

Sprinkler Tank Immersion Heater

New for winter **2024/2025**, we offer a fire sprinkler water tank immersion heater which is new to the market and innovative in many ways.

Used in water tanks which are externally-located, or where they otherwise may be subject to freezing, the purpose of a sprinkler tank immersion heater is to prevent a full layer of ice forming on top of the water. If a sprinkler tank ices over, this layer can create a vacuum between it and the water, which in turn can prevent or reduce the ability of the fire pumps to deliver water to the sprinklers; in addition, ice around the float valve 'float' will prevent it working properly (the float valve itself may need trace heating to prevent freezing).

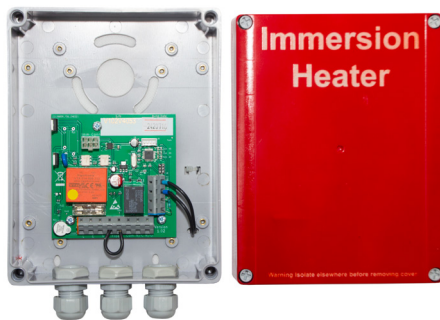
This product has been designed and developed by one of our industry partners, the founder of which has a long history in the fire sprinkler business and has developed a good understanding of the issues faced by field installers and their clients – using this knowledge to harness technology to develop better products is part of their ethos.

What's New?

Most immersion heaters in use currently are 3kw; they are much more powerful than they need to be, costing significantly more than necessary, and also have a tendency to overheat which shortens their life as well as creating new hazards. Our partner has worked closely with companies in the industry to solve these and other problems – resulting in a product which is highly cost-efficient and eliminates these problems and risks. In addition, further features have been added.



Complete Assembly



Enclosure



Heating Element/Holder

Key Features:

- Compliance with LPS 1276, BS 7798, IET and BS 7671.
- Dual element type (individually controlled), as required by LPS 1276.
- Stainless steel tank tube (1.5mm wall thickness high-grade SS304), allows maintenance and repair of elements without draining tank.
- Fitting for standard 2¼" tank bush.
- IP-rated enclosure.
- Designed and made in the UK.



Float Switch

Please see over for Benefits.

Benefits over most existing models:

- Significant energy-saving – 90W compared to usually 3,000W – an annual energy cost saving of almost £3,000 (estimated 3,400 hours at 29p) – fast payback.
- Significant cost saving, based on extended product life cycle as well as energy costs.
- Auto self-monitoring.
- Alarm contacts: volt-free contacts for any alarm condition.
- Visual (on rear of enclosure) and audible alarm/status indicators. Fault monitoring for heating elements, temperature probes and float valve.
- Free WAGO connector terminal tool.
- Packaging 100% recyclable (no plastics).
- Installation video available through QR code.
- Trouble-shooting video available through QR code.
- 2-year warranty as standard.

Additional options:

- Custom engraving/branding on face/lid of enclosure.
- Float switch to isolate heater in event of low water.
- 5m external temperature probe.
- Multi-temperature sensing (internal, external, tube).
- Tank Boss (stainless steel 4-hole PN16 2¼" flange set, incl. gasket and fixings).
- Remote monitoring (coming soon).

Technical Data:

Enclosure size: 215x164mm

Total length: 720mm

Electrical: 230VAC, 90W, 0.4A