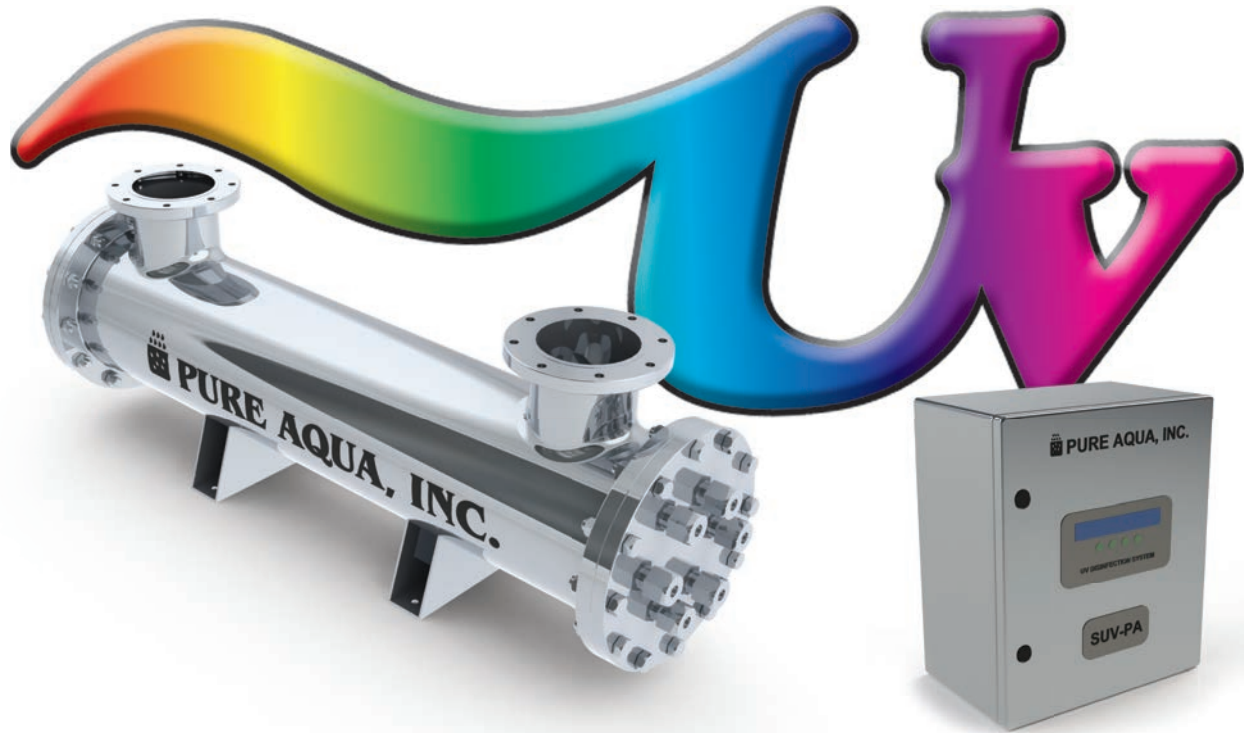


Industrial Ultraviolet Sterilizers

Capacity: 35 to 2,206 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 lamps (LPHO)
- Lamp status indicator
- System hours of operation
- Lamp out alert (LOA)
- Remote start/stop (HOA)
- 304 stainless steel control cabinet
- 316L stainless steel treatment chamber
- Ra 15 internal surface finish
- EPDM Elastomers

Available Options

- UV Monitoring Package: UV intensity reading with NIST certified sensor
- Control Panel: UL Type 4X or UL Type 12
- Control Panel: Sloped Top
- 4-20mA output signal with UV monitoring option
- Viton Elastomers

Minimum Water Quality Requirements

- Fe count is less than: 0.3 mg/l
- H₂S 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
- Turbidity is less than 1 NTU
- Tanning is less than 0.1 mg/l

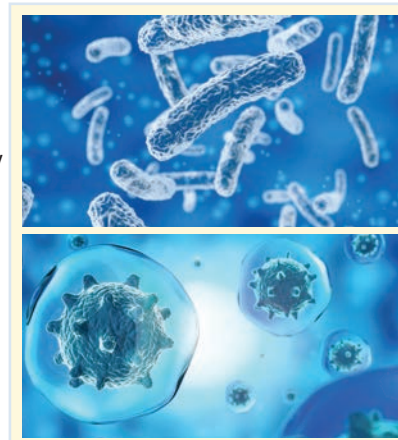
Industrial Ultraviolet Sterilizers

Capacity: 35 to 2,206 GPM

UVI
SERIES

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 up to 2,206 gallons per minute



Specifications		SUV-35	SUV-60	SUV-87	SUV-120	SUV-164	SUV-230	SUV-320	SUV-353	SUV-564	SUV-700	SUV-793	SUV-1080	SUV-1398	SUV-1412	SUV-2206	
Flow Rate (gpm)		35	60	87	120	164	230	320	353	564	700	793	1080	1398	1412	2206	
Number of UV lamps		1	2	3	2	2	4	4	4	4	6	8	8	8	10	12	
Treatment Chamber	Material of Construction	316L Stainless Steel															
	Lamp Length - inch	15			30				60								
	Chamber diameter - inch	6				8	6	8	6	8			10	12	14	16	
	ANSI flanges size- inch	2			3			4			6			8			10
Electrical	Volts	110-240V, 50/60Hz, Single Phase, 2W+GND															
	Power Consumption (W)	63	145	165	155	155	297	297	583	583	1,153	1,438	1,438	1,438	1,723	2,008	
Operating Conditions	Maximum water operating temperature F (C°)	40°-104° (5°-40°)															
	Maximum Operating Pressure PSI (BAR)	150 (10)															
Surface Finish		Ra15															
Elastomers		EPDM															
Control Panel	Material of Construction	304 Stainless Steel															
	Rating	UL Type 1 (IP51)													UL Type 12 (IP54) with Fan		
	Size (HxWxD) in (cm)	16x16x7 (41x41x18)						16x20x9 (41x51x23)						22x23x9 (59x59x23)			
	Shape	Flat Top													Sloped Top		
	Cooling Mechanism	Fan															
	Operating Temp °F (°C)	34°-104°(1°-40°)															
Monitoring and Controls		Base Package: Lamp status indicator, System hours of operation, Lamp out alert (LOA) and Remote start/stop (HOA)															

Note: system designed based on 94% UVT, Dose Level: 30 mJ/cm² after 9,000 hours of operation.

 <p>PURE AQUA, INC. Water Treatment and Reverse Osmosis Systems sales@pureaqua.com Tel: +1-714-432-9996 www.pureaqua.com Fax: +1-714-432-9898</p>	<p>Authorized Dealer:</p> 
---	---