

BACK-WASH FILTER UNITS

- Absolute filtration down from 12 to 400 microns.
- 100% clean with every backwash.
- Flow rates up to 1.3 l/s per individual pot.
- Higher flow rates achieved by multiple units.
- Manual, valved or automatic versions available.
- Minimal water loss during backwash operation.
- Easy to install.
- Simple maintenance.
- 5 year guarantee on filter coils.

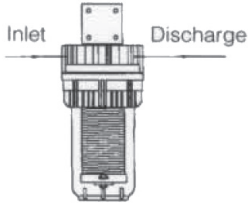
Backwash filter units for use where reliable fine filtration of water is required. Especially good for pre-filtering prior to UV disinfection or where automatic operation is needed.

The filter is constructed from a precision-made stainless steel coil within a sealed housing. As water is forced through the coil, particles are prevented from getting through. When required the coil is back-washed by closing off the supply.

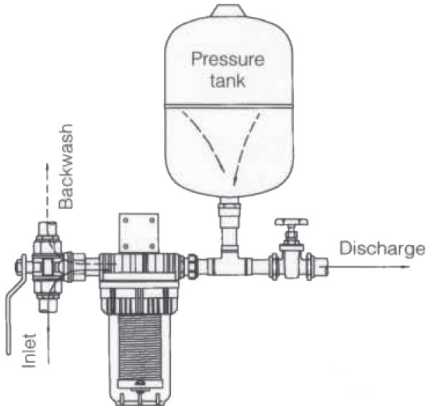
The back pressure then forces water into the coil, thus opening up the rings and washing out the debris. Alternatively the coil can be cleaned by hand.



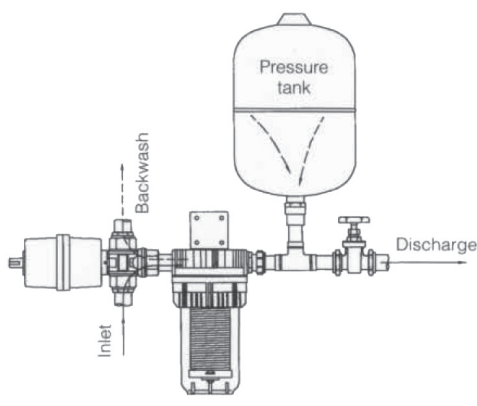
Three versions are available:



Manual. The EasyClean Manual is a simple and inexpensive yet very effective means of cleaning water. Cleaning is achieved by simply removing the coil element from the housing and washing by hand. Perfect for where there is low pressure, insufficient for self-cleaning backwash operation.



Valved. The valved version provides a means of backwashing the filter quickly and effectively with minimal disruption. Fitted with isolating valves and expansion vessel, a simple quarter turn of a valve shuts off the pressurised supply and the back pressure from the vessel washes out any debris within a few seconds.



Automatic. The EasyClean Auto gives a fully automatic solution through the addition of an actuator and controller*. This can be programmed to set the backwash frequency and duration.

*Requires a 12v power supply (optional extra).



Flexible System Design

Our comprehensive range of specialist items has been developed specifically for Rainwater Harvesting Systems. Because the range consists of separate components, it has exceptional flexibility.

These items are suitable for almost any system design, whether you're planning a system for a small house, a school or a large industrial or commercial premises.



We are the UK's sole supplier of Wisy products for rainwater utilisation

BACK-WASH FILTERS

Specification

Materials

Filter coil	Stainless steel 304
Filter cage	Glass filled polypropylene And stainless steel
Housing	SAN resin
Housing top	Polypropylene
Seals	Nitrile rubber

Valved & Auto versions only:

Pipework	22mm copper (table X)
Pressure tank	Coated steel with butyl liner
Valve	3/4" bsp 3-way ball valve

Auto version only:

Actuator	Nylon and ABS
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Connections

Manual version

Inlet	3/4" bsp female
Discharge	3/4" bsp female

Valved & Auto versions

Inlet	3/4" bsp female
Backwash	3/4" bsp female
Discharge	22mm compression

Power supply (Auto version only)

12v DC 1A

No. of Elements

1 per housing

Max. Flow rate per housing

1.3 litres/sec

Max. Operating Pressure

8 bar

Max. Operating Temperature

50°C

Filter Ratings (microns)

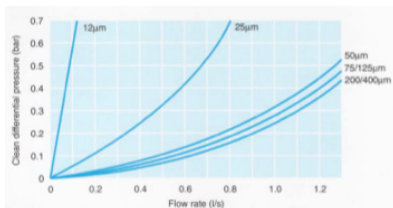
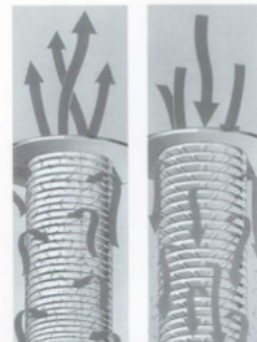
12, 25, 50, 75, 125, 200 & 400 µm

Backwash Control

Manual	hand wash
Valved	hand operated valve
Auto	adjustable duration adjustable interval

The 'zero gravity' coil design means that the filter element is completely and efficiently cleaned with every backwash cycle. This minimises water wastage and reduces backwash frequency. The backwash pressure separates the coils apart, causing all trapped debris to be washed away.

100% Cleaning with Every Backwash

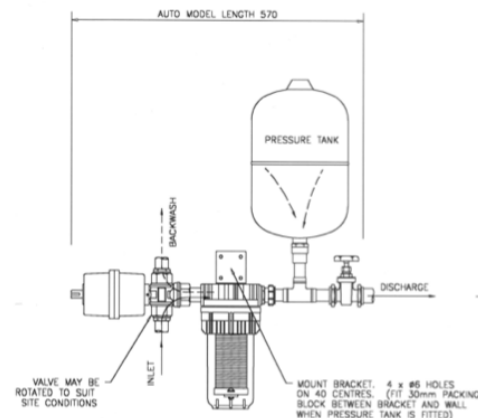
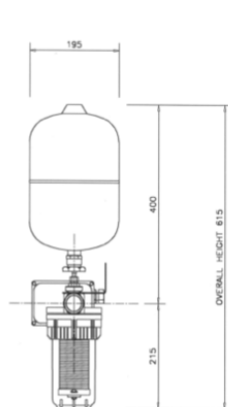


Graph showing flow rates in relation to inlet pressure. Where higher flow rates are required, multiple units can be manifolded together. →



Filter Ratings

The stainless steel filter elements are available in seven different ratings: 12, 25, 50, 75, 125, 200 and 400 microns, and are fully interchangeable. On newly installed, heavily contaminated systems it may be worth starting with a set of coarse 'commissioning' element and then replacing later with a finer rating once the system has settled down.



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