

30 Watt/20-inch UV Filter System

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

Our **30 Watt systems** is made up of 3 filters followed by a 30 Watt Ultraviolet purification light

It comes with 20mm input piping.

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 (20 micron) and Second (5 micron) Filters are 20-inch pre-filters. These will remove solids such as sand, visible dirt, rust particles, and leaves. They are designed to be used with visually clear water.

Servicing/upkeep

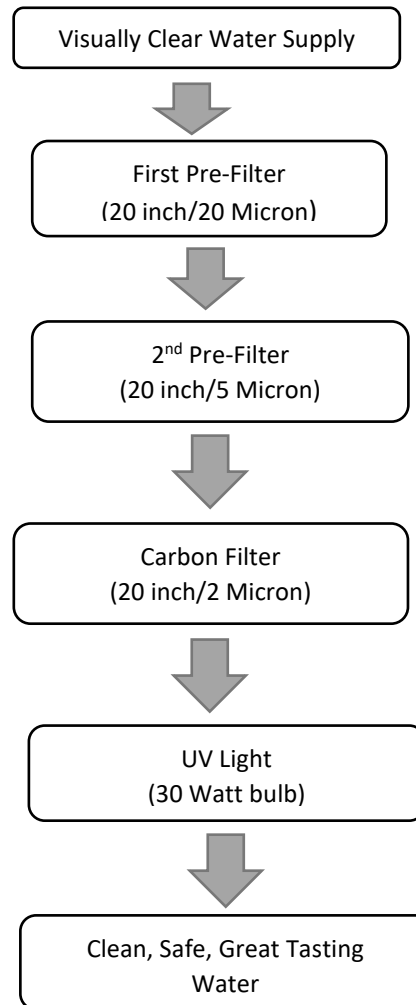
Check these filters after 1 month and clean with a 5% chlorine solution (Janola or similar) then 3 monthly. The filters will need replacing when substantial evidence of dirt and grime is evident. Every 6-12 months. Dependent on your water quality.

The Third Filter is a 20 inch Activated Carbon Block filter unit. These remove chlorine and many heavy metals, plus most volatile organic compounds.

Servicing/upkeep

Check Carbon filter every 3 months.
All 3 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.



30-Watt Ultraviolet light

A UV light (UV C) encased in a stainless-steel reactor is the final stage in water purification, killing any bacteria and spores using ultraviolet radiation. It is not to be used without the filters being in place. The UV has a protective capacity of 30-35 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)