

UV HR Series



Ultra Violet (UV) Water Sterilizer are a world renowned and proven form of water disinfection within all forms of the water treatment industry. UV is an efficient, simple and rapid method of water disinfection without the use of heat or dangerous chemicals. UV does not leave residual taste or odour into the water supply. UV technology uses 254nm Germicidal Ultra Violet light to quickly and reliably disable bacteria, viruses and other micro organisms present in the water supply.

The **HR60** is designed for the domestic and low flow markets for simplistic, economical and efficient sterilization. The reactor chambers are high quality 304, electro-chemically passivated and hand polished stainless steel. The UV is complete with a UV lamp, quartz thimble & O-ring, mounting clips and a reliable purpose built Ballast with audible lamp fail alarm.

The **HR60** is perfectly suited for low flow single tap or under sink drinking water systems on all types of water supplies.



W2SUFUV:
2 Stage under sink UV system 1gpm



UVHR60-304-SB

Benefits

- High Quality SS Reactor Chamber
- No Moving Parts
- Low Maintenance
- No Chemicals
- Easy Installation

Applications

- Low Flow Single Outlet
- Domestic Potable Water
- Health Clinics and Hospital Areas
- Dental Clinics
- Aquarium and Aquaculture

Specifications:

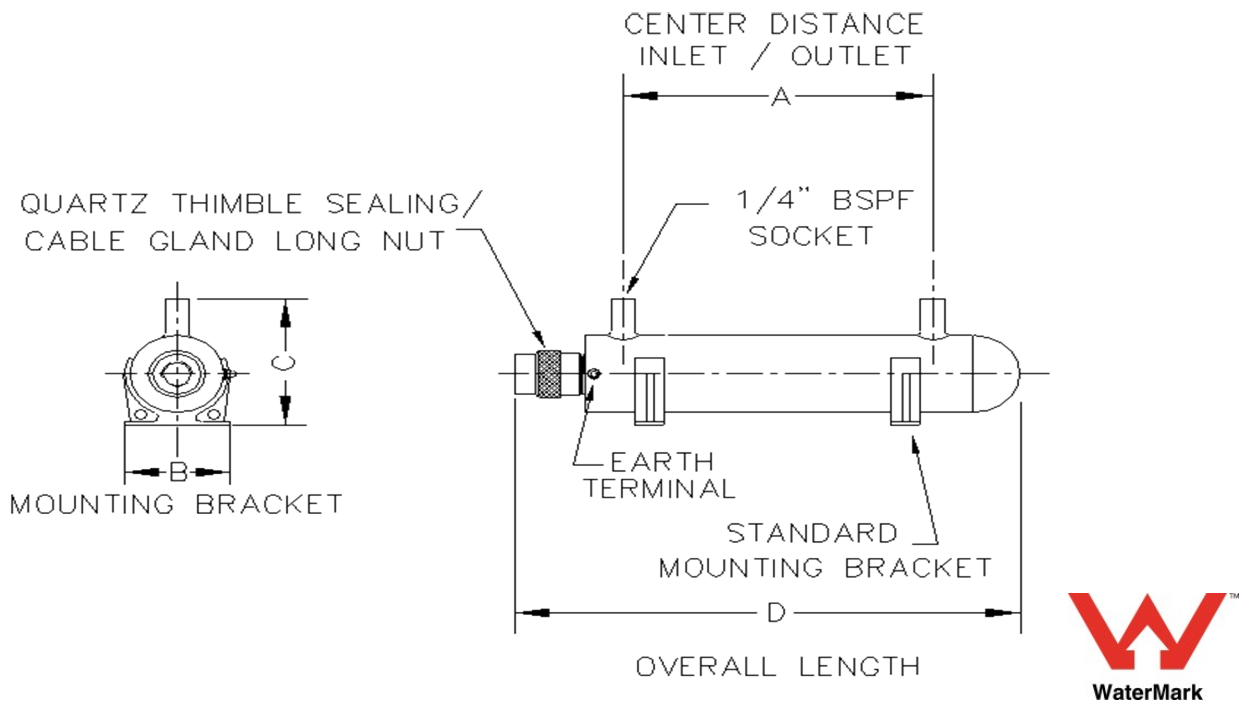
Model	Flow Rate Lpm	No. of Lamps	Lamp Wattage	Lamp Fail Alarm	Plumbing BSPF	Chamber Material
UVHR60-304-SB	3.8	1	10	Audible/LED	1/4" BSPF / 1/4" Quick Fit Tube	304SS

Flow rate and UV Dosage shown is based on > 30mJ/cm² @ 95% UVT

Operational Requirements

The UV System requires minimum water quality for effective disinfection. If the raw water supply does not meet the following minimum requirements then pre-treatment must be considered.

- **Turbidity (Suspended Solids):** < 1 NTU (5 micron filtration recommended)
- **Recommended Ambient & Water temperature:** 2°C - 40°C (35°F - 104°F)
- **Maximum recommended operating pressure:** 690kPa (100psi)
- **Power requirements:** 240V AC 10amp
- **Chloride (Cl):** < 250mg/L
- **Hardness (CaCo₃):** < 120mg/L
- **Iron (Fe):** < 0.3mg/L
- **Manganese (Mn):** < 0.05mg/L



Model	A	B	C	D	Standard Inlet & Outlet Size
HR60	165	45	53	280	1/4" BSPF/1/4" Quick Fit Tube

Measurements are in millimetres.