



**American Ultraviolet**

## **AQ Series Water Treatment Units**

**American Ultraviolet AQ Series UV water treatment units** are designed specifically for residential, and light commercial, applications, and utilize the same technology necessary to safely and effectively purify water used in everything from soft drinks to shampoo. These economical fixtures are available in a wide range of flow rates, making them ideal for individual point-of use applications as well as whole-house installations.

### **Applications**

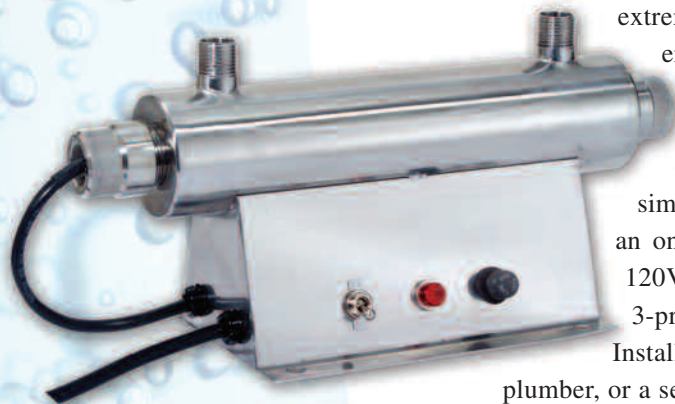
AQ Series water treatment units from American Ultraviolet can be used to treat an individual faucet, multiple faucets, or installed to purify water throughout an entire home or small business - any water source where it's important to provide bacteria and virus protection.

### **Water Treatment Units**



**AQ Series Units** are offered in flow rates from 2 to 20 gallons per minute (higher flow rate units are also available), and all vessels are passivated stainless steel.

These fixtures perform like our many other high-end industrial water treatment fixtures, however, we've eliminated some of the costly, sophisticated technology, and related accessories, that are simply unnecessary in residential applications, and deliver an extremely well-built series of water units for a very economical end-user price.



AQ Series units offer many important features that help ensure proper function and make monitoring lamp life quite simple, including: lamp-out indication; main power indication; an on/off switch; and a lamp hour meter (on larger units). The 120V AQ Series units include a power cord with a standard 3-prong plug that will plug into any standard household outlet. Installing these units is easy and can be done by a professional plumber, or a seasoned "do-it-yourself" handyman.

### **Benefits**

- Reduces, and destroys, viruses and bacteria that may be resistant to chemical treatment
- Will not change color, odor, or taste of water
- Lamp change required only once per year
- Plugs into standard household outlet – no electrician required
- Water passing through units receive UV dosage of  $\leq 30,000 \mu\text{W}/\text{cm}^2$



**American Ultraviolet**

Since 1960. It's all we do.

AUV AQ SERIES

# AQ Series Water Treatment Units

## AQ SERIES SPECIFICATIONS:

Every AQ Series unit is tested prior to shipment to ensure the highest quality. Each unit consists of a stainless steel vessel and electronic enclosure, lamp, quartz sleeve, electronic ballast, lamp out indicator and power cord.

**VESSEL AND POWER ENCLOSURE:** Vessels are constructed of passivated 304 stainless steel. All components are integrated into one assembly, for ease of maintenance, and the electronic enclosure is attached to the vessel, which is individually pressure-tested and rated for 125psi maximum operating pressure.

**BALLAST:** The solid-state electronic ballasts furnished with this series are Class P rapid start with a power factor minimum of .95. Ballasts operate at 120V/60Hz and the minimum ballast start temperature is minus 20 degrees F. Ballasts are UL listed and have a RFI - EMI rating as defined by FCC part 18A for industrial/commercial applications in regards to suppression. Ballasts are matched to lamps for optimal lamp life and UVC output.

**LAMPS:** AQ series UVC lamps are of the Slimline hard quartz glass variety for superior UV transmittance. Lamps shall retain, at minimum, 80% of their initial output after 12,000 hours of use. Electrodes are designed to maximize plasma convection and stability for superior lamp performance. Lamps are sized with flow rates for vessels to provide a minimum dosage of 30,000µW/cm².

## UVC Water Treatment Applications Include:

- Municipal drinking water
- Soft drink manufacturing
- Bottled water
- Crop irrigation
- Golf course irrigation
- Institutional drinking fountains(schools/hospitals/commercial offices/prisons)
- Liquid sugar plants
- Wastewater reuse/discharge

## Treating Water with UV Does:

- Sterilize bacteria in water
- Sterilize viruses in water
- Provide peace of mind knowing the water you ingest, and use in your home, yard or business will not make you sick

## Treating Water with UV Does NOT:

- Change taste of water
- Change color of water
- Add or remove chemicals or other residuals to or from water

## ORDERING SPECIFICATIONS

Model #	GPM	Overall Dimensions (LxWxH)	Electrical	Inlet/Outlet
AQ2	2	13.12 x 5.69 x 6.14	120V / 60Hz	1/2" Male NPT
AQ4	4	17.89 x 5.51 x 5.37	120V / 60Hz	1/2" Male NPT
AQ10	10	36.74 x 6.06 x 6.20	120V / 60Hz	1" Male NPT
AQ20	20	36.74 x 6.06 x 6.87	120V / 60Hz	1 1/2" Male NPT



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