

# UV E Series



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 or odour in the water supply. UV technology uses 254nm germicidal ultraviolet light to quickly and reliably disable bacteria, viruses and other micro organisms present in the water supply.

The **E Series** is designed for (but not limited too) the domestic and light commercial markets for simplistic, economical and efficient sterilization. The reactor chambers are high quality 304 or 316L, electro-chemically passivated and hand polished stainless steel. The UV systems come complete with UV lamp, quartz sleeve & O-rings, aluminium mounting brackets, internal earthed two piece knurled end nut and a reliable purpose built waterproof (IP65) ballast.

The **E Series** range is perfectly suited for single tap or whole house applications on all types of water



Model Shown UVE720Z-304-SBW



**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

## Applications

- Domestic Potable Water
- Process Water
- Food and Beverage
- Hotels and Restaurants
- Health Clinics and Hospital Areas
- Herbal Medicine Production
- Dental Clinics
- Aquarium and Aquaculture
- Ice Manufacturing

## Specifications:

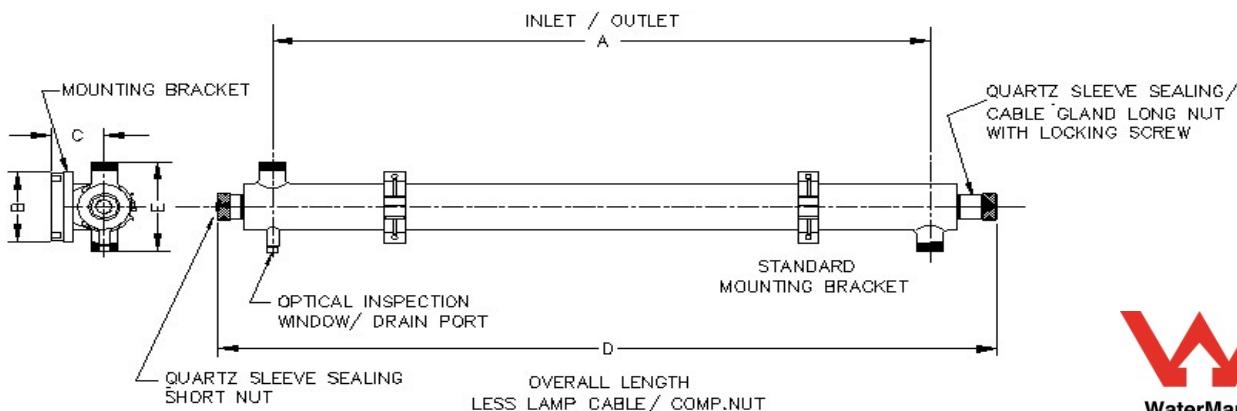
Model	Flow Rate LPM	No. of Lamps	Lamp Wattage	Ballast	Lamp Fail Alarm	Plumbing BSPM	Chamber Material
UVE180Z-304-SWB	11	1	15	Std Waterproof (IP65)	Audible/LED	15mm	304SS
UVE180Z-304-UVT	11	1	15	9000 Hr Reset	Audible/LED	15mm	304SS
UVE180Z-316L-SWB	11	1	15	Std Waterproof (IP65)	Audible/LED	15mm	316L SS
UVE180Z-316L-UVT	11	1	15	9000 Hr Reset	Audible/LED	15mm	316L SS
UVE360Z-304-SWB	23	1	21	Std Waterproof (IP65)	Audible/LED	15mm	304SS
UVE360Z-304-UVT	23	1	21	9000 Hr Reset	Audible/LED	15mm	304SS
UVE360Z-316L-SWB	23	1	21	Std Waterproof (IP65)	Audible/LED	15mm	316L SS
UVE360Z-316L-UVT	23	1	21	9000 Hr Reset	Audible/LED	15mm	316L SS
UVE480Z-304-SWB	30	1	29	Std Waterproof (IP65)	Audible/LED	20mm	304SS
UVE480Z-304-UVT	30	1	29	9000 Hr Reset	Audible/LED	20mm	304SS
UVE480Z-316L-SWB	30	1	29	Std Waterproof (IP65)	Audible/LED	20mm	316L SS
UVE480Z-316L-UVT	30	1	29	9000 Hr Reset	Audible/LED	20mm	316L SS
UVE720Z-304-SWB	45	1	40	Std Waterproof (IP65)	Audible/LED	25mm	304SS
UVE720Z-304-UVT	45	1	40	9000 Hr Reset	Audible/LED	25mm	304SS
UVE720Z-316L-SWB	45	1	40	Std Waterproof (IP65)	Audible/LED	25mm	316L SS
UVE720Z-316L-UVT	45	1	40	9000 Hr Reset	Audible/LED	25mm	316L SS
UVE800Z-304-SWB	60	1	65	Std Waterproof (IP65)	Audible/LED	25mm	304SS
UVE800Z-304-UVT	60	1	65	9000 Hr Reset	Audible/LED	25mm	304SS
UVE800Z-316L-SWB	60	1	65	Std Waterproof (IP65)	Audible/LED	25mm	316L SS
UVE800Z-316L-UVT	60	1	65	9000 Hr Reset	Audible/LED	25mm	316L SS

Flow rate shown is based on UV dosage of > 30mJ/cm<sup>2</sup> @ 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 (CaCO<sub>3</sub>):** < 120mg/L
- Iron (Fe):** < 0.3mg/L
- Manganese (Mn):** < 0.05mg/L



Model	A	B	C	D	E	Standard Inlet & Outlet Size
E180Z	255	100	75	390	120	15mm BSPM
E360Z	435	100	75	570	120	15mm BSPM
E480Z	585	100	75	720	125	20mm BSPM
E720Z	800	100	75	950	125	25mm BSPM
E800Z	800	100	75	950	125	25mm BSPM

Measurements are in millimetres.