

Filtration System

WSR3P

Manufacturer Rated



Connections	25mm / 1.0"
Flowrate	83 Lpm @ 60psiG
Dosage	16 mJcm ² / 70% UVT
Filtration	3 x J10" cartridges
Feed Water	Min 1°C (33°F) Max 25°C (77°F)
Weight	35 kg dry

General overview

- Designed for *untreated water supplies*, typically installed in residences supplied with rain / ground water
- Fitted with a *Certified NSF55B UV Kit*, (WSUVK80N)

Annual Service Kit (WSR3SK) containing:

- WSI-80-846-T5L qty 1 (80w 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-PTC45-1005 qty 1 (Jumbo 10" 5m Pleated cartridge)
- WSI-32-450-10 qty 1 (Jumbo 10" 5m Carbon cartridge)
- WSI-PPC-5-1001 qty 1 (Jumbo 10" 1m Meltblown cartridge)

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

Major features include:

- UV Chamber Kit: NSF55B Certified
- Connections: SS 1.0" Unions that seal with 3.2mm rubber gaskets for 'hand tight' sealing.
- Assembly: Rigid all stainless steel frame with unique sliding rail mounting for filters. Brackets finned for superior heat dissipation.

Compliance to NZ Drinking Water Standards Tables 5.6 & 10.1

- Rigid 5m final cartridge– **Complies** – 1m Meltblown fitted as **Standard**
- Continuous alarm monitoring lamp life & outage– **Complies**
- UV Sensor low light alarm– **Not applicable**
- Dosage to always exceed 40 mJ/cm² @ 70% UVT– **Not applicable**



WSR3P



ALL WEATHER cover included

Specifications

- Quartz Sleeve: 930 x 23 mm (T5)
- Filtration: Three 10" Jumbo Filters
- Piping: 304SS pipe fittings & Unions and UV chamber; 1.0" BSP connections (F);
- Mounting: Stainless Steel Frame;
- Dimensions: 1040 x 560 x 250
- Shipping Carton: 1.1 x 0.6 x 0.3 (0.2 m³); 35kg
- Cover: All weather formed cover

Typical Installation

- For ease of servicing chest height is recommended
- Systems should not be installed outside even with a cover in freezing conditions
- Fix the backing plate via two SS brackets to studs, then hang the system onto the brackets
- Connect the inlet and outlet pipes to the 1" (F) ball valves

Maintenance

- Annually Service; clean the Quartz Sleeve & change cartridges (use the WSR3SK service kit)
- Interim Service; at 6 months (use cartridge set WSFC3J10) if 'shower pressure' gets low

Warranty

- We warrant the filtration system's hardware 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).
- 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.



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 WSUVK80N UV Chamber Kit that has been tested up to 83 Lpm by NSF International against NSF/ANSI Standard 55 for Class B Disinfection Performance.

NSF/ANSI 55

- This Class B UV Kit conforms to NSF/ANSI 55 for the disinfection of microbiologically contaminated water that meets all other Public Health standards. The System is not intended to convert waste water or raw sewage into drinking water. The System is intended to be installed on visually clear water.
- NSF/ANSI 55 defines wastewater to include human and/or animal body waste, toilet paper, and any other material intended to be deposited in a receptacle designed to receive urine and/or feces (blackwaste), and other waste materials deposited in plumbing fixtures (greywaste).

NSF Testing

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

End

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