



All dimensions shown are in millimetres

Test pressure: **13 BAR**
 Max working pressure: **10 BAR**
 Max working temperature: **120° C**
 All steel construction: **dia 23mm horizontal tubes**
30mm x 30mm headers
 Connections: **½ inch BSP underside tapplings**

Not suitable for use on domestic hot water system

Heat output determined in accordance with EN 442
 Test Laboratory: HLK Stuttgart, Test Lab Registration No: 0626

* rating for simple immersion/CTEC or CTEW in Watts

Model	Height ± 2mm	Width ± 2mm	Finish	Pipe Centres ± 2mm	Output ΔT=50K		Output ΔT=30K		n	Weight kg	Water Content litres	Max. Immersion Rating*
					Watts	Btu	Watts	Btu				
SUB-060-045	613	450	painted	50/418	310	1058	164	560	1.25	5.2	2.3	200
SUB-100-045	973	450	painted	50/418	401	1368	212	723	1.25	6.7	3.5	300
SUB-100-060	973	600	painted	50/568	499	1703	264	901	1.25	8.3	4.3	300
SUB-130-045	1261	450	painted	50/418	509	1737	269	918	1.25	8.6	4.5	300
SUB-130-060	1261	600	painted	50/568	639	2180	337	1150	1.25	10.5	5.4	400
SUB-150-045	1549	450	painted	50/418	615	2098	325	1109	1.25	10.6	5.4	400
SUB-150-060	1549	600	painted	50/568	772	2634	408	1392	1.25	12.5	7.2	500
SUB-180-045	1837	450	painted	50/418	715	2440	380	1297	1.24	12.2	6.3	500
SUB-180-060	1837	600	painted	50/568	898	3064	477	1628	1.24	14.7	7.7	600
SUBC-060-045	613	450	chrome	50/418	205	699	107	365	1.27	5.0	2.3	100
SUBC-100-045	973	450	chrome	50/418	265	904	139	474	1.27	6.5	3.5	200
SUBC-100-060	973	600	chrome	50/568	329	1123	173	590	1.26	8.1	4.3	200
SUBC-130-045	1261	450	chrome	50/418	335	1143	175	597	1.27	8.4	4.5	200
SUBC-130-060	1261	600	chrome	50/568	406	1385	213	727	1.26	10.2	5.4	300
SUBC-150-045	1549	450	chrome	50/418	420	1433	220	751	1.27	10.1	5.4	300
SUBC-150-060	1549	600	chrome	50/568	508	1733	267	911	1.26	12.3	7.2	300
SUBC-180-045	1837	450	chrome	50/418	485	1655	254	867	1.27	11.8	6.3	300
SUBC-180-060	1837	600	chrome	50/568	592	2020	311	1061	1.26	14.3	7.7	400

Issue 1.0



Tools & Material Required

Suitable valves
PTFE tape
Silicone thread sealant
Tape measure
Allen key - 13mm & 12mm (when installing Zehnder valves)
Spanner - 13mm & 14mm
Screwdriver - crosshead
Pliers
Electric drill
Masonry drill bit
Spirit level
Stepladder (for taller radiators)

Key	Component	Qty
A	Air Vent - 1/2"	1
B	Boss	4
C	Wall Plug	4
D	Bracket	4
E	Screw, 6mm dia x 50mm	4
F	Washer	4
G	Grub Screw	4
H	Allen Key	1

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.
- Fit air vent (A).
- Screw bosses (B) to studs on the back of the radiator.
- Accurately mark out bracket holes on wall using spirit level.
- Drill four holes to a minimum depth of 65mm & insert wall plugs (C).
- Attach brackets (D) to wall with screws (E) & washers (F).
- Hang radiator onto wall by inserting bosses (B) into brackets (D).
- Tighten grub screws (G) with Allen key (H).
- 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.

