

eco-pure^{UV}

UV-150 WATER FILTRATION



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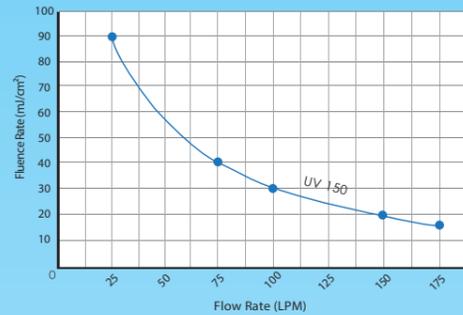
The CEG ECO PURE UV-150 is Entire home All-in-One Triple Filter, twin UV lamp reactor chamber filtration system (UV-150) and is designed to provide safe and healthy water for the whole family. The system kills bacteria using Ultraviolet technology, a natural process on water purification that is chemical free and provides safe and healthy, great tasting water.

The UV-150 Water filtration system is in-cased in a weather resilient, modern design and lockable housing making for quick and easy installation.

It is designed to kill harmful micro organisms in untreated water supplies by using a combination of UV technology and triple filter cartridges. The primary cartridge removes sand, silt, dirt and rust particles down to 20 microns, the secondary cartridge reduces bad taste, odour chlorine, pesticides/sprays and heavy metals down to 5 microns and the third cartridge removes fine sediments and partials down to 1 micron.

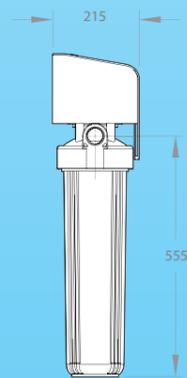
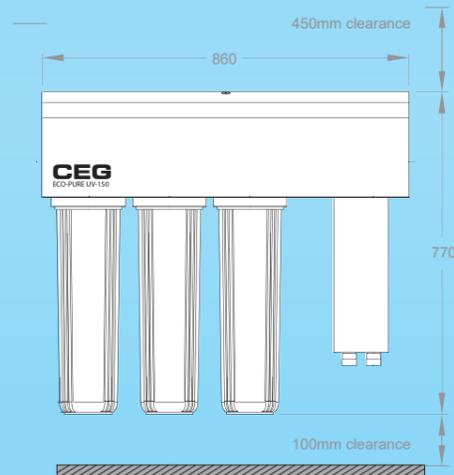
The UV technology in conjunction with the triple filters eliminate 99.9% of bacteria.

UV DOSE FLUENCE FLOW CHART



Drinking-water Standards for New Zealand (DWSNZ) 2005 (Revised 2018)
Compliance criteria 40mJ/cm²

PRODUCT DIMENSIONS:



All dimensions in millimetres

ENTIRE HOME ALL-IN-ONE UV WATER FILTRATION SYSTEM 20" JUMBO TRIPLE STAGE FILTRATION WITH TWIN UV LAMPS



- POWER SAVING**
Automatic or Manual Mode
- DOUBLE O-RING**
Design
- Complete with **BRASS INSERTS**

UV-150
Product code #5610101000

The CEG ECO PURE UV-150 entire home UV disinfection system provides a reliable, economical, and chemical-free way to safeguard drinking water in any residential application.

SPECIFICATIONS:

Flow rate @40mJ/cm ²	75 LPM
Flow rate @30mJ/cm ²	100LPM
Flow rate @20mJ/cm ²	150LPM
Flow rate @16mJ/cm ²	175LPM
Min Working Pressure	2 bar (200kPa)
Max. Working Pressure	8 Bar (800 kPa)
Max. Working Temp range	5°C - 40°C
Inlet Connection Size	25mm (1" BSP)
Outlet Connection Size	20/25mm (¾"/1" BSP)

PRODUCT CODES:

Stage 1 Poly Pleated Cartridge	20 Micron	#5575050000
Stage 2 Block Activated Carbon Cartridge	5 Micron	#5575210000
Stage 3 Poly Spun Sediment Cartridge	1 Micron	#5574120000
UV Lamp 48W x 2		#5680101000.010
Quartz Tube x 2		#5680101000.020
Ballast Controller		#5680101000.030

Replace cartridges every 3-6 months with genuine Eco-Pure cartridges.



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DESIGNED FOR BOTH MAINS AND RAINWATER SYSTEMS
MANUFACTURED TO MEET NEW ZEALAND AND AUSTRALIAN STANDARDS





Six precision mounting points at 400/500/600/800mm centers for quick and easy installation.

Neatly concealed, digital controller that monitors lamp life, fault alarm and total running days. This specialised feature provides the user with security from untreated water being consumed.

Air bleed valve for releasing trapped air in the filter housing.

25mm threaded inlet connection with brass inserts that ensure durability and product longevity.

In-cased in a weather resistant, aluminium powder coated, anti-tamper proof housing complete with lockable lid.

Three 20" jumbo housings with double 'O-rings' for greater flow capacity in order to remove an extensive range of sediments, tastes, odours and chemicals.

Stage 1: Coarse Sediment Filtration. 20 micron Poly Pleated cartridge removes sand, silt, dirt and rust particles and has up to 7 times more holding capacity than traditional filters

Stage 2: Fine Sediment Filtration. 5 micron Block activated carbon cartridge which reduces bad taste, odour, chlorine and heavy metals while improving clarity.

Stage 3: Ultra-Fine Filtration. 1 micron Poly spun cartridge removes ultra-fine sediment particles to optimise the UV sterilisation at the final stage.

1.5m lead plug with IP66 weather proof plug.



Power on/off switch
Power saving automatic or manual mode.

Multi 20mm and 25mm outlet connection which provides ease of installation.

The unique inline design UV reactor chamber optimises flow rate, while reducing the need for an external hose and minimises system leakage and flow loss. The 133mm diameter twin lamp UV reaction chamber is designed using state of the art CAD processes and hydrodynamic technologies. This enables the lowest possible velocity of water.

Quartz sleeves are pure fused giving superior optical and thermal conductivity due to its purity. This allows optimal transmission of the UV spectrum and protection into the water.

The inline inlet tube carries the water to the bottom of the chamber and diffuses it in a spiraling upward motion, optimising the UV exposure time of the water. This maximises water sterilisation and overall disinfection efficiency.

Comprised of 304 stainless steel, the chamber provides resistance, longevity and maximisation of internal reflection, which aids the lamp efficiency.

Stage 4: UV Bacterial Filtration. This final stage eliminates 99.9% of bacteria and applies the latest CEG technology. The unique germicidal lamps are made in the USA and use advanced technology and provide wavelength of 253.7nm, the perfect sterilisation for your families drinking water.

Stage 1

ECO-PURE POLY PLEATED
20 micron cartridge



Designed to remove sand, silt, dirt and rust particles from drinking water. These elements have up to 7 times more holding capacity than traditional poly spun cartridges. Suitable for repeated re-use by simply washing in warm soapy water.

- High flow rates improving water pressure and flow
- High dirt holding capacity lengthens cleaning intervals
- Pre-treatment for poly spun elements and UV treatment systems

Stage 2

ECO-PURE BLOCK ACTIVATED CARBON
5 micron cartridge



Designed to reduce unpleasant taste and odours as well as removing fine sediment. This design makes it an excellent filter for removing contaminants to ultimately produce cleaner, clearer and simply better tasting water.

Reduces:

- Bad Taste and Odour
- Chlorine
- Pesticides and agricultural sprays
- Metals such as lead

Stage 3

ECO-PURE POLY SPUN
1 micron cartridge



Provides high efficiency filtration for the removal of sediment in water supplies removing sand, silt, dirt and rust particles.

Ideal for:

- Mains drinking water
- Rainwater
- Dam water / Bore water
- Pretreatment for UV treatment systems

Stage 4

ECO-PURE UV-150 LAMPS
253.7nm 48W Lamps



Ultra-Violet lamps utilise the electromagnetic energy of light to offer protection against harmful substances in water by attacking them at their genetic DNA core.

Inactivates pathogens, bacteria and viruses such as:

- E.coli
- Cryptosporidium
- Giardia



* Excludes Cartridges