

Offshore PW-XP Series

Explosion Proof Desalinators
3000-20000 GPD
(11-75 m³/day)



For Offshore Marine Applications

The PW-XP reverse osmosis desalination systems are based on the very popular PW series. They are the preferred choice of fresh water generating equipment for the most discriminating marine operators (such as major oil companies, the US Navy, the US Coast Guard and the Cousteau Society).

The PW series represents years of refinement to packaged RO system design, and provides a better value over custom designed systems.

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Explosion proof configuration available:

- NEC rating, class I, division I, group D
- IEC 60079-10 Electrical apparatus for explosive gas atmospheres Zone 2 hazardous area, gas group IIA, temp class T3



Aqua Pro[®] Pump-3P20

Key Feature:

At the core of each PW series watermaker is the Aqua Pro[®] 3 or 5 plunger high pressure pump:

- Titanium head for maximum corrosion resistance.
- Balanced drive for lowest noise and pulsation.
- Ceramic Plungers and nylon valves for long service life.



ENGINEERING YOUR SUCCESS.

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Standard Features:

- Stainless Steel 316 pre-filtration housings deliver 200 sq. ft. of filtering area. Optional FRP housings available
- Boost pump provides up to 50 psi of boost pressure to the filtration system
- Stainless steel, glycerin filled pressure gauges accurately read pressure at filters, pump and product
- Easy to operate 316 SS high pressure bypass valve controls the operating mode from cleaning/rinse to water production. Allows high pressure bypass for start-up and low pressure flushing without readjustment of regulating valve
- 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
- Simple to use freshwater flush system extends life of membranes without use of preservatives
- Optional multi-media filter for operations in turbid seas
- Acrylic flowmeters display flowrates of product and reject streams
- Optional remote emergency shutdown, and remote operating signals



- Explosion proof control box with E-stop and metallic cable glands; connected with armored cables

| Model | Capacity GPH-m ³ /D | Power HP / kW | Dimensions W x D x H inch (cm) | Weight lbs./kg |
|------------|-----------------------------------|------------------|-----------------------------------|-------------------|
| PW-3000XP | 125 - 11 | 12 / 9 | 84(213)x36(91)x35(89) | 800/364 |
| PW-4000XP | 167 - 15 | 12 / 9 | 84(213)x36(91)x35(89) | 900/409 |
| PW-5000XP | 208 - 19 | 17 / 13 | 84(213)x36(91)x35(89) | 1000/455 |
| PW-6000XP | 250 - 23 | 17 / 13 | 84(213)x48(122)x35(89) | 1050/477 |
| PW-7000XP | 292 - 27 | 17 / 13 | 84(213)x51(130)x35(89) | 1500/682 |
| PW-8000XP | 333 - 30 | 22 / 16 | 84(213)x51(130)x35(89) | 1600/727 |
| PW-10000XP | 417 - 38 | 22 / 16 | 84(213)x51(130)x35(89) | 1800/818 |
| PW-12000XP | 500 - 45 | 27 / 20 | 88(223)x55(140)x35(89) | 1900/864 |
| PW-16000XP | 667 - 61 | 27 / 20 | 88(223)x55(140)x43(109) | 2200/1000 |
| PW-20000XP | 833 - 75 | 32 / 24 | 88(223)x55(140)x43(109) | 2250/1022 |

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.