

Ultraviolet Steriliser

E Series: Z Pattern

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 **E Series** are designed for 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 is Complete with Quartz Sleeve (NSF Cert.), Heraeus Lamp, Mounting Brackets and a reliable purpose built Ballast. The **E Series** is perfectly suited for single tap or whole house applications in Town, Bore, Rain, Creek and Dam water supplies (pre-filtration may be required depending on the water quality).

Model Shown UVE800Z-304-SB



Optional Digital Ballast

Models: UVABRH514
UVABRH518



Optional Control Box

Models: UVACB1926
UVACB1928



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	Day Counter	Lamp Fall Alarm	Plumbing BSPM	Chamber Material
UVE180Z-304-SB	11	1	15	-	Audible/LED	15mm	304SS
UVE180Z-304-RH514	11	1	15	Resettable	Audible/LED	15mm	304SS
UVE180Z-316L-SB	11	1	15	-	Audible/LED	15mm	316L SS
UVE180Z-316L-RH514	11	1	15	Resettable	Audible/LED	15mm	316L SS
UVE360Z-304-SB	23	1	21	-	Audible/LED	15mm	304SS
UVE360Z-304-RH514	23	1	21	Resettable	Audible/LED	15mm	304SS
UVE360Z-316L-SB	23	1	21	-	Audible/LED	15mm	316L SS
UVE360Z-316L-RH514	23	1	21	Resettable	Audible/LED	15mm	316L SS
UVE480Z-304-SB	30	1	29	-	Audible/LED	20mm	304SS
UVE480Z-304-RH514	30	1	29	Resettable	Audible/LED	20mm	304SS
UVE480Z-316L-SB	30	1	29	-	Audible/LED	20mm	316L SS
UVE480Z-316L-RH514	30	1	29	Resettable	Audible/LED	20mm	316L SS
UVE720Z-304-SB	45	1	40	-	Audible/LED	25mm	304SS
UVE720Z-304-RH514	45	1	40	Resettable	Audible/LED	25mm	304SS
UVE720Z-316L-SB	45	1	40	-	Audible/LED	25mm	316L SS
UVE720Z-316L-RH514	45	1	40	Resettable	Audible/LED	25mm	316L SS
UVE800Z-304-SB	60	1	65	-	Audible/LED	25mm	304SS
UVE800Z-304-RH518	60	1	65	Resettable	Audible/LED	25mm	304SS
UVE800Z-316L-SB	60	1	65	-	Audible/LED	25mm	316L SS
UVE800Z-316L-RH518	60	1	65	Resettable	Audible/LED	25mm	316L SS

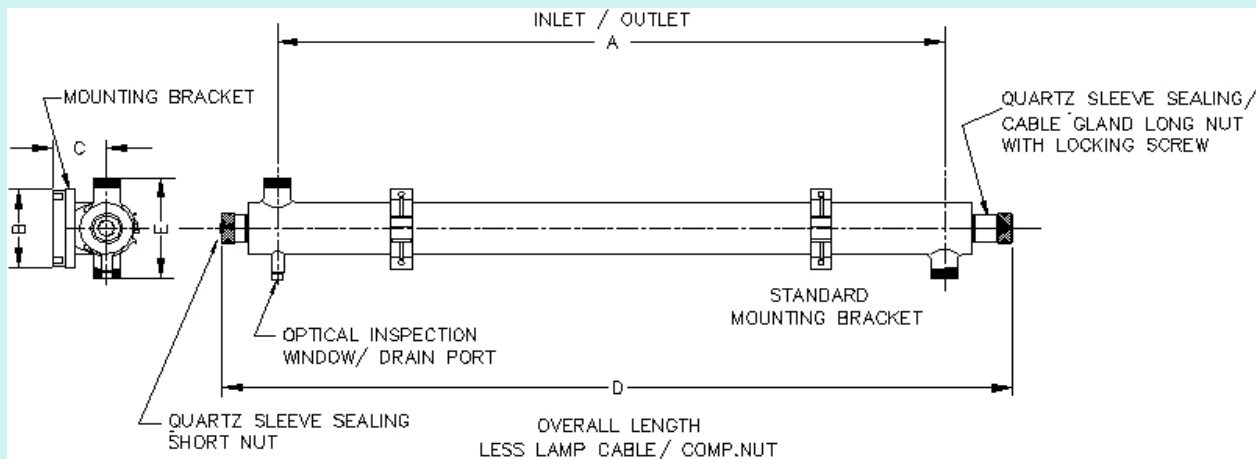
Flow rate shown is based on UV dosage of > 30mJ/cm2 @ 85% UVT

PVC Control Boxes are optional on certain models.

Operational Requirements

The UV System requires the following minimum water quality requirements 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:** 0°C - 40°C (32°F - 104°F)
- **Maximum recommended operating pressure:** 690kPa (100psi)
- **Power requirements:** 240V AC 10amp
- **Chloride (Cl):** < 500mg/L
- **Hardness (CaCo3):** < 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.