

## 16 Watt/10-inch UV Filter System

Thank you for purchasing an Arctica Pure Water UV Sterilisation unit.

Our 16 **Watt systems** are made up of 2 filters followed by a 16 Watt Ultraviolet purification light. It is available in 15mm pipe size.

We recommend using a certified plumber to install. Please note that the unit is water resistant, but not waterproof. They are designed to be installed inside. If they are installed outdoors they need to be enclosed in a waterproof cabinet.

**The First Filter** is a 10-inch 5 micron pre-filter to remove solids such as sand, visible dirt, rust particles and leaves. This is designed to be used with visually clear water. If your supply is coming from questionable source such as direct from a stream, you may need a settling tank or a large micron pre-filter prior to this unit.

### Servicing/upkeep

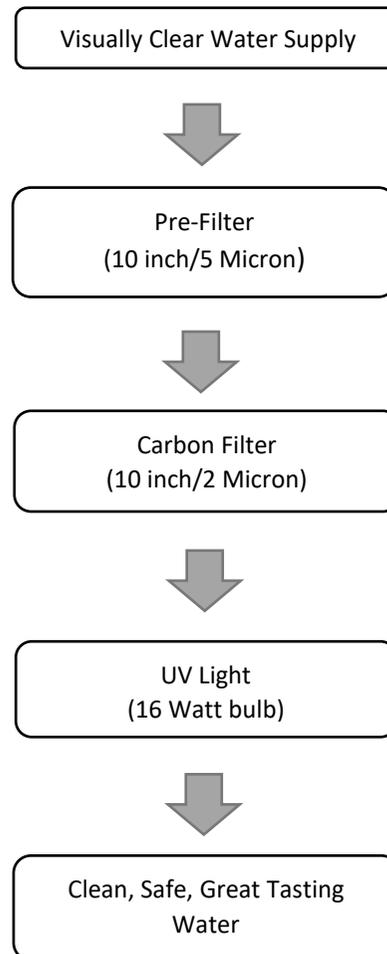
Check this first filter after 1 month and clean with a 5% chlorine solution (Janola or similar) then 3 monthly. The filter will need replacing when substantial evidence of dirt and grime is evident. Every 6-12 months. Dependent on your water quality.

**The Second Filter** is a 10- inch 2 micron Activated Carbon Block filter unit. This removes chlorine and many heavy metals, plus most volatile organic compounds.

### Servicing/upkeep

Check Carbon filters every 3 months.  
The 2 Filters should be replaced every 12 months regardless of condition, more often if badly soiled.

A spanner to tighten or loosen the casings is provided.



### Pressure Gauges

We have also added two pressure gauges to your unit. These should show a similar pressure. If the second gauge becomes substantially lower than the first, this is an indication that your filters are blocking up and need changing.

### 16 Watt Ultraviolet light

A UV light (UV C) encased in a stainless-steel reactor is the final stage in water purification, killing +99% of bacteria and spores using ultraviolet radiation. It is not to be used without the filters being in place. The 16 Watt UV has a protective capacity of 12 litres per minute.

The UV light is controlled by a ballast/transformer unit.

The Ballast has a green and a red indicator light inside.

- If green is showing, the UV is working fine.
- If Red is showing the UV light has blown.

A buzzing sound will also be heard.

**Safety: The radiation from the UV lamp is dangerous. The unit must always be switched off before exposing the UV lamp from its casing. Radiation from the UV C rays is damaging to eyes and skin.**

### Servicing/upkeep

The UV lamp is guaranteed for 6 months, however usually last 9000 hours/12 months. They must be replaced at 12 months as the UV intensity drops slowly over time.

When a replacement lamp is fitted we recommend also cleaning the quartz tube in which the bulb sits within the stainless steel casing.

Please contact our website for pricing information on replacement bulbs and filters. ([www.arctica.co.nz](http://www.arctica.co.nz))