

# Ultraviolet Steriliser

## **EB Series**

## **Multiple Lamp Models**

Ultra Violet (UV) Water Sterilizer Equipment has been used for many years as an efficient, simple and rapid method of water disinfection without the use of heat or dangerous chemicals. UV does not impart dangerous chemicals, taste or odour into the water supply. It utilizes 254nm Germicidal Ultra Violet 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. The UV is Complete with Quartz Sleeves (NSF Cert.), Heraeus Lamps, UV Sensor port and reliable purpose built Ballasts/Control Boxes. The **EB Series** are perfectly suited for multiple tap and high flow applications in Town, Bore, Rain, Creek and Dam water supplies (pre-filtration may be required depending on the raw water quality).

Model Shown:

UVEB45-304-CBC



Model Shown:

UVEB150-304-CBC



## **Features**

- Heavy Construction
- High Quality Finish
- Sensor Port
- Fan Cooled PVC Control Box
- Adjustable Mounting Brackets

## **Benefits**

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

## **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	7.9	2	65	Control Box	Hour	Audible/LED	50mm	304SS
UVEB35-316L-CBC	7.9	2	65	Control Box	Hour	Audible/LED	50mm	316L SS
UVEB45-304-CBC	10.2	2	85	Control Box	Hour	Audible/LED	50mm	304SS
UVEB45-316L-CBC	10.2	2	85	Control Box	Hour	Audible/LED	50mm	316L SS
UVEB120-304-CBC	12	3	65	Control Box	Hour	Audible/LED	50mm	304SS
UVEB120-316L-CBC	12	3	65	Control Box	Hour	Audible/LED	50mm	316L SS
UVEB150-304-CBC	15	3	85	Control Box	Hour	Audible/LED	50mm	304SS
UVEB150-316L-CBC	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 minimum water quality requirements 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):** < 500mg/L

**Hardness (CaCo3):** < 120mg/L

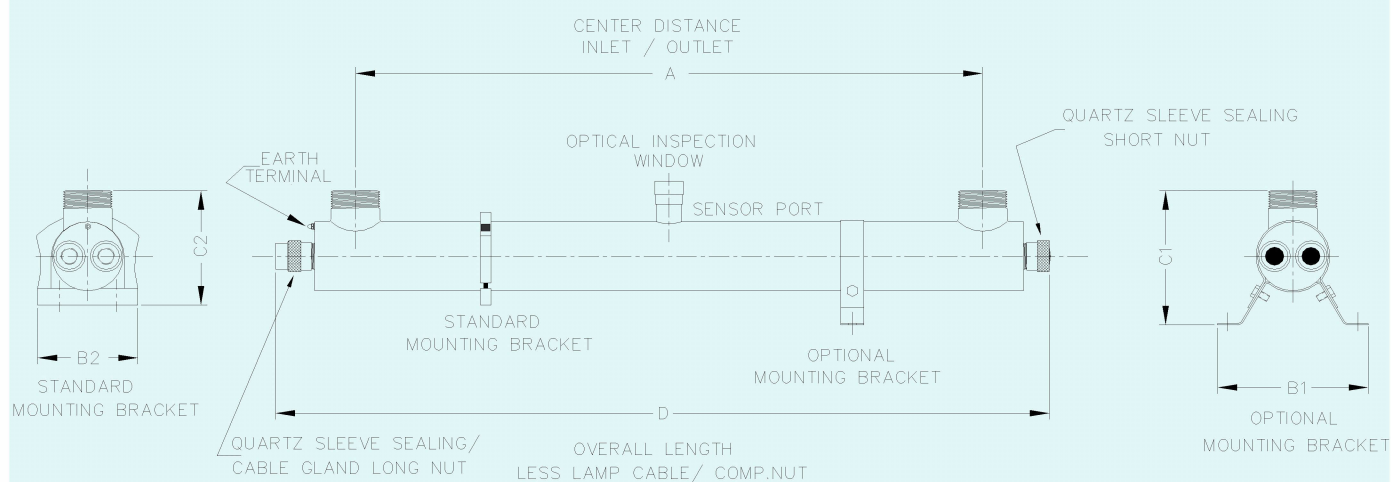
**Iron (Fe):** < 0.3mg/L

**Manganese (Mn):** < 0.05mg/L

**Recommended Ambient & Water temperature:** 0°C - 40°C (32°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 millimetres.