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Racor Village Marine Tec. Disaster Relief Water Purification Systems Overview



ENGINEERING YOUR SUCCESS.

Purified Water for Disaster Relief

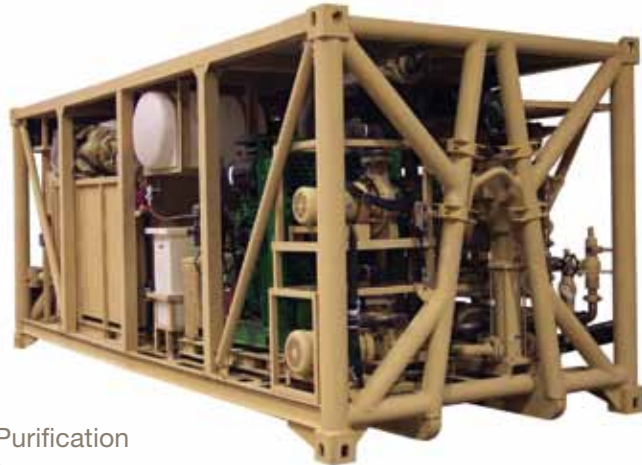


Parker Racor - Village Marine Tec.

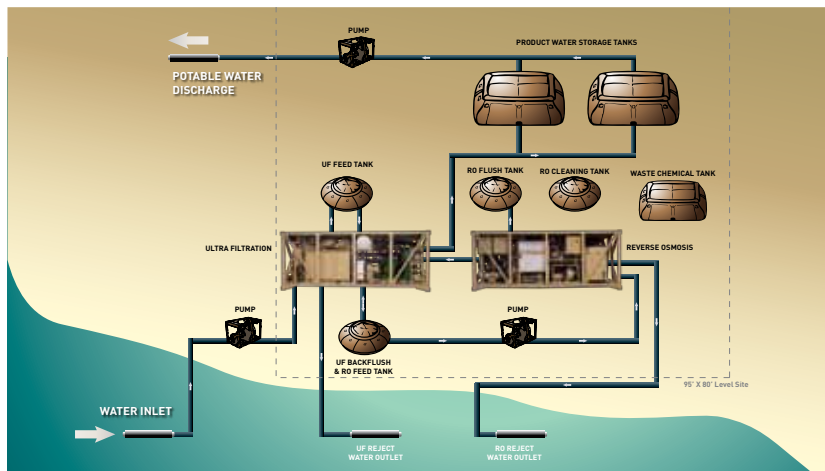
Parker Racor -Village Marine Tec. has been building reverse osmosis water purification systems for commercial and military applications since 1977.

The Problem

- The need to supply potable water to people after a disaster.
- When disaster strikes, a clean water supply must be established as quickly as possible.
- The longer a population is without a clean water supply the higher the incidence of disease and other complications.
- Relief agencies struggle to supply clean water in a timely manner.
- In the past, the solution has been to truck in bottled water.
- One tanker truck can only supply 8000 gallons of water. It would take numerous trucks to supply a large population of water.
- Moving this amount of water is a resource intensive and costly task.



EUWP
Water Purification
System



- The operation of moving this large amount of water on highways is a poor use of critical logistic resources.

The roads could be better used for other tasks in the resource constrained days following a disaster.

To maintain peak performance always use genuine Parker-Racor/Village Marine Tec. replacement parts.
We reserve the right to change our specifications or standards without notice.

The Solution

Provide water when and where it is needed.

Parker Racor - Village Marine Tec. has provided disaster relief units to NASA (part of FEMA), EPA, US Navy, US Department of Interior, and the US Army.

What makes these units unique is:

- Ease of deployment.
- Self-contained power supply.
- Simple operation.
- Air and truck transportable.
- Ruggedly built to withstand the harsh environment typical of a disaster situation.

What is available from Parker Racor VMT:

- 200 to 250,000 gallons (.75 m³ to 950 m³) per day systems.
- The smallest system comes in a back-pack format.
- Larger systems are contained in standard ISO size shipping containers for easy transport via Semi-trailer or C-130 airplane.

Parker Racor VMT disaster relief units can effectively treat:

- Seawater and fresh water contaminated with nuclear, biological, or chemical agents.



Example: The Expeditionary Unit Water Purifier (EUWP)

- The EUWP is capable of producing 100,000 gallons (380 m³) per day from any water source using the most advance technology of water purification.
 - The primary goals for the EUWP system are ease of deployment, mobility, and logistics support. The focus is on technology that reduces system energy consumption, size, and weight, leading to the reduction in the cost-per-gallon to purify water while improving water distribution capabilities.
- The EUWP has been used in the following disaster relief scenarios:
- **Hurricane Katrina Relief at Biloxi, MS and Pascagoula, MS and the USCG Station at Port Clarence, Alaska**
 - **Native American Reservation in Washington**



Summary

The Parker Racor - Village Marine Tec. reverse osmosis systems have proven to be a flexible and capable platform

providing potable water to communities and hospitals in tough environments globally.

Worldwide Filtration Manufacturing Locations

North America

**Compressed Air Treatment
Filtration & Separation/Balston**
Haverhill, MA
978 858 0505
www.parker.com/balston

**Finite Airtek Filtration
Airtek/domnick hunter/Zander**
Lancaster, NY
716 686 6400
www.parker.com/faf

Finite Airtek Filtration/Finite
Oxford, MI
248 628 6400
www.parker.com/finitefilter

**Engine Filtration &
Water Purification
Racor**
Modesto, CA
209 521 7860
www.parker.com/racor

Racor
Holly Springs, MS
662 252 2656
www.parker.com/racor

Racor
Beaufort, SC
843 846 3200
www.parker.com/racor

Racor – Village Marine Tec.
Carson, CA
310 516 9911
desalination.parker.com

**Hydraulic Filtration
Hydraulic Filter**
Metamora, OH
419 644 4311
www.parker.com/hydraulicfilter

Laval, QC Canada
450 629 9594
www.parkerfarr.com

**Process Filtration
domnick hunter Process Filtration**
Oxnard, CA
805 604 3400
www.parker.com/processfiltration

Europe

**Compressed Air Treatment
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