

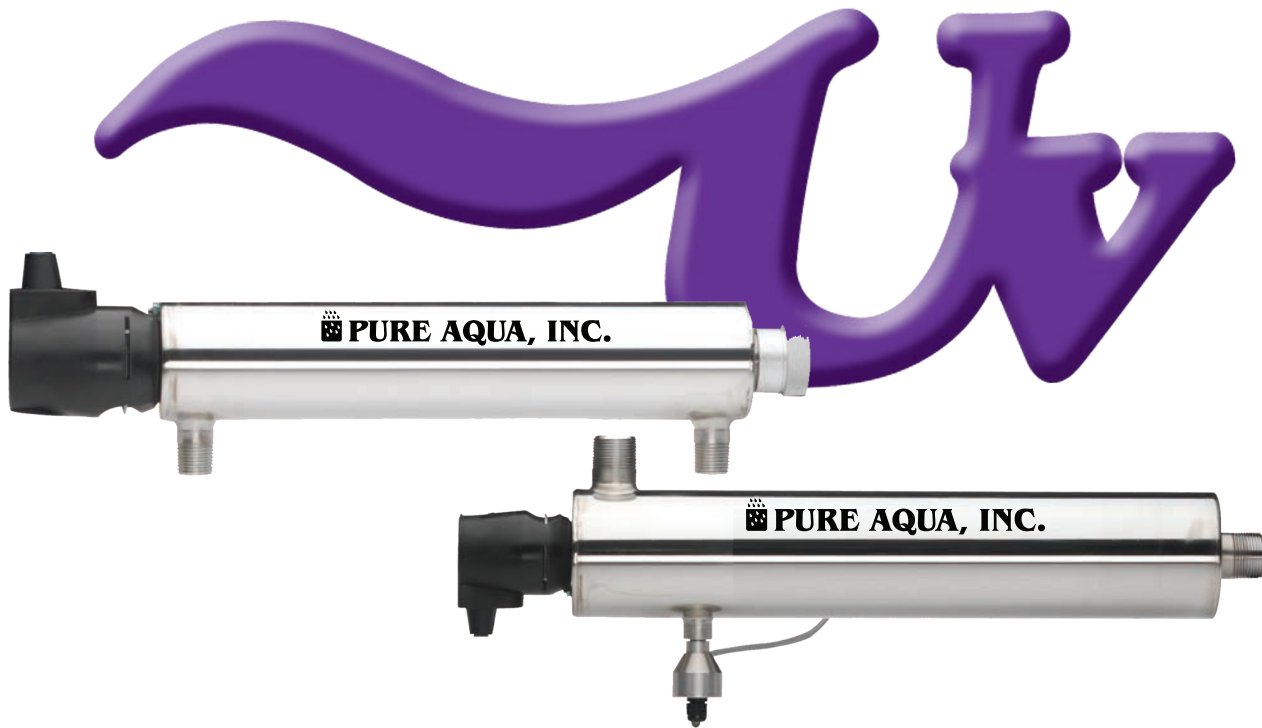
# Commercial UV Sterilizers

Capacity: 2 to 80 GPM

**UVC  
SERIES**

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

- ◆ 304 stainless steel reactor chamber in (S2Q-PA – S26)
- ◆ 316L stainless steel reactor chamber in (S37 – S60)
- ◆ Visual “power on”
- ◆ Visual lamp life remaining
- ◆ Audible lamp failure
- ◆ Audible lamp replacement reminder
- ◆ Installation orientation vertical or horizontal (except for S37 & S60 vertical only)

## Available Options

- ◆ Dynamic flow restrictor
- ◆ Temperature management valve (not available with S2Q-PA)
- ◆ Solenoid valve
- ◆ COMMcenter control package (available for S37 & S60 only)
- ◆ UV sensor (available for S14 and up)
- ◆ Cool touch fan (available for S37-S60)
- ◆ Flow meter

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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
- 💧 Maximum operating pressure: 125 psi (8.62 bar)
- 💧 Influent water temperature: 36-104°F (2-40°C)



Model #		Flow Rate (GPM) (95% UVT)		Power Consumption	In/Out Port Size	Chamber Material	Chamber Dimensions (in.)	Installation Orientation	Shipping Weight (lbs)
North America	EU CEE	30 mJ/ cm <sup>2</sup>	40 mJ/ cm <sup>2</sup>	(Watts)					
S2Q-PA	S2Q-PA/2	3	2	22	1/2" MNPT	SS304	17x2.5	Vertical or Horizontal	7
S3	S3/2	5	3.5	32	Combo 3/4" FNPT / 1" MNPT		13x3.5		8
S7	S7/2	9	7	35	3/4"- 1" MNPT Combo		17.75x3.5		12
S14	S14/2	18	14	60	3/4"-1" MNPT Combo		23.5x3.5		17
S18	S18/2	24	18	78	1" MNPT		30.3x3.5		14
S26	S26/2	34	26	110	1.5" MNPT		45x3.5		19
S37	S37/2	45	37	160	1.25" MNPT x 1" FNPT Combo	SS316	31x4	Vertical	28
S60	S60/2	80	60	230	2" MNPT		41x4		31

Lamp life: 9000 hours

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