# **Assembly Instructions**

# **OVAL TUBE UNIVERSAL RADIATOR**

# **Parts Supplied**

Ref	Description	Illustration	Qty
A	Radiator 50 90	SE S	1
В	Air vent	G 1/2"	1
С	Blanking plug		1

# **Parts Supplied**

Ref	Description	Illustration	Qty
A	Radiator  B-50  B-140  B-140	RADIATOR HORIZONTAL  RADIATOR HORIZONTAL  RADIATOR HORIZONTAL  RADIATOR HORIZONTAL  DUPLEX	1
В	Air vent	G 1/2"	1
С	Blanking plug	2782	1

## **Fittings Supplied**

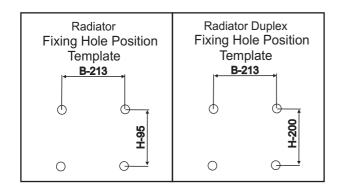
Ref	Description	Illustration	Qty
D	Masonry plug		4
E	Screw		4
F	Bolster		4
G	Bracket	- o	4

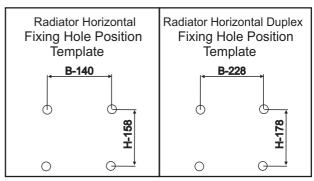
## **Fittings Supplied**

Ref	Description	Illustration	Qty
D	Masonry plug		4
Е	Screw		4
F	Bolster		4
G	Galvanized Bracket		4

# **Tools Required (not supplied)**

Drilling Machine Electric Drill, Drill 10 mm Masonry Drill Bit, 22 mm Spanner, Screwdriver, Hammer





### **Before You Start**

- Please read instructions carefully before installation.
- Check the pack and make sure you have all parts listed above. If not, contact your local store who will be able to help you
- Ensure you have suitable isolation valves.
- Before drilling, first check that there are no hidden water pipes or electrical cables.
- This radiator is designed for use in closed heating systems only with a maximum pressure of 10 bars (most common domestic heating systems do not exceed 3 bars)
- When you are ready to start, make sure you have the right tool to hand, plenty

### Installation

- 1. Using the dimensions given in the fixing hole template if using the plugs supplied drill 4 holes to a depth of approximately 50 mm and a diameter of 8 mm. **NOTE:** The distance from the floor to the bottom of the radiator must be at least 200 mm for efficient heating and ventilation. The distance between the two ½" pipe connections is the width + valve allowance (B).
- 2. Insert masonry wall plugs (D) provided into the drilled holes, solid walls only.
- 3. Fasten screw (E) with through bracket (F) to fix securely to the wall. **Take care not to over** tighten.
- 4. Hang the radiator on the brackets.
- 5. Fit the supplied air vent (B) and blanking plug (C) into the upper threaded openings of the radiator.
- 6. Connect the water flow and the return pipe to the chosen side of the radiator and the isolation valves (not supplied). Ensure a water tight seal is obtained by using PTFE tape on the threads.
- 7. How to first fill and vent the radiator:
- Open the air vent
- Slightly open the inlet valve (about 10%) while leaving the outlet valve totally closed.
- Allow the system to fill the radiator. If possible fill without use of the heating pump, it is important that the radiator is filled slowly.
- When the radiator has been filled close the air vent.
- Open both inlet and outlet valves totally and use the heating system for about 2 hours.
- Totally close both inlet and outlet valves.
- Open the air vent and let out all air.
- This should clear all air from the radiator. If you are still having problems, on some systems it may be necessary to fit an automatic air vent.
- 8. Please ensure that a correct seal is made on the connections of the radiator as corrosion due to incorrect installation is not covered under the product warrantee.

#### Care & Use

- After fitting you **MUST** be absolutely certain that the system is **THOROUGHLY** flushed before it is commissioned in order to rinse out any metal, flux and foreign residues.
- To help prevent internal corrosion and lime scale formation a suitable inhibitor **MUST** be added to the central heating system when it is refilled
- Wipe radiator clean with a soft damp cloth. Never use scourers, abrasives or chemical cleaners.

## **Troubleshooting**

• If some panels of the radiator are not warm, check and purge once more using step 7.