

Easy lamp change

Experience troublesome lamp changes and broken sleeves no longer with Radfire's new lamp connector. Lamp changes with an effortless ¼ turn of the connector... no fumbling with metal clips as in competitive systems.

See dimensions on page 2

GENERAL INFO

INDUSTRIAL ULTRAVIOLET WATER TREATMENT SYSTEMS

Puretec RI Series ultraviolet disinfection systems for microbiological protection for your Industrial application. Constructed with highly polished 316 stainless steel reactors and industrial grade enclosures, it uses proven low pressure amalgam (LP-AM) lamp technology offering stable output in both hot and cold water applications.

Covering a wide variety of applications in both regulated and unregulated markets, RI Series offers environmentally friendly disinfection at lower capital and operating costs than traditional disinfection solutions.

FLEXIBLE APPLICATIONS

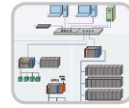
- Disinfection** Choose your required dose for applications that include restaurants, nursing homes, campgrounds, agricultural, food services, schools, marine, etc.
- Hot Water** For use in hot water applications including recirculation loops, showers, cooling towers, etc., designed for the reduction of legionella
- Low UVT** For applications where water quality may approach 70 % UVT or less, choose the low UVT systems to increase the operational performance and reduce nuisance alarms
- TOC** For the reduction of TOC (Total Organic Carbon) using UV lamps at 185 nm output

FEATURES & BENEFITS

- Colour user interface with full diagnostics and warnings
- "Future-proof" expandability port for future upgrades and options
- Axial flow, 316 stainless steel reactor, polished reactors with integral sensor port to allow for sensor upgradeability in the future
- Universal input, constant current electronic controller (one controller for all systems) in a splash-proof case
- 12,000 hour lamp life

SPECIFICATIONS & PERFORMANCE DATA

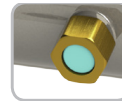
Model	RI-37K
Normal Flow Rate 30 mJ/cm ² @ 95 % UVT	85 GPM 322 Lpm
Hot Water Flow Rate 30 mJ/cm ² @ 75 % UVT	60 GPM 227 Lpm
LOW UVT Flow Rate 30 mJ/cm ² @ 50 % UVT	35 GPM 133 Lpm
TOC Flow Rate 150 mJ/cm ² @ 95 % UVT	17 GPM 64 Lpm
Alt. flow-US Public Health 16 mJ/cm ² @ 95 % UVT	167 GPM 632 Lpm
Alternate flow-NSF/EPA 40 mJ/cm ² @ 95 % UVT	67 GPM 252 Lpm
Port Size	2"
Electrical	230V/50-60Hz
Plug Type	Australian AS/NZ 3112, 3-wire for all 230V
Lamp (Watts)	207
Power (Watts)	220
Replacement Lamp	RL37K
Replacement Sleeve	RQ37K
Chamber Material	316L Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated
Chamber Dimensions	1190mm H [4.00] ø 101.6
Controller Dimensions	154 W x 320.2 H
Maximum Operating Pressure	10.3 bar (150 psi)
Operating Temperature Range	2-60° C (36-148° F)
UV Monitoring Port (Upgradeability)	Yes
Remote - On	Yes
Dry Contacts (Solenoid Ready)	Yes
4-20 mA Output	Yes
Lamp Age Counter	Yes
Visual Lamp-Out Indicator	Yes
Audible Lamp-Out Alarm	Yes
Shipping Weight	Call

SYSTEM FEATURES
**Remote Monitoring (Dry Contacts)
Output (Capability Only) - Included**


Allows for the dry contact signal (on/off) provided by the controller to be sent to a remote location. Can be used for remote on, solenoid connection, PLC connection, remote alarm, remote visual, or many other options. (Note: Requires optional Volt Free Connection as shown below)

Volt Free Connection - Optional


Connector and 10 m (33') of cable to remotely control the RI-37K dry contact signal, Order part number RI-VFC

UV Sensor Port


RI-37K reactors include an integral UV sensor port for future upgradeability. Simply remove the plug and affix the optional UV Sensor!

UV Sensor Module - Optional


Allows for the 254nm UV wavelength to be measured and displayed via the Radfire controller. Sensor plugs directly into the controller and is mounted in the sensor port located on RI-37K reactors. Order part number RI-SEN