

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.



Explosion proof configuration available:

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

Contact Information:

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Sales & Customer Support:
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Technical Support:
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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.
- Five plunger design allows lower rpm, lower noise and less vibration.
- Ceramic plungers and nylon valves will not corrode.



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- Fiberglass pre-filtration housings deliver 200 sq. ft. of filtering area. Optional fiberglass reinforced plastic 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 stainless steel 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 of total dissolved solids 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 /day	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-Water Purification replacement parts.
We reserve the right to change our specifications or standards without notice.

WARNING: This product can expose you to chemicals including Di(2-ethylhexyl) phthalate (DEHP), which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

