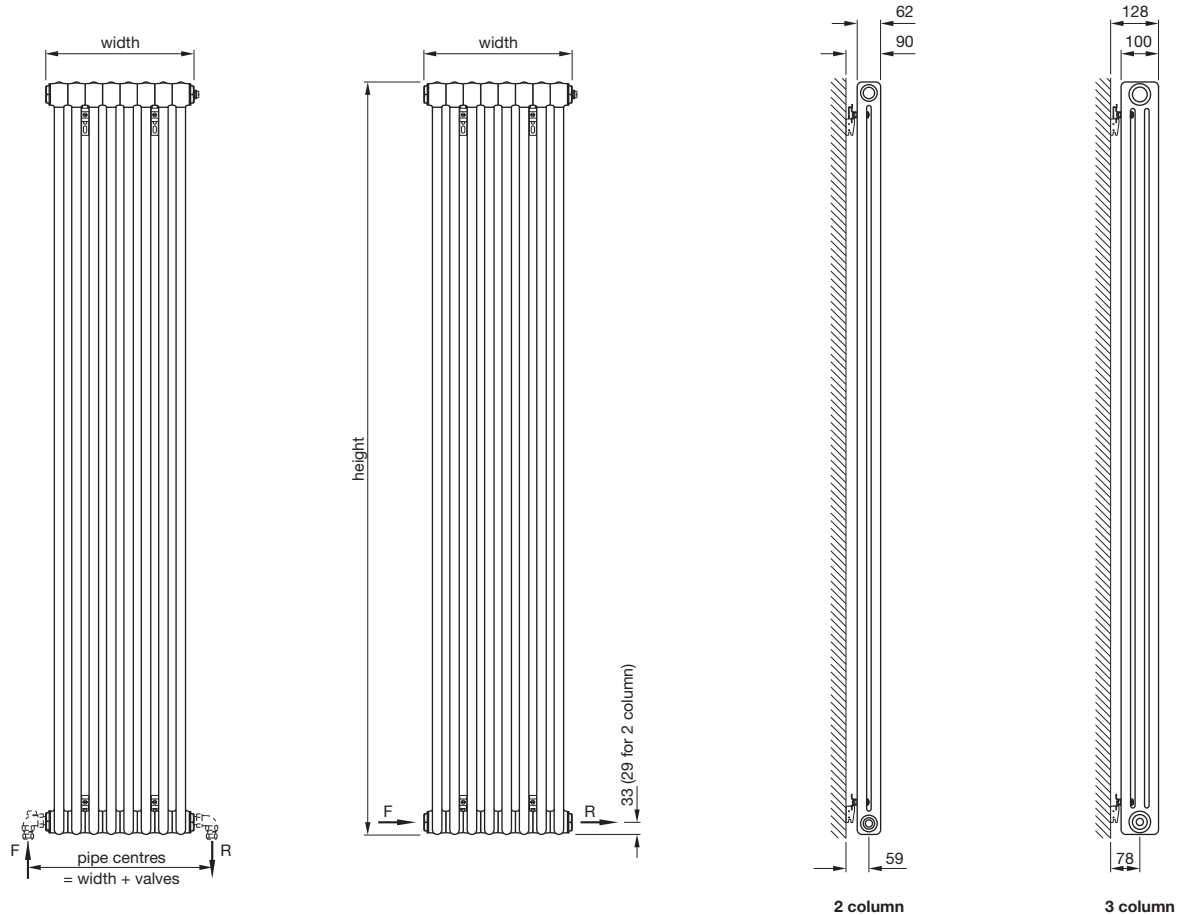


Zehnder Charleston - vertical

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zehnder



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**

Not suitable for use on domestic hot water system

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

Model	Height ± 2mm	Width ± 1.5%	Finish	Output ΔT=50K		Output ΔT=30K		n	Weight kg	Water Content litres
				Watts	Btu	Watts	Btu			
2180-6	1792	302	painted	747	2549	387	1320	1.29	14.80	9.0
2180-8	1792	394	painted	995	3395	516	1761	1.29	19.58	12.0
2180-10	1792	486	painted	1244	4245	644	2197	1.29	24.36	15.0
2180-12	1792	578	painted	1493	5094	773	2638	1.29	29.14	18.0
3180-6	1800	302	painted	994	3392	508	1733	1.32	22.02	14.4
3180-8	1800	394	painted	1325	4521	677	2310	1.32	29.17	19.2
3180-10	1800	486	painted	1656	5651	846	2887	1.32	36.33	24.0

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.

