

Dry Tortugas, Florida PW Series Installations

Market Application Publication



PW Series Watermakers

Fort Jefferson is located on the island of Garden Key. Garden Key is one of seven tiny islands located in the Dry Tortugas, Florida.

There are no natural sources of freshwater on the island. The islanders have purchased three of the Racor Village Marine Tec., Pure Water Series units. PW2000, PW1200 and PW600 watermakers. Several located on islands in the Dry Tortugas chain. The water source is the sea. Salt water is converted to potable drinking water for the benefit of many who enjoy the island lifestyle.



Village Marine PW-400-2000

Contact Information:

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Filtration Group
Racor Division - Village Marine Tec.
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www.parker.com/racor

Features and Benefits:

- **Easy access sediment prefilter.**
- **Maintenance-free air/oil separator allows operation while underway.**
- **3 plunger titanium pump for low vibration noise unsurpassed corrosion resistance.**
- **Magnetic drive low pressure pump provides up to 10 psi of boost pressure to filtration system.**
- **316 stainless steel, glycerin filled pressure gauges.**
- **Freshwater flush system included.**



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**Why was Racor
Village Marine Tec.
chosen as the solution:**

The ability to manufacture fresh water from sea water was the main concern for the islanders. The Parker Racor reverse osmosis water maker system was chosen due to the quality, performance, overall cost, and the service support offered.

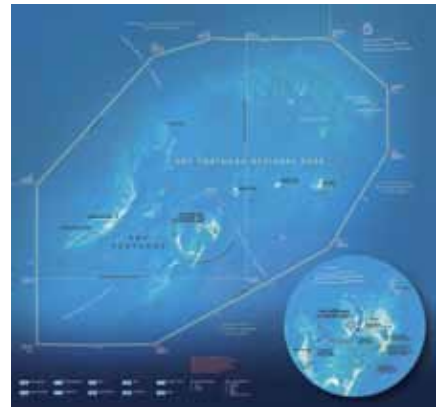
The PW Series, commercial duty units are a smart choice for land based applications. These units have exclusive titanium pumps for longer life.

The PW Series offer continuous duty 24/7 operation. The potable water produced at this application is estimated to be over 2 million gallons to date.

For over 30 years, Village Marine Tec. has developed innovative water desalination and purification plants for some of the



most challenging environments – the middle of the ocean, 800 feet below the sea, offshore oilrigs, deserts, disaster areas, and islands. Racor Village Marine reputation for high quality. The islanders purchased the first one in 1995. Since then they have purchased four more units.



Map of the Dry Trtugas

Model	Capacity GPH-m³/D	Power HP	Dimensions W x D x H inch (mm)	Weight lbs./kg
PW400	17 - 1.5	1.5	27(69)x24(61)x16(41)	225/102
PW600	25 - 2.3	2	54(137)x24(71)x16(41)	350/159
PW800	34 - 3.0	3	54(137)x24(71)x16(41)	350/159
PW1200	50 - 4.5	3	54(137)x24(71)x16(41)	400/182
PW1600	67 - 6.0	5	54(137)x24(71)x16(41)	425/193
PW2000	84 - 7.6	5	54(137)x24(71)x16(41)	450/205