Parker Racor Village Marine Tec. Break-out Session for Distribution



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ENGINEERING YOUR SUCCESS.

What do we do?

- Offer reverse osmosis water purification systems, components, and solutions for customers:
 - Pleasure
 - Sail and power boats
 - Commercial
 - Fishing vessels, workboats, oil platforms and seaside hotels.
 - Government
 - Navies
 - Disaster relief



Who are the Customers?

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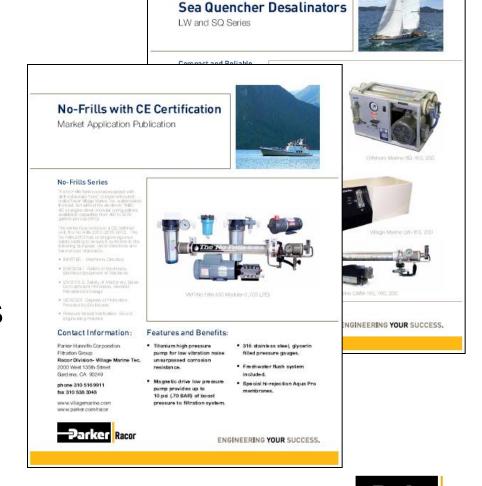


Sailboats, yachts, and trawlers - builders, and end-users



Sailboats, Yachts, and Trawlers

- Marine distributors
- Boat repair yards
- OEM boat builders
- OEM engine or genset dealers
- Marine service companies/technicians
- Bulletin number 7829 and 7839



Little Wonder and



Larger yachts - ship builders, captains, engineers, and end-users

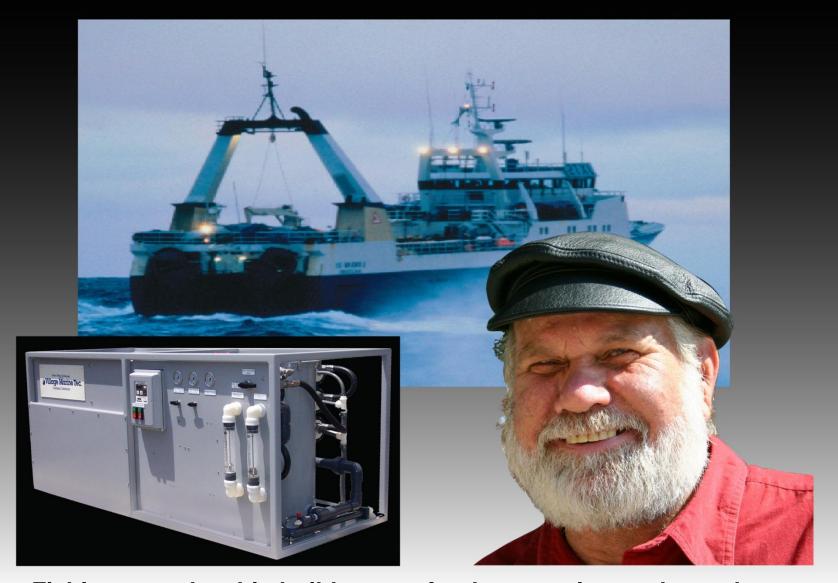


Larger Yachts

- Marine distributors
- Boat repair yards
- OEM boat builders
- OEM engine or genset dealers
- Marine service companies/technicians
- Captains, engineers, and end-users
- Bulletin number 7783







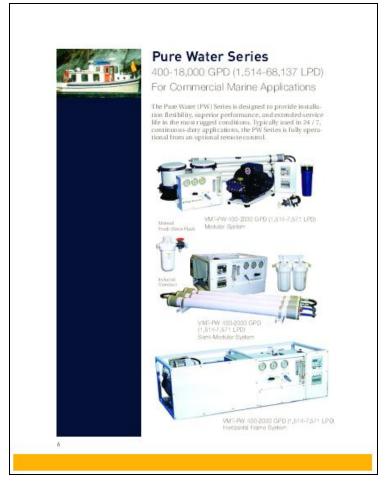
Fishing vessels, ship builders, seafood companies, and crew boats

- captains and engineers

- Racor

Fishing Vessels, Ship builders, Seafood Companies, and Crew boats

- Marine distributors
- Boat repair yards
- OEM boat builders
- OEM engine or genset dealers
- Captains, engineers, and end-users
- Marine service companies/technicians
- Bulletin number 7807







Workboats, repair yards, oil companies, exploration, design firms, and ship builders - technicians, engineers, and end-users

Workboats, Repair Yards, Oil companies, Exploration, Design Firms, and Ship Builders

- Marine distributors
 Technicians
- Engineers
- Owners
- OEM engine or genset dealers
- Bulletin numbers 7807 and 7799







Seaside hotels and resorts – managers, owners, contractors, engineers, and technicians



Seaside Hotels and Resorts

- Distributors
- Hotel Associations
- Managers
- Owners
- Contractors
- Engineers
- Service companies/technicians
- Bulletin number 7799



The Pure Water (PW) Series is designed to provide installation flexibility. superior performance. and extended service life in the most rugged conditions. Typically used in 24/7, continuous-duty applications, the PW Series is fully operational from an optional remote control.





Pure Water Series

3,000-18,000 GPD (11,356-68,137 LPD) For Commercial Applications and Seaside Properties

Standard Features

- · Monel mesh strainer and dual sediment prefilters.
- Maintenance-free Air/Oil se parator allows operation while underway.
- · 3 or 5 plunger titanium pump for low vibration and noise with unsurpassed corrosion resistance. Lifetime guarantee on pump head to original owner.
- · Magnetic drive low pressure pump provides up to 10 psi of boost pressure to the filtration system. Never requires se al replacement.
- · 316SS, glycerin filled pressure gauges. · Freshwater flush system included. Optional
- automation of the flush system is available. · Lifetime guarante ed
- FRP pressure vessels, to

- regulating valve allows us in fresh, brackish or seawater.
- Easy to operate 316 SS high pressure bypass valve controls the operating mode from cleaning/ rinse to R.O. allows high pressure bypass for start-up and low pressure flushing without readjustment of regulating valve.
- · Automatic diversion valve diverts water to discharge if water quality drops below acceptable standards.
- · Digital water quality monitor displays purity of product water output. Also displays temperature and total hours for accurate service log.
- · Cleaning valve for easy cleaning or sterilization of the system including membranes.





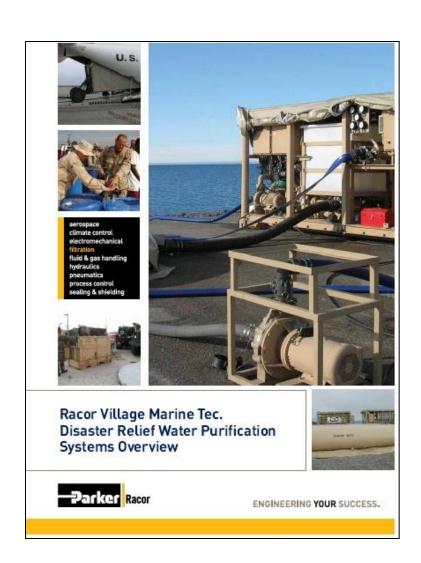


Disaster relief – governmental agencies and non-government organizations



Disaster Relief

- Distributors
- Rental yards
- Governmental agencies
- Non-government organizations
- National Guard
- OEM genset companies
- Bulletin number 7851





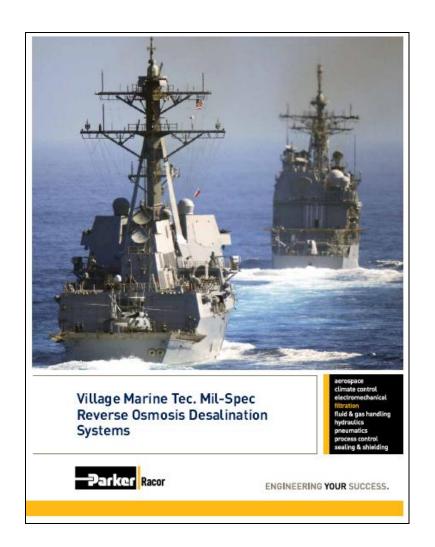


Militaries, military capable shipyards, government procurement offices, military supply companies – buyers, crew, and end users



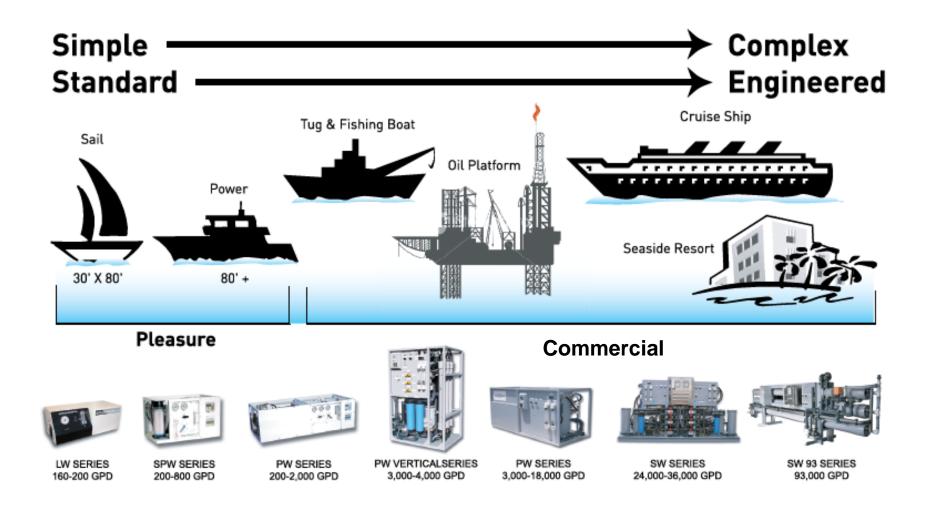
Militaries, Military Capable Shipyards,

- Government procurement offices
- Military supply companies
- Buyers
- Crew and end users
- Bulletin number 7845





Market Coverage with Breath of Product







Small yachts (defined as 35 to 80 feet)

Large yachts (defined as above 80 feet)



Work boats

Ocean-going fishing boats

Cruise ships



Small oceanside hotels and resorts

Off-shore oil platforms



Emergency response

Energy production

United States Coast Guard



United States Navy

Foreign Navies

Market Segments



Problem/Challenge



The Problem

The world is not necessarily running out of water, it's just not always available where and when it's needed...

97% of the global water supply is salt water 3% is available as fresh water:

77% of the available fresh water is frozen 23% is below ground or impure surface water

Over 3 billion people live in or near water stressed areas

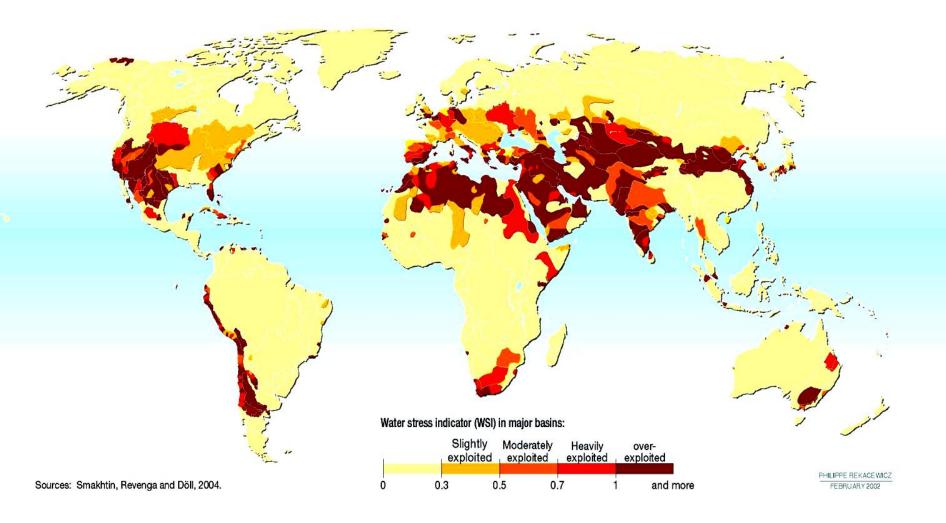






Source: Frost & Sullivan

Available Fresh Water is a Global Concern





The Problem!

Importance of purified water offshore

- The marine environment is even more hostile and unforgiving.
- Running out of fresh water offshore is not an option!
- The health and safety of pleasure, commercial, cruise, platform, global relief organizations, and military marine markets, all depend on the ability to provide a safe and plentiful source of fresh potable water.



Desalination Technologies – An Overview

Labor, Maintenance, and Environment Sensitive

Multi-stage Flash

MSF



Type of Water:

Seawater

Recovery Rate:

25 - 30%

Capital Cost

\$ 3.5 – 4.5 per installed gallon per day

Desalinated Water Cost

\$ 0.7 - 1.0 per m3

Multi-Effect Distillation

MED



Type of Water:

Seawater

Recovery Rate:

25 - 30%

Capital Cost

\$ 5 - 6 per installed gallon per day

Desalinated Water Cost

\$ 0.8 - 1.5 per m3

Compact and Efficient

Reverse Osmosis

RO



Type of Water:

Seawater

Recovery Rate:

25 - 30%

Capital Cost

\$ 3.5 – 4.5 per installed gallon per day

Desalinated Water Cost

\$ 0.7 - 1.0 per m3





The Solution!





Fresh water for every vessel.



The Leader in MIL-SPEC Reverse Osmosis Desalination Systems











Design Engineering Standards

- ML-STD-901 (Shock)
 ML-STD-167 (Vibration)
 ML-STD-461 (EM)

Quality Assurance:

- ML-148208A
- T9074-AS-GIB-010/271
- Dye Photrant
 Magnetic Particle
- Uttrasonic



5P100 Pump Side View



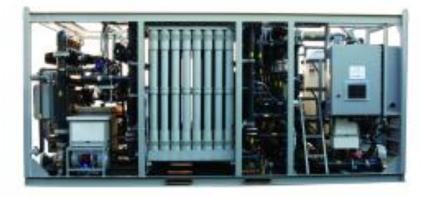








EUWP - Gan II



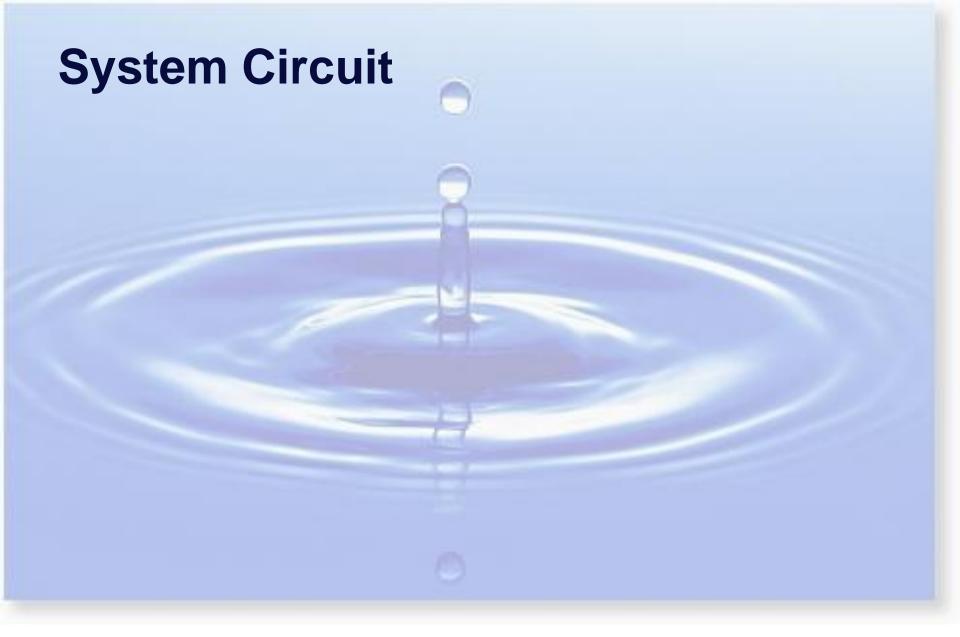




VMT Reverse Osmosis Watermaker









System Circuit

