

Multi-Stage Rainwater Filtration Unit

The Rainfilter is a multi-stage filtration unit specially designed for the filtration and treatment of rainwater in recycling applications. This system is designed to provide high water flow and low pressure drop, with a maximum flow rate of 2.5 m³/hr*. The system comprises of four treatment stages as follows:



› **STAGE 1: HEAVY SEDIMENT**

Stage 1 is a 10 inch 25 micron wound cartridge made of uniform and consistent polypropylene thread resulting in a large filtration surface with enhanced filtration efficiency. The 25 micron cartridge is in place to remove heavy sediment. Cartridges are disposable and should be changed as water quality dictates.

› **STAGE 2: FINE SEDIMENT OVAL**

Stage 2 is a 10 inch 5 micron wound cartridge. The 5 micron cartridge is in place to remove fine sediment and protect the UV system from Turbidity, which can affect disinfection performance of the UV system. Cartridges are disposable and should be changed as water quality dictates.

› **STAGE 3: ULTRA VIOLET DISINFECTION U**

Stage 3 is Viqua UV disinfection system for the purposes of inactivation of bacteria and viruses in the incoming water supply. This UV system has an integral countdown timer to indicate when the UV lamp needs to be replaced. UV lamps degrade over time and must be replaced every 12 months.

› **STAGE 4: ODOUR REMOVAL**

Stage 4 is a 10 inch Activated Carbon cartridge. This cartridge is made from coconut shell for the reduction of odour control (CTO) and volatile organic compounds (VOC). Cartridges are disposable and should be changed as water quality dictates.

SPECIFICATIONS

Height (cms)	Width (cms)	Depth (cms)	Max Pressure	*Max Flow Rate @ 16mj/cm ²	*Max Flow rate @ 30mj/cm ²	Inlet / Outlet
100cm	62cm	24cm	6 Bar	2.5m ³ /hr	1.4m ³ /hr	¾" BSPF

REPLACEMENT PARTS PART NUMBERS

25µ Filter	5µ Filter	UV Lamp	Activated Carbon
1009832	1009839	1010206	1009826

Note: The Rainfilter does not produce potable water



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