



3 Stage Underbench UV Sterilizer & Filtration System



Tap
(Not Sold
with unit)

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Carbon Filter

Take Off Valve and
Hose (Not Sold
with unit)

Pre-Filter Recommended (Not sold with
unit)

Pressure Reducing Valve-
unit)

TWIN FILTER & UV SYSTEM

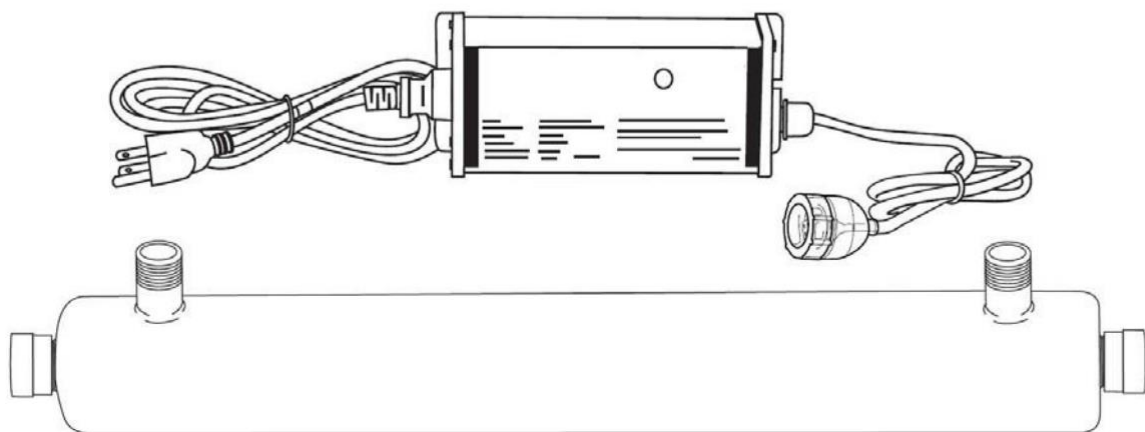
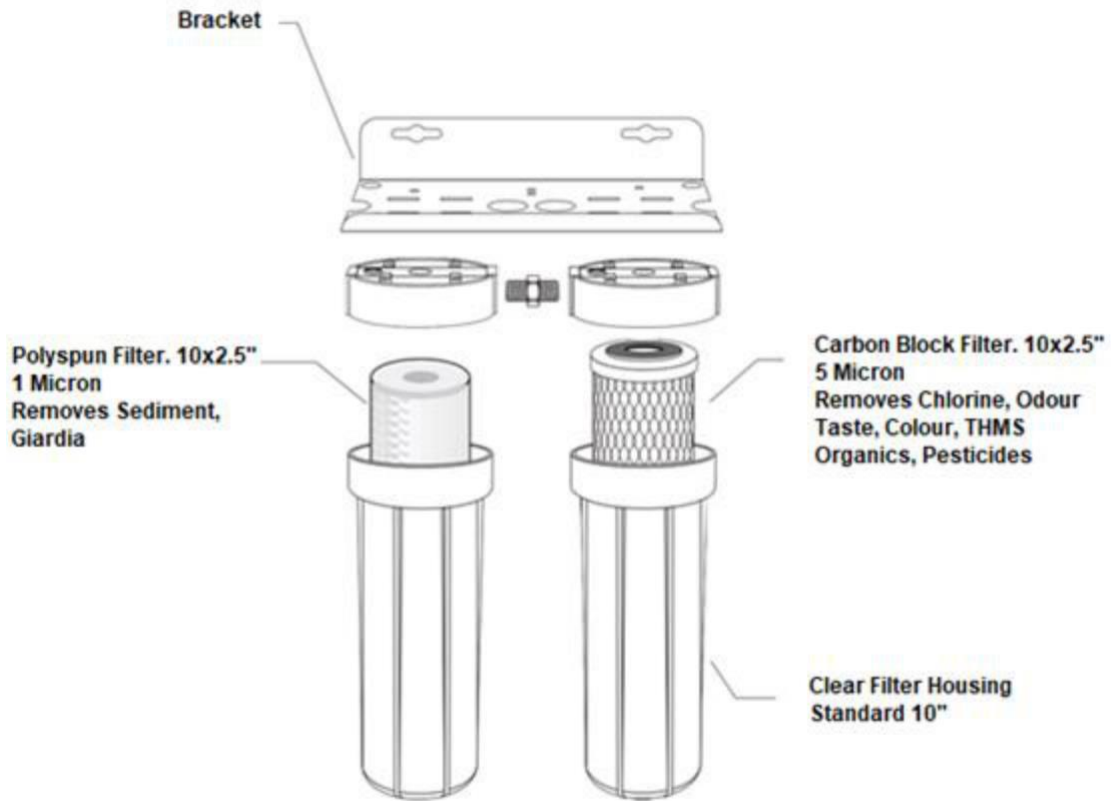
An under-sink water filter system is the best value for money filtration system available. No clutter on the bench top, instant filtered water always and is a good alternative to other methods of water treatment for town and rural water supplies.

The **Trevoli 3 Stage Underbench UV Sterilizer and Filtration system** is made from tough polycarbonate material and conforms to the internationally accepted size.

Trevoli's 3 Stage system is specifically designed to provide the most cost-efficient filtration system for areas where the supplied water has high levels of particulate matter. This can prematurely block a carbon-based filter long before the medium has become exhausted. By providing a pre-filter to remove the sediment and other particulate, the more expensive carbon filter is given longevity and a chance to do what it is designed for - removing chlorine, taste, pesticides, volatile and organic carbons. The filters recommended are a Trevoli Poly spun or Poly pleated sediment removal filter & 5-micron carbon filter to serve alongside the UV.

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The Trevoli 3 Stage Underbench system is designed for both mains and rainwater supply, offering premium filtration. This filter system is highly effective in neutralising 99.9% of bacteria and parasites in your water (such as E-coli, Salmonella & Giardia)



How it works:

- * Stage 1 - Spun PP filter removes particles suspended in water (basically anything you can see)
- * Stage 2 - Carbon block filter reduces chlorine, odour, sand, salt and rust particles.
- * Stage 3 - UV steriliser neutralises 99.99% of harmful bugs

Features Include:

- * Environmentally Friendly - no chemicals added to water and no water chemistry change
- * Dual filtration for extra sediment capacity
- * Stainless steel tap faucet

Technical Features:

- * Max Working Pressure: 130 psi
- * Operating Temperature: 4°C - 40°C
- * Maximum Flow Rate: 9 Lpm
- * Connection Size: 6mm
- * Lamp Wattage: 6w

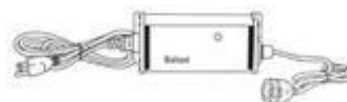
UV Dosage:

- * Flow rate @40mJ/cm²: 3 Lpm
- * Flow rate @30mJ/cm²: 5 Lpm
- * Flow rate @16mJ/cm²: 9 Lpm

Basic Ballast Signals:

- * RED Light- Operating
- * GREEN Light- Fault
- * If unit is beeping or flashing this signifies a fault- Check lamp is working (without looking directly at it)
- * Check for other signs including water marks around lamp pins, any water leakage or water in or around ballast

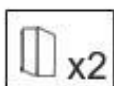
UV Unit Includes:



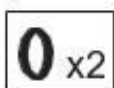
Ballast (Includes lamp connector)



UV Lamp



x2 Retaining Nut



x2 Quartz Sleeve Sealing O-Ring



Quartz Sleeve



Stainless Steel UV Reaction Chamber

System Specifications:

| Model | Power Consumption (Watts) | Lamp Watts | I/O Port Size (mm) | Chamber Length (mm) | Chamber Diameter (mm) | Flow Rate (LPM) ⁽¹⁾ @ 16 m J/cm ² ⁽²⁾ | Flow Rate (LPM) ⁽¹⁾ @ 30 m J/cm ² ⁽²⁾ | Flow Rate (LPM) ⁽¹⁾ @ 40 m J/cm ² ⁽²⁾ |
|-------|---------------------------|------------|--------------------|---------------------|-----------------------|--|--|--|
| UV6 | 8 | 6 | 6 | 255 | 63 | 9 | 5 | 3 |

Troubleshooting:

| Problem | Possible Cause | Suggested Solution |
|---|---|---|
| Warm water output | Water sitting in UV reaction chamber and heating up due to infrequent use | Run tap for a short period of time |
| Unit leaking water | Misaligned or cross-threaded connections on inlet / outlet ports | Reinstall to ensure a solid connection with ports |
| | Excessive water pressure | Install pressure regulator ahead of system |
| | Water hammer* causing pressure spikes | Install a "Water Hammer" arrestor in system |
| No power to UV lamp when system is plugged in | GFCI wall socket is tripped | Reset, following manufacturer's instructions provided with the outlet |
| | | Check socket with other appliances |
| System has power but UV lamp is not coming on (RED LED off, GREEN LED flashing) | Lamp not installed correctly | Ensure lamp is installed correctly with electrical fitting (must be snug) |
| | Lamp failure | Replace UV lamp |
| System is vibrating | Not mounted securely | Secure fasteners |
| | Water hammer* causing vibrations | Install a "Water Hammer" arrestor in system |
| Excessive heat generated | Not being allowed sufficient space for cooling | Clear space for cooling (min. 15-30 cm clearance around unit) |
| | Operated in an excessive ambient temperature | Unplug unit until temperature is within ambient operating conditions |
| | Water temperature is too high | Ensure treatment is on cold water side only (prior to heating of water) |



WARRANTY TERMS & CONDITIONS

(Subject to the provisions of the Consumers Guarantee Act)

1) Vortex Distributors Ltd warrants that the TREVOLI UV products that we distribute are free from defects in workmanship and materials, for 2 YEARS from the date of purchase. Subject to the conditions of the warranty Vortex Distributors will repair any defective products free of charge at the premises of our authorized service agents throughout New Zealand.

2) This warranty is a back to base & excludes transportation costs to and from Vortex Distributors or its appointed service agents and excludes defects due to noncompliance with installation instructions, neglect or misuse, inadequate protection against freezing, low voltage or use or operation for purposes other than those for which they were designed. For further information regarding the suitability of your intended application contact us.

3) The 2 YEAR warranty refers only to TREVOLI products sold after the 1st July 2006, and is not transferable to another TREVOLI product and only applies to the original owner, purchaser or end user, and is subject to the Consumers Guarantee Act.

4) Our warranty commences from the date of purchase of the above mentioned UV System. Proof of purchase is required before consideration under warranty is given

(Note: UV Lamp has a PRO RATA Warranty)

Record your date of purchase in the space below and retain this copy for your records.

Date of Purchase:

Model Purchased:

Invoice #:



Vortex Distributors

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