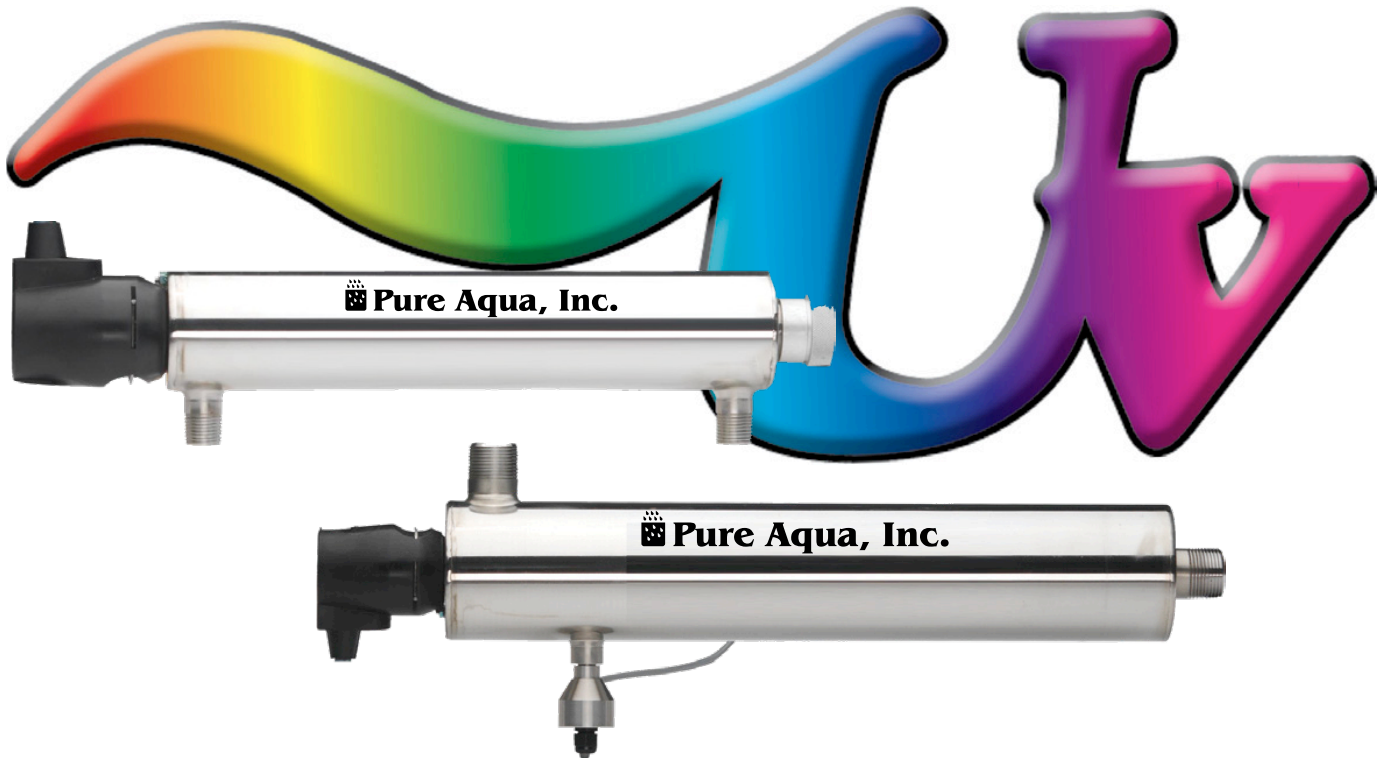


# Commercial UV Sterilizers

Capacity: 2 to 80 GPM



Pure Aqua's UVC 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
- 304 stainless steel reactor chamber
- Audible lamp failure, power, and total running 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

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## 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 2 to 80 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: 125psi (8.62 bar)
- Ambient Temperature: 36-104°F (2-40°C)



Model #	Flow Rate (GPM) (95% UVT EOL)		Power Consumption		Lamp Type	In/Out Port Size	Dimensions (in.)		Shipping Weight (lbs)
	Standard <sup>1</sup>	NSF/EPA <sup>2</sup>	System	Lamp			Reactor	Controller	
S2Q-PA	3	2	22 W	17 W	Sterilume-EX	1/2" MPT	17x2.5	220	6
S5Q-PA	6	5	30 W	25 W	Sterilume-EX	3/4" MPT	22x2.5	230	6
S8Q-PA	10	8	46 W	37 W	Sterilume-EX	3/4" MPT	35x2.5	250	10
S12Q-PA	15	11	48 W	39 W	Sterilume-EX	1" MPT	37x3.5	290	13
S15**	15	11	42 W	36 W	Sterilume-HO	1" MPT	22.8x3.5	395	15
S20**	20	14	52 W	45 W	Sterilume-HO	1" MPT	26x3.5	500	17
S32	32	24	73 W	65 W	Sterilume-HO	1" MPT	30.7x3.5	360	20
S40	40	30	88 W	80 W	Sterilume-HO	1-1/2" MPT	39.7x3.5	500	25
S52**	52	39	110 W	100 W	Sterilume-HO	1-1/2" MPT	47.6x3.5	750	29
S80*	80	-	230 W	200 W	S37RL-AM	2" MPT	41x4	850	29

1. Pure Aqua standard is at dose level of: 30mJ/cm<sup>2</sup>.  
 2. NSF/EPA standard is at dose level of: 40mJ/cm<sup>2</sup>.  
 \* Uses 316SS reaction chamber. \*\* Platinum™ ICE controller.

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