



# Membrane Water Purification

ENGINEERING YOUR SUCCESS.

## BWT Series - Two Pass Brackish Water RO Desalination



**OUTPUT:** Unit capacities from 10 gpm to 175 gpm (2-40m<sup>3</sup>/hr). Multiple skids/units can be combined in parallel for larger capacity systems and for reliability.

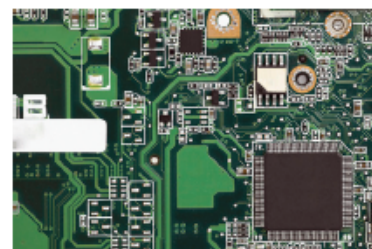
Parker BWT series desalination systems provide high purity permeate water from brackish source water. BWT systems are used for high purity rinse water, DI (media) replacement, power generation, medical electronics, and other various high purity water applications



Power Generation



Medical



Electronics



Manufacturing/Rinse Water

### Parker Features:

- Worldwide Parker Locations and Global Customer Support
- High Quality Equipment/Solutions Since 1918
- ISO Certified Quality
- 24/7 Availability - Reliability
- Global Footprint
- Environmentally Engineered Membrane Solutions
- Over 50,000 Parker Employees

# BWT Series - Two Pass Brackish Water RO Desalination

Two Pass BWRO Model	CAPACITY (perm.)		No. of MEM.	DIMENSIONS (approx.)		
	(GPM)	(M3/HR)		L (ft/m)	W (ft/m)	H (ft/m)
BWT-43	15	3.0	7	12.0/3.7	4.5/1.4	7.0/2.1
BWT-64	23	5.0	10	12.0/3.7	4.5/1.4	7.0/2.1
BWT-86	30	7.0	14	12.0/3.7	4.5/1.4	7.0/2.1
BWT-108	38	9.0	18	12.0/3.7	4.5/1.4	7.0/2.1
BWT-128	45	10.0	20	17.0/5.2	4.0/1.2	7.0/2.1
BWT-1612	60	14.0	28	17.0/5.2	4.0/1.2	7.0/2.1
BWT-2012	76	17.0	32	17.0/5.2	4.0/1.2	7.0/2.1
BWT-2416	91	21.0	40	17.0/5.2	4.0/1.2	7.0/2.1
BWT-3018	110	25.0	48	24.0/7.3	4.0/1.2	7.0/2.1
BWT-3618	132	30.0	54	24.0/7.3	4.0/1.2	7.0/2.1
BWT-4224	154	35.0	66	24.0/7.3	4.0/1.2	7.0/2.1
BWT-4824	176	40.0	72	24.0/7.3	4.0/1.2	7.0/2.1

**STANDARD FEATURES:** PLC automated, VFD RO pump, SS316 HP piping, 5 micron prefiltration, 8x40 BWRO membranes, single RO skid instrumentation for flow, pressure and conductivity.

- Systems designed based upon 75%/85% (P1/P2) recovery treating up to 3,000 mS/cm conductivity well water at 20-25C, pH 6.5-7.5, SDI <3, TOC < 2.5ppm at 35-65 psi feed pressure
- System capacity and recovery is a function of the source water type, temperature and water quality
- Maximum feed water conductivity, 10,000 mS/cm with derated system capacity
- 380-480 V/3PH/50-60 HZ primary electrical power

## Parker Hannifin Corporation

We manufacture highly engineered components and systems used around the world for various applications. Parker products are installed and operating in many industries such as Power generation, Aerospace, Oil and Gas, Beverage Production, Marine, Military, Agriculture, Construction, and other industrial applications.



Food



Water



Energy



Transportation



Defense



Environment



Infrastructure



Life Sciences

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