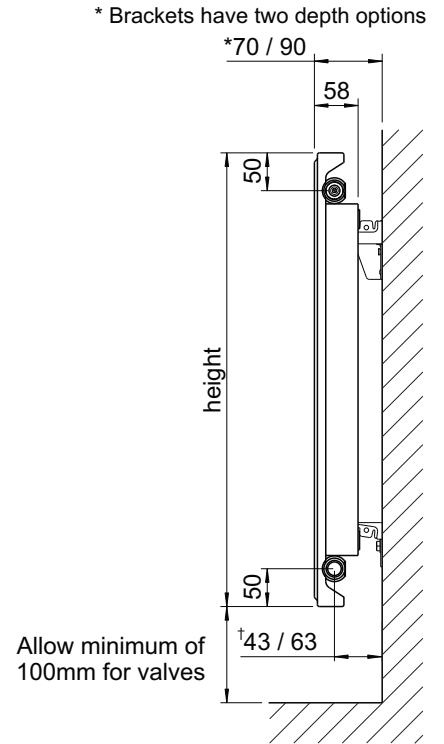


note: flow & return can be reversed if required



† Tappings are too near wall to allow Bisque angled valves to be used.

Alternatively, install the radiator on the larger bracket spacing.

All dimensions shown are in millimetres

Test pressure: **10 BAR**  
 Max working pressure: **7.7 BAR**  
 Max working temperature: **95° C**  
 All steel construction: **2mm front plate thickness**  
 Connections: **½ inch BSP opposite end tappings**

Heat output determined in accordance with EN 442

Model	Output ΔT=30K Watts	Output ΔT=50K Watts	n	Water Content litres	Weight kg	Height ± 2mm	Length ± 2mm	Tapping Centres ± 2mm	Fixing Centres ± 2mm
FP-50-80	290	583	1.37	1.0	15	500	800	n/a	440
FP-50-120	434	874	1.37	1.5	22	500	1200	n/a	840
FP-50-150	543	1093	1.37	1.9	28	500	1500	n/a	1140
FP-60-80	325	659	1.38	1.2	18	600	800	n/a	440
FP-60-120	488	989	1.38	1.8	26	600	1200	n/a	840
FP-60-150	610	1236	1.38	2.2	33	600	1500	n/a	1140

### Tools & Material Required

Suitable valves  
 PTFE tape  
 Silicone thread sealant  
 Tape measure  
 Allen key - 13mm & 12mm (when installing Bisque valves)  
 Spanner - 1/2"  
 Screwdriver - crosshead  
 Electric drill  
 Masonry drill bit - 10mm diameter  
 Spirit level

Key	Component	Qty
A	Air Vent - 1/2"	1
B	Protective Cover	1
C	Pin	1
D	Blanking Plug	1
E	Wall Plug	4
F	Bracket	2
G	Spacer	2
H	Screw - Hex Head, 7mm dia x 60mm	4
I	Washer	4
J	Air Vent 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) finger tight in upper header. Place protective cover (B) over air vent (A) and tighten using pliers. Remove protective cover (B). Insert pin (C) into hole in air vent (A) and rotate until hole is at lowest point. Remove pin (C).

Fit blanking plug (D).

Accurately mark out four bracket holes on wall using spirit level, to dimensions as shown on Technical Data Sheet.

Drill four 10mm diameter holes to a minimum depth of 60mm & insert wall plugs (E).

Attach upper brackets (F) to wall with screws (H) & washer (I).

Loosely fit lower spacer (G) to wall with screws (H) & washer (I).

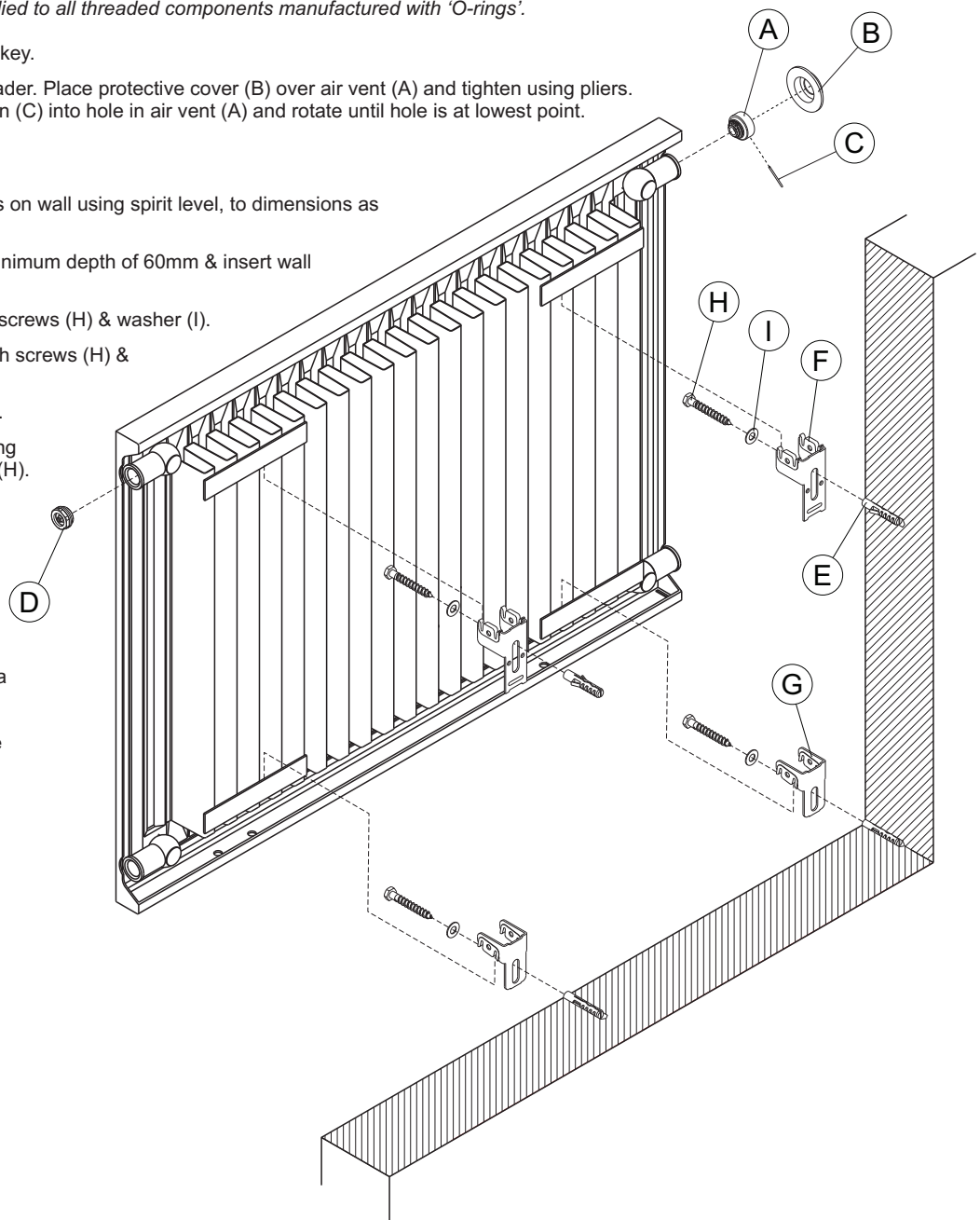
Hang radiator onto upper brackets (F).

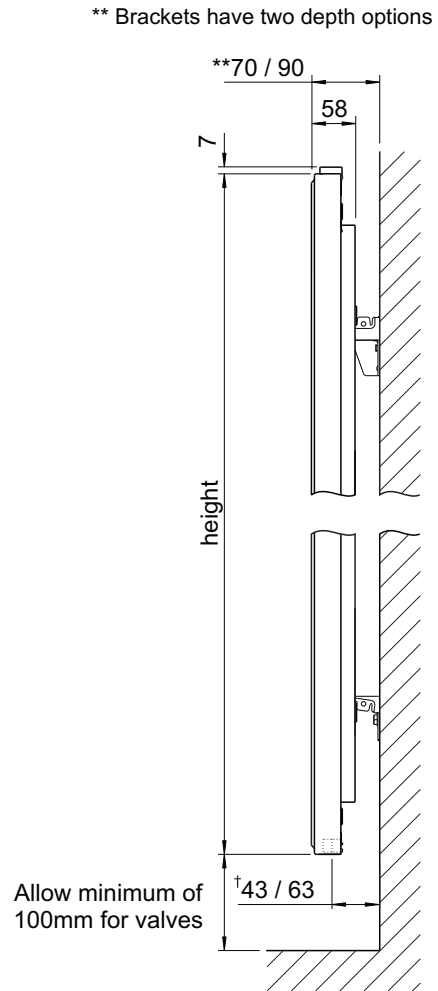
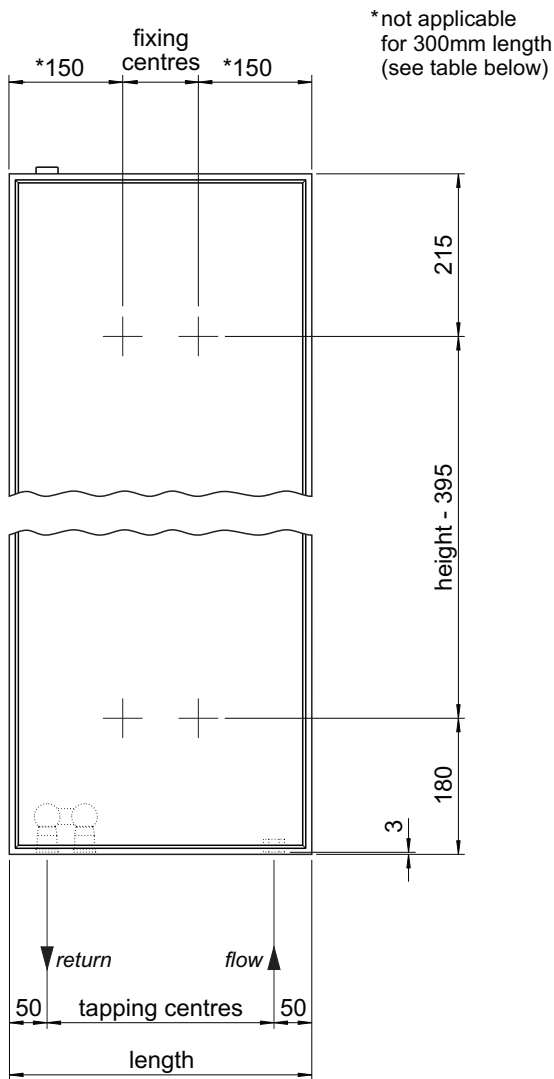
Slide lower spacer (G) down on to fixing plate to level radiator & tighten screw (H).

Plumb radiator to heating circuit with flow opposite air vent.

To ventilate, place a cloth or sponge under hole in air vent (A). Push button and release as soon as water exits hole.

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.





Tappings are too near wall to allow Bisque angled valves to be used.

Alternatively, install the radiator on the larger bracket spacing.

All dimensions shown are in millimetres

Test pressure: **10 BAR**  
 Max working pressure: **7.7 BAR**  
 Max working temperature: **95° C**  
 All steel construction: **2mm front plate thickness**  
 Connections: **½ inch BSP underside tappings**

Heat output determined in accordance with EN 442

Model	Output ΔT=30K Watts	Output ΔT=50K Watts	n	Water Content litres	Weight kg	Height ± 2mm	Length ± 2mm	Tapping Centres ± 2mm	Fixing Centres ± 2mm
FP-180-30	319	613	1.28	1.5	19	1800	300	200	70
FP-180-40	425	818	1.28	1.9	26	1800	400	300	100
FP-180-50	531	1022	1.28	2.4	32	1800	500	400	200

### Tools & Material Required

- Suitable valves
- PTFE tape
- Silicone thread sealant
- Tape measure
- Allen key - 13mm & 12mm (when installing Bisque valves)
- Spanner - 1/2"
- Screwdriver - crosshead
- Electric drill
- Masonry drill bit - 10mm diameter
- Spirit level
- Stepladder

Key	Component	Qty
A	Air Vent - 1/2"	1
B	Protective Cover	1
C	Pin	1
D	Wall Plug	4
E	Bracket	2
F	Spacer	2
G	Screw - Hex Head, 7mm dia x 60mm	4
H	Washer	4
I	Air Vent 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) finger tight in upper header. Place protective cover (B) over air vent (A) and tighten using pliers. Remove protective cover (B). Insert pin (C) into hole in air vent (A) and rotate until hole is facing forward. Remove pin (C).

Accurately mark out four bracket holes on wall using spirit level, to dimensions as shown on Technical Data Sheet.

Drill four 10mm diameter holes to a minimum depth of 60mm & insert wall plugs (D).

Attach upper brackets (E) to wall with screws (G) & washer (H).

Loosely fit lower spacer (F) to wall with screws (G) & washer (H).

Hang radiator onto upper brackets (E).

Slide lower spacer (F) down on to fixing plate to level radiator & tighten screw (G).

Plumb radiator to heating circuit with flow opposite air vent. To ventilate, place a cloth or sponge under hole in air vent (A). Push button and release as soon as water exits hole.

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.

