# AquaResponse24

# **Emergency/Disaster Water Filter Systems**

Rainfresh **AquaResponse24** is a packaged water treatment system designed to deliver microbiologically safe drinking water from surface water sources such as a lake, pond, river, cistern etc.

Featuring Rainfresh's high performance ultraviolet disinfection technology, **AquaResponse24** features a triple-stage treatment design. The first stage removes dirt, rust, sediment, silt, mud and other particulate matter. The second stage reduces organics and the third stage disinfects the water by destroying

- bacteria
- coliform bacteria (e.g. E. coli),
- water-borne viruses
- parasitic cysts (e.g. Cryptosporidium & Giardia)

Rainfresh AquaResponse24 unit is ideal for disaster-relief first response, remote villages, mining camps and other applications where safe drinking water is required at high flow rates.

#### PERFORMANCE

- High water production rate Up to 24 US Gal/Min (5.4 m<sup>3</sup>/Hr)
- UV delivers > 40mJ/cm<sup>2</sup> UV dose at rated flow
- 3-Stage Purification Process 5 micron sediment filtration, 5 micron activated carbon filtration and disinfection by germicidal UV
- Inactivates water-borne bacteria, viruses and parasitic cysts



	TREATED WATER CAPACITY US GPM (LPM)	DIMENSIONS	Sediment pre-filter model	Carbon filter model	UV Model	UV Dose Monitor	UV Dose mJ/cm <sup>2</sup>	Audio Visual Alarms	Lamp replaceme nt alarm*
Model		H x W x D							
AR24	24 (90.8 LPM)	44"x36"x21"	BP205 or BC205	BC202 or BC202C	R1245	No	> 40 mJ/cm²	Yes	Yes
AR24M					R1245M	Yes			

\* - Lamp life : 9,000 hours (approx. 1 year of continuous use)

- Electrical Requirement : 110V AC
- Feed water pressure : 20 psi (Min) to 100 psi (max)
- Feed water temperature : 4°C (min) to 37°C (max)
- Inlet/outlet connections : 1" hose barb (Cam-Lock fitting)

## **FEED WATER CONDITIONS**

Hardness	< 5 GPG	Iron	< 0.3 PPM	
Manganese	< 0.05 PPM	% UV Transmittance	> 80%	
Water pH	6.5 to 8.5	<b>Total Dissolved Solids</b>	< 1,000 PPM	
Turbidity	< 5 NTU	Tannins	None	

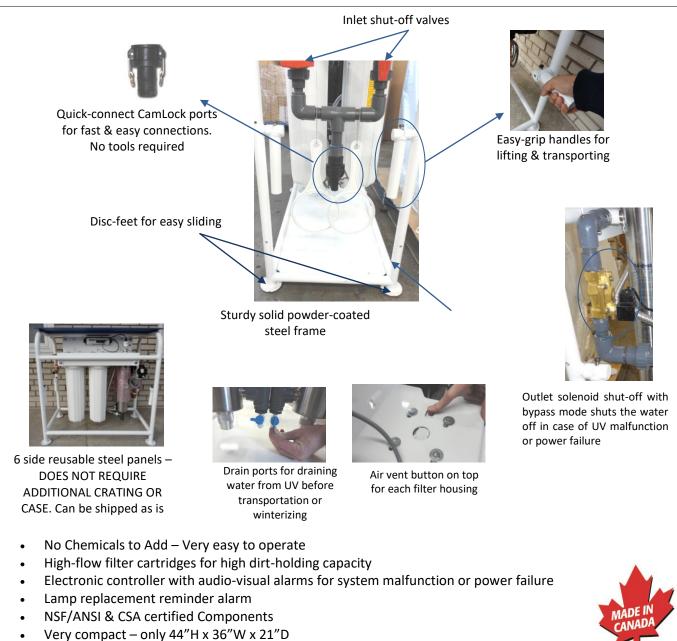
Water exceeding above parameters may require more frequent maintenance or cartridge replacement or may require additional pre-treatment





Clean, safe drinking water to over 50,000 people per day !





5 year limited warranty.

## **ABOUT ENVIROGARD**

For over half a century, Envirogard's imaginative products under the brand "Rainfresh" have lead the water filtration and treatment industry in Canada and over 40 countries worldwide. Envirogard products help millions of people all around the world to meet their needs for safe drinking water.



Envirogard Products Limited 446, Major Mackenzie Drive East, Richmond Hill, ON L4C 1J2, CANADA Tel: (905) 884 9388 Fax: (905) 884 3532 Web: www.rainfresh.ca