

MAINS WATER TOP-UP UNITS

- ◆ Designed specifically for use in rainwater harvesting systems.
- ◆ Available in various sizes to suit required flow rates.
- ◆ Reliable hammer-free solenoid valve
- ◆ Isolating valve with built-in dirt strainer
- ◆ Quality stainless steel tundish
- ◆ Built-in laminar flow device for splash-free operation
- ◆ Flexible stainless steel braided hose
- ◆ Operated by signal from float switch
- ◆ Maintenance free



1/2" top-up unit with 50mm tundish, suitable for domestic applications

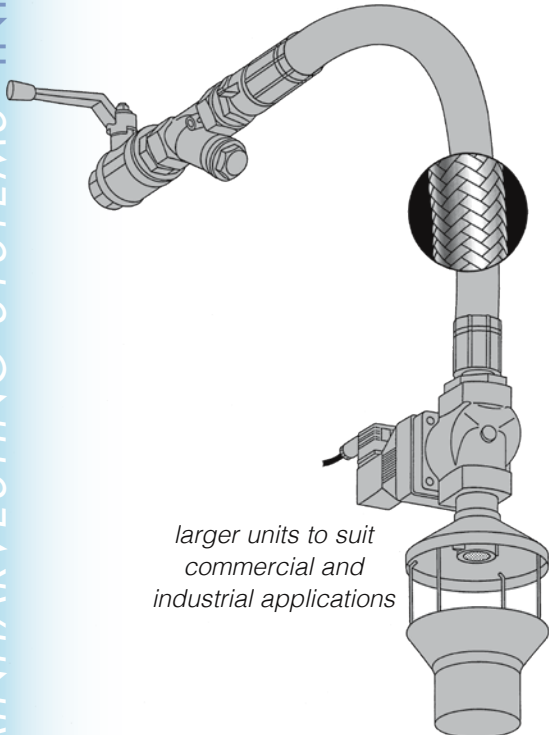
This special assembly is designed to provide an automatic mains water back-up supply to any vessel that is used to hold non-potable or 'unwholesome' water. The unit consists of a length of flexible braided hose with a manual isolating valve at one end and a solenoid valve and tundish at the other. The purpose of the tundish is to comply with the current UK Water Regulations.

The Regulations prohibit any direct connection between the mains water

supply and untreated rainwater, and therefore the mains water connection must be protected against the risk of back-flow.

The air-gap which the tundish provides prevents this back-flow, and is essential in any rainwater harvesting system in the UK where mains water is incorporated.

The tundish is designed to fit into standard 50mm ID pipe and it incorporates a laminar flow device to reduce the risk of splashing. The IP65 solenoid valve is activated normally by a low-level float switch and thus provides mains water when the rainwater storage tank is low. The manual isolating valve incorporates a dirt strainer to prevent any debris from restricting the solenoid valve.



larger units to suit commercial and industrial applications

Several models are available to suit most applications

inlet size	maximum flow rate at 3bar	hose length	tundish size
1/2"	2.64 m ³ /hr	50cm	50mm
3/4"	6.48 m ³ /hr	50cm	50mm
1"	8.64 m ³ /hr	75cm	70mm
1 1/2"	20.52 m ³ /hr	75cm	100mm
2"	34.92 m ³ /hr	100cm	100mm



Flexible System Design

Our comprehensive range of specialist items has been developed specifically for rainwater harvesting systems. Because our range consists of separate components, it has exceptional flexibility.

We stock equipment suitable for almost any system design, whether you're planning a system for a small house or a large housing development.

A wealth of experience

We have been supplying rainwater harvesting systems throughout the UK since 1995 and have accumulated vast experience in this specialist field. With our large stocks of equipment and our excellent technical expertise, we offer an unrivalled level of service to our clients.



We are founder members of the UK Rainwater Harvesting Association.



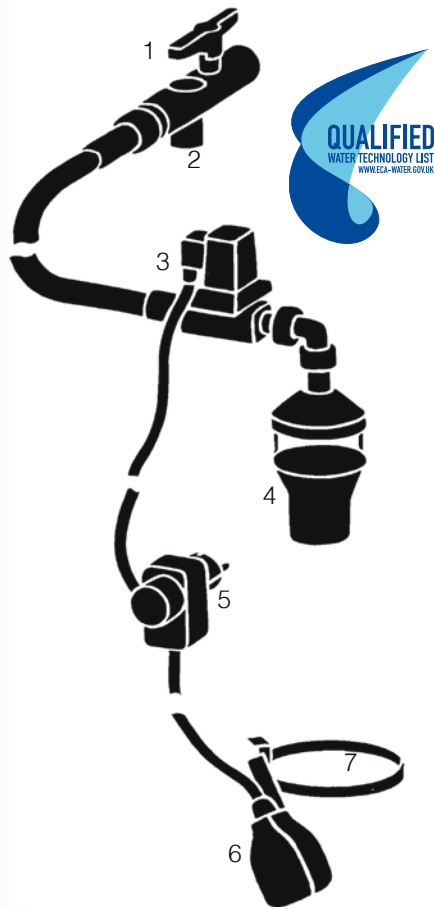
We are the UK's sole agent and distributor of Wisy products for rainwater utilisation.

MAINS WATER TOP-UP KITS

We also supply kits for use as part of a rainwater harvesting system, for controlling the topping-up of tanks with mains water in compliance with the current Water Regulations. All metal parts are of stainless steel.

Each kit comprises of four items:

- the top-up assembly as shown overleaf
- special float switch assembly
- special 'piggy-back' plug
- adapter for UK 3-pin socket



- Components**
- 1 - manual isolating valve
 - 2 - dirt strainer
 - 3 - solenoid valve
 - 4 - tundish - provides type AA air gap
 - 5 - 'piggy-back' switching plug
 - 6 - float switch
 - 7 - worm-drive clamp

OPTIONS:
 3, 10, & 20m boxed kits
 For automatic mains water top-up control in domestic rainwater harvesting systems. Available with either 3m, 5m or 20m float switch cables. Float switch on 100-140mm diameter clamp. Tundish fits standard 50mm pipe.



The one-way float switch is attached to a stainless steel worm-drive clamp, which enables it to be securely fixed to a pump body or a vertical inlet pipe. The unit can be used either way up and gives precise switching points at either 4 or 9cms. The clamp will fit diameters from 100 - 140mm

The special 'piggy-back' unit is a two-pin European device that has a cable entry to accept the lead from the float switch and a two-pin socket to accept the plug from the solenoid valve. This provides a very simple 'plug and play' method of connecting the components together, enabling the float switch to activate the mains water solenoid valve. We supply this with an adapter to fit a standard UK 3-pin socket. Alternatively the two cables could be 'hard-wired' into a fused outlet. The device can also be used to connect a float switch and pump.



We also stock a range of header (break) tanks for use in rainwater harvesting systems. These are supplied complete with pre-fitted control float switches and connections for pumped supply & 50mm tundish.



Private housing



Social housing



Gardens



Agriculture



Industrial



Commercial

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