

# NUMATIK ENGINEERS PVT.LTD.

## U. V. STERLIZER MODEL NO. SWE - 7 ( 750 LPH )

### 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 / dechlorination of water. The water purified by UV rays doesn't change colour, odour, 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. : 750 Ltrs/hr.
2. Inlet & Outlet connections : 3/4" BSP coupling
3. No. of U.V.Lamps : 2 Nos. U.V. Lamps 16 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 -3.9W  
Wavelength-2537Angstrom Or 254 Nanometer  
(UV Intensity - 17.580 Milli Jwils - For One UV Lamp x 2 =35.16 Milli Jwils )  
(17580 Micro watts/cm2 - For 1 UV Lamp x 2 =35160 Microwattss/cm2 )
4. Quartz Jacket silica : 2 Nos. Quartz Jacket Silica (Made in France )  
UV. Lamp protected in a high transmission, quality quartz for peak UV.Radiation. Also protected UV Lamp from any Water Quality.
5. Working Pressure : Max. 7.5 kg/cm2, Min. 0.75 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. Lamps Monitor : Indicates functioning of the Ultra Violet Lamp.
11. Power supply : Standard 220/230V 50Hz, 5Amp. AC total 20 Watts
12. S.S. Chamber Dimension : O.D.: 76 mm, Width: 150mm, Weight : 5Kg,  
Length 325 mm, Height : 150 mm, Thickness : 1.6 mm.
13. Power Box Dimension : Height : 80mm, Length : 300mm, Width : 100mm.

