

Seaside Resort Norwegian Cruise Line and Pure Water Series Watermakers

Market Application Publication



Application

Great Stirrup Cay is part of the Berry Islands chain of the Bahamas with limited potable water. Formed by tectonic and glacial shifting, the rock throughout the island was once living coral under the sea. A close look displays fossilized shells as the foundation of the island. This rock is very porous and it is the reason why there are only brackish water sources. When Norwegian Cruise Line purchased the island in 1977 they dreamed of a secluded island getaway for their customers. Due to the quality experience expected from Norwegian Cruise Line, a reliable source for fresh water was a necessity.

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Problem

Without an abundance of potable water available on the island and countless guests and employees at the resort each year, Norwegian Cruise Line needed a solution to meet the high daily demand for fresh water.

Solution

Norwegian Cruise Line turned to Parker Racor Village Marine (VMT) for a solution. The VMT engineers determined that initially Norwegian Cruise Line would need seven thousand gallons per day for employees and guests. As time went on, the demand for fresh water increased to an additional seven thousand gallons per day. Norwegian Cruise Line chose two

Pure Water (PW) 7,000 gallon per day watermakers for their unmatched quality and ability to run 24/7. Two PW-7000's continue to provide fresh potable water everyday. PW Series watermakers come in a wide range of sizes from 3,000 to 20,000 gallons per day. VMT has a size to fit any island's needs. Features include an exclusive titanium pump head, optional fiberglass reinforced PVC filter housings, 316 stainless pressure regulator and powder coated aluminum frame offer a lifetime of reliable operation. With numerous awards and accomplishments, Norwegian Cruise Line sets a high standard. Parker Racor Village Marine meets and exceeds that standard.



ENGINEERING YOUR SUCCESS.

PW Series Watermakers

Standard Features:

- Stainless steel 316 pre-filtration housings deliver 200 sq. ft. of filtering area
- Stainless steel, glycerin filled pressure gauges accurately read pressure at filters, pump and product
- Stainless steel 316 high pressure valve allows bypass for start-up and low pressure flushing without readjustment of regulating valve
- Automatic valve diverts water to discharge if water quality drops below acceptable standards
- Digital water quality monitor displays ppm of total dissolved solids of product water output. Also displays temperature and total hours for accurate service logs
- Freshwater flush system extends life of membranes without use of preservatives
- Optional multi-media filter for operations in turbid seas
- Optional explosion proof rating

Model	Part Number	Power Volts/Ph/Hz/Amps	Capacity GPH-m ³ /LPH	Dimensions WxDxH inch/cm	Weight lbs/kg
PW-3000	90-8654	220/1/60/53	125/11	84/213x34/86x35/89	800/364
	90-8206	380/3/50/17			
	90-8236	440/3/60/17			
PWM-3000	90-8653	440/3/60/17		MODULAR	
PW-4000	90-8262	220/1/60/53	167/15	84/213X34/86X35/89	900/409
	90-8243	380/3/50/17			
	90-8240	440/3/60/17			
PWM-4000	90-8655	440/3/60/17		MODULAR	
PW-5000	90-8656	380/3/50/24	208/20	84/213X34/86X35/89	1000/455
	90-8599	440/3/60/22			
PWM-5000	90-8257	440/3/60/22		MODULAR	
PW-6000	90-8070	380/3/50/24	250/25	84/213X44/111X35/89	1050/477
	90-8657	440/3/60/22			
PWM-6000	90-8261	440/3/60/22		MODULAR	
PW-7000	90-8659	380/3/50/24	292/27	84/213X48/121X35/89	1500/682
	90-8245	440/3/60/22			
PWM-7000	90-8658	440/3/60/22		MODULAR	
PW-8000	90-8214	380/3/50/28	333/30	84/213X48/121X35/89	1600/727
	90-8203	440/3/60/27			
PWM-8000	90-8660	440/3/60/27		MODULAR	
PW-10000	90-8051	380/3/50/28	417/40	84/213X48/121X35/89	1800/818
	90-8073	440/3/60/27			
PWM-10000	90-8661	440/3/60/27		MODULAR	
PW-12000	90-8258	380/3/50/37	500/45	88/223X52/132X35/89	1900/864
	90-8284	440/3/60/33			
PWM-12000	90-8662	440/3/60/33		MODULAR	
PW-16000	90-8075	380/3/50/37	667/61	88/223X52/132X43/109	2200/1000
	90-8193	440/3/60/33			
PWM-16000	90-8126	440/3/60/33		MODULAR	
PW-20000	90-8232	380/3/50/43	833/75	88/223X52/132X43/109	2250/1022
	90-8542	440/3/60/39			
PWM-20000	90-8663	440/3/60/39		MODULAR	

Spares and Consumable Parts

Part No.	Description	Part No.	Description
33-5100	Filter Element - 5 micron	70-3075	Pump FE Kit, PW-8000 & up
33-2100	Filter Element, 20 micron	70-0624	Pump CC Kit, up to PW-7000
32-0007	Filter Housing O-Ring	70-3078	Pump CC Kit, PW-8000 & up
33-0315	Carbon Filter - up to PW-7000	90-2323	Membrane O-Ring Kit, Up to PW-6000
33-0083	Carbon Filter - PW-8000 & up	32-1016	Membrane O-Ring Kit, PW-7000 & up
70-1448	Drive Belt - up to PW-7000	20-4100	Salinity Probe
70-1440	Drive Belt PW-8000 & up	85-0045	Membrane Cleaner #1, 25 lbs
85-0050	Pump Oil, Quart	85-0048	Membrane Cleaner #2, 25 lbs
70-0623	Pump FE Kit, up to PW-7000	85-0049	Membrane Preservative, 25 lbs

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.

