

NUMATIK ENGINEERS PVT.LTD.

U. V. STERLIZER MODEL NO. SWE - 75 (CAPACITY 7500 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. : 7500 Ltrs/hr.
2. Inlet & Outlet connections : 2" BSP cuppling or 50 NB Table 'D' Flange.
3. No. of U. V. Lamps : 4 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 -42.35 Milli Jwils For 1 UV Lamp x 4 =169.4Milli Jwils)
(42350 Micro watts/cm2 For 1 UV Lamp x 4 =169400 Microwattss/cm2)
4. Quartz Jacket silica : 4 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 Electropolished 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 : O.D.: 200 mm, Width: 900 mm, Weight :100 Kg.,
Thickness :2 mm, Length : 1000 mm, Height : 300 mm
14. Auto Power Box Dimension : Width: 205 mm, Length : 305 mm, Height : 75 mm
15. Hour Meter : 1 No. (Each for One Power Box)
16. UV Intensity Monitor Count : 1,000 Microwatts/cm² = 1 Micro Jwils

