

## **Electric Conversion Instructions**

The instructions below are to be followed when installing a thermostatic heater element into a filled hydraulic towel rail. The element can be installed into either side of the rail.

1. Remove the towel radiator from the packaging
2. Decide where the rail is to be situated. Make sure you have a minimum of 125mm between the bottom of the rail and the floor.
3. Mark out the position of the support brackets and fix them to the wall.
4. Offer the rail to the brackets to make sure it is completely level.
5. Decide which side the thermostatic element is to be installed to.
6. Turn the rail upside down and remove the plug where the thermostatic element is to be installed
7. Install the thermostatic element making sure the joint is water tight. Under no circumstances must the element be turned by twisting the thermostatic head. The element can be positioned on the large gasket seal only by fitting a spanner to the hex face underneath the chrome head and turning the full unit.
8. Do not stand the rail on the thermostatic element as this may cause serious damage.
9. Install the rail onto the wall brackets.
10. Make the electric connection
11. Open the top air vent, set the temperature to maximum and allow the rail to heat up fully, this may take 45 minutes.
12. Air will escape through the open air vent whilst the heater is achieving its temperature, in some cases if the fluid level is too high this may start to come through the air vent as well. This is quite normal and will ensure the correct expansion gap within the rail.
13. The thermostatic heaters have a temperature range of 20°C - 70°C so any escaped fluid will be hot.
14. When the rail has reached its maximum temperature, close the air vent fully and switch off the thermostatic element.
15. If more fluid is needed due to a cool spot at the top, allow the rail to cool before removing the top plug and adding additional water. Then follow steps 10 -13 again.
16. Allow the rail to cool then switch the thermostatic element back on and bring up to maximum temperature again. Check to make sure the joints are fully water tight.

**This work must be carried out by a fully qualified electrician otherwise you will void your guarantee**

# DIVA INSTALLATION GUIDE

**DESCRIPTION**

Radiator x1

Brackets x4

Wall Anchors x 4

Fixing Screws x4

Security Screws

Washers

End plug x1

Air vent x1

**DESCRIPTION**

Fixing choose the appropriate fixing for the wall material if required

PTFE tape

Electric drill

Masonry drill bit appropriate to the fixings

Adjustable spanner

Radiator valve hex key

Flat head and philips head screw drivers

1 lock shield valve and 1 gate or thermostatic valve

Spirit level

Measuring tape

600mm 800mm 1000mm 1200mm 1400mm 1500mm 1600mm 1800mm

WIDTH A	AXIS B	HORIZONTAL HOLES E
300mm	255mm	100mm
400mm	355mm	200mm
450mm	405mm	250mm
500mm	455mm	300mm
550mm	505mm	350mm
600mm	555mm	400mm

HIGHT D	VERTICAL HOLES F
600mm	410mm
800mm	610mm
1000mm	810mm
1200mm	1010mm
1400mm	1210mm
1500mm	1310mm
1600mm	1410mm
1800mm	1610mm

WALL

**This product must be fitted only by a fully qualified installer.**

- A** The radiator should not be mounted closer than 50mm below any overhanging surface (i.e. shelf) and no lower than 100mm from the floor. Transfer the bracket drill position measurements to the wall.
- B** Drill the wall and insert wall anchors (1) (or other suitable fixings).
- C** Put the brackets (2) on the wall and screw them to the wall anchors (1) with fixing screws (5) and washers (4).
- D** Screw the brackets (6) onto the radiator.
- E** Insert brackets (6) into the brackets (2) and tighten the security screws (3).

**GENERAL RECOMMENDATION**

- Before fitting the radiator it is necessary to wash out the heating system to remove any existing mud, scale, work residues, traces of flux, oil, etc.
- When the system water pH is outside the 5,5-8,5 range and/or when the dissolved is above 0,1mg/litre, it is always needed to protect the heating system components (the radiator is one of these) with a proper chemical treatment compatible with all parts in contact with water (silicon rubber too).
- In order to fit the radiator to the wall, it is necessary to choose the proper fixings for the wall material.
- If the system water exceeds 50°C, please install a warning mark near the radiator to avoid any accidental scalding.
- Clean the radiator surface only with a soft cloth to avoid scratching the finish and do not use chemical agents during cleaning operations. It is prohibited to climb on the radiator.
- Maximum working temperature 95°C, maximum working pressure 8 bar.