

GENERAL INFO

COMMERCIAL ULTRAVIOLET WATER TREATMENT SYSTEMS

Control bacteria & virus issues in water *including E.coli, Cryptosporidium and Giardia.*

Looking for a feature-laden, premium UV system? Then Puretec Radfire's RI Series of UV systems should be your choice. When looking at this line, it is easy to see 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.

FEATURES & BENEFITS

- Colour user interface with full diagnostics and warnings.
- "Future-proof" expandability port for future upgrades and options.
- Axial flow, 304 or 316 stainless steel reactor, polished reactors with integral sensor port to allow for sensor upgradeability in the future.



RI-6K

UV Sterilizer, 57 Lpm,
304 SS, 25mm connection
NSF Class B



RI-10K

UV Sterilizer, 95 Lpm,
316 SS, 25mm connection
NSF Class B



RI-17K

UV sterilizer, 151 Lpm,
316 SS, 40mm connection
NSF Class B



RI-17KA

UV sterilizer, 68 Lpm,
316 SS, 40mm connection
NSF Class A

Ordering Code:	RI-6K	RI-10K	RI-17K	RI-17KA
Flow Rate: 16 mJ/cm ² @ 95% UVT*	114 Lpm	178 Lpm	295 Lpm	n/a
Flow Rate: 30 mJ/cm ² @ 95% UVT*	57 Lpm	95 Lpm	151 Lpm	n/a
Flow Rate: 40 mJ/cm ² @ 95% UVT*	45.4 Lpm	72 Lpm	117 Lpm	68 Lpm
Connection:	1" MNPT	1" MNPT	1½" MNPT	1½" MNPT
Replacement Lamp:	RL6K	RL10K	RL17K	RL17K
Replacement Sleeve:	RQS6K	RQS10K	RQS17K	RQS17K
Operating Temperature:	2 - 40°C	2 - 40°C		
Power Supply:	90-265V / 50-60Hz	90-265V / 50-60Hz	90-265V / 50-60Hz	90-265V / 50-60Hz
Warranty:	2 years^	2 years^	2 years^	2 years^
Optional Accessories:	RI-SEN1 - UV sensor module, suits RI-6K RI-SEN2 - UV sensor module, suits RI-10K and RI-17K RI-SOL - Solenoid connection, suits RI-6K, RI-10K and RI-17K RI-TMV - Water temperature management valve, ½" BSP RI-VFC - Volt free connection, suits RI-6K, RI-10K, RI-17K			

*Flow restriction needs to be removed to achieve these flow rates. Flow restriction is installed for NSF approval. For indoor installation only, must be protected from the weather.

Hot Water Models

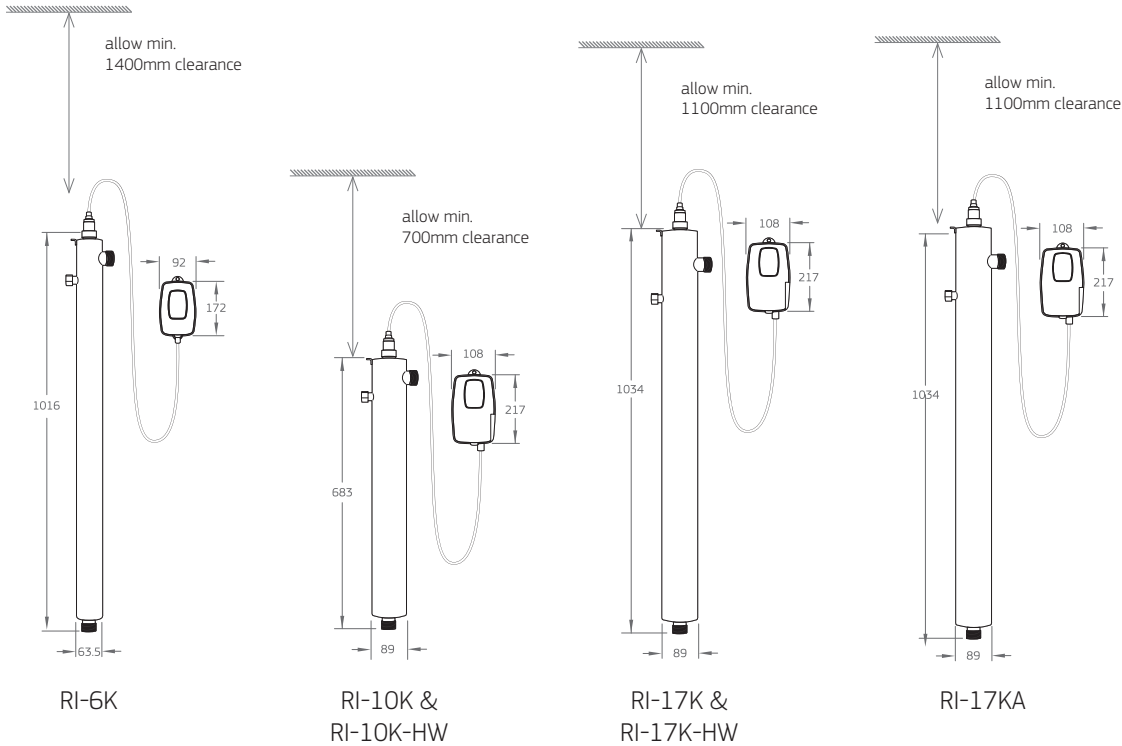
Ordering Code:	RI-10K-HW	RI-17K-HW
Flow Rate: 30 mJ/cm ² @ 70% UVT*	39 Lpm	110 Lpm
Connection:	1" MNPT	1½" MNPT
Replacement Lamp:	RL10K-HW	RL17K-HW
Replacement Sleeve:	RQS10K	RQS17K
Operating Temperature:	2 - 65°C	
Power Supply:	90-265V / 50-60Hz	90-265V / 50-60Hz
Warranty:	2 years^	
Optional Accessories:	RI-SEN2 - UV sensor module, suits RI-10K-HW and RI-17K-HW RI-SOL - Solenoid connection, suits RI-10K-HW and RI-17K-HW RI-TMV - Water temperature management valve, ½" BSP RI-VFC - Volt free connection, suits RI-10K-HW and RI-17K-HW	

*Flow restriction needs to be removed to achieve these flow rates. Flow restriction is installed for NSF approval. For indoor installation only, must be protected from the weather.

SPECIFICATIONS

Ordering Code:	RI-6K	RI-10K & RI-10K-HW	RI-17K & RI17K-HW	RI-17KA
Plug Type:	Australian AS/NZ 3112			
Lamp (Watts):	50	67	101	101
Power (Watts):	62	73	115	115
Maxium Current (amps):	1	1.5	1.5	1.5
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	316 Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated
Chamber Dimensions:				
Chamber Length:	1016 mm	683 mm	1034 mm	1034 mm
Diameter:	64 mm	89 mm	89 mm	89 mm
Controller Dimensions:	172 x 92 x 102 mm	217 x 108 x 102 mm	217 x 108 x 102 mm	217 x 108 x 102 mm
Operating Pressure:	700 - 1030 kPa			
UV Monitoring Port:	Optional	Upgradeable, includes visual glow plug	Upgradeable, includes visual glow plug	Upgradeable, includes visual glow plug
Solenoid Output:	Optional	Optional	Optional	Optional
Volt Free Output:	Optional	Optional	Optional	Optional
Lamp Change Reminder (audible & visual):	Yes	Yes	Yes	Yes
Lamp-Out Indicator (audible & visual):	Yes	Yes	Yes	Yes
Shipping Weight:	6.5 kg	7.2 kg	9.7 kg	9.7 kg
Lamp Life (hours):	10,000			
Lamp Style:	Low Pressure Standard	Low Pressure HO	Low Pressure HO	Low Pressure HO

PRODUCT DIMENSIONS Measurements in Millimeters (mm)



Note:

1. No claims can be made based on the specifications and images in this document. The design, technology, colours, features and prices are subject to change.
2. This document and all its contents are copyright protected. All rights are reserved, particularly alteration, translation and reproduction using electronic systems.
3. Warranties in this document cover parts for the period stated and include 1 year cover for parts and labour for the first year where applicable, subject to approval. Plus 1 years parts only.
4. For indoor installation only, must be protected from the weather.

Our Water Filtration Specialists can provide you with advice to suit your needs.

ADDITIONAL INFORMATION

Where the water being treated contains unusually high levels of dissolved solids particularly hard water, iron, manganese or biological organisms, a deposit build up on the quartz sleeve may occur over time. Maximum recommended parameters are as follows:

Iron:	less than 0.3 mg/L
Hydrogen Sulfide:	less than 0.05 mg/L
Suspended Solids:	less than 10mg/L
Manganese:	less than 0.05 mg/L
Hardness:	less than 110mg/L