

All dimensions shown are in millimetres

- Test pressure: **6.5 BAR**
- Max working pressure: **5 BAR**
- Max working temperature: **120° C**
- All steel construction: **70mm x 8mm x 1.3mm fins  
dia 30mm x 1.5mm headers**
- Connections: **½ inch BSP bottom opposite end tappings**

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

Heat output determined in accordance with EN 442

Manufactured for Bisque by Zehnder of Switzerland

**Please Note:**

**The dimensions of this radiator have recently changed. If you have an older version, the piping centres will be different. Please double check before installing and contact us if in any doubt.**

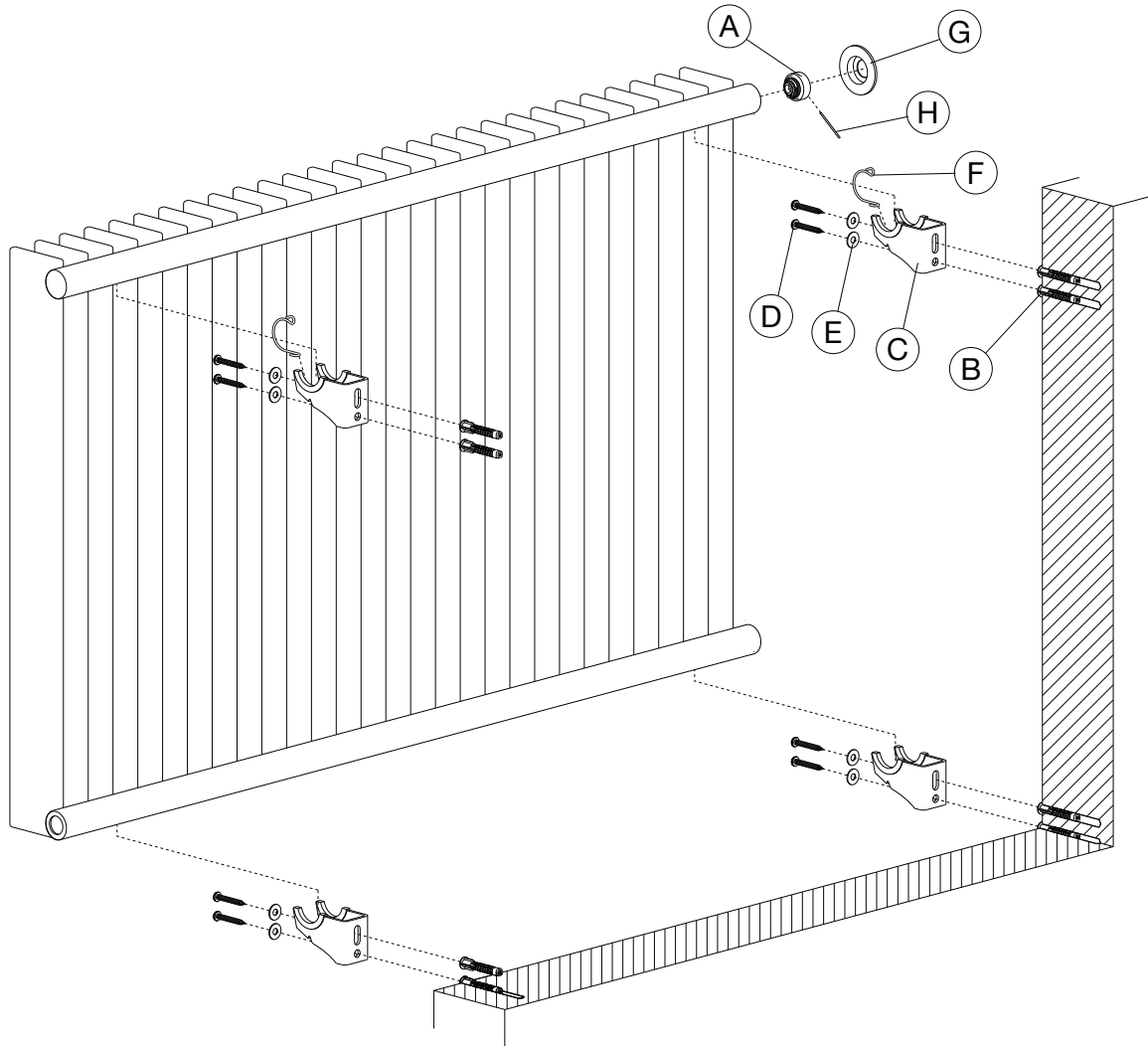
Model	Output $\Delta T=30K$ Watts	Output $\Delta T=50K$ Watts	n	Water Content litres	Weight kg	Height $\pm 2mm$	Length $\pm 2mm$	Tapping Centres $\pm 2mm$	Fixing Centres $\pm 2mm$
FN-60-77	452	838	1.26	5.72	29.30	600	775	n/a	595
FN-60-98	575	1067	1.26	7.28	37.30	600	985	n/a	805
FN-60-119	699	1295	1.26	8.84	45.29	600	1195	n/a	1015
FN-60-140	822	1524	1.26	10.40	54.28	600	1405	n/a	1225

### Tools & Material Required

Suitable wall plugs, screws & washers  
 Suitable valves  
 PTFE tape  
 Silicone thread sealant  
 Tape measure  
 Allen key - 12mm (if using Bisque valves)  
 Adjustable spanner  
 Electric drill  
 Masonry drill bit - 8mm diameter  
 Spirit level

Key	Component	Qty
A	Air Vent - 1/2"	1
B	Wall Plug*	8
C	Wall Bracket	4
D	Screw - Round Head, 5mm dia x 40mm*	8
E	Washer*	8
F	Security Clip	2
G	Protective Cover	1
H	Pin	1

\* Wall Plugs, Screws & Washers 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) finger tight in upper header. Place protective cover (G) over air vent (A) and tighten using pliers. Remove protective cover (G). Insert pin (H) into hole in air vent (A) and rotate until hole is at lowest point. Remove pin (H).

Accurately mark out bracket holes on wall to dimensions as shown on Technical Data Sheet.

Drill 8mm diameter holes in wall to a minimum depth of 50mm and insert wall plugs (B).

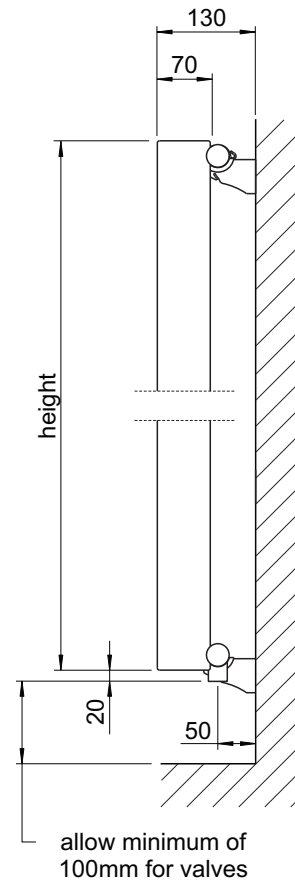
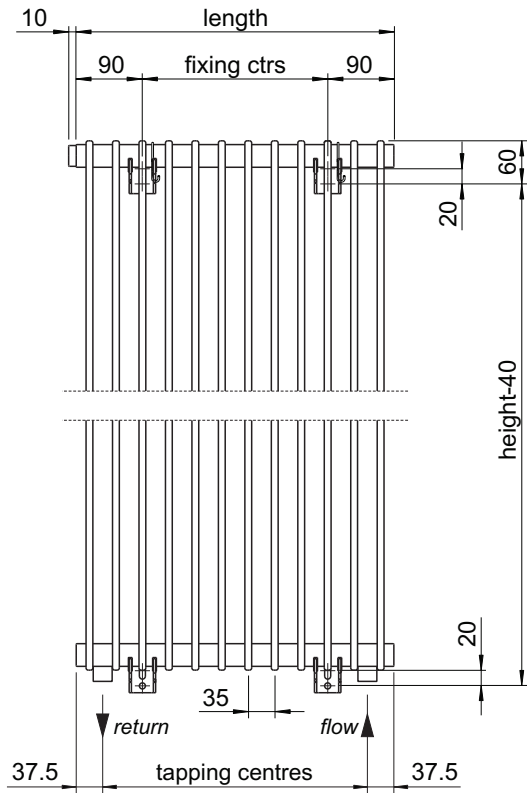
Attach brackets (C) to wall with screws (D) & washers (E).

Hang radiator onto brackets (C) and fit security clips (F) to top brackets.

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.



*made to measure versions of these radiators come as standard with side connections and not underside as the stock models shown here (other options can be specified)*

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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
FN-180-28	433	832	1.28	4.7	22.08	1800	285	210	105
FN-180-35	541	1040	1.28	5.9	27.60	1800	355	280	175
FN-180-42	649	1248	1.28	7.1	33.12	1800	425	350	245

**Tools & Material Required**

- Suitable wall plugs, screws & washers
- Suitable valves
- PTFE tape
- Silicone thread sealant
- Tape measure
- Allen key - 12mm (if using Bisque valves)
- Adjustable spanner
- Electric drill
- Masonry drill bit - 8mm diameter
- Step Ladder
- Spirit level

Key	Component	Qty
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B	Wall Plug*	8
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