

STERI FLO® ULTRAVIOLET STERILIZERS



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*	
BACTERIA	
Bacillus anthracis	8,700
Dysentary bacilli	4,200
Escherichia coli	6,600
Salmonella	10,500
Shigella dysenteriae (dysentary)	4,200
Eberthella typosa	4,100
Streptococcus faecalia	10,000
Legionella pneumophila	12,300
PROTOZOA	
Chlorella vulgaris (algae)	22,000
Blue-green algae	420,000
Bacteriophage (E. coli)	6,600
Giardia lamblia (cysts)	100,000
* Amount of UV energy necessary for destruction of organisms measured in µw-sec/cm ²	

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

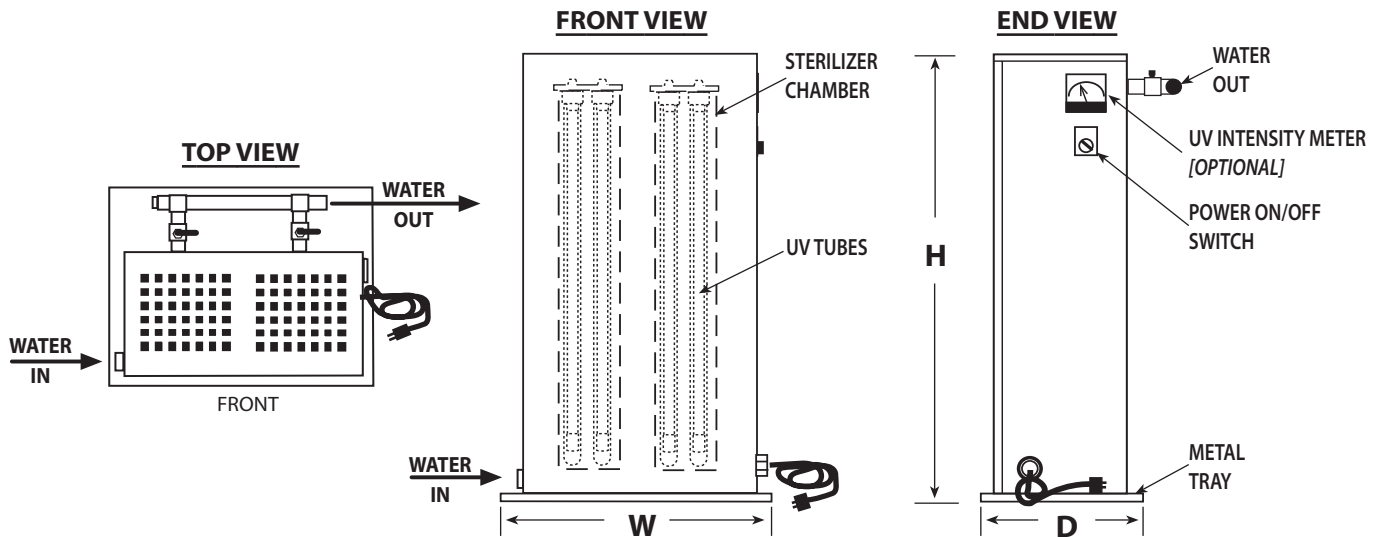
Steri Flo tubes have a life expectancy in excess of ordinary fluorescent tubes. Replacement is rarely required more often than once every 12 months. Electrical connections can be made through the pump switch so that the sterilizer operates only when water is circulated. The Steri Flo unit costs no more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

MODEL S STERILIZER SCHEMATIC



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

STERI FLO® MODEL	FLOW RATE	STERILIZING CHAMBERS	UV TUBES	UV TUBE ORDER No.	DIMENSIONS			WATER IN/OUT
					W	D	H	
	gpm [lpm]				in [mm]	in [mm]	in [mm]	
S15-05	15 [56]	1	1	31.0053	14 [36]	14 [36]	48 [122]	3/4 [19]
S30-05	30 [113]	1	2	31.0053	14 [36]	14 [36]	48 [122]	1 [25]
S60-05	60 [227]	1	4	31.0053	14 [36]	14 [36]	48 [122]	1 -1/2 [38]
S120-05	120 [454]	2	8	31.0053	24 [61]	32 [81]	50 [127]	2 [51]
S180-05	180 [681]	3	12	31.0053	34 [86]	32 [81]	50 [127]	2 [51]
S240-05	280 [908]	4	16	31.0053	44 [118]	32 [81]	50 [127]	3 [76]