

Ultrapure Water Purification System Reverse Osmosis Solution helps Parker Medical Systems Division

Market Application Publication



Introduction

Parker Seal Group - Medical Systems Division (MSD) is a leading manufacturer of components and finished devices to the medical industry. A high volume of the medical polymer components molded in multiple locations are washed to ensure part cleanliness.

Problem

A specialized water system needed to be installed to ensure that the parts are washed with ultrapure water, prior to MSD manufacturing polymer components for the medical segment customers at their new plant in Baja Mexico.

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Solution

Parker Racor VMT installed a water purification system to meet the manufacturing process requirements for

purity. Located in the plant for ease of service. It was the lower total cost solution versus other proposed alternatives.



Standard Features:

- Stainless steel high pressure reverse osmosis pump (on all models above 3000 gallons per day)
- Delayed start-up of high pressure pump
- Automatic membrane flush
- Thin-film composite membranes with 316 stainless steel or fiberglass reinforced plastic membrane pressure vessels
- Panel mounted permeate & concentrate flowmeters
- Recycle flowmeter
- System and recycle control valves
- Storage tank float tree for auto start/stop
- Powder coated carbon steel frame
- Permeate quality display with high total dissolved solids alarm
- Low pressure shut-down with auto-restart
- Pre-treatment backwash/lockout

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BW Series Reverse Osmosis Watermaker



Higher output systems available on request.

Model	Part Number	Power Volts/Phase/Hz/Amps	Capacity GPD	m ³ / day	Dimensions Length	(In/cm) Depth	Approx. Height	Ship. Wt. (lb/kg)
BW-300	94-0301	110/1/60/7	300	1	20/51	24/61	55/140	230/104
	94-0320	230/1/50/5						
BW-600	94-0302	110/1/60/10	600	2	20/51	24/61	55/140	240/109
	94-0307	220/1/60/5						
BW-1200	94-0321	230/1/50/7	1,200	5	20/51	24/61	55/140	250/113
	94-0303	110/1/60/14						
	94-0308	220/1/60/7						
BW-1800	94-0322	230/1/50/10	1,800	7	20/51	24/61	55/140	275/125
	94-0309	220/1/60/8						
BW-3000	94-0323	230/1/50/17	3,000	12	20/51	24/61	55/140	300/136
	94-0000	220/1/60/16						
BW-5500	94-0324	230/1/50/17	5,500	21	20/51	32/82	55/140	325/147
	94-0310	220/1/60/17						
	94-0325	230/1/50/17						
BW-7000	94-0335	440/3/60/5	7,000	27	20/51	32/82	55/140	350/159
	94-0311	220/1/60/17						
	94-0326	230/1/50/17						
BW-8500	94-0336	440/3/60/5	8,500	32	20/51	32/82	55/140	375/170
	94-0312	220/1/60/17						
	94-0327	230/1/50/17						
BW-10000	94-0337	440/3/60/5	10,000	38	20/51	32/82	55/140	400/181
	94-0313	220/1/60/17						
	94-0328	230/1/50/17						
BW-11500	94-0338	440/3/60/5	11,500	44	20/51	40/102	55/140	441/200
	94-0314	220/1/60/17						
	94-0329	230/1/50/17						
BW-13000	94-0339	440/3/60/5	13,000	49	20/51	40/102	55/140	466/211
	94-0315	220/1/60/17						
	94-0330	230/1/50/17						
BW-14400	94-0340	440/3/60/5	14,400	55	20/51	40/102	55/140	491/223
	94-0316	220/1/60/17						
	94-0331	230/1/50/17						
BW-16000	94-0341	440/3/60/5	16,000	60	20/51	46/117	55/140	516/234
	94-0317	220/1/60/17						
	94-0332	230/1/50/17						
BW-17300	94-0342	440/3/60/5	17,300	66	20/51	46/117	55/140	541/245
	94-0318	220/1/60/17						
	94-0333	230/1/50/17						
BW-19000	94-0343	440/3/60/5	19,000	72	20/51	46/117	55/140	566/257
	94-0319	220/1/60/17						
	94-0334	230/1/50/17						

WARNING – USER RESPONSIBILITY

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