STERI FLO® ULTRAVIOLET STERILIZERS

Long recognized as an effective purifying agent for hospital operating rooms, laboratories, food processing plants, etc. ultraviolet sterilization is also widely used to purify contaminated drinking water. It kills bacteria without chlorine or other chemicals so has no cancer-causing by-products. UV sterilization also destroys many algae spores, helping to control the algae growth.

This unit consists of cabinet-enclosed stainless steel sterilizing chamber(s) through which water flows past specially built ultraviolet glass tubes. These special tubes transmit powerful ultraviolet rays at 2,537 Angstrom units through a quartz sleeve to kill or neutralize micro-organisms in water. Steri Flo sterilizers have been effectively treating drinking water in storage tanks, and swimming pools since 1949.

EASY TO INSTALL
Steri Flo sterilizers can be quickly and easily installed. It is important to install the unit on the outlet of the filter so that water is first filtered, then sterilized. Simply break the line and connect to water-in and water-out of the sterilizer.

EASY TO MAINTAIN
When intensity meter indicates cleaning is necessary, it takes less than 5 minutes to remove and wipe the quartz sleeves with cloth or replace tubes if necessary. For maintenance purposes, you should leave 40” of vertical clearance for access to these tubes.

INEXPENSIVE TO OPERATE
Steri Flo tubes have a life expectancy in excess of ordinary fluorescent tubes. Replacement is rarely required more often than once every 12 months. Electrical connections can be made through the pump switch so that the sterilizer operates only when water is circulated. The Steri Flo unit costs no more to operate than a light fixture.

The sterilizer comes with a flow regulator on discharge line to maintain flow and ensure an exposure dosage of at least 40,000 µwatt-sec/cm². Also included is a high powered ballast, fuse, UV intensity meter, power safety switch, encased in white enamel housing with stainless steel cover, and a 6 foot electrical cord.

OPTIONAL PRE-FILTER
Suspended solids in the water (turbidity) can reduce the effectiveness of the UV sterilization. Water should always be filtered prior to entering the UV sterilizer. Consult the factory for pre-filtration options.

### STERILIZER FEATURES
- **EFFECTIVE GERMICIDAL**: Kills micro-organisms which cause water borne diseases
- **PURITY**: No chemicals or toxic products used
- **LOW COST OPERATION**: Energy consumption equal to ordinary fluorescent tubes
- **EASY TO INSTALL**: Uses standard plumbing connections and grounded electrical outlet
- **EASY TO MAINTAIN**: Quartz sleeve and UV tubes can be cleaned or replaced in minutes

### STERI FLOW ULTRAVIOLET EFFECTIVENESS*

<table>
<thead>
<tr>
<th><strong>BACTERIA</strong></th>
<th>µw-sec/cm²</th>
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</thead>
<tbody>
<tr>
<td>Bacillus anthracis</td>
<td>8,700</td>
</tr>
<tr>
<td>Dysentery bacilli</td>
<td>4,200</td>
</tr>
<tr>
<td>Escherichia coli</td>
<td>6,600</td>
</tr>
<tr>
<td>Salmonella</td>
<td>10,500</td>
</tr>
<tr>
<td>Shigella dysenteriae (dysentary)</td>
<td>4,200</td>
</tr>
<tr>
<td>Eberthella typosa</td>
<td>4,100</td>
</tr>
<tr>
<td>Streptococcus faecalia</td>
<td>10,000</td>
</tr>
<tr>
<td>Legionella pneumophila</td>
<td>12,300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PROTOZOA</strong></th>
<th>µw-sec/cm²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorella vulgaris (algae)</td>
<td>22,000</td>
</tr>
<tr>
<td>Blue-green algae</td>
<td>420,000</td>
</tr>
<tr>
<td>Bacteriophage (E. coli)</td>
<td>6,600</td>
</tr>
<tr>
<td>Giardia lamblia (cysts)</td>
<td>100,000</td>
</tr>
</tbody>
</table>

* Amount of UV energy necessary for destruction of organisms measured in µw-sec/cm²

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UV STERILIZER UNIT
Cut-away illustration showing UV tube, quartz sleeve and sensor

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[Image: Steri Flo UV Sterilizer Unit diagram]

**STERI FLO® ULTRAVIOLET STERILIZERS**

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**FILTRINE IS ISO 9001-2008 REGISTERED**
PRODUCT LINE APPROVED MARK AVAILABLE
MADE IN USA NSF / ANSI 372 LEAD COMPLIES WITH

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1508-S [EB] REV. 01.06.16
**Model S Sterilizer Schematic**

**Front View**
- Water In
- Water Out
- Sterilizer Chamber
- UV Tubes

**End View**
- Water Out
- UV Intensity Meter (Optional)
- Power On/Off Switch
- Metal Tray

**Features**
- Enameled Steel Cabinet
- Lift-Off Top Access Panel
- 304L Stainless Steel Sterilizing Chamber
- Flow Regulator On Discharge Line
- Drain Connection
- On/Off Switch
- Electrical: 110-120/60/1 Standard

**Options**
- UV Intensity Meter
- 316L Stainless Steel Sterilizing Chamber
- Electrical: Specify ____________ Consult Factory

**In-Line Steri Flo Sterilizer Selection Chart**

|-----------------|---------------------|----------------------|----------|-------------------|-------------------|-------------------|-------------------|--------------|