

ROTEK UV-PRO Sterilizer (48~120 GPM)

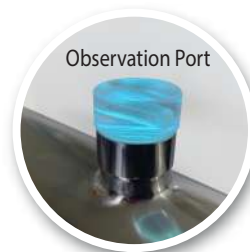
Advanced One-Piece UV Sterilizer for Professional Use

The ROTEK UV-PRO Sterilizer, the ultimate solution for water sterilization, designed specifically for professionals who demand the highest standards of performance and reliability. This robust UV sterilizer ensures a guaranteed 99.99% disinfection rate against E. coli, backed by third-party test reports available upon request.

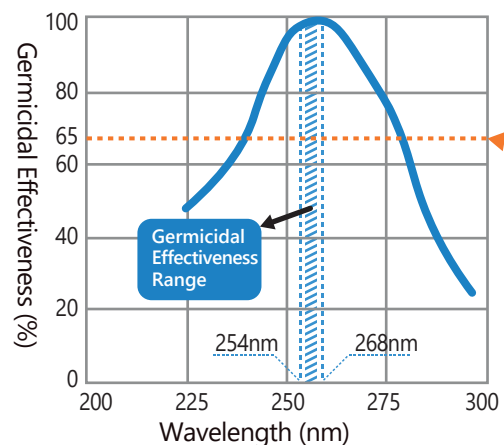


Key Features

- **Premium UV Lamp** - Equipped with a high-quality UV lamp made in the USA, the UV-PRO Sterilizer delivers unparalleled performance, ensuring optimal water sterilization.
- **UV Observation Port** - The built-in UV observation port allows for seamless monitoring of UV intensity. For those requiring detailed monitoring, the sterilizer can be paired with an optional UV intensity monitor, providing real-time data on UV dosage.
- **Safety First** - Comes with a built-in Residual Current Circuit Breaker (RCCB) to protect against electrical leakage, ensuring the highest level of operational safety.
- **Advanced Control System** - The HMI touch screen panel, paired with PLC control, offers an intuitive interface for managing the sterilizer. Features include:
 - Individual UV lamp alarm
 - Timer countdown for lamp replacement
 - Operational time totalizer
 - UV Dosage Monitor (available when the UV intensity monitor is installed)
- **Efficient Maintenance and Sampling** - The bottom drainage port also serves as a sampling port for sterilization checks, allowing full water drainage and easy access for maintenance when needed.



UV-PRO Wavelength & Relative Germicidal Effectiveness Curve



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

Applications

Ideal for professional water treatment facilities, laboratories, hospitals, and industries where water quality is paramount. The ROTEK UV-PRO Sterilizer is engineered to meet the stringent demands of professional environments, delivering consistent and reliable sterilization.

Specification

Model	UV-PRO-48	UV-PRO-72	UV-PRO-96	UV-PRO-120
Applicable Flow Rate	48GPM / 10CMH	72GPM / 16CMH	96GPM	120GPM
Lamp Power	39W*4	80W*3	80W*4	120W*3
Lamp Quantity	4 pcs	3 pcs	4 pcs	3 pcs
High-Transmittance Quartz Sleeves	4 pcs	3 pcs	4 pcs	3 pcs
Oil Seals	8 pcs	6 pcs	8 pcs	6 pcs
Inlet/Outlet Diameter	1.5" NPT or Custom			
Lamp Wavelength & Voltage	254nm, 220V (50/60Hz), Single Phase			
(CE) USA Quartz Lamp Hour	9000 hours			
Chamber Material	Stainless Steel #304, (#316 optional)			
Integrated Control Box	<ul style="list-style-type: none"> - PLC and 4" HMI - Leakage Circuit Breaker - Abnormal Record Function, PASS Function, Bilingual Interface (Chinese/English) - Lamp Timer and Replacement Reminder Function 			
Dedicated Electronic Ballasts	4 pcs	3 pcs	4 pcs	3 pcs
Timer	365-day countdown with alarm			
Dry Contact Output for Operation and Fault Signals (Wired to Exterior of Control Box) * 1				

Optional Add-Ons

- UV Intensity Monitor for real-time dosage monitoring.
- Third-party certified test reports for each unit, ensuring compliance with the highest standards.

Maintenance and Care Instructions

- Upon installation, verify that the lamps light up and the quartz glass tubes are intact.
- The UV lamp lifespan is approximately 9,000 hours. Replace the lamps within this period for effective sterilization, even if they still emit a blue glow.
- When replacing lamps, power off the unit and inspect the quartz glass for any damage..
- Avoid direct eye exposure to the UV light source.
- Use a dedicated outlet for the transformer to prevent voltage issues that could damage the lamps and transformer.
- If not used with a pure water system, inspect and clean the quartz tubes every 3 months to prevent scaling and adjust maintenance schedules accordingly.
- Please inspect the shipment upon receipt and record a video of the unpacking. This documentation helps us address any potential issues swiftly. To ensure we can assist you effectively, please note that any claims for damages require this record.

The suggested configuration for a UV sterilization circulation system

