

Pure Water Vertical Commercial Series

3000-4000 GPD
(11.3-15.1 m³/day)



The PW Vertical Series RO desalination systems are designed for installation where minimum footprint space is available and potable water is required on a reliable basis. Typical installations are Ocean Tugs, Expedition/ Research vessels, Commercial Fishboats, Oceanfront property or large yachts.

Each PW unit comprises of a single skid installation with a complete RO system including a media prefilter, allowing full service access from the front for efficient use of space.



Village Marine PWV 3000-4000 GPD

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Aqua Pro[®] 3 Plunger
Titanium Head Pump

Key Feature:

At the core of each PW Vertical Watermaker is the Aqua Pro[®] 3 plunger high pressure pump:

- Titanium head for maximum corrosion resistance
- Belt driven for lowest noise and vibration

ENGINEERING YOUR SUCCESS.

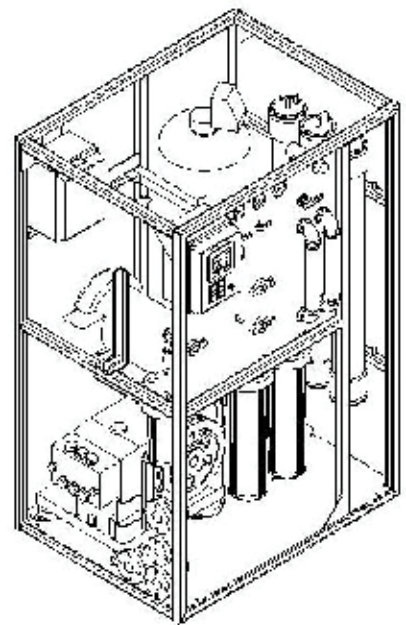
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Standard Features:

- Sea Strainer prevents large particles from entering into the system
- Media filter with simple backflush and rinse controls allows operation in turbid conditions
- Cartridge pre-filtration delivers 70 sq. ft. of filtering area
- Ceramic Plunger Titanium Pump, belt driven for low vibration and noise with unsurpassed corrosion resistance
- Ni-Al-Br low pressure pump drives seawater through the pre-filtration system
- Stainless Steel, Glycerine Filled Pressure Gauges
- accurately display pressure at filters, pump and product
- All 316 SS High Pressure Piping, with titanium fittings where appropriate
- Easy to operate 316 SS High Pressure Bypass Valve allows high pressure bypass for start-up and low pressure flushing without readjustment of regulating valve
- Adjustable 316 SS Pressure Regulating Valve for use in fresh, brackish or seawater. No need to worry about fluctuating pressure or needle valve adjustment
- Brine Water Flowmeter measures brine flow output in gallons per minute for simple diagnostic checks of system efficiency
- Product Flowmeter to easily monitor gallons/hour of water being produced
- Automatic Diversion Valve diverts water to discharge if water quality drops below

- acceptable standards
- Digital Water Quality Monitor displays ppm TDS of product water output. Also displays temperature and total hours for accurate service logs
- Cleaning Valve for easy cleaning or preservation of the system. Simply turn one valve. No hoses to connect or remove
- Freshwater flush system extends life of membranes without use of preservatives



Model	Product Flow* GPD m ³ /day	Power Hp/kW	Skid Size inch/cm	Operating Weight lbs/kg
PWW - 3000	3000 - 11.3	12/9	44/112 wide 33/84 deep 66/168 high	980/445
PWW - 4000	4000 - 15.1	12/9		1025/466

*Product Flow based on median seawater conditions

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.