

U. V. STERLIZER MODEL SWE - 30 (CAPACITY 3000 LTRS / HOUR)

INTRODUCTION :

It is an exclusively Electronic Device using the extra high intensively Ultra Violet rays for the destruction of water borne micro-organisms (Bacteria, Virus, etc) with high efficiency and reliability for high purity water conforming to WHO/USEPA/APHA.

The method of purification is highly economical as compared to boiling or chlorination/de-chlorination of water. The water purified by UV rays doesn't change color, odor, taste & its chemical properties.

The water purified by its process doesn't require subsequent chlorination, boiling or use of any other disinfectant. In fact, it has been proved to be far superior to standard chlorine disinfection which fails to kill the stronger micro-organisms present in water.

TECHNICAL SPECIFICATION :

1. Max. Flow. : 3000 Ltrs/hr.
2. Inlet & Outlet connections : 1" BSP coupling OR 1" TC Fitting.
3. No. of U. V. Lamps : 2 Nos. U. V. Lamps 40Watts. (PHILIPS - Polland)
Life of lamps = 9000 working hrs , 30,000 MICRO W-S/CM2
Maximum Out Put Efficiency -99.90%, UV Lamp Out Put -15W
Wavelength-2537Angstrom Or 254 Nanometer
(UV Intensity -49.60 Milli Jwils For 1 UV Lamp x 2=99.2Mili Jwils)
(49600 Micro watts/cm2 For 1 UV Lamp x 2= 99200 microwattss/cm2)
4. Quartz Jacket silica : 2 Nos. Quartz Jacket Silica (Made in France) UV. Lamp protected in a high transmission, quality quartz jacket for peak UV. Radiation. Also protected UV Lamp from any Water Quality.
5. Working Pressure : Max. 7.5 kg/cm², Min. 0.5 kg/cm²
6. Design Temperature : 5 Dig C To 100 Dig C
7. U. V. Chamber : SS 316 Electro polished internal & Out side chamber. Purification chamber for life time corrosion free service
8. Flange System : Removable flanged head for easy disassembly
9. Drain system : Drain ports to facilitate periodic cleaning of chambers
10. Manual wipers : Cleaning of Quartz Jacket to assure operating efficiency.
11. Lamps Monitor : Indicates functioning of the Ultra Violet Lamp.
12. Power supply : Standard 230/250V 50Hz, 5Amp. AC total 100 Watts
13. Dimension : O.D.: 114mm, Width: 300mm, Weight :40Kg.,
Thickness :1.6mm, Length : 1000mm, Height: 180mm
14. Auto Power Box Dimension : Width: 135mm, Length: 300mm, Height: 75mm.
15. Hour Meter : 1 No. (Each for One Power Box)
16. UV Intensity Monitor Count : 1,000 Microwatts/cm² = 1 Micro Jwils

