

Custom Yacht Builder

American Custom Yachts Selected Racor Village Marine Watermakers

Market Application Publication



Introduction

American Custom Yachts (ACY) has been leading the way in the legendary yacht building tradition that began in Stuart, Florida over 60 years ago. ACY blends old-fashioned craftsmanship developed by the famous Stuart boat builders with revolutionary new technologies to produce custom sportfisherman unsurpassed in strength, speed and comfort. Every ACY sportfisherman is meticulously crafted by hand by experienced craftsmen, combining unique cold-molded wooden boat building method with ultra light space age materials. The result is a one-

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of-a-kind high performance showpiece that flies on the water.

Problem

With the tremendous speed, range, and open water capability of these spectacular sport fishing boats, you could find yourself far away from reliable fresh water sources. Like the "Chach" in St. Thomas, or the "Patriot" in Papeete, Tahiti and other distant ports of call like Moorea and Bora Bora.

Solution

That's why ACY's fleet of company vessels utilize Parker Racor - Village Marine Tec. (VMT) watermakers for unsurpassed quality and reliability. From the Squirt Modular 800 gallon per day watermaker on the "Chach" to the 600 gallon per day Squirt framed unit on "Patriot", Village Marine has a watermaker to fit every size and style vessel.

VMT has been providing ACY with the finest products for 20+ years, and was ACY's choice when watermakers were needed for their new 90 foot vessel. The boat was spec'ed for Racor

Village Marine Tec. watermakers. The two Pure Water (PW) series watermakers will create up to 2,800 gallons of fresh water per day for the new 90 foot sportfish boat, ensuring that at the end of that long day of catching 700 lb. blue marlin there will be plenty of fresh water available for cleaning the boat and for guests and even the crew to take showers. The PW series watermaker by VMT is one of the most robust watermakers commercially available. It's designed to provide installation flexibility, superior performance, and extended service life in the most rugged conditions. Designed for 24/7 continuous duty applications, where reliable fresh water supply is critical.

American Custom Yachts and Racor - Village Marine Tec. will help you spend more time on the water.



PW Series
Watermaker

ENGINEERING YOUR SUCCESS.

American Custom Yachts Selected Racor Village Marine Watermakers

PW Series - Standard Features:

- Monel mesh strainer and dual sediment prefilters.
- Maintenance-free air/oil separator allows operation while underway.
- Low RPM five plunger titanium

- pump for minimum vibration and noise with unsurpassed corrosion resistance.
- Magnetic drive low pressure pump provides up to 10 psi of boost pressure to the filtration system. No mechanical seal to reduce maintenance requirement.
- Stainless steel, glycerin filled pressure gauges.
- Freshwater flush system included. Optional automation of the flush

system is available.

- Adjustable 316 stainless steel pressure regulating valve allows use in fresh, brackish or seawater.
- Easy to operate 316 stainless steel high pressure bypass valve controls the operating mode and allows high pressure bypass for start-up and low pressure flushing without readjustment of regulating valve.

Model	Part Number	Power Volts / phase / Hertz / Amps	Capacity GPH-m ³ / D	Dimensions W x D x H inch (cm)	Weight lbs. / kg
PW-400	90-8633	110 / 1 / 60 / 13	17-1.5	27 (69) x 24 (61) x 16 (41)	225/102
	90-8217	220 / 1 / 60 / 8			
	90-8513	220 / 3 / 60 / 6			
	90-8036	230 / 1 / 50 / 8			
	90-8238	380 / 3 / 50 / 3			
PW-600	90-8037	440 / 3 / 60 / 3	25-2.3	54 (137) x 24 (71) x 16 (41)	350/159
	90-8125	110 / 1 / 60 / 21			
	90-8006	220 / 1 / 60 / 11			
	90-8223	220 / 3 / 60 / 7			
	90-8636	230 / 1 / 50 / 11			
PW-800	90-8635	380 / 3 / 50 / 4	34-3.0	54 (137) x 24 (71) x 16 (41)	350-159
	90-8634	440 / 3 / 60 / 4			
	90-8028	220 / 1 / 60 / 17			
	90-8637	220 / 3 / 60 / 11			
	90-8047	230 / 1 / 50 / 15			
PW-1200	90-8638	380 / 3 / 50 / 6	50-4.5	54 (137) x 24 (71) x 16 (41)	400-182
	90-8292	440 / 3 / 60 / 6			
	90-8038	220 / 1 / 60 / 17			
	90-8210	220 / 3 / 60 / 11			
	90-8606	230 / 1 / 50 / 15			
PW-1600	90-8212	380 / 3 / 50 / 6	67-6.0	54 (137) x 28 (81) x 16 (41)	425/193
	90-8040	440 / 3 / 60 / 6			
	90-8600	220 / 1 / 60 / 19			
	90-8603	220 / 3 / 60 / 16			
	90-8601	230 / 1 / 50 / 25			
PW-2000	90-8017	380 / 3 / 50 / 8	84-7.6	54 (137) x 28 (81) x 16 (41)	450/205
	90-8604	440 / 3 / 60 / 8			
	90-8554	220 / 1 / 60 / 19			
	90-8039	220 / 3 / 60 / 16			
	90-8597	230 / 1 / 50 / 25			
	90-8598	380 / 3 / 50 / 8			
	90-8011	440 / 3 / 60 / 8			

Spares and Consumables

Part No.	Description	Part No.	Description
85-0050	Pump Oil	33-0271	O-Ring, Flush Housing (models 800+)
33-0005	Prefilter Element, 5 micron	33-2519	Membrane (model 400)
33-0020	Prefilter Element, 20 micron (models 800+)	33-0238	Membrane (models 600+)
33-0311	Flush Filter (models 400, 600)	90-2512	O-Ring Kit, Membrane Housing
33-0315	Flush Filter (models 800+)	90-0562	Clean and Preservation Kit
30-0040	Strainer Element	70-6184	HP Pump Service Kit
30-0405	O-Ring, Prefilter Housing	20-4096	Salinity Probe
90-0005	O-Ring, Flush Housing (models 400, 600)	20-0005/20-2001/20-0243	Fuses (1 of each)

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.

