

# Why Choose Racor VMT Watermakers

Technical Application Publication



### Racor VMT Genuine Components

**Aqua Pro, magnetic drive, low pressure pumps**

**Corrosion resistant, powder coated, aluminum frame**

**316 stainless steel high pressure regulator – eliminates risk of over pressurization**

**Aqua Pro, Titanium head, corrosion resistant high pressure pumps.**

**High pressure bypass valves, 316 stainless steel**

**Air/Oil separator No Filters to Replace**

**Custom made seawater membranes**

**316 stainless steel vibration isolation mounts**

**Industrial strength reinforced high pressure hose with Titanium wetted fittings**

**STW Series Watermaker**

**Touchscreen panel**

**Fiberglass pressure vessels**

**Corrosion resistant, machined nylon end caps and manifolds**

**Aqua Pro, industrial grade, pleated pre-filtration**

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## Features and Benefits:

- Titanium high pressure pump, highly resistant to salt water corrosion.
- High pressure regulator made from 316 stainless steel. Air/Oil separator has no cartridges to replace and no maintenance required.
- Pressure vessels are spiral wound fiberglass with no metallic parts in contact with sea water.
- Membranes are manufactured for superior salt rejection and maximum production.

See back page for comparison chart



ENGINEERING YOUR SUCCESS.

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Racor VMT	Competition
Manufactures over 95% of all components in house for unsurpassed quality control.	Buys many components from other manufacturers
Titanium high pressure pump, highly resistant to salt water corrosion.	Nickel bronze aluminum high pressure pump head. Can pit and fail with salt water use.
High pressure regulator made from 316 stainless steel. No adjustment needed.	Needle valve must be adjusted every time the unit is started which can potentially result in over pressurization and possible damage to the system. <u>Requires</u> high pressure switch that fail due to limited use.
Membrane housings are spiral wound fiberglass with no metallic parts in contact with sea water.	Powder coated metallic pressure vessels in direct contact with high pressure salt water. The powder coating will eventually bubble and corrosion will rapidly cause pressure vessel failure.
Air/Oil separator has no cartridges to replace and no maintenance required.	Air/Oil filter cartridges are costly to replace and can be a breeding ground for bacteria.
Membranes are manufactured by Parker for superior salt rejection and maximum production.	Membranes are out-sourced from various suppliers.
Hoses and clamps are industry standard. Simple to repair and available worldwide.	Used requires special nuts, seals, retaining rings, and ferrules. Once leak start, replacement is required.
Integrated membrane cleaning/pickling system for simple maintenance of membranes. No hoses to remove.	Cleaning the membranes usually requires dismantling of the watermaker and mixing chemicals in a bucket.
Systems are quoted with everything you need for the system to operate properly.	Priced leaving out essential equipment needed for operation. Usually an added option or cost.
30 + years of watermaking experience.	As little as 4 years tinkering with watermakers.
Authorized distributors and dealers with experience.	Limited distribution and service support.
	Training options are limited.

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.