

**U. V. STERLIZER MODEL NO. SWE-15 ( CAPACITY 1500 LTS / 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 / dechlorination 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 :**

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|-------------------------------|---|
| 1. Max. Flow.                 | : 1500 Ltrs/hr.   |
| 2. Inlet & Outlet connections | : 3/4" BSP Coupling OR 1" TC  |
| 3. No. of U.V.Lamps           | : 1 Nos. U.V.Lamps 40 watts. ( PHILIPS - Polland )<br><b>Life of lamps = 9000 working hrs, 30,000 MICRO W-S/CM2</b><br>Maximum Out Put Efficiency -99.90%, UV Lamp Out Put -15W<br>Wavelength-2537Angstrom Or 254 Nanometer<br><b>(UV Intensity - 56.40 Milli Jwils For 1 UV Lamp )</b> |
| 4. Quartz Jacket silica       | : 1 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. 0.75 kg/cm2   |
| 6. Design Temperature         | : 5 Dig C To 100 Dig C  |
| 7. U.V.Chamber                | : SS 316 Electro polished internal & Out side chamber.<br>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 220/230V 50Hz, 5Amp. AC total 20 Watts   |
| 13. Dimension                 | : O.D.: 76.5 mm, Width: 150mm, Weight : 15Kg.,<br>Thickness :1.5 mm, Length : 1000 mm, Height : 200 mm  |
| 14. Auto Power Box Dimension  | : Width: 90 mm, Length : 300 mm, Height : 75 mm   |
| 15. Hour Meter                | : 1 No. (Each for One Power Box)  |

