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GENERAL INFO

COMMERCIAL ULTRAVIOLET WATER TREATMENT SYSTEMS

Looking for a feature-laden premium UV system, then Puretec Radfire's RI Series of UV systems should be your choice. In looking at this line, one easily sees how this product is truly different from everything else in the market. Puretec Radfire's state-of-the-art controller is a constant current electronic power source housed in a splash-proof case and comes standard with a "future-proof" expandability port for future upgrades or options. A colour user interface allows for easy visual identification of remaining lamp life and any error or fault codes.

Rugged stainless steel, single-end reactors come with an integral port to allow for a future upgrade to a UV monitored system. If a monitor is not required, an integral visual glow plug is provided as an extra way to ensure that your UV lamp is illuminated. The single-end design allows for lamp change without the need to drain the reactor chamber. Reliable, industry proven, high quality low pressure (LP) coated UV lamps are used offering a consistent output over their life.

OPTIONAL UPGRADE MODULES

FEATURES & BENEFITS

Solenoid Connection



Used to power a remote normally closed solenoid valve (not included). Solenoid will close on lamp failure or when low UV conditions are detected by the sensor. Order RI-SOL

Volt Free Connection



Used for signal transfer to a remote device such as a data logger or computer. Order RI-VFC

UV Sensor Module



Allows the 254nm UV wavelength to be measured and displayed via the Radfire controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all Radfire reactors. Order RI-SEN

- 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
- 10,000 hour lamp life

SPECIFICATIONS & PERFORMANCE DATA

MANUFACTURER'S WARRANTY

Model	RI-6K	RI-10K	RI-17K
Flow Rate @ 16 mJ/cm ²	106 Lpm	180 Lpm	290 Lpm
Flow Rate @ 30 mJ/cm ²	56 Lpm	95 Lpm	151 Lpm
Flow Rate @ 40 mJ/cm ²	45 Lpm	72 Lpm	120 Lpm
Port Size	1"	1"	1½"
Electrical	110-220V / 50-60Hz		
Plug Type	Australian AS/NZ 3112		
Lamp (Watts)	50	67	101
Power (Watts)	62	73	115
Replacement Lamp	RL6K	RL10K	RL17K
Hot Water Lamp	-	RL10K-HW	RL17K-HW
Replacement Sleeve	RQ6K	RQ10K	RQ17K
Chamber Material	304 Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated	316 Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated	316 Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated
Chamber Dimensions			
Chamber Length	1060 mm	674mm	1023 mm
Diameter	[2.50] ø 63.5	[3.50] ø 88.9	[3.50] ø 88.9
Controller Dimensions	171.8 mm H x 89 mm W	217.4 mm H x 107 mm W	217.4 mm H x 107 mm W
Maximum Operating Pressure	8.6 bar (125 psi)	10.3 bar (150 psi)	10.3 bar (150 psi)
Operating Temperature Range	2-40° C (36-104° F)		
UV Monitoring Port	Optional	Upgradeable, includes visual glow plug	Upgradeable, includes visual glow plug
Solenoid Output	Optional	Optional	Optional
Volt Free Output	Optional	Optional	Optional
Lamp Change Reminder (audible & visual)	Yes	Yes	Yes
Lamp-Out Indicator (audible & visual)	Yes	Yes	Yes
Shipping Weight	8.0 kg (17.6 lbs)	6.5 kg (14.3 lbs)	8.0 kg (17.6 lbs)
Lamp Life (hours)	9,000	10,000	10,000
Lamp Style	Low Pressure Standard	Low Pressure HO	Low Pressure HO

System	2 Years*
UV Lamp	1 Year Pro-rata
Quartz Sleeve	1 Year Pro-rata