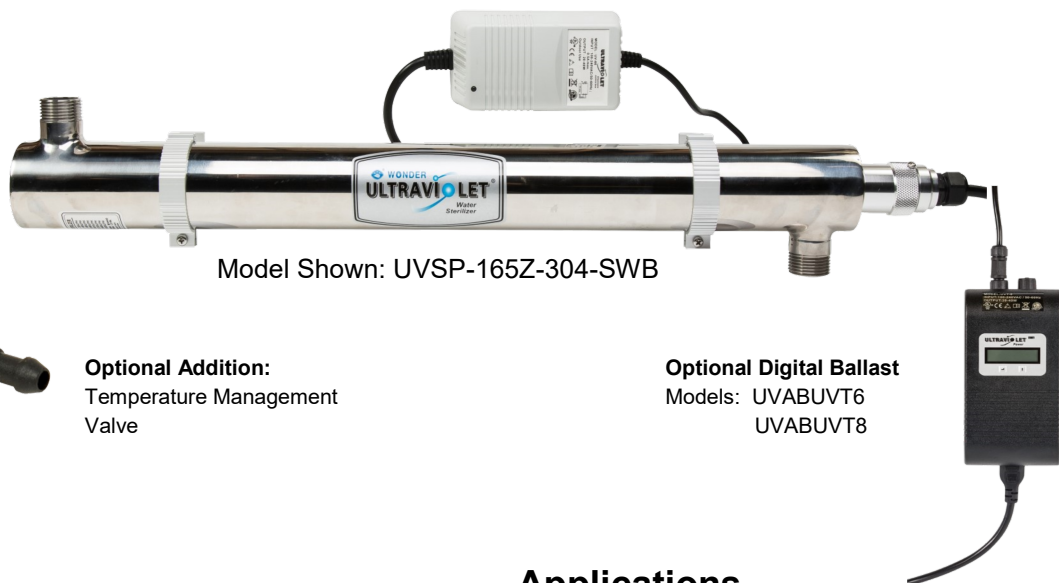


UV SP Series

Ultra Violet (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 and does not leave a 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 **SP Series** was designed for (but not limited to) the domestic and light commercial markets for simplistic, economical and efficient sterilization. The reactor chambers are high quality 304 electro-chemically passivated and hand polished stainless steel. The UV systems come complete with UV HO lamp, quartz thimble, Viton O-ring with a proprietary made internal earthed two piece knurled end nut and a reliable purpose built Standard Waterproof (IP65) ballast with LED light and lamp fail audible alarm or optional IP55 rated digital 9000 hour counter ballast which alarms when lamp needs replacing or lamp fail alert.

The **SP Series** range is perfect for whole house applications on all types of water supplies giving you peace of mind and bacteria free drinking water.



Model Shown: UVSP-165Z-304-SWB

Optional Addition:
Temperature Management
Valve

Optional Digital Ballast
Models: UVABUVT6
UVABUVT8

Benefits

- Simple Plug & Play Installation.
- Fast Efficient Disinfection
- Small Footprint
- High Quality SS Reactor Chamber
- Low Maintenance
- High Quality Housings & Filters
- High UV Dosage
- No Chemicals
- Low Cost per Litre
- Impossible to Overdose
- Easy Installation

Applications

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

Specifications:

Model	Flow rate LPM	No. of lamps	Lamp Wattage	Ballast	Lamp Fail Alarm	Plumbing BSPM	Chamber Material
UVSP133Z-304-SWB	40	1	33HO	Std Waterproof (IP65)	Audible/LED	25mm (1")	304SS
UVSP133Z-304-UVT6	40	1	33HO	Digital 9000 Hr Reset	Audible/LED	25mm (1")	304SS
UVSP165Z-304-SWB	70	1	65HO	Std Waterproof (IP65)	Audible/LED	25mm (1")	304SS
UVSP165Z-304-UVT8	70	1	65HO	Digital 9000 Hr Reset	Audible/LED	25mm (1")	304SS

Flow rate shown is based on UV dosage of > 30mJ/cm2

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



UVT Ballast: Waterproof (IP55) rated digital 9000 Hr reset ballast with audible alarm with an optional extra dry contact feature.

Over the year the radiation within the lamp loses its efficiency. After an approx. 9 - 10,000 hours continuous run time the lamp will not deactivate bacteria coliforms effectively. The advantage of the UVT digital ballast is it will alert the home owner or operator to replace the UV lamp and is simply reset for another year. The control is waterproof (IP55) and comes with the option of a dry contact feature if required. The ballast has a high frequency range and meets many European Electrical standards such as UL, CUL, TUV for peace of mind.

Model UV SP-133Z

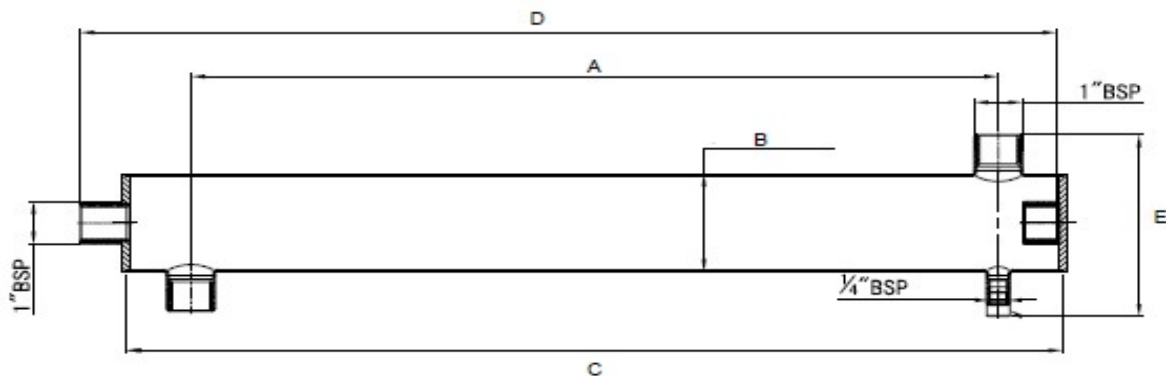
Replacement Items:

33HO Watt lamp: UVAT533HO
 Quartz Thimble: UVAQT245680
 Silicon O-Ring: UVAORD245

Model UV SP-165Z

Replacement Items:

65HO Watt lamp: UVAT565HO
 Quartz Thimble: UVAQT245680
 Viton O-Ring: UVAORD245V



Model	A	B	C	D	E	Standard Inlet & Outlet Size
UVSP-133Z	554	63.5	640	675	129.5	25mm (1")
UVSP-165Z	554	76.2	640	675	142.2	25mm (1")

Measurements are in millimetres.