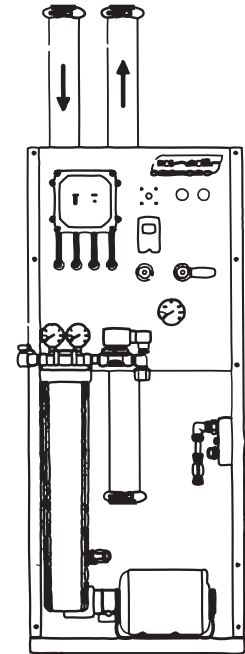


BLS 400 to 2400 System Specifications

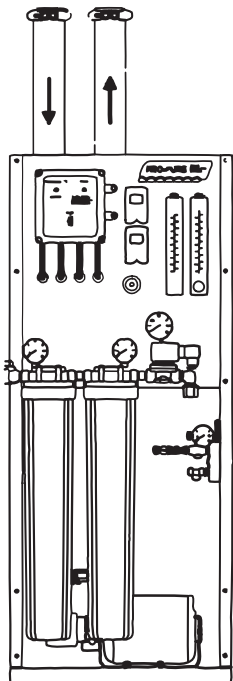
MODELS AVAILABLE: BLS-400, BLS-800, BLS-950, BLS-1900 & BLS-2400

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 400 to 2400 R.O. Systems Standard Model Features:
<ul style="list-style-type: none"> Energy Saving, High Flow Membrane Element(s) Stainless Steel Membrane Pressure Vessel(s) Compact Microprocessor Based Controller Brass Rotary Vane Pump 115V / 230V, 60Hz, 1 Ph Power Automatic Feed Water Shutoff Valve 20" Sediment 5-Micron Pre-Filter Inlet & Outlet Pre-Filter Gauges System Operating Liquid Pressure Gauge Manual Membrane Flush Low Inlet Pressure Protection Switch Manual Inlet Feed Water Shut-off Valve Storage Tank Float Control Connection Reject Water Recirculation Loop Product Water Check Valve Pre- Treatment Lock Out Connection Fixed Reject Water Control (50% Recovery) 12 Month (One Year) Limited Warranty



BLS 400 to 2400 GPD Optimum Model Features:
<ul style="list-style-type: none"> Standard Model Features Plus. .. Upgraded Microprocessor Based System Controller -NEMA 4X Industrial Grade Electrical Enclosure -Red/Green Water Quality Status LED -Operating Status Lights -Auto Restart After Alarm Shut Down Automatic Membrane Flush System Product and Reject Water Flow Meters
Additional Options Available: <ul style="list-style-type: none"> 20" Carbon 10-Micron Pre-Filter Product Water Pressure Switch & Relief Valve Product Water Pressure Gauge Stainless Steel Pump Stainless Steel Frame Single Phase, 50Hz Power Operation Domestic and Export Crating High Rejection Membrane Elements Nanofiltration Membrane Elements



WATER QUALITY
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BLS 400 to 2400 System Specifications

		BLS DESIGN SPECIFICATIONS				
		BLS-400	BLS-800	BLS-950	BLS-1900	BLS-2400
Flow Capacity GPD*		400 GPD	800 GPD	950 GPD	1900 GPD	2400 GPD
Flow Capacity GPM*		0.28 GPM	0.56 GPM	0.66 GPM	1.32 GPM	1.67 GPM
Typical Recovery		50%	50%	50%	50%	50%
Design Rejection Rate		95% -99%	95% -99%	95% -99%	95% -99%	95% -99%
Number of Membrane Vessels		(1) 2.5x21 SS	(2) 2.5x21 SS	(1) 2.5x40 SS	(2) 2.5x40 SS	(1) 4x40 SS
Number of Membrane Elements		(1) 2.5x21	(2) 2.5x21	(1) 2.5x40	(2) 2.5x40	(1) 4x40
Typical Operating Pressure		165 PSI	165 PSI	165 PSI	165 PSI	100 PSI
Nominal Feed Water	Flow During Operation	0.56 GPM	1.12 GPM	1.32 GPM	2.64 GPM	3.33 GPM
	Flow During System Flush	2.1 GPM	2.1 GPM	4.33 GPM	4.33 GPM	5.33 GPM
Depth		14"	14"	18"	18"	18"
Width		17"	17"	18"	18"	18"
Height		35"	35"	60"	60"	60"
Weight		80 Lbs.	90 Lbs.	100 Lbs.	110 Lbs.	110 Lbs.
Feed Water Inlet		3/8" NPTF	3/8" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
Reject Water To Drain		3/8" Tube	3/8" Tube	1/2" NPTF	1/2" NPTF	1/2" NPTF
Product Water To Storage		3/8" Tube	3/8" Tube	1/2" NPTF	1/2" NPTF	1/2" NPTF
<p>*System production may vary depending upon incoming water temperature & chemistry. Based on feed water with 500 mg/L NaCl and temperature of 25°C. (77°F).</p>						

BLS FEED WATER PARAMETERS	
Temperature Range	40-90°F (5-30°C)
Minimum Feed Water Pressure	35 PSI
Maximum Feed Water Pressure	85 PSI
Maximum Feed Water TDS	2,000 PPM
Maximum Chlorine Tolerance	0.1 PPM
Maximum Hardness	10 GPG
Maximum Iron	0.5 PPM (Dissolved)
Maximum Oil Tolerance	0.0 mg/l
Maximum Feed Water Silt Index	5
Maximum Feed Water Turbidity	1 NTU
Maximum Product Water Back Pressure	50 PSI
pH Range	3-10
Minimum Pre-Filtration	5 Micron
<p>NOTE! If the R.O. system is used with chlorinated water, a carbon filter is required. BLS Systems are designed for use on potable water sources only.</p>	

