

† Dimensions vary according to bracket position.

With smaller dimension it is not possible to have angled valves back to the wall (see fitting instructions)

All dimensions shown are in millimetres

Test pressure: **5.2 BAR**  
 Max working pressure: **4 BAR**  
 Max working temperature: **85° C**  
 Construction: **32mm x 37mm steel headers**  
**8mm x 70mm steel ribs**  
**1.2mm thick panel - aluminium, copper or brass**  
 Connections: **½ inch BSP bottom opposite end tapings**

Heat output determined in accordance with EN 442

Manufactured for Bisque by Zehnder of Switzerland

Model	Output $\Delta T=30K$ Watts	Output $\Delta T=50K$ Watts	n	Water Content litres	Weight copper/brass kg	Weight aluminium kg	Height $\pm 2mm$	Length $\pm 2mm$	Tapping Centres $\pm 2mm$	Fixing Centres $\pm 5mm$
VJ-56-100	312	591	1.25	3.5	24	30	601	1013	n/a	703
VJ-56-120	374	709	1.25	4.3	31	37	601	1213	n/a	903
VJ-56-140	437	827	1.25	5.0	36	43	601	1413	n/a	1103

### Tools & Material Required

- Wall plugs - to suit screws
- Screws - Hex head, 7mm diameter x 55mm length
- Suitable valves
- PTFE tape
- Silicone thread sealant
- Tape measure
- Allen key - 13mm & 12mm (when installing Bisque valves)
- Spanner - 14mm
- Screwdriver
- Electric drill
- Masonry drill bit -to suit wall plugs
- Spirit level
- Stepladder (for taller radiators)

Key	Component	Qty
A	Air Vent - 1/4"	1
B	Blanking Plug	1
C	Wall Plug*	4
D	Bracket	4
E	Screw - Hex Head, 7mm dia x 55mm*	4

\* Wall Plugs & Screws not supplied

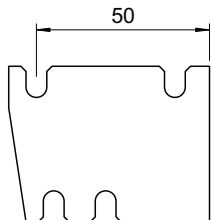
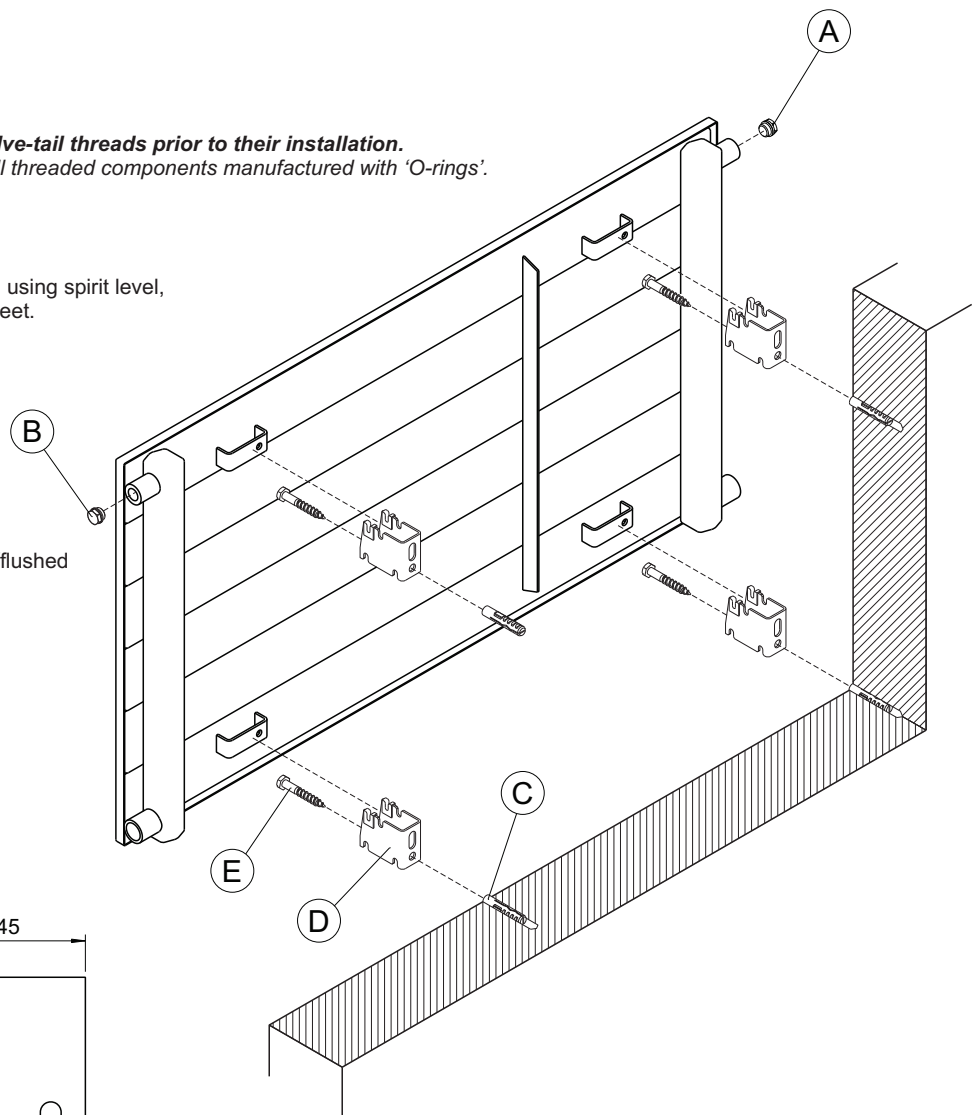
### Assembly Instructions

**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.
- Fit air vent (A) & blanking plug (B).
- Accurately mark out four bracket holes on wall using spirit level, to dimensions as shown on Technical Data Sheet.
- Drill four holes & insert wall plugs (C).
- Attach brackets (D) to wall with screws (E).
- Hang radiator onto brackets (D).

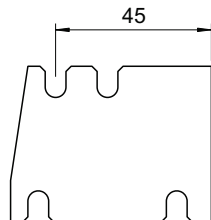
Plumb radiator to heating circuit with flow opposite air vent.

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.



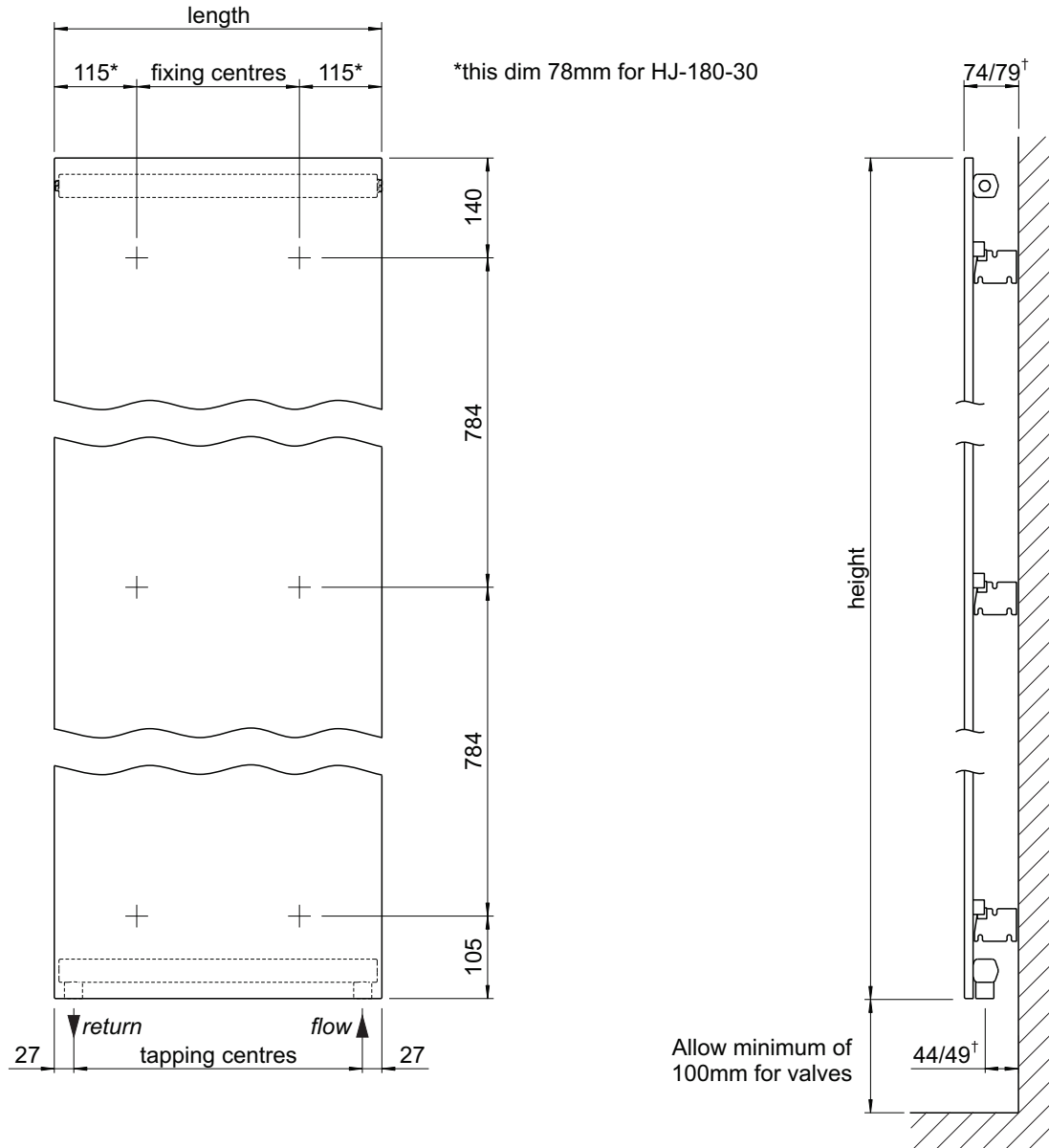
**Bracket Position 1**

Angled valve sets D,Z,F,K, M & Q can be used for pipe connections from wall



**Bracket Position 2**

Radiator will be closer to wall, but there will be insufficient space for angled valves



All dimensions shown are in millimetres

Test pressure: **5.2 BAR**  
 Max working pressure: **4 BAR**  
 Max working temperature: **85° C**  
 Construction: **32mm x 37mm steel headers**  
**8mm x 70mm steel ribs**  
**1.2mm thick panel - aluminium, copper or brass**  
 Connections: **½ inch BSP underside tappings**

Heat output determined in accordance with EN 442

Manufactured for Bisque by Zehnder of Switzerland

† Dimensions vary according to bracket position.

With smaller dimension it is not possible to have angled valves back to the wall (see fitting instructions)

Model	Output ΔT=30K Watts	Output ΔT=50K Watts	n	Water Content litres	Weight copper/brass kg	Weight aluminium kg	Height ± 2mm	Length ± 2mm	Tapping Centres ± 2mm	Fixing Centres ± 5mm
HJ-180-30	268	520	1.3	2.9	23	17	1813	305	251	149
HJ-180-45	402	780	1.3	4.3	34	25	1813	453	399	223
HJ-180-60	535	1040	1.3	5.8	46	33	1813	601	547	371

### Tools & Material Required

- Wall plugs - to suit screws
- Screws - Hex head, 7mm diameter x 55mm length
- Suitable valves
- PTFE tape
- Silicone thread sealant
- Tape measure
- Allen key - 13mm & 12mm (when installing Bisque valves)
- Spanner - 14mm
- Screwdriver
- Electric drill
- Masonry drill bit -to suit wall plugs
- Spirit level
- Stepladder (for taller radiators)

Key	Component	Qty
A	Air Vent - 1/4"	1
B	Blanking Plug	1
C	Wall Plug*	6
D	Bracket	6
E	Screw - Hex Head, 7mm dia x 55mm*	6
F	Security Clip (optional)	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.

Fit air vent (A) & blanking plug (B).

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

Drill four holes & insert wall plugs (C).

Attach brackets (D) to wall with screws (E).

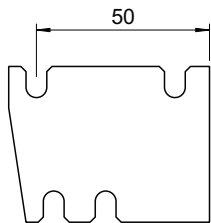
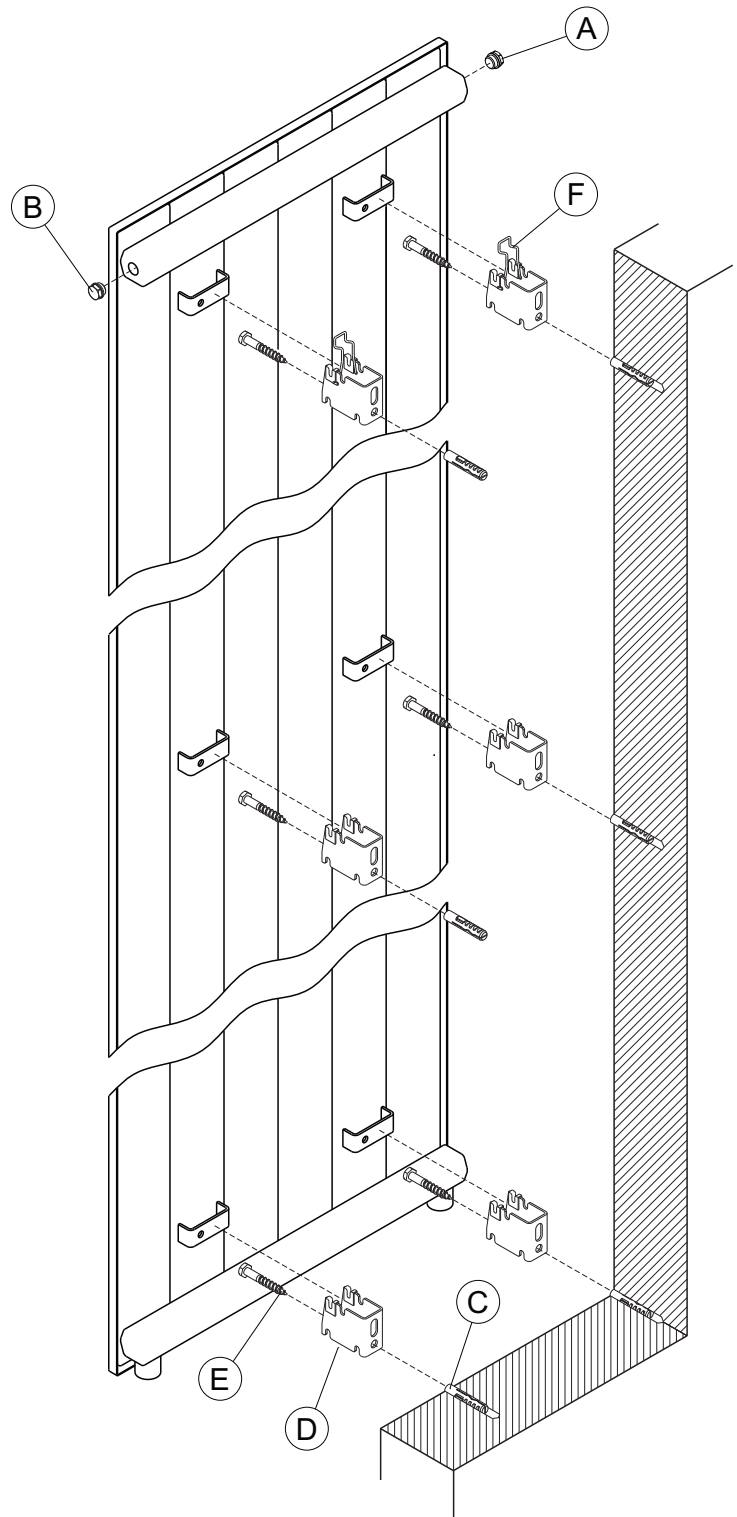
*Note: brackets have two possible mounting positions (see below). Increasing the spacing from the wall will allow for angled valves to connect to pipes from the wall.*

Hang radiator onto brackets (D).

If required, fit security clips (F) in position on top brackets (D).

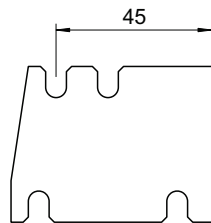
Plumb radiator to heating circuit with flow opposite air vent.

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.



**Bracket Position 1**

Angled valve sets D,Z,F,K, M & Q can be used for pipe connections from wall



**Bracket Position 2**

Radiator will be closer to wall, but there will be insufficient space for angled valves