

UV & FILTRATION

How does UV work?

UV water disinfection is a natural process which does not add any chemicals into your water, nor alter the water chemistry. Ultraviolet light energy inactivates harmful microorganisms such as bacteria and viruses by disrupting the DNA, effectively preventing them from multiplying and causing illness. The pathogens are destroyed in the time water passes through the disinfection chamber. E-coli, Cryptosporidium, and Giardia lamblia are examples of waterborne microorganisms that cause numerous gastrointestinal illnesses which are easily controlled with UV disinfection.

Benefits of UV Sterilization

UV water treatment offers many advantages over other forms of water treatment for microbiological contaminants. Most importantly, it does not introduce any chemicals to the water, it produces no bi-products, and it does not alter the taste, pH, or other properties of the water. Accordingly, in addition to producing safe drinking water, it is not harmful to your plumbing and septic system. Furthermore, it is easy and cost-effective to install and maintain without any special training. UV light is capable of killing microorganisms such as bacteria, viruses, molds, algae, yeast, and oocysts like cryptosporidium and giardia. Ideally a UV system should be installed with water filters.



RURAL



BACH



DAIRY



URBAN

UV & FILTRATION

WHOLE HOUSE FILTRATION

Depending on what you require Trevoli has all your UV and filtration needs covered, from single filter housings to a large whole house system with 3 housings and a large twin lamp UV can. We have filters to take out sediment, colour, taste, giardia, chlorine pesticides and odour. Our UV systems can cope with a maximum volume up to 168lpm they also meet the council standard of 40 mJ/cm2 (66lpm for 110w can) and (33lpm for 55w can) We have options for de-ionising and softening town supply water. Trevoli UV lamps should be changed every 12 months, the lamps lose their intensity and stop sterilising after this time, filters should be changed every 3 - 12 months depending on the quality of the water being filtered. Trevoli water filtration products have a 12 month warranty guarding against faulty workmanship.



Model	Wattage	Lpm	Max Lpm	Inlet	Outlet	Max Pressure	Length	Width
55w CAN	55	45	84	20mm	20mm	125 psi	910mm	65mm
110w CAN	110	90	168	25mm	25mm	125 psi	910mm	110mm

Model	Description	Micron	Width
BB10	10 Inch Big Blue housing	N/A	4.5 inch
BB20	20 Inch Big Blue housing	N/A	4.5 inch
10PP01	10 inch polypropylene	1	4.5 inch
10PP10	10 inch polypropylene	10	4.5 inch
10PL20	10 inch pleated	20	4.5 inch
10CT001	10 inch carbon	1	4.5 inch
20PP01	20 inch polypropylene	1	4.5 inch
20PP10	20 inch polypropylene	10	4.5 inch
20PL20	20 inch pleated	20	4.5 inch
20CT001	20 inch carbon	1	4.5 inch

Model	55W Can	110w Can	BB10 Housing	BB20 Housing	Dual filter	10" 1 mic	10" 10 mic	10" 20 mic	20" 1 mic	20" 10 mic	20" 20 mic	10" Carbon	20" Carbon	Small House	Medium House	Large House	Rain Water	Bore Water
UV-OPT 1	✓		✓		✓												✓	
UV-OPT 2	✓		✓			✓		✓									✓	
UV-OPT 3	✓		✓				✓	✓				✓					✓	
UV-OPT 4		✓	✓				✓										✓	
UV-OPT 5		✓		✓	✓				✓		✓						✓	
UV-OPT 6		✓		✓	✓					✓			✓				✓	✓
BB-OPT 1			✓		✓									✓			✓	
BB-OPT 2			✓			✓		✓						✓			✓	
BB-OPT 3			✓				✓	✓						✓			✓	
BB-OPT 4			✓				✓							✓			✓	
BB-OPT 5				✓	✓				✓		✓						✓	✓
BB-OPT 6				✓	✓					✓			✓				✓	✓