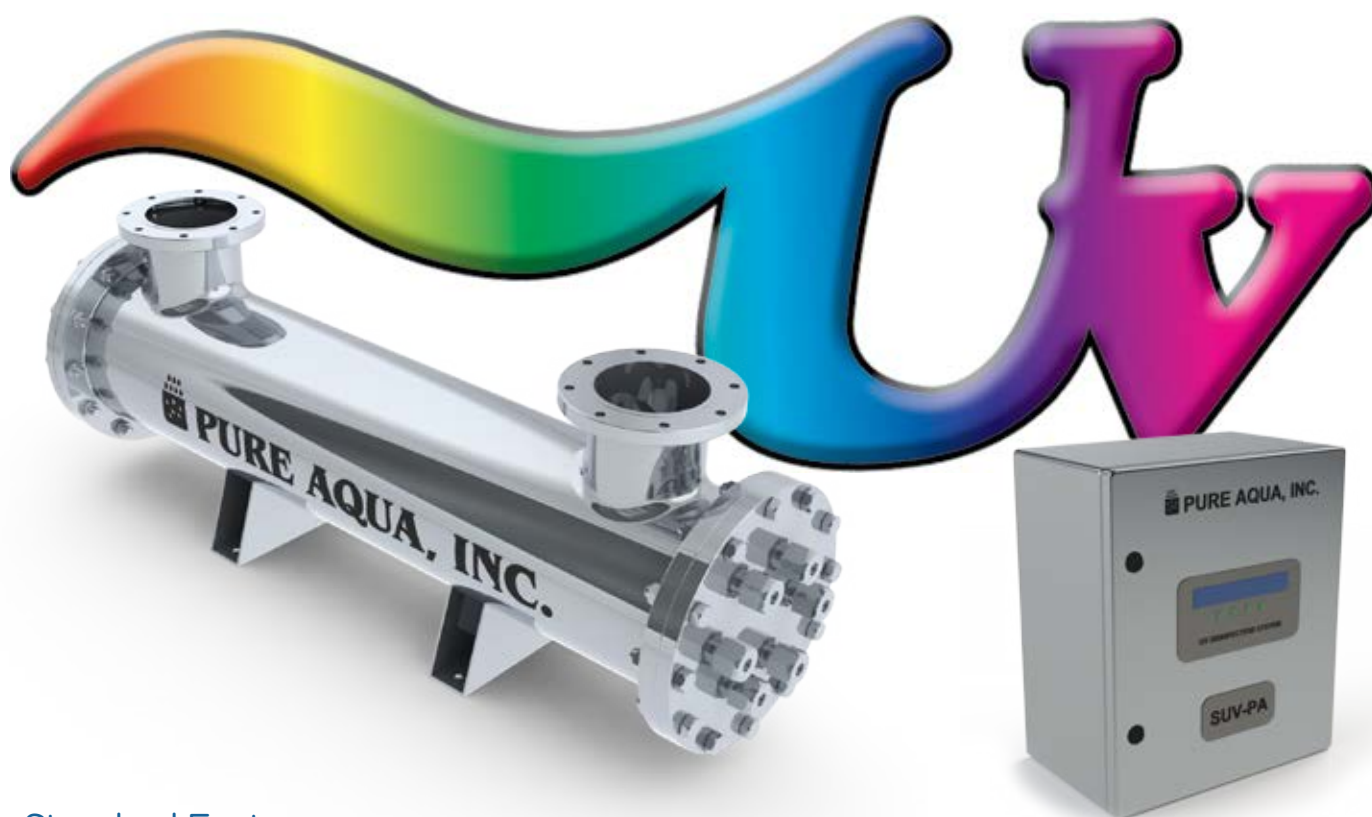


# Industrial UV Sterilizers

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

- Low-pressure high-output lamp technology provides increased process performance and extended lamp life
- Lamp status indicator
- Running time meter
- 304 stainless steel or carbon steel control cabinet (vary by model)
- 316L stainless steel treatment chamber
- Electronic ballast
- Ra 32 internal surface finish
- Single-ended lamp allows quick change-outs without tools

## Available Options

- UL standard
- UV temperature and monitoring system
- Lamp Out Alert (LOA)
- Hand/Off/Auto (HOA)
- 4-20mA output signal
- Sanitary fitting in treatment chamber
- Ra 15 internal surface finish
- Hot water sanitization at 170°F available with stainless steel components, nuts and viton o-rings only

# 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.

 <b>Pure Aqua, Inc.®</b> Water Treatment and Reverse Osmosis Systems sales@pureaqua.com      Tel: +1-714-432-9996 www.pureaqua.com      Fax: +1-714-432-9898		  MEMBER 	Authorized Dealer:
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