



Radfire UVMax Intelligent Series

Ultraviolet Light – the Right Choice for Water Purification

Instills Water Confidence

Owners of a **Radfire UVMax** can drink with confidence knowing 99.99% of illness-causing microorganisms, including *E. coli*, *Cryptosporidium* and *Giardia* are destroyed, supplying safe water to every tap.

Environmentally-friendly and Chemical Free

UV water purification is a natural process that adds no chemicals and does not affect the taste or odour of water. Other methods, such as those that use chlorine, may create harmful chemicals that have been linked with serious illnesses, such as cancer.

Trouble-free Maintenance

Maintenance is simple and can be completed in minutes - without tools. It's as easy as replacing the UV lamp once a year and periodically cleaning the sleeve.

Model Uses

RI-B4

Primarily used in conjunction with undersink systems, eg an under sink water system used to produce drinking water in the kitchen.

RI-C4

Our most economical unit, ideal for small homes. The RI-C4 comes with a range of features and options.

RI-D4

Has a range of additional features and capabilities. In the event of a power or lamp failure, the addition of a solenoid emergency shut-off kit provides added protection.

RI-E4 / RI-F4

Suited to larger homes and businesses or applications with more demanding water flow needs.

Typical Installation



Safety Cap and Special Lamp Plug

Our safety cap prevents children from accessing the lamp or electrical components. The special lamp plug ensures that no one can power the UV lamp if its not in the UV chamber.

Test of Sensor Operation

With the push of a button you can confirm the proper operation of the sensor.

Unique Lamp / Sleeve Assembly

Lamps and sleeves are assembled together for ease of handling. They can be replaced separately, in minutes and without tools.

Reference Card

The reference card outlines the most important system functions and maintenance for your quick, on-the-spot questions.

Helpful Lamp Replacement Reminder

The Lamp timer display starts at 365 and counts down the days to annual lamp replacement.

Mute Button

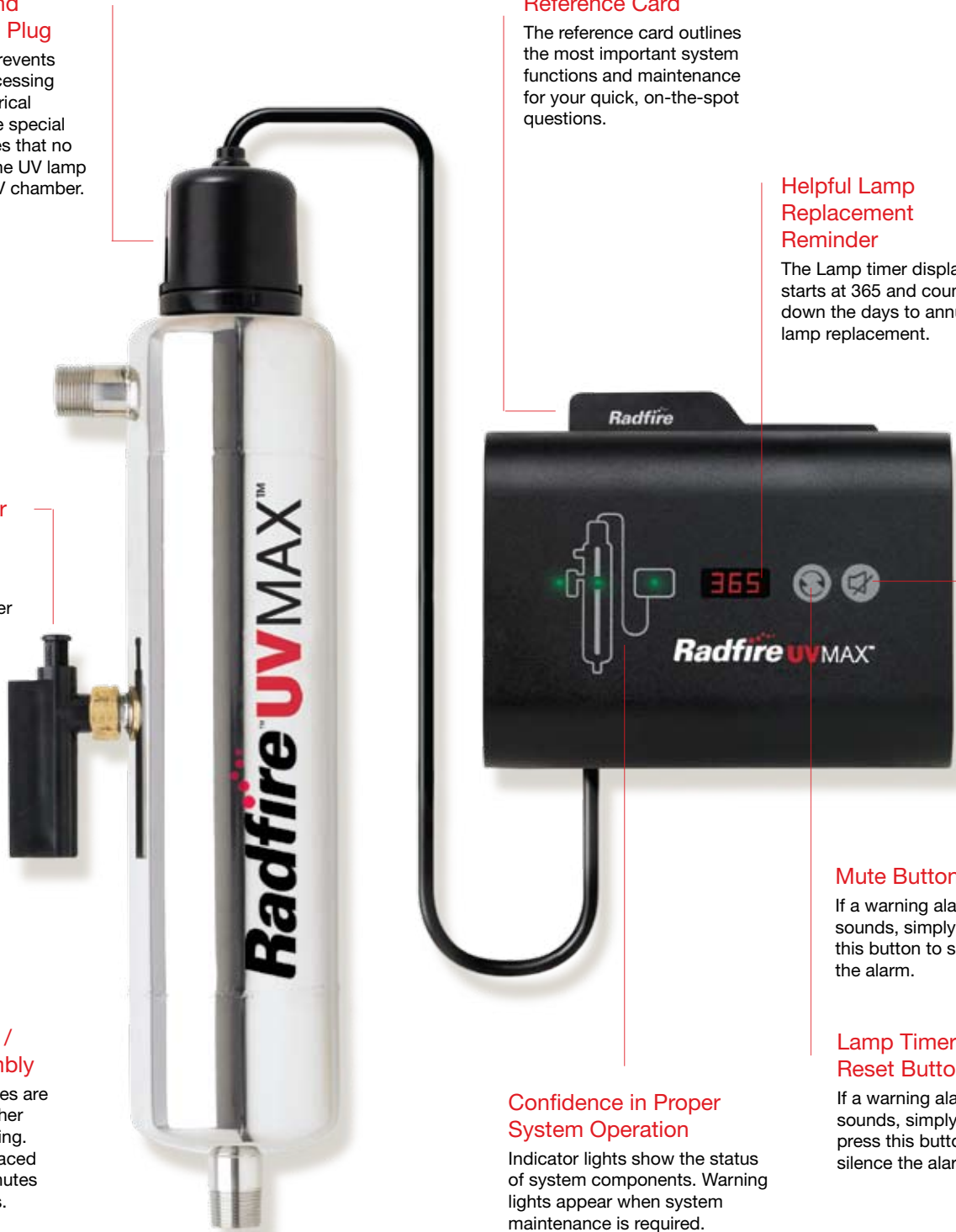
If a warning alarm sounds, simply press this button to silence the alarm.

Lamp Timer Reset Button

If a warning alarm sounds, simply press this button to silence the alarm.

Confidence in Proper System Operation

Indicator lights show the status of system components. Warning lights appear when system maintenance is required.





Intelligent Series

General

Colour-coded plug and play connections
UV intensity monitor with diagnostic test
CoolTouch fan
Dynamic flow restrictor
Communications ports (two, RJ45)
COMMcenter control package
Solenoid valve
Chamber material
Rated service life of lamp
Inlet and outlet
Rated Flow
Lamp Time Display
Mute Button
No-Tools Maintenance
Warranty (Manufacturer Defects)
(Water Chamber)
(Lamp & sensors)

RI-B4	RI-C4	RI-D4 RI-D4 Plus	RI-E4 RI-E4 Plus	RI-F4 RI-F4 Plus
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--	--	Yes on Plus units	Yes on Plus units	Yes on Plus units
--	--	Recommended for Plus units	Recommended for Plus units	Recommended for Plus units
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	Yes	Yes	Yes
304 SS	304 SS	304 SS	316 SS	316 SS
1 year	1 year	1 year	1 year	1 year
3/8"	3/4"	3/4"	1"	1"
15 Lpm	35 Lpm	35 Lpm	57 Lpm	95 Lpm
--	--	Yes	Yes	Yes
--	--	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
3 Years	3 Years	3 Years	3 Years	3 Years
10 Years	10 Years	10 Years	10 Years	10 Years
1 Year	1 Year	1 Year	1 Year	1 Year

Controls

Audible alarm mute button
New lamp button
Lamp age indicator
Lamp operation indicator
Ballast operation indicator
Solenoid operation indicator
Fan operation indicator
Sensor operation indicator
Sensor with diagnostic test

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--	--	Yes on Plus units	Yes on Plus units	Yes on Plus units
--	--	Yes on Plus units	Yes on Plus units	Yes on Plus units

Electrical

Voltage
Frequency
Max. current
Max power consumption
Lamp power
High-Output lamp

100-240V AC	100-240V AC	100-240V AC	100-240V AC	100-240V AC
50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
0.4 A	0.5 A	0.5 A	0.85 A	1.2 A
36W	50W	50W	83 W	130W
25W	40W	40W	70 W	110W
Yes	Yes	Yes	Yes	Yes

Dimensions

Chamber
Power supply

370 x 100mm	520 x 100mm	520 x 100mm	760 x 100mm	1125 x 100mm
220 x 150mm	220 x 150mm	220 x 150mm	220 x 150mm	220 x 150mm

Operating Parameters

Maximum operating pressure
Minimum operating pressure
Maximum ambient air temperature
Minimum ambient air temperature
Maximum humidity
Maximum hardness
Maximum iron
Minimum UVT
Installation

862 kPa	862 kPa	862 kPa	862 kPa	862 kPa
69 kPa	69 kPa	69 kPa	69 kPa	69 kPa
50°C	50°C	50°C	50°C	50°C
0°C	0°C	0°C	0°C	0°C
100%	100%	100%	100%	100%
120 mg/L	120 mg/L	120 mg/L	120 mg/L	120 mg/L
0.3 mg/L	0.3 mg/L	0.3 mg/L	0.3 mg/L	0.3 mg/L
85%	85%	85%	85%	85%
Vertical or horizontal*	Vertical or horizontal*	Vertical or horizontal*	Vertical or horizontal*	Vertical or horizontal*

*Systems with sensors must be installed vertically