

UV EB Series

Multiple Lamp Models



WaterMark

Ultraviolet (UV) Water Sterilizers 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 and odour in the water supply like other forms of disinfection treatment. UV technology uses 254nm germicidal ultraviolet light to quickly and reliably disable bacteria, viruses and other micro organisms present in the water supply.

The **EB Series** are designed for the Commercial and Light Industrial markets for simplistic, economical and efficient sterilization. The reactor chambers are high quality 2mm thick 304 or 316L, electro-chemically passivated and hand polished stainless steel with UV sensor port for optional UVT monitoring. The UV systems come complete as standard with UV lamps, quartz sleeves & Viton O-rings, mounting brackets, Internal earthed two piece knurled end nuts with PVC fan cooled, hour counter control box and dry contacts.

The **EB Series** are perfectly suited for multiple tap and high flow applications from all types of water sources. (Pre-filtration may be required depending on the raw water quality).



Model Shown: UVEB45-304-CBC-DC

Features

- Heavy Construction
- High Quality Finish
- Sensor Port
- Fan Cooled PVC Control Box
- Dry Contact Output



Model Shown: UVEB150-304-CBC-DC

Benefits

- Efficient Fast Disinfection
- Low Cost Per Litre
- High Quality SS Reactor Chamber
- No Moving Parts
- Low Maintenance
- Simple to Use
- High UV Dosage
- No Chemicals
- Impossible to Overdose

Applications

- Domestic and Commercial Potable Water
- Process Water
- Food and Beverage
- Hotels and Restaurants
- Health Clinics and Hospital Areas
- Aquaculture
- Cooling Towers
- Mine Site and Construction Camps
- Laboratories and Pharmaceutical

Specifications

Model	Flow Rate m3/Hr	No. of Lamps	Lamp Wattage	Ballast	Hour / Day Counter	Lamp Fail Alarm	Plumbing BSPM	Chamber Material
UVEB35-304-CBC-DC	7.9	2	65	Control Box	Hour	Audible/LED	50mm	304SS
UVEB35-316L-CBC-DC	7.9	2	65	Control Box	Hour	Audible/LED	50mm	316L SS
UVEB45-304-CBC-DC	10.2	2	85	Control Box	Hour	Audible/LED	50mm	304SS
UVEB45-316L-CBC-DC	10.2	2	85	Control Box	Hour	Audible/LED	50mm	316L SS
UVEB120-304-CBC-DC	12	3	65	Control Box	Hour	Audible/LED	50mm	304SS
UVEB120-316L-CBC-DC	12	3	65	Control Box	Hour	Audible/LED	50mm	316L SS
UVEB150-304-CBC-DC	15	3	85	Control Box	Hour	Audible/LED	50mm	304SS
UVEB150-316L-CBC-DC	15	3	85	Control Box	Hour	Audible/LED	50mm	316L SS

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

Operational Requirements

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

Turbidity (Suspended Solids): < 1 NTU (5 micron sediment filtration recommended)

Chloride (Cl): < 250mg/L

Hardness (CaCo3): < 120mg/L

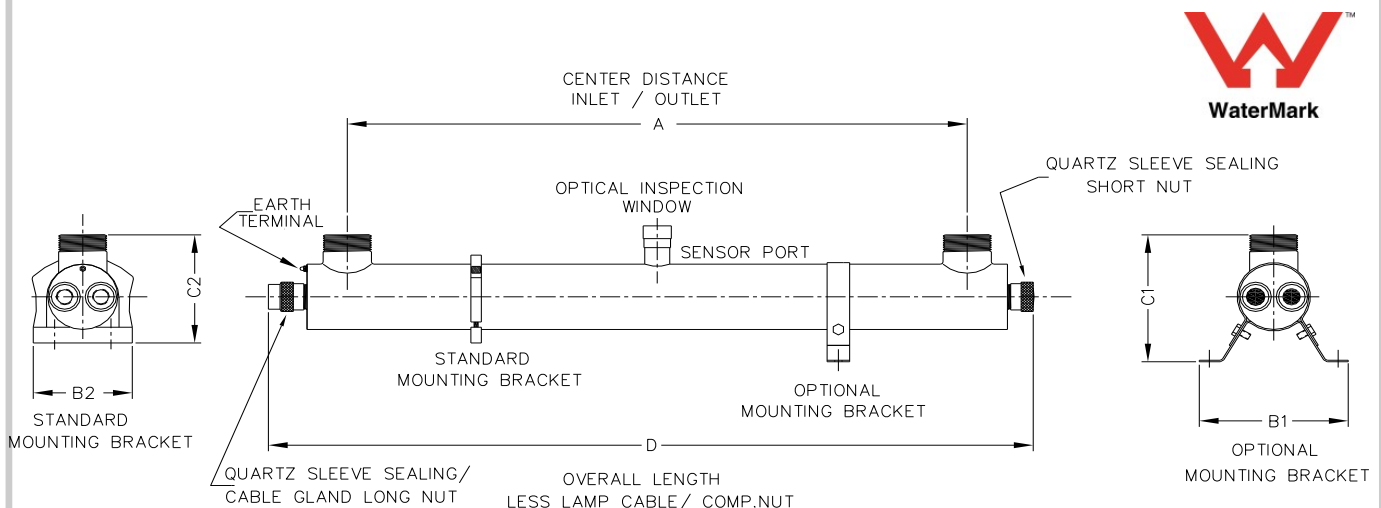
Iron (Fe): < 0.3mg/L

Manganese (Mn): < 0.05mg/L

Recommended Ambient & Water temperature: 2°C - 40°C (35°F - 104°F)

Maximum recommended operating pressure: 690kPa (100psi)

Power requirements: 240V AC 10amp



Model	A	B1	B2	C1	C2	D	Inlet/Outlet	Control Cabinet
EB35-304-CBC & EB35-316L-CBC	765	185	125	170	145	950	50 mm BSPM	355H x 265W x 160D
EB45-304-CBC & EB45-316L-CBC	765	185	125	170	145	950	50 mm BSPM	355H x 265W x 160D
EB120-304-CBC & EB120-316L-CBC	745	265	N/A	250	N/A	950	50 mm BSPM	390H x 305W x 185D
EB150-304-CBC & EB150-316L-CBC	745	265	N/A	250	N/A	950	50 mm BSPM	390H x 305W x 185D

Measurements are in millimeters