

Halliburton Oil Service Vessel

Market Application Publication



The Problem

The new Halliburton Service Vessel will serve as a high performance platform for delivering technology and helping reduce rig downtime and associated costs for operators. Operators will have cost-effective access to all phases of production stimulation including acidizing, fracturing, sand control, and conformance solutions for this developing deepwater market. Potable water is undoubtedly one of the most essential resources for the crew on a service vessel. Captains, crew, and passengers need fresh, potable water for drinking, cooking, laundry, and bathing. The amount and quality of this resource must be compatible with the crew consumption needs and health-related requirements. For this purpose, potable water must satisfy very stringent quality requirements from chemical and bacteriological point of view. During long excursions, often months at a time, these vessels will support up to 100 crew members, service technicians, engineers, and other tactical equipment supervisors.



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The Solution - A Village Marine PW Series Watermaker

The PW18000 is designed to provide 18,000 gallons of fresh water for the crew each day. An average crew member uses 100 gallons of water per day, which equates up to 10,000 gallons of water used in a given day. Fortunately with the PW18000 this vessel will be able to provide that amount and allow for a storage tank of 8,000 gallons to be on reserve. Working on board a commercial vessel is hard enough and Haliburton offers its employees the luxury of unlimited water usage.

Typically used in 24/7, continuous-duty applications, the PW18000 is fully operational from an optional remote control. The PW Series comes with corrosion resistant, powder coated aluminum frame and mounting brackets. Using the Titan Series Titanium pump, will meet all the high pressure applications while resisting corrosion.



ENGINEERING YOUR SUCCESS.

Commercial Pure Water Series

3000-20000 GPD
(11-75 m³/day)

Standard Features:

- Stainless Steel 316 pre-filtration housings deliver 200 sq. ft. of filtering area
- 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

Model	Capacity GPH (m ³ /D)	Power HP	Dimensions W x D x H inch (mm)	Weight lbs (kg)
PW3000	125 (11)	12	84 (2134) x 34 (864) x 35 (889)	800 (364)
PW4000	167 (15)	12	84 (2134) x 34 (864) x 35 (889)	900 (409)
PW5000	208 (20)	17	84 (2134) x 34 (864) x 35 (889)	1000 (455)
PW6000	250 (25)	17	84 (2134) x 44 (1117) x 35 (889)	1050 (477)
PW7000	292 (27)	17	84 (2134) x 48 (1219) x 35 (889)	1500 (682)
PW8000	333 (30)	22	84 (2134) x 48 (1219) x 35 (889)	1600 (727)
PW10000	417 (40)	22	84 (2134) x 48 (1219) x 35 (889)	1800 (818)
PW12000	500 (45)	27	88 (2235) x 52 (1321) x 35 (889)	1900 (864)
PW16000	667 (61)	27	88 (2235) x 52 (1321) x 43 (1092)	2200 (1000)
PW20000	833 (75)	32	88 (2235) x 52 (1321) x 43 (1092)	2250 (1022)

