

# Seaside Resort

## Petit St. Vincent, Grenadines

### Pure Water Series Watermaker

Market Application Publication



## PW Series Watermakers

Petit St. Vincent (better known locally as PSV) lies 40 miles south of St. Vincent in the Grenadines; a group of islands sprinkled across what may be the most beautiful stretch of water in the Caribbean. Part of the Windward Island chain, the Grenadines drift southwesterly from St. Vincent, the largest of more than 30 islands that make up the nation of St. Vincent and the Grenadines.

PSV is a paradise of softly rolling hills spread over 113 acres surrounded by two miles of white sand beaches, PSV has been tamed just enough to allow for the presence of 22 discreet and simple, yet luxurious cottages. A Racor watermaker is on site producing potable water for the resort guests.



## Contact Information:

Parker Hannifin Corporation  
Filtration Group  
**Racor Division - Village Marine Tec.**  
2000 West 135th Street  
Gardena, CA 90249

phone 310 516 9911  
fax 310 538 3048

[www.villagemarine.com](http://www.villagemarine.com)  
[www.parker.com/racor](http://www.parker.com/racor)



## Features and Benefits:

- Produces fresh water for resort guests.
- Reduced cost, no need to import water .
- Easy access sediment prefilter.
- Adjustable 316 stainless steel pressure regulating valve for use in fresh, brackish or seawater. Provides constant pressure which no other unit on the market provides. No need to worry about fluctuating pressure.
- Easy to operate 316 stainless steel high pressure bypass valve controls the operating mode from cleaning/ rinse to reverse osmosis. Allows high pressure bypass for start up and low pressure flushing without readjustment of regulating valve.
- 316 stainless steel pre-filtration housings deliver 200 sq. ft. of filtering area offering.
- 316 stainless steel, glycerin filled pressure gauges.
- Freshwater flush system included.

ENGINEERING YOUR SUCCESS.

**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.

The unit was upgraded to a custom 10000 GPD unit in January 2000.



Watermaker end view



Pre-filtration system



Watermaker top view

Model	Part Number	Capacity	Power	Dimensions	Weight
		GPH-m <sup>3</sup> /D	HP	W x D x H inch (mm)	lbs./kg
PW3000	90-8236	125 - 11	12	84(2134)x34(864)x35(889)	800/364
PW4000	90-8262	167 - 15	12	84(2134)x34(864)x35(889)	900/409
PW5000	90-8599	208 - 19	17	84(2134)x34(864)x35(889)	1000/455
PW6000	90-8657	250 - 23	17	84(2134)x44(1117)x35(889)	1050/477
PW7000	90-8245	292 - 27	17	84(2134)x48(1219)x35(889)	1500/682
PW8000	90-8203	333 - 30	22	84(2134)x48(1219)x35(889)	1600/727
PW10000	90-8073	417 - 38	22	84(2134)x48(1219)x35(889)	1800/818
PW12000	90-8284	500 - 45	27	88(2235)x52(1321)x35(889)	1900/864
PW16000	90-8193	667 - 61	27	88(2235)x52(1321)x43(1092)	2200/1000
PW20000	90-8542	833 - 75	32	88(2235)x52(1321)x43(1092)	2250/1022