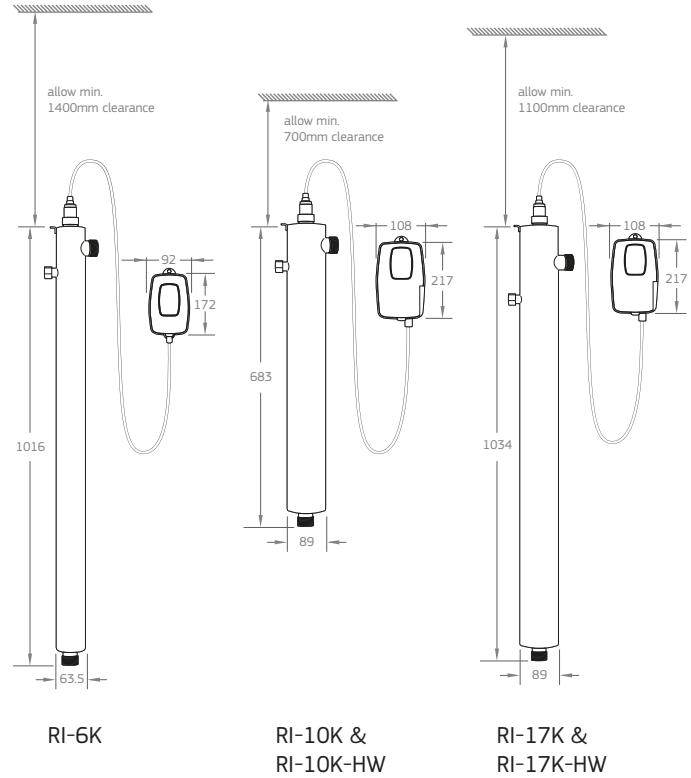


# Radfire™ RI Series

## Commercial Ultraviolet Water Treatment Systems

ULTRAVIOLET



Note: All dimensions are in mm.

### Parts Included



### Specifications

Ordering Code	Flow (Lpm)	Connection (MNPT)	Temp °C	Replacement Lamp	Replacement Sleeve	Total Weight (kg)	Lamp Life (hrs)
RI-6K	57 @30mJ/cm2, 114 @16 mJ/cm2	1"	2-40	RL6K	RQ56K	6.5	9,000
RI-10K	95 @30 mJ/cm2, 178 @16 mJ/cm2	1"	2-40	RL10K	RQ510K	7.2	10,000
RI-17K	151 @30 mJ/cm2, 295 @16 mJ/cm2	1 1/2"	2-40	RL17K	RQ517K	9.7	10,000
RI-10K-HW*	39 @30 mJ/cm2, @75% UVT (Industry Standard)	1"	2-65	RL10K-HW	RQ510K	7.2	10,000
RI-17K-HW*	110 @30 mJ/cm2, @75% UVT (Industry Standard)	1 1/2"	2-65	RL17K-HW	RQ517K	9.7	10,000

Notes:

\*HW = Hot Water Model. 90-265V / 50-60Hz Voltage. Lamp type: RL6K (GPH), RL10K / RL17K (GHO). For indoor installation only, must be protected from the weather. Protect from freezing.

Operating pressure is 70-1030 kPa. If pressure exceeds max pressure, an approved pressure limiting device needs to be fitted. If water hammer is present, fit a hammer arrestor close to the source of the hammer. Check local plumbing regulations as a specific kPa limit for the pressure limiting valve may be required (in particular, The Australian & New Zealand Plumbing Standards. Ref. AS/NZS 3500.1:2021, Clause 3.3.4)

Total Dissolved Solids of around 500 ppm can significantly reduce the rated flow rate. Proper pretreatment of high TDS levels must be taken into account.

All UV systems require pre-filtration to at least 5 micron. Suspended Solids will act against a UV system. Dirt, rust, turbidity, etc. all have the ability to block out the UV light. It is absolutely necessary to properly control the level of suspended solids by properly pre-filtering the liquid prior to disinfection. 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	Manganese	less than 0.05 mg/L
Hydrogen Sulfide	less than 0.05 mg/L	Hardness	less than 110 mg/L
Suspended Solids	less than 10mg/L		

Warranty:

2 year\* warranty is 1 year parts and labour, plus 1 year parts only. This warranty does not cover consumable parts that are included in the RI Series products including but not limited to UV lamps, UV Sleeves and sensors.

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For more information contact your local stockist or visit us at [puretecgroupp.com](http://puretecgroupp.com)  
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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 cover for parts and labour for the first year where applicable, subject to approval. Excludes consumables.  
Our Water Filtration Specialists can provide you with advice to suit your needs.