



Thank you for purchasing this Tesla Immersion Heater. This unit is guaranteed for a period of 12 months from the date of receipted purchase provided that it has been installed correctly by a suitably qualified person.

The installer must ensure:

- The immersion heater is installed in a system where the heating element is always below water level.
- There is water in the tank before the immersion heater is first switched on.
- It is only subjected to normal operating conditions in a domestic hot water system which conforms to BS699, BS1566 or BS3198 and in which the system temperature is no more than 75°C. No warranty is hereby given or implied in other uses except domestic.
- It must be fitted in accordance with current IEE wiring regulations and must be wired through a double pole isolator or suitable controller which must have a contact separation of at least 3mm in all poles.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

This unit must not be modified in any way. BEAB approval for all models is dependent upon the fitting of the appropriate Dual Safety Thermostat that is listed in these instructions.

AQUATHERM

Specialist Immersion Heaters by Tesla UK

General Fitting Information

The Aquatherm range of immersion heaters are direct equivalents to the immersion heaters fitted to Heatrae Sadia Megafluo cylinders. Please refer to the cylinder manual to identify the immersion heater by the OEM part number, then to the table to choose the correct Tesla replacement.

Tesla Code	OEM Code
TIH101K	95606961
TIH103K	95606962
TIH105	95606989
TIH106	95606988
TIH107	95606986
TIH108	95606984

To remove the old immersion heater:

1. Disconnect the supply wires from the thermostat.
2. Pull the thermostat away from the immersion heater which will expose the brass housing.
3. Unscrew the brass housing using the special key (Tesla Part no. TIHSIK) and remove the immersion heater. Note the orientation of the original heater – the replacement should be orientated in the same position.
4. Ensure the rubber seal is also removed.

Re-fitting the Aquatherm replacement.

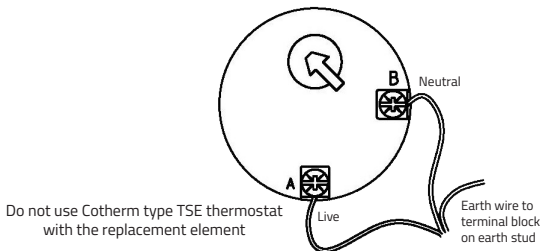
1. Check the seating face for the immersion heater is clean and free from debris.
2. Ensure the new rubber seal supplied is located properly on the immersion heater flange
3. Carefully feed the immersion heater into the cylinder and orientate it in the same position as the one that has just been removed.
4. Refit the brass housing ensuring it does not foul on the rubber washer and tighten it using the special key.
5. **IMPORTANT NOTE:** As the back nut provides the earth contact between the cylinder casing and the heating element; sealing product **MUST NOT** be applied to the threads as this will compromise the earth bond.
6. Refit the thermostat, taking care to locate the spade terminals properly in the thermostat receptacles.
7. Finally connect the supply wires to the thermostat.
8. Test and check for leaks.

Thermostat – IMPORTANT – PLEASE READ

Some early models of the Megafluo cylinder were fitted with a Cotherm type TSE thermostat and used a different design of element to work with this thermostat. The replacement immersion heater is not designed to work with the TSE thermostat and if this is fitted then the over temperature safety cut-out will not work. If you require a replacement thermostat these can be purchased through your element supplier.

Later models of the Megafluo cylinder were fitted with a Cotherm type TSR thermostat and this can be used with the replacement immersion heater.

Wiring connection to thermostat



Fitted immersion heater showing back nut

