

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)



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

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 m³/Hr)
- UV delivers > 40mJ/cm² 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**



SPECIFICATIONS

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

FEATURES

Inlet shut-off valves

Quick-connect CamLock ports for fast & easy connections. No tools required

Easy-grip handles for lifting & transporting

Disc-feet for easy sliding

Sturdy solid powder-coated steel frame

Outlet solenoid shut-off with bypass mode shuts the water off in case of UV malfunction or power failure

6 side reusable steel panels – DOES NOT REQUIRE ADDITIONAL CRATING OR CASE. Can be shipped as is

Drain ports for draining water from UV before transportation or winterizing

Air vent button on top for each filter housing

- No Chemicals to Add – Very easy to operate
- High-flow filter cartridges for high dirt-holding capacity
- Electronic controller with audio-visual alarms for system malfunction or power failure
- Lamp replacement reminder alarm
- NSF/ANSI & CSA certified Components
- Very compact – only 44”H x 36”W x 21”D

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.

Dec 2014



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