

UV EB Series Single Lamp Models



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 treatments. 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 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 lamp, quartz sleeve & O-rings, mounting brackets, internal earthed two piece knurled end nut and a reliable purpose built Waterproof (IP65) Ballast.

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).



Optional Digital Ballast
Models: UVABUVT6
UVABUVT8

Dry Contact Cable
(Optional Extra)

Benefits

- Fast Efficient 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
- Easy Installation

Applications

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

Specifications:

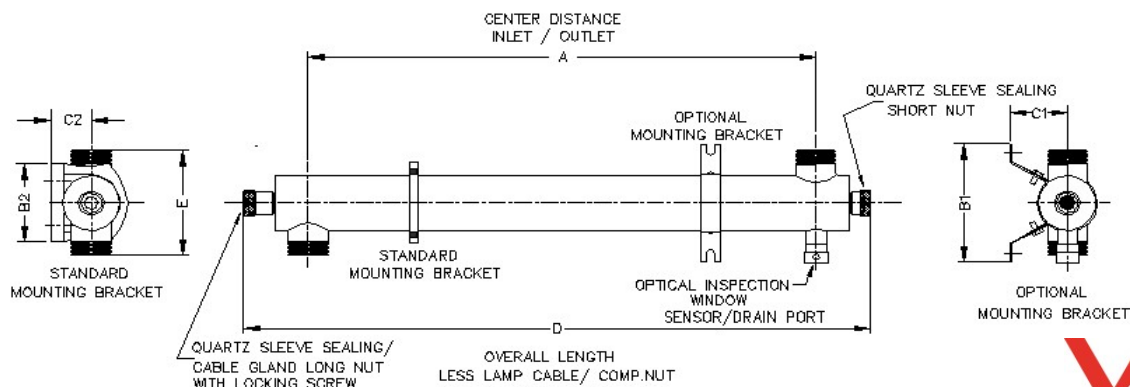
Model	Flow Rate LPM	No. of Lamps	Lamp Wattage	Ballast	Hour / Day Counter	Lamp Fail Alarm	Plumbing BSPM	Chamber Material
UVEB12Z-304-SWB	45	1	40	Std Waterproof (IP65)	-	Audible/LED	25mm	304SS
UVEB12Z-304-UVT	45	1	40	9000 Hr Reset	Hour	Audible/LED	25mm	304SS
UVEB12Z-316L-SWB	45	1	40	Std Waterproof (IP65)	-	Audible/LED	25mm	316L SS
UVEB12Z-316L-UVT	45	1	40	9000 Hr Reset	Hour	Audible/LED	25mm	316L SS
UVEB15Z-304-SWB	60	1	65	Std Waterproof (IP65)	-	Audible/LED	25mm	304SS
UVEB15Z-304-UVT	60	1	65	9000 Hr Reset	Hour	Audible/LED	25mm	304SS
UVEB15Z-316L-SWB	60	1	65	Std Waterproof (IP65)	-	Audible/LED	25mm	316L SS
UVEB15Z-316L-UVT	60	1	65	9000 Hr Reset	Hour	Audible/LED	25mm	316L SS
UVEB24Z-304-SWB	90	1	85	Std Waterproof (IP65)	-	Audible/LED	40mm	304SS
UVEB24Z-304-UVT	90	1	85	9000 Hr Reset	Hour	Audible/LED	40mm	304SS
UVEB24Z-316L-SWB	90	1	85	Std Waterproof (IP65)	-	Audible/LED	40mm	316L SS
UVEB24Z-316L-UVT	90	1	85	9000 Hr Reset	Hour	Audible/LED	40mm	316L SS

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

Operational Requirements

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

- **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	B1	B2	C1	C2	D	E	Inlet & Outlet Size
EB12Z	800	180	125	90	62	950	150	25mm BSPM
EB15Z	800	180	125	90	62	950	150	25mm BSPM
EB24Z	785	180	125	90	62	950	165	40mm BSPM

Measurements are in millimetres.