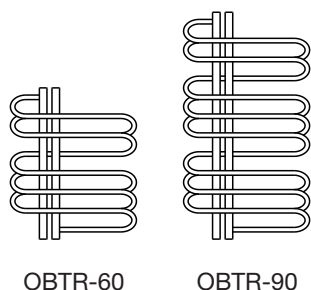
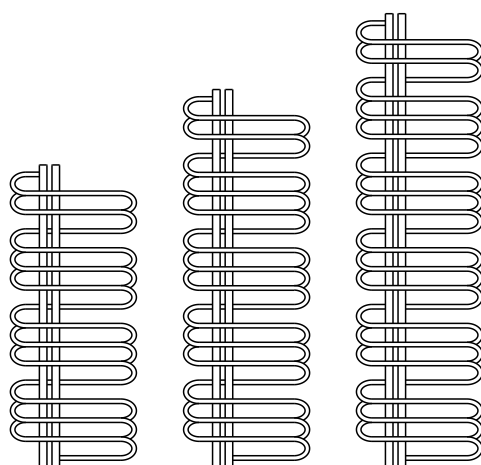


OBTL models are opposite hand



OBTR-60

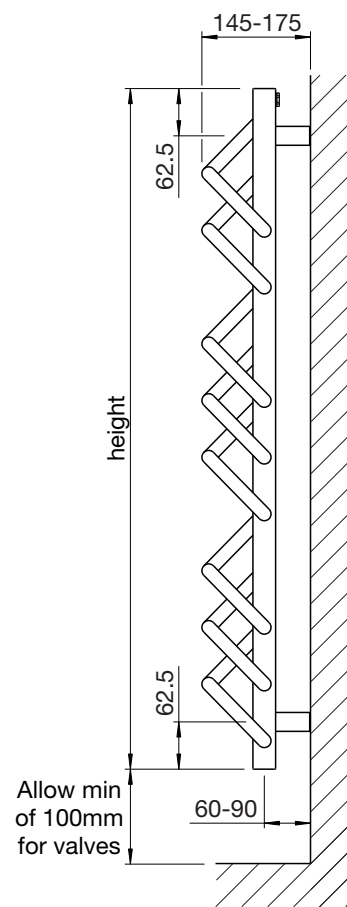
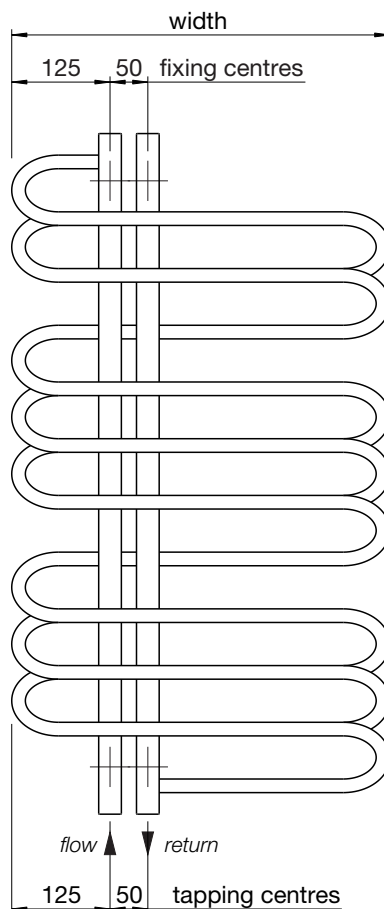
OBTR-90



OBTR-120

OBTR-150

OBTR-180

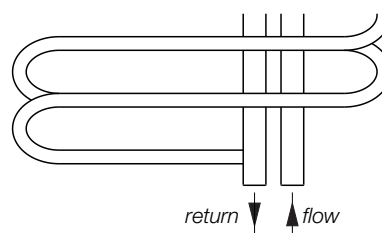


This radiator is not suitable for dual energy conversion

All dimensions shown are in millimetres

Test pressure: **11.7 BAR**
 Max working pressure: **9 BAR**
 Max working temperature: **120° C**
 All stainless steel construction: **30mm x 30mm x 1.2mm headers**
dia 18mm x 1.2mm tubes
 Connections: **½ inch BSP underside tappings**

Heat output determined in accordance with EN 442
 Test Laboratory:



OBTL connection details

Model	Height ± 2mm	Width ± 2mm	Finish	Output ΔT=50K		Output ΔT=30K		n	Weight kg	Water Content litres
				Watts	Btu	Watts	Btu			
OBTR-060-050	600	500	mirror	215	734	115	392	1.17	4.0	1.9
OBTR-090-050	900	500	mirror	301	1027	161	549	1.22	6.0	3.0
OBTR-120-050	1200	500	mirror	416	1419	220	751	1.24	7.9	3.7
OBTR-150-050	1500	500	mirror	500	1706	265	904	1.26	9.9	4.8
OBTR-180-050	1800	500	mirror	634	2163	337	1150	1.22	11.7	6.0
OBTL-060-050	600	500	mirror	215	734	115	392	1.17	4.0	1.9
OBTL-090-050	900	500	mirror	301	1027	161	549	1.22	6.0	3.0
OBTL-120-050	1200	500	mirror	416	1419	220	751	1.24	7.9	3.7
OBTL-150-050	1500	500	mirror	500	1706	265	904	1.26	9.9	4.8
OBTL-180-050	1800	500	mirror	634	2163	337	1150	1.22	11.7	6.0

Issue 1.0



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Tools & Material Required

Suitable valves
PTFE tape
Silicone thread sealant
Tape measure
Allen key - 13mm & 12mm (when installing Zehnder valves)
Spanner - 13mm & 14mm
Screwdriver - crosshead
Pliers
Electric drill
Masonry drill bit
Spirit level
Stepladder (for taller radiators)

Key	Component	Qty
A	Air Vent	1
B	Blanking Plug	1
C	Wall Plug	4
D	Bracket	4
E	Screw - Cross Head, 6mm dia x 60mm	4
F	Grub Screw	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) and blanking plug (B).

Accurately mark out bracket holes on wall using spirit level.

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

Screw brackets (D) into wall plugs (C) with 6mm diameter x 60mm screws (E).

Offer radiator up to wall and slide square posts on the rear of the radiator into brackets (D).

Secure radiator in position by tightening grub screw (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.

