

25 Watt/20-inch UV Filter System

Thank you for purchasing an Arctica Pure Water UV Sterilisation unit. Our **25 Watt systems** are made up of 2 filters followed by a 25 Watt Ultraviolet purification light. Available in 20mm input piping size

We recommend using a certified plumber to install.

This unit is designed to be mounted undercover e.g. in a pumphouse or a garage.

First Filter is a 20-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

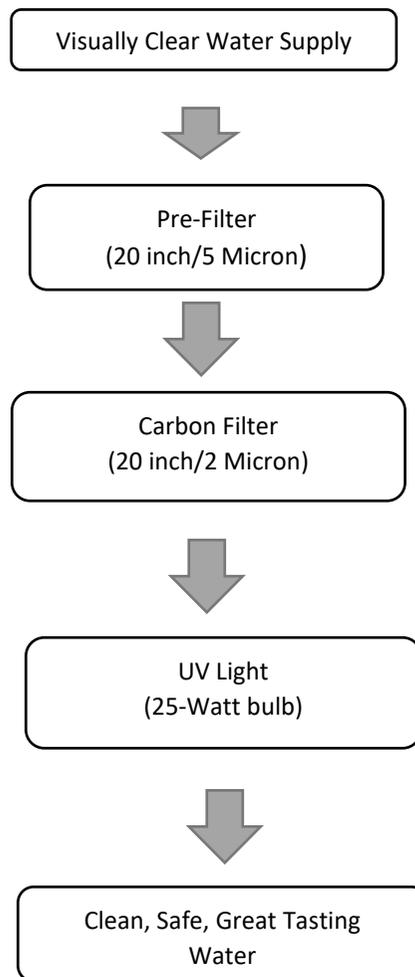
Check this first filter after 1 month and clean with a 5% chlorine solution (Janola or similar) then 3 monthly. The filter will need replacing when substantial evidence of dirt and grime is evident. Every 6-12 months. Dependent on your water quality.

Second Filter is a 20 inch Activated Carbon Block filter unit. These remove chlorine and many heavy metals, plus most volatile organic compounds. These Filters also assist in reducing bacteria population (eg giardia, e coli, cryptosporidium etc)

Servicing/upkeep

Check Carbon filter every 3 months. Both Filters should be replaced every 12 months regardless of condition, more often if badly soiled or you notice a reduction in water pressure.

A spanner to tighten or loosen the casings is provided.



25-Watt Ultraviolet light

The UV light (UV C) encased in a stainless-steel casing 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 25 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)