

# BLS 3000 to 9000 System Specifications

MODELS AVAILABLE: BLS 3000, BLS 6000, BLS 9000

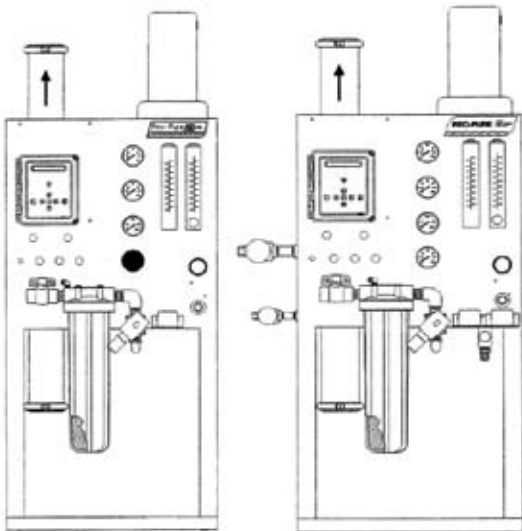
BLS Systems are engineered to economically produce high purity water while providing the flexibility to choose system features to meet your application specifications. Every system is manufactured using the highest quality components, for exceptional performance and reliable operation.

## BLS 3000 to 9000 R.O. Systems Standard Model Features:

Energy Saving, High Flow Membrane Element(s)  
Stainless Steel Membrane Pressure Vessel(s)  
High Pressure Booster Pump  
230V, 60Hz, 1 Ph Power  
Epoxy Coated Steel Frame  
Automatic Feed Water Shutoff Valve  
20" BB Sediment 5-Micron Pre-Filter  
Product & Reject Water Flow Meters  
Inlet & Outlet Pre-Filter Gauges  
Inlet Feed Water Manual Shut-Off Valve  
System Operating Liquid Pressure Gauge  
Manual Membrane Flush  
Low Inlet Pressure Protection Switch  
Storage Tank Float Control Connection  
Reject Water Recirculation Loop  
Pre-Treatment Lockout Connection  
Product Water Check Valve  
12 Month (One Year) Limited Warranty

## STANDARD ON ALL BLS 3,000+ GPD UNITS

Microprocessor Based System Controller With NEMA 4X industrial grade electrical enclosure, digital product water TDS monitor, digital product water temperature indicator, and system operating hours readout, programable time delays and set points, visual and audible alarm.



## BLS 3000 to 9000 GPD Optimum Model Features:

Standard Model Features Plus.  
Automatic Membrane Flush System  
Post Membrane Pressure Gauge

### Additional Options Available:

Stainless Steel Pump  
Stainless Steel Frame  
Product Water Pressure Switch  
Clean-In-Place (CIP) Port Connections  
High Rejection Membrane Elements  
Nanofiltration Membrane Elements  
50Hz Power Supply Operation-  
Single Phase 220V

# BLS 3000 to 9000 System Specifications

		BLS DESIGN SPECIFICATIONS		
		BLS-3000	BLS-6000	BLS-9000
Flow Capacity GPD*		3000 GPD	6000 GPD	9000 GPD
Flow Capacity GPM*		2.0 GPM	4.1 GPM	6.25 GPM
Typical Recovery		70%	70%	70%
Design Rejection Rate		95% -99%	95% -99%	95% -99%
Number of Membrane Vessels		(1) 4" x 40" S.S.	(2) 4" x 40" S.S.	(3) 4" x 40" S.S.
Number of Membrane Elements		(1) 4" x 40"	(2) 4" x 40"	(3) 4" x 40"
Typical Operating Pressure		165 PSI	165 PSI	165 PSI
Nominal Feed Water	Flow During Operation	3.0 GPM	6.0 GPM	9.0 GPM
	Flow During System Flush	10 GPM	13 GPM	16 GPM
Minimum Feed Water Pressure		35 P.S.I. @ 10 USGPM	35 P.S.I. @ 13 USGPM	35 P.S.I. @ 16 USGPM
Temperature Range		40-90°F (5-30°C)	40-90°F (5-30°C)	40-90°F (5-30°C)
Depth		21"	21"	21"
Width		25"	25"	25"
Height		60"	60"	60"
Weight		200 lbs.	250 lbs	300 lbs
Feed Water Inlet		3/4" NPTF	3/4" NPTF	3/4" NPTF
Reject Water To Drain		1/2" Tube	1/2" Tube	1/2" Tube
Product Water To Storage		3/4" Tube	3/4" Tube	3/4" Tube
<p>*System production may vary depending upon incoming water temperature &amp; chemistry. Based on feed water with 500 mg/L NaCl and temperature of 25°C. (77°F).</p>				