

ULTRA FRESH's Uvy Series

(UV STERILIZER)

ULTRA FRESH's Uvy Series, Ultra Violet light (UV-C) disinfection system in drinking water. Disinfecting the drinking water with UV light will ensure that viruses, bacteria, algae and other pathogens are not harmful in the water supply. This process is accomplished without adding any harmful chemicals to drinking water. UV technology provides an environmentally friendly way to keep the water disinfected and is available for residential, Cottage and commercial application.

Ultra Violet light (UV-C), Wavelength 253.7 nm function excellently in sterilization, which results from the pattern of ray absorption of cells, that is, great absorption by base pairs in DNA, triggering a mutation in the DNA, which cause immediate death of the bacterium or their reproduction failure.



UV system are not maintained correctly due to a lack of awareness about the system.

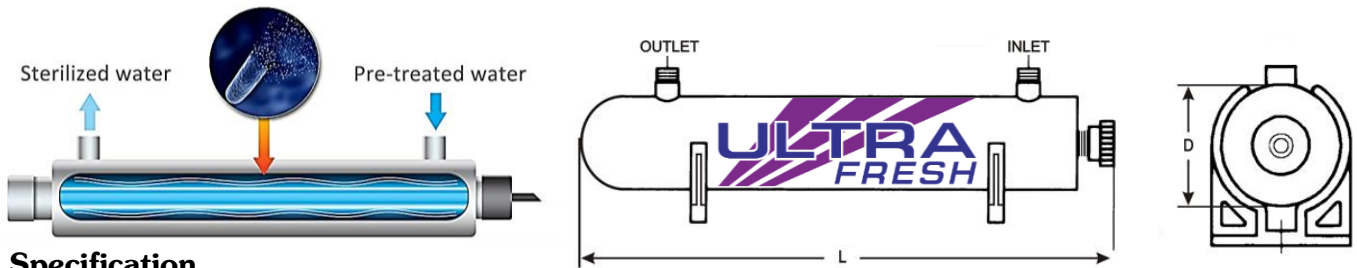
UV lamp require an annual lamp change for most system.

Quartz sleeves require cleaning and periodic replacement to be effective.

Chamber Material : SS304

Pre treatment of the water is necessary to ensure proper disinfection and 5 Micron filtration is required ahead of UV system.

Hardness, Iron foul the Quartz sleeve and decrease system effectiveness.



Specification

Model	Flow Rate	Inlet/ Outlet size	Lamp Watt	Dimensions	Ave. Service
	(GPM)	(Inch MNPT)	(W)	(L x Dia.)-cm	(Hours)
UVY 6W	0.5	1/4	6	30x5.1	8000
UVY 12W	1	1/4	12	33x6.3	8000
UVY 16W	2	1/2	16	55x6.3	8000
UVY 25W	6	3/4	25	87x6.3	8000
UVY 30W	8	3/4	30	91x6.3	8000
UVY 35W	10	3/4	35	91x6.3	8000
UVY 55W	12	1	55	91x10.2	8000

