

R-D[™] II Rapid Disinfector[™] UVC Specification Sheet

The Steriliz R-D Rapid Disinfector offers state of the art UVC technology, superior operational performance at an economical value compared to other environmental disinfecting devices. For more information on how the Steriliz R-D Rapid Disinfector system can help your facility improve standard disinfecting methods for hospital patient rooms please visit <u>www.steriliz.us</u> / <u>www.rapiddisinfector.com</u>.

PRODUCT FEATURES

- UVC Remote Sensor Challenge Device Monitoring
- Proprietary Pause & Reposition Allows For Fastest Treatment Time & Greater Coverage (treat a standard patient room in about 8 min)
- Data Capture Self Contained Computer
 Captures Treatment Data
- R-D IN-TRAK Software & Reporting
 Increase Disinfection Utilization
- Proven UVC Technology
- Clean Technology
- Evergreen Support & Agreement (ESA)



PRODUCT SPECS

- Height: 69"
- Base Footprint: 22¾ "X25"
- Weight: 220 lbs
- Power: 120/240vac, 50/60Hz, 1600 Watts
- Lamps: 20 Philips™ T-8 75W Ultraviolet-C (peak @ 253.7nm) non-ozone producing
- Lamp UV-C Output: 1,500W/>500W UVC
- Lamp Life: 9,000 hrs
- Dual Safety System: Door safety sensor & motion detection system
- Safety Ratings: UL, CSA
- 1 Year Limited Warranty

Proprietary UVC Challenge Device light sensors definitively measure actual UVC dose delivered to targeted treatment areas and determine if the published UV-C kill dose was delivered to targeted areas of the environment. The R-D is a dose based system that does not rely on time or distance. Quantitative Measurement is science based – NO guessing. **Measurement is critical to account for** room dynamics such as square footage, distance, shape, angle, color, materials, obstructions, light intensity, light age and shadowed areas.

The R-D Rapid Disinfector UV system is the only UV system that measures, records and reports. Room disinfection time is based on the remote UVC sensors receiving a dose of 46,000 μ Ws/cm² that produces a 3.4 log₁₀ *C. diff* spore reduction (3.4 log₁₀ = 99.96% = 2500:1 spore reduction). Regardless of the pathogen being targeted, the system will not shut off until each sensor receives the 46,000 μ Ws/cm² dose - which could take approx 8 minutes (for a single patient room). UVC Measurement sensors take the guess work out of determining where the UV light goes – or just as importantly where it does not go.



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How often is UVC disinfection needed? UVC should be used as an adjunct to manual cleaning. Hospitals with the highest success rate at lowing hospital-acquired infections (HAIs) Implement aggressive UVC treatments through early adoption & frequent proactive use and adopt processes like "Pause & Reposition" & "Clean Sweep" Protocol.

 UVC Remote Sensor Challenge Device Monitoring allows the R-D to be "Paused & Repositioned" in the environment which reduces shadowed areas and treatment time by exposing more areas of the treatment space to direct UVC light.



R-D IN-TRAK™ Feature Rich Reporting Provides: real-time on-line reports, visibility, accountability, statistical analysis, export data capability, PROOF OF COMPLIANCE and helps drive system utilization.



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