



STERI FLO® ULTRAVIOLET WATER STERILIZERS

WITH 5 MICRON PARTICULATE PRE-FILTER/TASTE MASTER® PURIFIER – 5-140 GPM FLOW RATE



MODEL IL-SF-TM FEATURES

STAGE ONE: PRE-FILTER

- **FILTERED WATER:** Water is clear and free of most particles
- **INCREASED PURIFIER EFFICIENCY:** Filter reduces turbidity in water increasing purifier effectiveness
- **EASY TO MAINTAIN:** Filter elements can be replaced in minutes without tools

STAGE TWO: TASTE MASTER® PURIFIER

- **ENHANCED WATER APPEARANCE:** Water is clear and particle-free
- **INCREASED UV EFFICIENCY:** Filter reduces turbidity in water increasing UV radiation effectiveness
- **ENHANCED WATER QUALITY:** Organic tastes and odors are removed from source water
- **EASY TO MAINTAIN:** Purifier elements can be replaced in minutes without tools

STAGE THREE: STERI FLO UV WATER STERILIZER

- **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

MAINTENANCE

- Replace filters and purifiers every 4 months or more often if required.
- Change UV bulbs after 10-12 months of constant use.

THE SAFE ALTERNATIVE TO CHLORINE

Steri Flo® ultraviolet sterilizers kill bacteria without chlorine or other chemicals and therefore have no cancer-causing by-products. They are recommended as an alternative to chlorine treatment for rural homes on well systems and as added protection for hospitals, office buildings, etc. where cryptosporidium and other micro-organisms may be retained in the bio-film on the walls of city water mains.

UV radiation, with a wavelength of 2,536 angstrom, is produced from a low pressure mercury lamp. The lamp is encased in a special high-purity quartz sleeve which is immersed in water inside of the stainless steel sterilizing chamber which are easily removed as a bundle for inspection or cleaning. By regulating the flow of water through this chamber, disease-causing micro-organisms, such as bacteria, algae, spores and viruses are exposed to a dose of at least 40,000µw-sec/cm² – over twice the dosage required to ensure safe drinking water.

Sterilizer includes high powered ballast, fuse, power safety switch, all inside a white enameled cabinet with 6 foot electrical cord.

PRE-FILTRATION IMPROVES WATER QUALITY AND STERILIZATION PROCESS

Pre-filter (Model PF) removes most particulate matter, improving the clarity of the water and extending the life of the Taste Master purifier.

TASTE MASTER® PURIFIER IMPROVES WATER QUALITY AND STERILIZATION PROCESS

The **Taste Master purifier** uses activated carbon block elements on water inlet to remove lead, organic tastes and odors, chlorine taste/odor and sediment to 5 microns. Plus, this element eliminates particulate shadowing in the UV sterilization chamber increasing the destruction rate of water-borne pathogens.

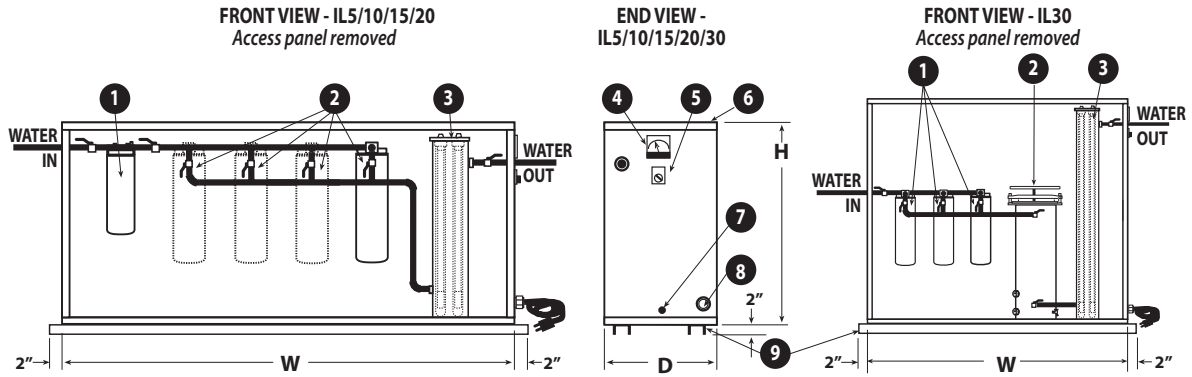
The Taste Master purifier and the pre-filter both have the same Filtrine “Dual Seal” design which improves filtration and eliminates seal leakage, common to ordinary cartridges which rely on compression seals.

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 pneumophilia	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/cm²

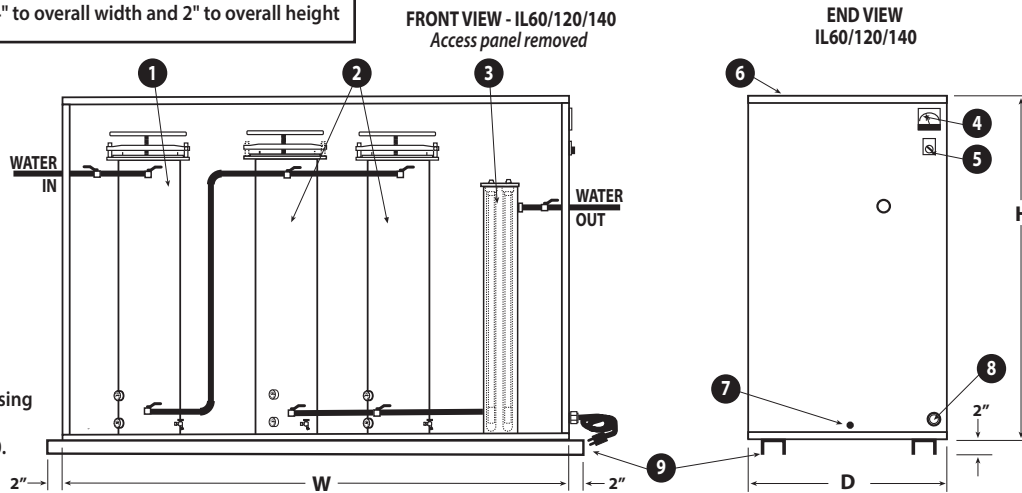


Models IL5-SF-TMS / IL10-SF-TMS / IL15-SF-TMS / IL20-SF-TMS / IL30-SF-TM
 Shown with optional cabinet: Stainless steel frame and enameled aluminum lift-out access panels



- Steri Flo® UV Sterilizers feature:**
- 1 Pre-Filter
 - 2 Taste Master Purifier*
 - 3 UV Sterilizer
 - 4 UV Meter [Optional]
 - 5 On/Off Switch
 - 6 Lift-Off Top Access Panel
 - 7 Drain Connection
 - 8 Electrical Connection
 - 9 2" X 3" Channels Skids
- NOTE: Skids add 4" to overall width and 2" to overall height

Models IL60-SF-TM / IL120-SF-TM / IL140-SF-TM
 Shown with optional cabinet: Stainless steel frame and enameled aluminum lift-out access panels



*There is [1] purifier housing for IL60 and [2] purifier housings for IL120/IL140.

5.0 MICRON IN-LINE STERI FLO® FILTER / PURIFIER / UV STERILIZER SELECTION CHART

MODEL NUMBER	RATED-FLOW* GPM	PRE-FILTER			TASTE MASTER PURIFIER			UV STERILIZER			DIMENSIONS** INCHES			WATER IN/OUT INCHES	SHIP WT LBS
		[QTY] HOUSING	[QTY] ELEMENTS	ELEMENT ORDER NO.	[QTY] HOUSING	[QTY] ELEMENTS	ELEMENT ORDER NO.	MODEL	LAMPS	LAMPS ORDER NO.	W	D	H		
IL5-SF-TMS	5	[1] PFS6	[1] PFS6-10-5-SP	46.2530	[2] TMS2	[2] TMS2-10-5-CB	46.2623	S5	1	31.0050	42	16	26	3/4	350
IL10-SF-TMS	10	[1] PFS10	[1] PFS10-19-5-SP	46.2324	[2] TMS3	[2] TMS3-19-5-CB	46.2623	S15	1	31.0053	48	16	48	3/4	350
IL15-SF-TMS	15	[2] PFS10	[2] PFS10-19-5-SP	46.2324	[3] TMS3	[3] TMS3-19-5-CB	46.2623	S15	1	31.0053	48	18	48	3/4	400
IL20-SF-TMS	20	[2] PFS10	[2] PFS10-19-5-SP	46.2324	[4] TMS3	[4] TMS3-19-5-CB	46.2623	S30	2	31.0053	54	24	50	1	500
IL30-SF-TM	30	[3] PFS10	[3] PFS10-19-5-SP	46.2324	[1] TM35	[7] TMS3-17-5-CB	46.0623	S30	2	31.0053	54	24	50	1-1/4	750
IL60-SF-TM	60	[1] PF70	[7] PF10-17-5-SP	46.0324	[1] TM70	[7] TM4-35-5-CB	46.0640	S60	4	31.0053	54	24	64	2	800
IL120-SF-TM	120	[1] PF140	[7] PF140-35-5-SP	46.0326	[2] TM70	[14] TM4-35-5-CB	46.0640	S120	8	31.0053	78	28	62	3	1300
IL140-SF-TM	140	[1] PF140	[7] PF140-35-5-SP	46.0326	[2] TM70	[14] TM4-35-5-CB	46.0640	S180	12	31.0053	88	28	62	3	1500

Electrical: 115-120/60/1 (other electrical available, consult factory) *Pressure drop across PF/TMS/TM at rated flow is approximately 10 psi when new. **Dimensions for typical unit.

