

# UV Sterilizers

## Series UV

### 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
- 99.99% kill rate on bacteria and viruses
- Stainless steel or aluminum housing
- Includes mounting clamp and quartz sleeve
- 304 stainless steel reactor chamber
- Factory tested for insured quality
- 1 year warranty



## UV Sterilization

Ultra-violet sterilization Virtually eliminate microbiological contaminants without using potentially hazardous chemicals. Water enters through the on 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 stainless steel cell. The treated water then exits through the another port of the cell and is ready for consumption.

Allfyll UV system is a reliable, economical and chemical-free way to safeguard drinking water in any residential application. The system has been designed and tested to ensure quality drinking water is at everyone's finger tips.

### 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
- **No Chemicals:** No chlorine taste or corrosion problems

### Operating Specifications

- Electrical supply: 240V/50Hz
- Max. Operating Pressure: 125psi (8.62 bar)
- Ambient Temperature: 36-104°F (2-40°C)

### Technical information

Microorganism	Dose mJ/cm <sup>2</sup>
E. Coli <sup>2</sup>	6.6
Cryptosporidium parvum <sup>1</sup>	<10
Giardia lamblia <sup>1</sup>	<10
Hepatitis Virus <sup>1</sup>	8
Influenza Virus <sup>1</sup>	6.6
Shigella dysenteria <sup>2</sup>	4.2
Legionella pnueomophila <sup>2</sup>	3.8
Salmonella paratyphi <sup>2</sup>	6.1

1. 2-log reduction, 2. 4-log reduction



### Ordering information

Part number	Flow Rate		Lamp			Connection (inch)	Dimension (inch)	Weight (kg)
	GPM	LPM	Numbers	Watts	Life time (hr)			
AF-UV-11	1	3.78	1	11	8,000	1/4" MNPT	2 x 10	0.95
AF-UV-16	2	7.6	1	16	8,000	1/4" MNPT	2.5 x 15	1.45
AF-UV-25	6	22.5	1	25	8,000	1/2" MNPT	2.5 x 24	2.45
AF-UV-30	8	30	1	30	8,000	3/4" MNPT	2.5 x 35	3.2
AF-UV-55	12	45	1	55	8,000	3/4" MNPT	3 x 36.5	3.8
AF-UV-110	24	90	2	55	8,000	1" MNPT	5 x 36.5	5.5
AF-UV-165	36	135	3	55	8,000	1.5" MNPT	5 x 36.5	6.5
AF-UV-220	48	180	4	55	8,000	1.5" MNPT	6 x 36.5	10.8
AF-UV-440	96	360	8	55	8,000	3" MNPT	8 x 36.5	20.4

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