



All dimensions shown are in millimetres

Test pressure: **10 BAR**  
 Max working pressure: **3 BAR**  
 Max working temperature: **95° C**  
 All steel construction: **dia 22mm x 1.5mm tubes**  
**40x30mm x 1.5mm D-shaped headers**  
 Connections: **½ inch BSP bottom opposite end tappings**

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

Model	Output* ΔT=50K Watts	Output* ΔT=60K Watts	Water Content litres	Weight kg	Height ± 2mm	Length ± 2mm	Tapping Centres ± 2mm	Fixing Centres ± 2mm
AS 150-21	408	516	2.9	8	1500	218	1470	108
AS 150-28	544	688	3.9	10	1500	290	1470	180
AS 150-36	680	860	4.8	13	1500	362	1470	252
AS 150-43	816	1032	5.8	16	1500	434	1470	324
AS 180-21	492	622	3.4	9	1800	218	1770	108
AS 180-28	656	830	4.5	12	1800	290	1770	180
AS 180-36	820	1037	5.7	15	1800	362	1770	252
AS 180-43	984	1245	6.8	18	1800	434	1770	324

Key	Component	Qty
A	Air Vent - 1/2"	1
B	Blanking Plug	1
C	Wall Plug	8
D	Bracket - lh	2
E	Bracket - rh	2
F	Screw - Csk Head, 5mm dia x 60mm	8
G	Clamp - lh	2
H	Clamp - rh	2
I	Screw - Csk Head, M6 x 35mm	4
J	Air Vent Key	1

### Tools & Material Required

- Suitable valves
- PTFE tape
- Silicone thread sealant
- Tape measure
- Allen key - 12mm (if installing Chatsworth valves)
- Adjustable spanner
- Screwdriver - crosshead
- Electric drill
- Masonry drill bit - 8mm diameter
- Spirit level
- Stepladder (for taller radiators)

### 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) & blanking plug (B).

Accurately mark out bracket holes on wall using spirit level.

Drill eight 8mm diameter holes to a minimum depth of 55mm & insert wall plugs (C).

Screw brackets (D) & (E) into wall plugs (C) with 5mm diameter x 60mm screws (F) ensuring orientation is as shown in diagram to allow clamps to be tightened from side of radiator.

Loosely assemble the clamps (G) & (H) to the brackets (D) & (E) with M6x35 csk screws (I).

Offer radiator up to wall and hang it from the top brackets.

Secure in position by tightening clamps (G) & (H) with screws (I).

Plumb radiator to heating circuit with flow opposite air vent.

