

Ultra-Violet (UV) Systems

If your household water is from a 'private' water supply you need to be confident of its safety with regard to bacteriological contamination.

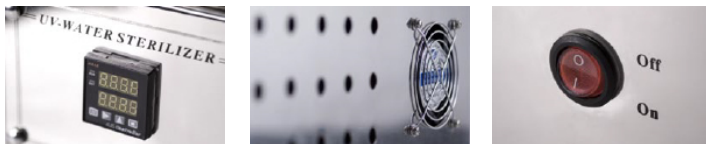
UV light is effective against bacteria, viruses, mould spores, algae and other micro organisms.

A typical UV system will comprise

- Stainless steel chamber
- UV lamp
- Quartz sleeve to separate water from the UV lamp.
- Electrical box

When selecting an ultraviolet system care must be taken to choose a model that is powerful enough to treat the flow required. If the flow is faster than specified the water passes through the chamber too fast for the UV light to effectively kill all the bacteria.

Where levels of sediment are high or water is cloudy a pre-filter should be fitted as shadowing from the particles could stop the UV light reaching the organisms.



Commercial 220W UV Unit

We are able to install UV systems with advanced features such as

- Booster set interlock. This shuts down the booster set in the event of UV failure or the lamp intensity dropping below it's effective limit.
- Telemetry. This notifies you of UV failure (as well as other system parameters) by either text or email.



55W UV Unit

UV does not create toxic substances or alter the taste or chemical properties of the water. It is a safe and reliable method of sterilisation. However, once water has passed through the UV system it should not be stored.

Carter Pumps stock a range of replacement parts including UV lamps, quartz tubes and o-rings.

Carter Pumps can also help with . . .

Water analysis.

Water treatment. Including nitrate removal, softening, particulate filtration and sodium hypochlorite dosing.

Booster sets

Water storage tanks

Installation service

Maintenance contracts

Telemetry systems



☎ 01380 734900

✉ sales@carterpumps.co.uk

🌐 carterpumps.co.uk

CarterPumps

Beechfield Road, Hopton Industrial Estate,
Devizes, Wiltshire, SN10 2DX