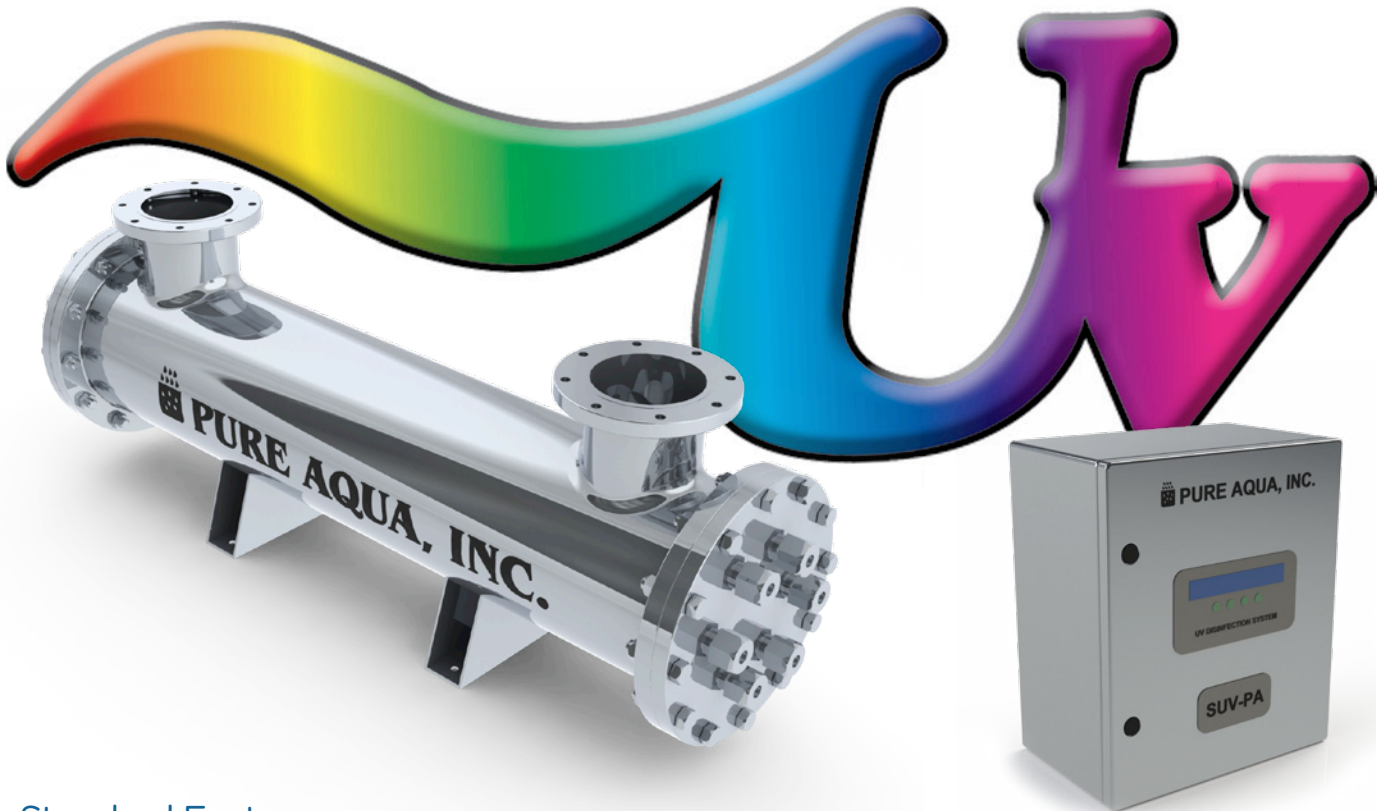


# Industrial UV Sterilizers

Capacity: 40 to 1,300 GPM

**UVI**  
SERIES

Pure Aqua's UVI systems virtually eliminate microbiological contaminants without using potentially hazardous chemicals. Water enters through the bottom port of the ultraviolet generator cell and swirls around a low pressure mercury vapor lamp, which emits powerful ultraviolet light energy at 235.7nm wave length. Bacteria, viruses and other micro-organisms absorb the light energy which disrupts their DNA, and are destroyed safely inside a factory tested stainless steel cell. The treated water then exits through the top port of the cell and is ready for consumption.



## Standard Features

- High output low pressure mercury vapor lamps with high isolation pin design
- Easy servicing - no need to disconnect the inlet water to change the UV lamp
- Quartz sleeve and aluminum gland nuts for optimal operating temperature and sealing
- Remote plug-in and desktop ballast
- 99.9% kill rate on bacteria and viruses
- Stainless steel or aluminum housing
- Seven year warranty on reactor chamber
- Includes mounting clamp and quartz sleeve
- 316 stainless steel reactor chamber
- Lamp failure, power, and total run-time indicators

## Available Options

- True 254nm ultraviolet sensor incorporating individual calibration boards with audible and visual indicators included
- Solenoid output works in conjunction with the ultraviolet alarm, allowing for the stoppage of water flow in the event of low water quality or in case of a power failure
- Infrared output allows for remote monitoring as well as diagnostic tools for service technicians. For remote audible and visual monitoring of the UV sensor, use the optional IR-ALARM
- Hot water sanitization at 170°F (77°C)

# Industrial UV Sterilizers

Capacity: 40 to 1,300 GPM



## Advantages of UV

- 💧 **Effective:** Virtually all microorganisms are susceptible to UV disinfection
- 💧 **Economical:** Hundreds of gallons of water can be purified for a few cents per day
- 💧 **Safe:** No danger or way of overdosing, no addition of hazardous chemicals
- 💧 **Fast:** Water is ready for consumption as soon as it leaves the cell
- 💧 **Easy:** Simple installation and maintenance. Minimum space requirements
- 💧 **Automatic:** Continuous or intermittent disinfection without special attention
- 💧 **No Chemicals:** No chlorine taste or corrosion problems
- 💧 **Versatile:** Capacities available from 40 to 1,300 gallons per minute

## Minimum Water Quality Requirements

- 💧 Fe count is less than: 0.3 mg/l
- 💧 H<sub>2</sub>S count is less than: 0.05 mg/l
- 💧 TSS count is less than: 10 mg/l
- 💧 Mn count is less than: 0.05 mg/l
- 💧 TH level is less than 10 grains per gallon

## Operation Specifications

- 💧 Electrical supply: 100-240V/50-60Hz
- 💧 Max. Operating Pressure: 150 psi (10 bar)
- 💧 Ambient Air: 34-104°F (1-40°C)
- 💧 Water Temperature: 40-104°F (5-40°C)

Model #	Flow Rate (GPM)		Power Consumption	Lamps/ Quartz Sleeves	In/Out Port Size	Dimensions (in.)	Shipping Weight (lbs)
	@ 94% UVT	@ 99% UVT					
SUV-40	40	45	276 W	2	2" Flange	15x40x12	120
SUV-60	60	71	276 W	2	2" Flange	15x40x13.5	120
SUV-78	78	90	360 W	2	2" Flange	15x68x12	120
SUV-90	90	115	276 W	2	3" Flange	21.5x40x15.5	120
SUV-130	130	150	360 W	2	3" Flange	22x68x10	150
SUV-175	175	220	360 W	2	3" Flange	22x68x11	170
SUV-251	251	300	600 W	4	4" Flange	22x68x10	175
SUV-335	335	405	840 W	6	4" Flange	22x68x10	175
SUV-415	415	520	768 W	5	6" Flange	24x68x11	200
SUV-500	500	626	840 W	6	6" Flange	24x68x11	200
SUV-550	550	700	1116 W	8	6" Flange	27x68x12	350
SUV-670	670	850	1116 W	8	6" Flange	44.5x67x14.5	350
SUV-800	800	1070	1116 W	8	8" Flange	46.5x67x16.5	350
SUV-925	925	1200	1116 W	8	8" Flange	48.5x67x18.5	550
SUV-1100	1100	1400	1380 W	10	8" Flange	48.5x67x18.5	550
SUV-1300	1300	1800	1782 W	12	8" Flange	48.5x67x18.5	550

Pure Aqua also supplies: Custom Engineered Solutions, Multimedia Pretreatment, Activated Carbon Pretreatment, Water Conditioning, Chemical Dosing Systems and Ozonation Systems.

 <p>Water Treatment and Reverse Osmosis Systems  <a href="mailto:sales@pureaqua.com">sales@pureaqua.com</a>      Tel: +1-714-432-9996  <a href="http://www.pureaqua.com">www.pureaqua.com</a>      Fax: +1-714-432-9898</p>	<p>Authorized Dealer:</p>   
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