



## ULTRAVIOLET DISINFECTION SYSTEM



**Advantages:** Effective Economical Safe

Fast & Easy Automatic

Chemical Free

**Applications:** Drinking Water Food

Processing Medical Industries

Ultraviolet(UV-C rays /253.7 nm) water disinfection system is a unique and rapid method of water disinfection without the use of heat or chemicals to effectively destroys bacteria, virus,mold & algae.Ultraviolet(UV)light treatment is a widely recognized and proven method of disinfection of water and has several advantages over other disinfection methods such as chlornation, ozonation,etc. UV light does not add anything to the water,the form of ultraviolet radiation. Also, UV disinfection requires only a fraction of the contact times required by other disinfection methods. It is fast, efficient, effective, economical and environmentally-friendly.

| MODEL#                                | PA-2                                    | PA-3               | PA-6               | PA-8               | PA-12              | PA-18                                  | PA-24              | PA-35              | PA-42              | PA-52               |
|---------------------------------------|-----------------------------------------|--------------------|--------------------|--------------------|--------------------|----------------------------------------|--------------------|--------------------|--------------------|---------------------|
| Flow Rate<br>gpm(m <sup>3</sup> /Hr.) | 2gpm<br>(0.5)                           | 3gpm<br>(0.7)      | 6gpm<br>(1.4)      | 8gpm<br>(1.8)      | 12gpm<br>(3)       | 18gpm<br>(4.1)                         | 24gpm<br>(5.5)     | 35gpm<br>(7.9)     | 42gpm<br>(9.5)     | 52gpm<br>(11.8)     |
| Inlet/Outlet Port<br>(MNPT)           | 1/4"                                    | 1/2"               | 1/2"               | 3/4"               | 3/4"               | 1"                                     | 1"                 | 1"                 | 1-1/2"             | 1-1/2"              |
| Dimension (cm)<br>(inch)              | 35×6.5<br>(14×2.5)                      | 39×6.5<br>(16×2.5) | 56×6.5<br>(22×2.5) | 87×6.5<br>(34×2.5) | 91×6.5<br>(36×2.5) | 47×8.9<br>(19×3.5)                     | 56×8.9<br>(22×3.5) | 75×8.9<br>(30×3.5) | 89×8.9<br>(35×3.5) | 100×8.9<br>(39×3.5) |
| Lamp part#/Watts                      | E287LS<br>14W                           | E330LS<br>17W      | E463LS<br>25W      | E810LS<br>37W      | E36LS<br>39W       | T321LS<br>36W                          | T411LS<br>45W      | T601LS<br>65W      | T741LS<br>80W      | T951LS<br>100W      |
| Quartz Sleeve Part#                   | QS331                                   | QS370              | QS535              | QS845              | QS890              | QS452                                  | QS542              | QS732              | QS872              | QS1082              |
| Ballasts Controller                   | #BAC100-E, 0.42A., 100V.-250V.,50/60Hz. |                    |                    |                    |                    | #BAC100-T, 1.1A., 100V.-250V.,50/60Hz. |                    |                    |                    |                     |

✦ Flow Rate Stated at 30mJ/cm<sup>2</sup> based on 95% UVT (End of Lamp Life)

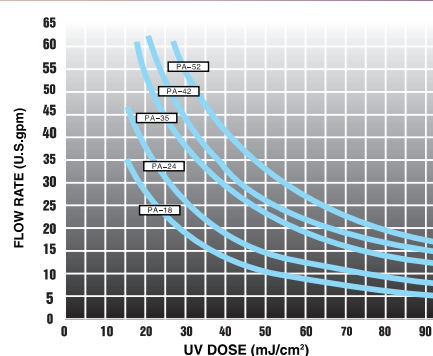
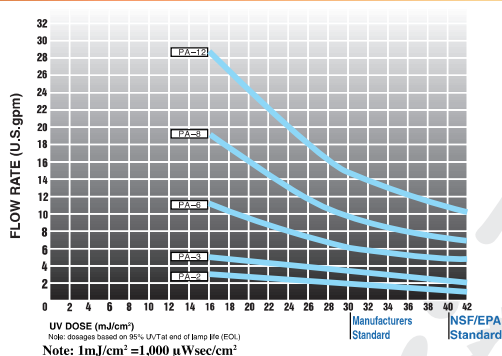
## Control:

- ✦ Audible Alarm
- ✦ Lamp Operation Indicators
- ✦ Total Running Days: Non-Resettable, Log up to 9999 Days
- ✦ UL & CE Certification

## Operating Parameters:

- ✦ Max. Operating Pressure: 125psi(8.62bar)
- ✦ Ambient Water Temperature: 2-40°C(36-104°F)
- ✦ Iron: <0.3ppm(0.3mg/L)
- ✦ Turbidity: <1NTU
- ✦ UV Transmittance: >75%

- ✦ 4-log(99.99%) Reduction in Bacteria, Viruses and Protozoan Cysts
- ✦ UV Lamp Rated Life 10000 Hours
- ✦ Electro-Polished 304SS Reactor Chamber(316SS Available on Request)
- ✦ Installation: Vertical or Horizontal

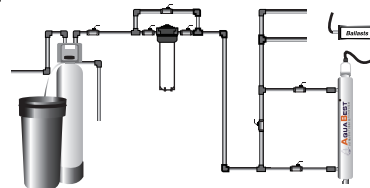


Lamp Made In USA



Worldwide Patent Number: 7,604,505

Typical Installation



**Warranty**  ultraviolet disinfection systems carry a TWO year warranty on the stainless steel reactor chamber, a one year warranty on UV lamp, quartz sleeve and other components.

