

UV STERILIZER (PHILIPS UV LAMP SERIES)



FEATURES

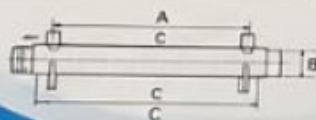
- High disinfection efficiency (up to 99.9%)
- Genuine Philips UV lamps
- Stainless Steel 304/316 chamber
- Chemical-free water sterilization
- Easy lamp replacement
- Low maintenance
- Compact design
- Long lamp life (8,000 hours)

APPLICATIONS

- Drinking water
- Reverse osmosis systems
- Food & beverage industry
- Hospitals
- Pharmaceutical industry
- Aquaculture
- Swimming pools
- Industrial process water

TECHNICAL SPECIFICATIONS

Model	SST5-5W	SST5-11W	S5GYT5-16W	SST8-25W	SST8-30W	SST8-55W
Housing Material	S5304/316	S5304/316	S5304/316	S5304/316	S5304/316	S5304/316
Lamp Power	6W	11W	16W	26W	30W	55W
Power Supply	110V/230V 50/60Hz	110V/230V 50/60Hz	110V/230V 50/60Hz	110V/230V 50/60Hz	110V/230V 50/60Hz	110V/230V 50/60Hz
UV Lamp Quantity	1	1	1	1	1	1
Flow Rate	0.5 GPM (0.1 m³/h)	1 GPM (0.2 m³/h)	2 GPM (0.4 m³/h)	6 GPM (1.6 m³/h)	10 GPM (2.3 m³/h)	12 GPM (2.7 m³/h)
Irradiation Area	420 cm²	520 cm²	900 cm²	2860 cm²	2610 cm²	2810 cm²
Working Pressure	10 bar (145 psi)		10 bar (145 psi)			
Test Pressure	15 bar (218 psi)		15 bar (218 psi)			
Lamp Life	8,000 Hours		8,000 Hours			
Quartz Sleeve	Optional		Optional			
• A (mm)	255	370	475	920	920	920
• B (mm)	63	63	70	63	63	63
• C (mm)	340	470	575	1020	1020	1020
• D (mm)	63.5	63.5	63.5	63.5	63.5	63.5



UV STERILIZER WITH GROUNDING WIRE SERIES



Stainless Steel Chamber



Quartz Sleeve



UV-C Lamp



Ballast



Silicone O-Ring



Grounding Wire



Waterproof Connector

NOTES

- Max. water temperature: 45°C
- Max. operating pressure: 10 bar
- UV transmittance > 85% is recommended
- Regular cleaning of the quartz sleeve is recommended for optimal performance
- Single grounding wire

TECHNICAL SPECIFICATIONS

Model	SSD8-8W	SSD12-10W	SSD15-16W	SSD25-25W	SSD30-30W	SSD35-55W	SSD40-40W	SSD60-85W
Housing Material	SS304/316	SS304/316	SS304/316	SS304/316	SS304/316	SS304/316	SS304/316	SS304/316
Lamp Power	8W	12W	16W	25W	30W	55W	40W	85W
Power Supply	110V/220V 50/60Hz	110V/220V 50/60Hz	110V/220V 50/60Hz	110V/220V 50/60Hz	110V/220V 50/60Hz	110V/220V 50/60Hz	110V/220V 50/60Hz	110V/220V 50/60Hz
UV Lamp Quantity	1	1	1	1	1	1	1	1
Flow Rate	0.5 GPM (0.1 m³/h)	1 GPM (0.2 m³/h)	2 GPM (0.4 m³/h)	6 GPM (1.8 m³/h)	8 GPM (2.1 m³/h)	10 GPM (2.4 m³/h)	10 GPM (2.4 m³/h)	12 GPM (2.7 m³/h)
Irradiation Area	420 cm²	520 cm²	900 cm²	1887 cm²	2640 cm²	2610 cm²	2810 cm²	2610 cm²
Working Pressure	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)	10 bar (145 psi)
Test Pressure	15 bar (218 psi)	15 bar (218 psi)	15 bar (218 psi)	15 bar (218 psi)	15 bar (218 psi)	15 bar (218 psi)	15 bar (218 psi)	15 bar (218 psi)
Quartz Sleeve	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Lamp Life	8000 Hrs	8000 Hrs	8000 Hrs	8000 Hrs	8000 Hrs	8000 Hrs	8000 Hrs	8000 Hrs
• A (mm)	265	315	370	910	910	910	910	910
• B (mm)	63	63	82	85	86	86	86	86
• C (mm)	370	420	475	1010	1010	1010	1010	1010
• D (mm)	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5

OPERATING PRINCIPLE

Water flows through the stainless steel chamber and is exposed to UV-C light at a wavelength of 254 nm.

The UV light destroys the DNA / RNA of microorganisms and prevents their reproduction, ensuring safe and purified water.

ADVANTAGES

- No chemicals
- No taste or odor
- Instant disinfection
- Energy efficient
- Easy installation
- Low maintenance cost
- Long operating life
- Environmentally friendly