

**U. V. STERLIZER MODEL SWE - 100 / SIX CAVITY ( CAP.10000 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 of chlorination / declorination of water. The water purified by UV rays doesn't change colour, odour, taste & its chemical properties.

The water purified by it is 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. : 8000 TO 10000 Ltrs/hr.
- 2. Inlet & Outlet connections : 50 NB Table 10 'D' Flange or 2" BSP Coupling
- 3. No. of U. V. Lamps : 6 Nos. U. V. Lamps 40 watts. ( 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 -38.85 Milli Jwils For 1 UV Lamp x 6 = 233.1 Milli Jwils)  
(38850 Micro watts For 1 UV Lamp x 6 = 233100 Microwatts)
- 4. Quartz Jacket silica : 6 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 260 Watts
- 13. Dimension : Shell :- O.D.: 260 mm, Thick :2 mm, Length: 1000 mm, Width: 400 mm, Weight : 30 Kg., Height : 350 mm
- 14. Auto Power Box Dimension : Width: 320m, Length : 410 Height : 75mm
- 15. Hour Meter : 1 No. (Each for One Power Box)
- 16. UV Intensity Monitor Count : 1,000 Microwatts/cm2 = 1 Micro Jwils

