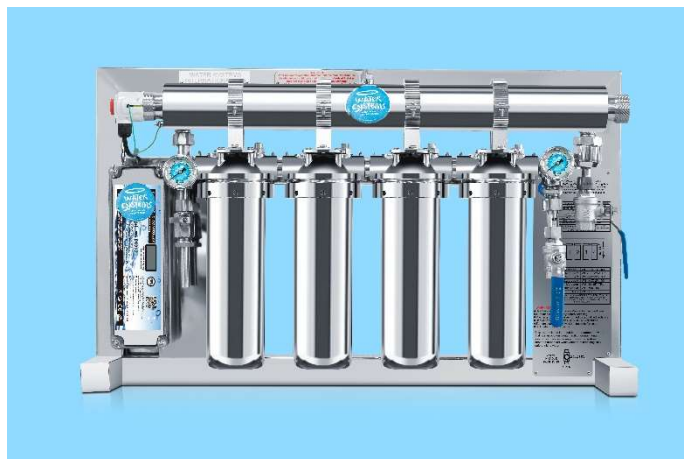


UV Filtration System

WSA4



Connections	12mm / 0.5"
Flowrate	25 Lpm @ 125psiG
Dosage	50 mJcm ² / 95% UVT
Filtration	200 m3 cartridge life
Feed Water	Min 1°C (33°F) Max 25°C (77°F)
Weight	35 kg dry

General overview

- Designed for **1 or 2 occupants in a small building using untreated water supply**

Annual Service Kit (WSA4NSK) containing:

- WSI-32-357-T5L qty 1 (32w 800mA UV Lamp)
- WSI-T5S qty 1 (1 set of Silicon Wedge Seals - replace after cleaning quartz sleeve)
- WSI-T5B qty 1 (1 set of Nylon Spacer Rings – allows end caps to smoothly tighten against the seals)
- WSI-PTC25-1020 qty 1 (Standard 10" 20m Pleated cartridge)
- WSI-PTC25-1005 qty 1 (Standard 10" 5m Pleated cartridge)
- WSI-32-250-10 qty 1 (Standard 10" 5m Carbon cartridge)
- WSI-PPC25-1001 qty 1 (Standard 10" 1m Meltblown cartridge)

***Hang on its 2 x SS brackets, connect to the inlet /outlet and plug in.
Simplicity at its best***

Major features include:

- Filters:** 100% Stainless Steel for superior life
- UV Chamber:** Double welded internally polished chamber
- Connections:** UV Chamber via SS 0.5" Unions: Filters via Oring Spigots
- Sealing:** All connections sealed with either 3.2mm N90 Nitrile washers or Nitrile Orings
- Assembly** All Stainless Steel frame that is fully adjustable for aligning to inlet/outlet piping

Compliance to NZ Drinking Water Standards Tables 5.6 & 10.1

- Rigid 5m final cartridge– **Complies** – Carbon 5 micron fitted as **Standard**
- Continuous alarm monitoring lamp life & outage– **Complies** - Digital controller fitted as **Standard**
- UV Sensor low light alarm– **does not comply** – Sensor Ballast & Sensor not fitted
- Dosage to always exceed 40 mJ/cm² @ 70% UVT– **does not comply**



WSA4



Specifications

- Quartz Sleeve: 500 x 23 mm (T5)
- Lamp: 1 x Hi Output 32 watt UV sterilizing lamp
365-daylife to safeguard against water borne diseases, bacteria, E. coli, Giardia and Crypto.
- Power Supply: Gel filled ballast /controller encased in IP rated box to protect from all forms of moisture, RCM Licensed
- Filtration: Four 10" Standard Filters
- Piping: 304SS pipe fittings& Unions and UV chamber; 0.5" BSP connections (F)
- Mounting: Stainless Steel Frame; 750mm x 450mm x 165mm
- Shipping Carton: 0.8 x 0.5 x 0.2 (0.08 m3); 35kg

Typical Installation

- Compact design for under bench installation
- Fix the two SS brackets to studs, then hang the system onto the brackets
- Inlet and outlet pipes connect to the 0.5" (F) ball valves
- Systems should not be installed outside even with a cover in freezing conditions

Maintenance

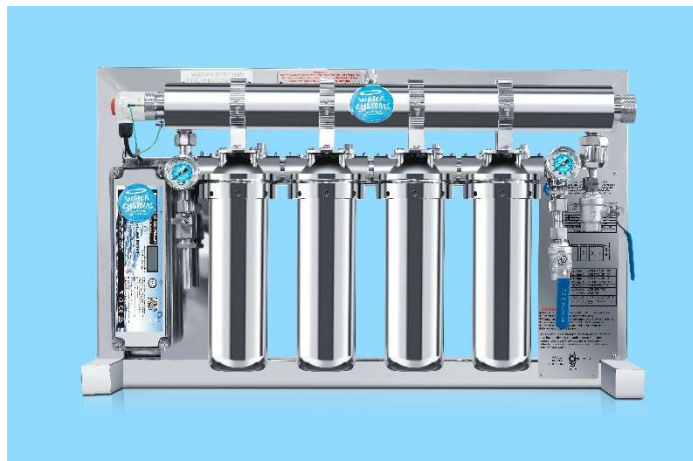
- End of Lamp life signaled by digital countdown display from 365 day to 7 days then alarm
- To replace the UV lamp remove the quartz sleeve & clean; refit with new seals

Warranty

- We warrant the ultraviolet disinfection and filtration system's hardware and electrical systems to be free from defects in material and workmanship for a period of three (3) years from the date of purchase (invoice date) by the original owner (consumer).
- The ultraviolet lamp to be free from defects in material and workmanship for a period of 10000 hours (1 year).
- We will at our option and expense, either repair or replace such items subject to certain conditions, exceptions, and exclusions as detailed in the System Manual.



WSA4



Water Quality

Do not use the System with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

If this System is to be used for the treatment of untreated surface waters or ground water under the direct influence of surface water, a device found to be in accordance with Cyst Reduction under the appropriate NSF/ANSI Standard shall be installed upstream of the System.

Water passed through the unit must fall within the following parameters:

- Iron: < 0.3 ppm (0.3mg/L)
- Hardness* :< 7 gpg (120 mg/L)
- Turbidity: <5 NTU
- Manganese: < 0.05 ppm (0.05 mg/L)
- Tannins: < 0.1 ppm (0.3 mg/L)
- UV Transmittance: > 75% (call factory for recommendations on applications where UVT < 75%)



This System has been fitted with WSUVK30N UV Chamber Kit that has been tested by NSF International for structural integrity & Lead content.

NSF Testing

- While NSF testing was performed under standard laboratory conditions, actual performance may vary.

End

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