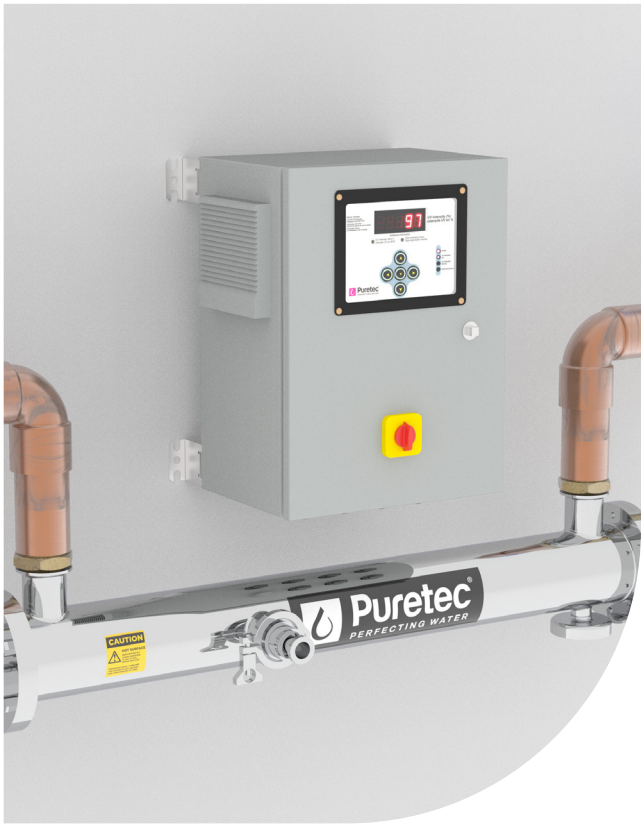
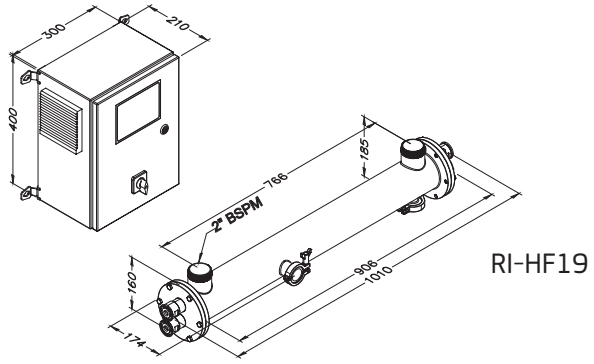
ULTRAVIOLET

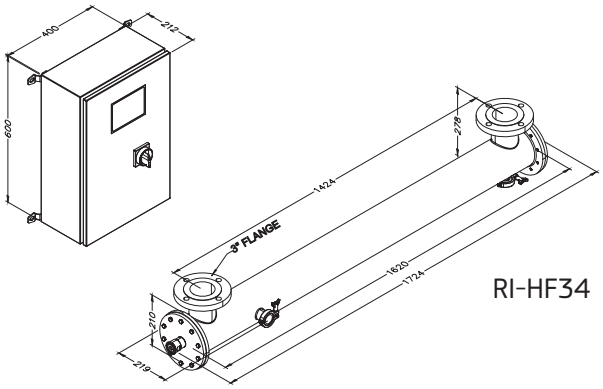
RI-HF Series

Industrial Ultraviolet Water Treatment Systems

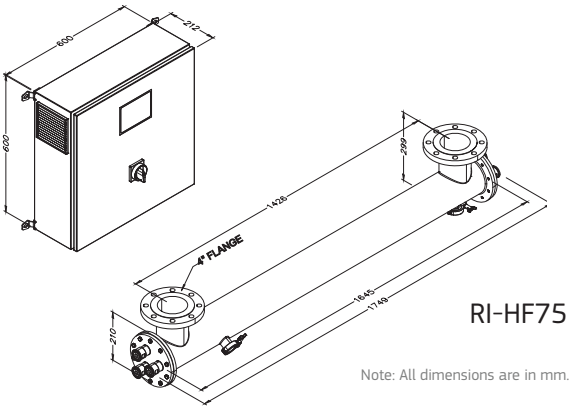




RI-HF19



RI-HF34



RI-HF75

Note: All dimensions are in mm.

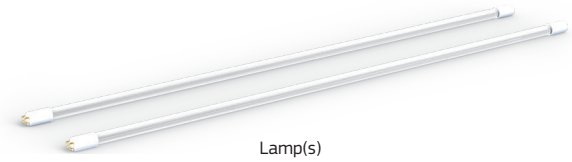
Parts Included

Control Panel

User guide

UV Sterilizer

UV Sensor



Lamp(s)

For more information contact your local stockist or visit us at **puretecgroup.com**
Australia **1300 140 140** | New Zealand **0800 130 140**

MAY 2026

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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.

Puretec® PERFECTING WATER

ULTRAVIOLET

Specifications

Ordering Code		RI-HF19	RI-HF34	RI-HF75
Flow Rate @ 98% UVT EOL	AUV Standard - 30 mJ/cm2	19 m3/hr (316 Lpm)	34 m3/hr (566 Lpm)	75 m3/hr (1250 Lpm)
	40 mJ/cm2	14.5 m3/hr (241 Lpm)	26 m3/hr (433 Lpm)	56 m3/hr (933 Lpm)
Flow Rate @ 95% UVT EOL	30 mJ/cm2	18 m3/hr (300 Lpm)	31 m3/hr (516 Lpm)	68 m3/hr (1133 Lpm)
	40 mJ/cm2	13.5 m3/hr (225 Lpm)	23 m3/hr (383 Lpm)	51 m3/hr (850 Lpm)
Flow Rate @ 70% UVT EOL	NSF / EPA - 40 mJ/cm2	7 m3/hr (116 Lpm)	11 m3/hr (183 Lpm)	25 m3/hr (416 Lpm)
Electrical	Voltage	220-240V / 50-60Hz	220-240V / 50-60Hz	220-240V / 50-60Hz
	Maximum Power Consumption	362 W	512 W	1234 W
	Number of Lamps	2	1	3
	Lamp Life	12,000 Hours or approximately 16 Months		
Control Panel	Rating	-	IP54	
	Material	Powdercoated Steel		
	Max. Lamp Cable Length (meters)	4.5		
Chamber	Material	Stainless Steel 316L		
	End Connections (ASA 150 RF Flanges)	2" BSPP Male	3" (ASA 150 RF Flanges)	4" (ASA 150 RF Flanges)
	Max. Operating Pressure	827 kPa (120 psi)		
	Max. Operating Temperature	45°C		
	Max. Sanitization Temperature	125°C (lamps turn off)		
	Total Weight (kg)	25	55	63
Standard Features	Lamp Replacement Reminder with Pre-Alert	✓		
	Lamp Failure Indication (with Alarm)	✓		
	UV Intensity Meter	✓		
	4-20 mA Output Signal	✓		
	RS485 / MODBUS Interface	-	✓	
	Built In Data Logging (3,000 records)	-	✓	
	Control Panel Temperature Control (with automatic over temperature shutoff)	-	✓	
	Reactor Temperature Control (with automatic over temperature shutoff)	-	✓	
	Control Panel Safety Interlock Switch	-	✓	

Notes:

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.

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-HF Series products including but not limited to UV lamps and UV Sleeves.

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