

RESPONDER™

ULTRAFILTRATION SYSTEM

EMERGENCY WATER SOLUTIONS FOR HUMANITARIAN & DISASTER RELIEF



CLEAN SAFE DRINKING WATER

The technology is unique
The operation is simple & reliable
The results are outstanding

*A novel ultrafiltration solution,
engineered for harsh emergency &
remote MSG environments*



Safe Water for Every Child

WORLD CLASS EMERGENCY WATER TREATMENT TECHNOLOGY

- High volume – min 1000-1500 litres/Day
- Low capital cost; negligible ongoing costs
- Lightweight and portable – 5Kgs
- Simple, one-minute setup
- Hassle-free manual operation; easy cleaning
- Filter lasts up to 1 year without replacement



Nominal 1,000 -1,500 litres/day
Weight: 5 kg (packaged)

RESPONDER

ULTRAFILTRATION SYSTEM

An immediate deployment solution

SkyJuice units are used in over 75 countries and supply thousands of remote communities worldwide. **RESPONDER** is a sustainable water solution engineered for emergency environments. SkyJuice technology is well established.

RESPONDER is an effective solution for disaster response emergency water and health facilities. It can be operated from ground water (well or cistern) or surface water (lake or river) supplies. This "passive" membrane has incorporates a hand pump to facilitate for steady production on clean water.

It can be used immediately from various sources such as dams, creeks, springs and waterholes to produce clean drinking water. This is a one step process with no chemicals or additives.



3 steps for production of safe, clean emergency drinking water

1. Dirty water hand pumped directly

Dirty water hand pumped into the unit at low pressure. The operator applies steady pressure via the in-built, hand pump to produce a constant stream of water

2. Dirty water filtered at 0.04 Um

Contaminants are trapped within the membrane fibre pores on the surface, leaving clean, clear water to pass through. The trapped contaminants are flushed away allowing the system continuous operation.

3. Clean safe water via the outlet hose

Safe, clean drinking water - free of turbidity and pathogens - is ready for immediate use, storage or to be piped to additional users.

Safe, clean emergency drinking water

Each **RESPONDER** unit produces a minimum of 1500 litres or more of clean water, every day. That is enough water for the essential domestic needs of 50–100 people.

It treats most non-saline surface and ground waters using chemical-free filtration. The patented "passive membrane" technology & hand pump combo means **RESPONDER** suits community & emergency use. It can be used as a freestanding unit or multi-units to satisfy short-term and long-term water needs.

Simple to setup

It is quick and easy to set up. **RESPONDER** produces clean water immediately. You do not require technical skills or special knowledge to set up, operate or maintain the unit. Full instructions and mandatory log sheets are included

Easy to operate and maintain

The filter module is designed and engineered to last for long life. Just follow the simple, manual cleaning process. Regular manual cleans every few hours are part of the maintenance.

Daily mechanical cleaning ensures that contaminants trapped on the internal fibre surface are flushed away. Periodic cleaning using weak chlorine removes accumulated organic matter left behind during the mechanical cleaning.

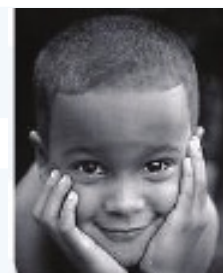
Affordable

RESPONDER is engineered as a cost-effective mobile solution. The significant feature is that no regular replacement filters are required. It is a low-cost solution with negligible ongoing costs.

Anywhere

No power is required (hand pump operation). That makes **RESPONDER** the perfect choice for quick effective deployment for emergencies and remote locations. It is ideal for disaster response in developing countries. It is lightweight and portable. **RESPONDER** is easy to store, transport and redeploy. Take it wherever you want to go.

Choose the simple, affordable, membrane solution for safe, clean water wherever you need it ...



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