1.26	29.38	19.6
4075-18	750	854	painted	1753	5981	920	3139	1.26	37.62	25.2
4075-22	750	1038	painted	2142	7309	1125	3839	1.26	45.86	30.8
4075-26	750	1222	painted	2531	8636	1329	4535	1.26	54.09	36.4

Issue 1.0



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## Tools & Material Required

Wall plugs - 10mm  
Screws - 7mm diameter x 60mm length  
Suitable valves  
PTFE tape  
Silicone thread sealant  
Tape measure  
Allen key - 13mm & 12mm (when installing Zehnder valves)  
Spanner - 13mm & 14mm  
Socketdriver - 10mm long reach  
Electric drill  
Masonry drill bit - 10mm diameter  
Spirit level  
Stepladder

Key	Component	Qty
A	Air Vent - 1/2" (factory fitted)	1
B	Wall Plug*	4
C	Bracket	4
D	Screw - Hex Head, 7mm dia x 60mm*	4
E	Clamp Assembly	4
F	Security Clip	2

\* Wall Plugs & Screws not supplied

## Assembly Instructions

Sufficient PTFE tape must be applied to valve-tail threads prior to their installation.

Silicone thread sealant should be applied to all threaded components manufactured with 'O-rings'.

Fit valve tails, using correct size Allen key.

Accurately mark out bracket holes on wall.

Drill 10mm diameter holes in wall to a minimum depth of 65mm and insert wall plugs (B).

Attach brackets (C) to wall with screws (D) as shown and level.

Tightly fix the radiator tubes into the upper clamp assemblies (E).

Loosely fit the lower clamp assemblies (E) to the radiator.

Lift the radiator on to the wall and locate the upper clamp assemblies (E) into the slots in the upper brackets (B).

Slide the lower clamp assemblies (E) until they locate in the slots in the lower brackets (B) and tighten clamps.

Fix security clip (F) into position over upper clamps (E).

Plumb radiator to heating circuit with flow opposite air vent.

This radiator should be installed onto a central heating system that has been cleaned/flushed and contains water treatment and inhibitors in accordance with BS7593.

