

# Compact UV Sterilizer (6~24 GPM)

*Just connect the inlet and outlet, and turn on the power to operate.*

## Features

- UV ultraviolet light can effectively kill 99.9% of bacteria.
- Uses 254 nm UV lamps with a lifespan of 9,000 hours, effective against viruses and algae.
- Simple installation, easy maintenance, and compact design that doesn't take up much space.

## Safe Usage Range:

- Operating Pressure Limit: 125 psi
- Operating Temperature Limit: 2°C - 70°C

Water with high turbidity will obstruct the penetration of UV light, so the clearer the water, the more effective the UV sterilization.

## Cost-Effective

- Long lamp life - Equipped with 254nm high-efficiency lamps and high-transmittance quartz glass sleeves.
- Safe and Worry-Free - No added chemicals. No corrosion or contamination, ensuring zero residue. Effectively kills pathogenic bacteria, fungi, viruses, and algae, ensuring excellent sterilization performance.
- Rapid Effectiveness - Instant sterilization upon water exposure to UV, turns off with no lingering UV.
- Easy Operation - Simple installation and maintenance.
- Compact design - Just connect the inlet/outlet and power on.

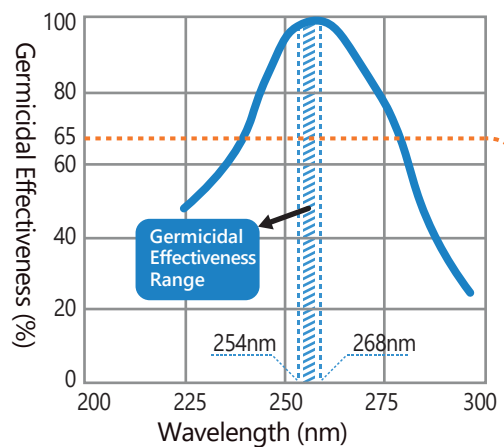
## Applications

Suitable for sterilization and disinfection in various industries, such as biochemical research, pharmaceuticals, food processing, water treatment, hospitals, clinics, surface disinfection, and spatial disinfection.

UV Wavelength & Relative Germicidal Effectiveness Curve (When the germicidal effectiveness is below 65%, the lamp needs to be replaced).



UV Wavelength & Relative Germicidal Effectiveness Curve



When the germicidal effectiveness drops below 65%, the lamp needs to be replaced.

## Specification



6GPM

12GPM

24GPM

Model	UVA6G-304	UVA12G-304	UVA24G-304
Tap Water Flow Rate	5GPM(20LPM)	10GPM(40LPM)	20GPM(80LPM)
RO Water Flow Rate	6GPM(24LPM)	12GPM(48LPM)	24GPM(96LPM)
Voltage	100-120V , 220-240V & 50/60HZ (Optional)		
Lamp Power	20W	39W	78W
Current	213mA	425mA	850mA
Total Power	35W	61W	132W
Inlet/Outlet Diameter	1/2"	3/4"	1"
Number of Lamps	1	1	2
Dimensions (inches/Weight)	21*2(1/2"),3.5KG	38*2(1/2"),5KG	38*3(1/2"),10KG
Maximum Working Pressure	125PSI(8.3 bar)		
Pipe Material	Stainless Steel #304, optional #316L available		

\*Quality Certifications: CE approved

**\*Note:**

- The lamps are fragile items.
- Please inspect the shipment upon receipt and unboxing.
- The company will not be responsible for any damage reported after delivery.

## Maintenance and Care Instructions

- Upon installation, check the lamps - ensure they light up when powered on, and the quartz glass tubes are intact without any cracks.
- The UV lamp's lifespan is approximately 9,000 hours. To ensure effective sterilization, replace the UV lamps within the usage period (even if the lamps still emit a blue glow, it does not mean the sterilization is effective).
- When replacing the lamps, turn off the power first. Be careful not to touch the quartz glass part, as it is fragile and can easily break.
- Do not look directly at the UV light source with the naked eye, as it can damage the eyes.
- Use a dedicated power outlet for the transformer, and avoid sharing one outlet with multiple devices, as unstable voltage can cause the lamps and transformer to burn out.
- Unless used with a pure water system, remove the quartz tubes every 3 months to check for any scaling, and use this as a reference for the next regular cleaning and maintenance schedule.

## The suggested configuration for a UV sterilization circulation system

