

Seaside Resort

With lots of sand and sea but no drinking water, developer turns to No Frills Series Watermakers

Market Application Publication



Application



When developer George Godfrey saw Stocking Island in 2004, a hidden jewel of the Bahamas situated just off Great Exuma, he knew it was a perfect spot for a seaside resort. The five-mile white sand beach and a variety of potential water activities including snorkeling, sailing, kayaking and exploring underwater caves would surely satisfy the many guests he was confident his resort would attract.

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Today, St. Francis is a first-class complex of villas overlooking the Atlantic Ocean with spectacular views, some of the best cuisine on the island, convenient docking facilities, fishing, shelling and nature trails.

Problem

While George was confident that this was “the spot,” he also knew that collecting rain water from the roofs in a cistern (the way it was done in 2004) would clearly not satisfy the drinking, bathing, laundry and sanitary needs of his vacationers. And he also knew that there was no other natural source of fresh water on the island. In fact, when he purchased the property, there was not even a source of electrical power.

Solution

George had used mobile Racor Village Marine Tec. reverse osmosis (R.O.) watermakers on boats with much success, and



Racor VMT ▲
No Frills Series

was sure they would do the job at St. Francis. He consulted with the Racor VMT Ft. Lauderdale office and they advised him to install a Racor VMT No Frills Series watermaker with media filters and a fresh-water flush that included a cleaning system. In fact, he budgeted for two units so that he would have the redundancy a guest facility demands.

Racor VMT also helped St. Francis with the initial start-up of the equipment, providing necessary photos and wiring diagrams to accommodate the electrical system George had installed. The Racor VMT sales specialist also discovered some power fluctuations in the newly installed electrical generator power supply. Since then, the No Frills watermaker system has been working fine. In fact, after many years, it has been producing quality fresh water on a daily basis and George states that he regularly receives comments from his guests on the quality of the water (as well as the sand and the sea).

ENGINEERING YOUR SUCCESS.

Racor No Frills Series R.O. Watermakers

Simple installation and operation, dependable performance

- **Superior Performance**

No Frills Series reverse osmosis watermakers are designed for 24/7 continuous-duty operation.

- **Modular Components**
Modular components and powder-coated mounting brackets for versatile installation configuration.

- **Titanium Construction**
Titanium pump and other corrosion-resistant materials throughout.

- **Lift Pump**
Magnetic drive lift pump.

- **AquaPro® Membranes**
AquaPro® thin film composite reverse osmosis membranes deliver high salt rejection while maintaining high production rates to obtain the energy efficiency demanded by plant operators.

Model	Part Number	Electrical Supply Volts/Ph/Hz/Amps	Capacity GPH/LPH	Power HP/kW	Weight lbs./kg
NF-450	90-8019 90-8044 90-8045	110/1/60/13 220/1/60/8 230/1/50/8	19/72	1.5/1.1	92/42
NF-600	90-8022 90-8060 90-8216	110/1/60/13 220/1/60/8 230/1/50/8	25/95	1.5/1.1	100/45
NF-800	90-8023 90-8064 90-8065	110/1/60/13 220/1/60/8 230/1/50/8	33/125	1.5/1.1	133/60
NF-1200	90-8049 90-8048 90-8567 90-8032	220/1/60/17 230/1/50/15 440/3/60/5 380/3/50/5	50/190	3.0/2.2	174/79
NF-1600	90-8034 90-8218 90-8043 90-8532	220/1/60/18 230/1/50/25 440/3/60/8 380/3/50/8	67/253	5.0/3.7	230/105
NF-2000	90-8061 90-8050 90-8083 90-8069	220/1/60/18 230/1/50/25 440/3/60/8 380/3/50/8	83/314	5.0/3.7	240/110

Spare Parts

Part No.	Description	Part No.	Description
85-0050	Pump Oil	33-0440	Membrane Element (model 2000)
33-0117	5 Micron Filter (up to model 800)	90-0005	Filter Housing O-Ring (up to model 800)
33-0052	5 Micron Filter (model 1200 and up)	33-0271	Filter Housing O-Ring (model 1200 and up)
33-0053	20 Micron Filter (model 1200 and up)	90-2512	Membrane O-Ring Kit (up to model 1600)
33-0311	Carbon Flush Filter (up to model 800)	90-2323	Membrane O-Ring Kit (model 2000)
33-0315	Carbon Flush Filter (model 1200 and up)	70-6182	HP Pump Service Kit (up to model 800)
33-2519	Membrane Element (model 600)	70-6184	HP Pump Service Kit (model 1200 and up)
33-0238	Membrane Element (models 450, 800, 1200, 1600)		

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.