

3P TC-S1 Top-up Controller

Accurate and Robust Mains Water Top-Up Controller

- **Automatic Operation**
- **Precise Top-Up**
- **Simple Installation**
- **Compact and Easy to Use**

Features

The 3P TC-S1 precisely manages the topping up of mains water into the rainwater storage tank. It opens the solenoid valve if the water level is lower than the metal sensor in the rainwater tank. The rainwater tank is filled with mains water until the water level recovers to the lowest end of the metal sensor and continues for a time of at least 8 seconds.

The solenoid valve plugs into the TC-S1's front socket and the TC-S1 plugs into an ordinary 240V mains socket, using the supplied adapter.

Compact

The 3P TC-S1 is a compact, and easily installed integrated top-up system which includes everything you need to safely and accurately top-up your rainwater tank with mains water.

Precise Top-up

The TC-S1 is a very precise top-up controller that opens/closes the solenoid valve depending on the level of the rainwater in the tank and continues to top-up for 8 seconds once the probe has been re-wetted.

Safety Shut Off

The TC-S1's safety shut-off closes the solenoid valve if the unit has been topping-up for more than an hour. This prevents the unit from topping up indefinitely should there be a problem, such as a leak in the rainwater tank.

Solenoid Valve Testing

The TC-S1 flushes the solenoid valve periodically every week for 5 seconds to prevent blockages.

Meets Water Regulations

The 3P Tundish and bracket act as an air-gap in the system - meeting UK water regulations against the cross-contamination of mains water supply.



The 3P TC-S1 with the 3P Tundish and Bracket

Technical Features

- Level gauge with 20m cable
- Available in 1/2" and 3/4" solenoid valve sizes, with 1.4m cable, to suit a range of water flow rates,
- Control Unit with test function and power light
- 3P Tundish and stainless steel mounting bracket included

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Technical Specifications

Control Unit Width:	65 mm
Control Unit Height:	110 mm
Control Unit Depth:	90 mm
Control Unit Weight:	318 g
Control Unit Voltage:	230V AC
Control Unit Current:	10A
Level Sensor Voltage:	12V
Tundish Outlet:	50mm (DN 50 Spigot)
Tundish Overflow:	40mm (DN 40 Spigot)
Sensor Cable:	20 metres
Solenoid Valve cable:	1.4 metres
Solenoid Valve Sizes:	1/2" or 3/4" Female BSP



The 3P TC-S1 with UK Plug Adapter

Product codes

TCA534035 - For automatic pumps at 1/2", to 3.8m³/hour (1 bar).

TCA535437 - For automatic pumps at 3/4", to 5.0m³/hour (1 bar).

Optional Accessories

Stainless steel submersible pumps.

Our quiet low energy (600W) yet powerful Steelpumps are available for a wide range of domestic and commercial applications, and are perfectly suited for use with the 3P TC-S1. Intelligent Steelpumps are ideal as they are self controlled and are highly efficient. The Steelpumps are available in single-stage and multi-stage models, and with horizontal and vertical body types.

We recommend the use of a small pressure vessel on all automatic pumps.

A range of pressure vessels are available from 3P.

Your Local Distributor

