



SLF-Series™

Protect your family and residents from impurities, pathogens and disease found within tank water supplies.

E.Coli, Cryptosporidium and Giardia are only a few lethal pathogens that could contaminate your tank water supplies.

Consumption of these will result in detrimental health implications and serious illness.

The SLF-Series is a combined filtration and UV disinfection treatment system able to remove impurities and safeguard your tank water supplies against these risks.

With three models in the range, the SLF-series provides safe, potable water for small, medium and large houses.

It can also be used in any other water treatment application where the combination of pre-filtration and UV disinfection is required.



Safe drinking water in three steps:

1. **Coarse Filtration** - Removes impurities and sediment larger than 20 microns.
2. **Antibacterial Carbon Block Filtration** - Improves taste, odour and clarity whilst also removing contaminants greater than 5 microns in size.
3. **UV Disinfection** - Inactivates pathogens, bacteria, and viruses.

Benefits

- Convenience – combining filtration and UV disinfection in one unit
- No micro-organism is known to be immune to UV – even the chlorine resistant Giardia and Cryptosporidium
- Economical and efficient operation – disinfecting at the point of use, no contact time required
- No harmful by-products – chemical free, no impact on taste or colour and no corrosion problems
- No risk of overdosing – reducing the risks associated with chemical overdosing
- Easy installation – units are pre-assembled, only connection to inlet and outlet required.
- Peace of mind – power supplies show when UV lamp is in operation and audibly alerts any faults.

Options

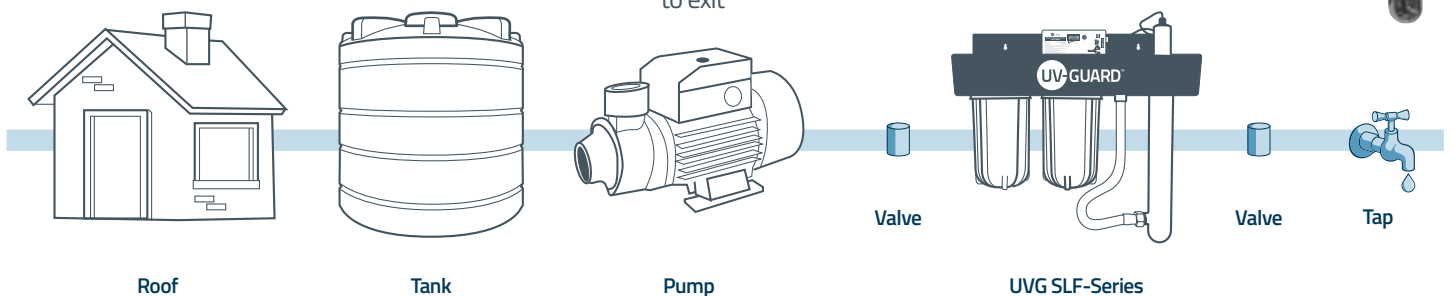
- Pressure gauges - to indicate when filters need replacing
- Lamp life run counter and alert – to indicate when the lamp needs replacing
- Volt free contacts – for remote system status indication
- Industrial IP rated outdoor power boxes and indoor power supplies – customized to suit your requirements
- Temperature management valves

Standard Features

- Heavy duty 10" or 20" poly filter housings – depending on the model required
- Premium Pleated Filter (20 micron) – provides a high surface area for maximum impurity removal whilst prolonging the filter's life
- High performance Antibacterial Carbon Block Filter (5 micron) – Improves taste, odour and clarity whilst also removing contaminants greater than 5 microns in size. The unique composition includes silver to prevent bacteria from colonising on the filter, unlike standard carbon block filters
- High quality 316 grade stainless steel UV reactor – ensures longevity of the system
- BSP threaded connections – for ease of connection to plumbing infrastructure
- Heavy duty mounting bracket – system permanently mounted securely
- Lamp fail alarm – alerts user and prevents untreated water from being consumed
- Innovative high output, low pressure UV lamps – target UV dose is maintained throughout lamp life
- Pure fused quartz sleeves – allows optimum UV output from the lamp to the water
- Lamp parallel to water flow – water disinfected from chamber entry point to exit



UVG SLF40, SLF75 with IP65 rated weatherproof power box



House Size	Model	Peak flow rate*	Inlet/outlet Connection	Coarse Filtration	Antibacterial Carbon Block Filtration	UV Lamp Power (W)	Dimensions (cm)
Small	UVG SLF30	35 lpm	1" female BSP/ 3/4" male BSP	10" 20 Micron Pleated Filter	10" 5 micron Antibacterial Carbon Block Filter	30	60l x 20w x 65h
Medium	UVG SLF40	45 lpm	1" female BSP/ 1" male BSP	20" 20 Micron Pleated Filter	20" 5 micron Antibacterial Carbon Block Filter	40	60l x 20w x 97h
Large	UVG SLF75	75 lpm	1" female BSP/ 1" male BSP	20" 20 Micron Pleated Filter	20" 5 micron Antibacterial Carbon Block Filter	75	60l x 20w x 97h

*Approximate flow rates calculated using 'UVCalc' software and are based on a UV transmittance (UVT) of 85% and a UV dose of 30 mJ/cm² at the end of lamp life.