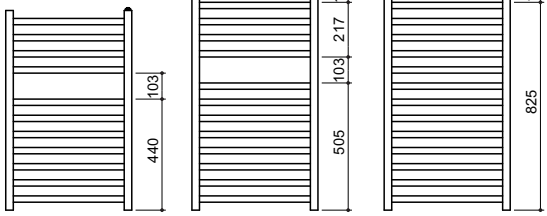
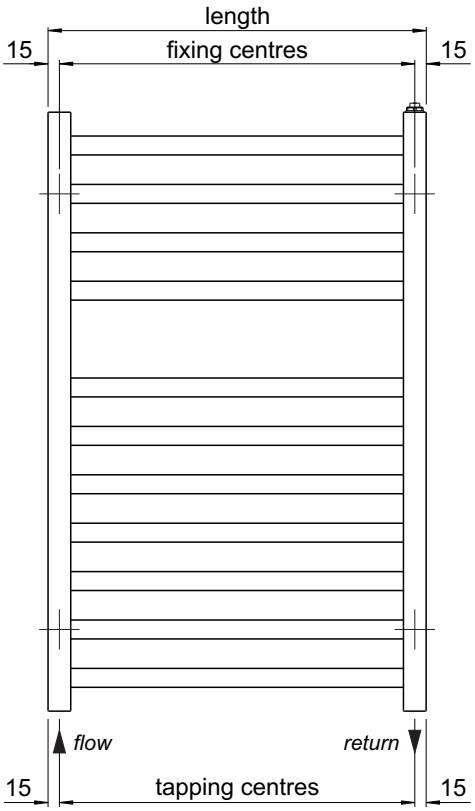
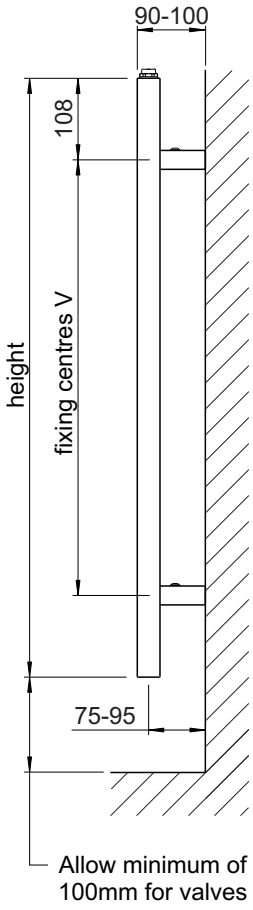


OPT-80 **OPT-120** **OPT-180**



note: flow & return can be reversed if required



All dimensions shown are in millimetres

Test pressure: **13 BAR**
Max working pressure: **10 BAR**
Max working temperature: **95º C**
All steel construction: **dia 25mm x 1.2mm tubes**
dia 30mm x 1.5mm headers
Connections: **½ inch BSP underside tappings**

Not suitable for use on domestic hot water system

Heat output determined in accordance with EN 442

Manufactured for Bisque by Zehnder

For optional **Supplementary Heater** see separate sheet as fitting this will affect pipe centres.
Please check before drilling.

Model	Output - Painted ΔT=30K *Watts*	Output - Painted ΔT=50K *Watts*	Output - Painted n	Output - Chrome ΔT=30K *Watts*	Output - Chrome ΔT=50K *Watts*	Output - Chrome n	Water Content *litres*	Weight *kg*	Height ± 2mm	Length ± 2mm	Tapping Centres ± 2mm	Fixing Ctrs V ± 2mm
OPT-80-50	198	374	1.24	119	227	1.26	3.7	6.6	792	500	470	576
OPT-80-60	229	434	1.25	138	263	1.27	4.3	7.6	792	600	570	576
OPT-120-50	284	541	1.26	169	323	1.27	5.4	9.6	1176	500	470	960
OPT-120-60	329	628	1.27	195	373	1.27	6.2	11.0	1176	600	570	960
OPT-180-50	428	819	1.27	264	504	1.27	8.3	14.8	1816	500	470	1600
OPT-180-60	495	951	1.28	309	591	1.27	9.6	17.1	1816	600	570	1600

Tools & Material Required

Suitable valves
PTFE tape
Silicone thread sealant
Tape measure
Allen key - 13mm & 12mm (when installing Bisque valves)
Electric drill
Masonry drill bit - 8mm diameter
Spirit level
Stepladder (for taller radiators)

Key	Component	Qty
A	Air Vent - 1/2”	**1**
B	Wall Plug	**4**
C	Bracket	**4**
D	Screw - 6mm dia x 50mm	**4**
E	Washer	**4**
F	Screw - M5	**4**
G	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).

Accurately mark out bracket holes on wall using spirit level.

Drill four 8mm diameter holes to a minimum depth of 65mm & insert wall plugs (B).

Screw brackets (C) into wall plugs (B) with screws (D) & washers (E).

Slide bracket post on radiator into brackets (C) and secure in position by tightening M5 screws (F) with allen key (G).

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.