

The Reo-Pure™ BLS Series 3000-9000 GPD models are engineered to economically deliver large volumes of RO water, while providing the flexibility to choose the advanced system features that best meet your needs. Every model is offered in a variety of packages.

### STANDARD FEATURES

- Sediment Pre-Filtration
- Pentek® 20" Big Blue Housing
- Low Feed Water Pressure Safety Switch
- Storage Tank Float Control Connection
- Pretreatment Lockout Connection
- On/Off Standby Switch
- Water Saving Recirculation Loop
- Pre and Post Filter Pressure, Liquid Gauges
- Operating Pressure, Liquid Gauge
- Feed Water Solenoid Valve
- Sta-Rite® High Pressure Booster Pump
- Product Water Check Valve
- John Guest® Safety Locking Clips
- 230V, 60HZ, 1PH Electrical
- Powder Coated Frame
- Factory Tested for Quality
- Assembled in the U.S.A.
- One Year Limited Warranty

### ECONOMY PACKAGE

- ▶ Minitrol RO Controller
- ▶ Fixed Rejection (50%)
- ▶ Manual Membrane Flush

### OPTIMUM PACKAGE

- ▶ S-150 RO Controller
- ▶ Adjustable Rejection Valve
- ▶ Automatic Membrane Flush
- ▶ In/Out Pre-Filter Gauges
- ▶ Product/Reject Flow Meters
- ▶ Digital TDS Display

### STANDARD PACKAGE

- ▶ S-150 RO Controller
- ▶ Adjustable Rejection Valve
- ▶ Manual Membrane Flush
- ▶ In/Out Pre-Filter Gauges
- ▶ Product/Reject Flow Meters
- ▶ Digital TDS Display

### OPTIONAL FEATURES

**Feed Water TDS Monitor:** Provides an additional TDS/conductivity input for a second sensor to monitor Product Water conditions.

**Expanded S-150 RO Controller:** Provides an additional 2 relays and 1 switch input. Ideal for controlling a re-pressurization pump, booster pump, or divert system. Can also be used for alarm outputs.

**Product Water Pressure Switch:** Makes RO system compatible with any pressurized storage tank.

**Stainless Steel Pump:** Offers optimal resistance to corrosion in higher than normal TDS applications.

**Alternative Voltage:** Available with 460V/60HZ/3PH, 120V/60HZ/1PH or 220V/50HZ/1PH configurations to meet install site requirements

*\* Additional options and upgrades available*



MODEL	CAPACITY (GPD/GPM)	MEMBRANE	DESIGN RECOVERY	NOMINAL TDS REJECTION	DIMENSIONS (L x D x H)
BLS-3000	3,000 / 2.08	4" x 40" (Qty:1)	70%	98-99%	25" x 21" x 65"
BLS-6000	6,000 / 4.16	4" x 40" (Qty:2)	70%	98-99%	25" x 21" x 65"
BLS-9000	9,000 / 6.25	4" x 40" (Qty:3)	70%	98-99%	25" x 21" x 65"

SYSTEM SPECIFICATIONS	BLS-3000	BLS-6000	BLS-9000
<b>DESIGN</b>			
System Capacity	3,000 GPD / 2.08 GPM	6,000 GPD / 4.16 GPM	9,000 GPD / 6.25 GPM
Configuration	Single Pass	Single Pass	Single Pass
Nominal Salt Rejection	98-99%	98-99%	98-99%
Recovery Rate	70%	70%	70%
Nominal Feed Water Flow, Operation	3.15 GPM	6.30 GPM	9.45 GPM
Nominal Feed Water Flow, Flush	10 GPM	13 GPM	16 GPM
<b>CONNECTIONS</b>			
Inlet	3/4" FNPT	3/4" FNPT	3/4" FNPT
Product & Drain	1/2" Tube	1/2" Tube	1/2" Tube
<b>MEMBRANES</b>			
Membrane Element	4" x 40" (Qty. 1)	4" x 40" (Qty. 2)	4" x 40" (Qty. 3)
<b>PRE-TREATMENT</b>			
Filter Housing	20" Big Blue (Qty. 1)	20" Big Blue (Qty. 1)	20" Big Blue (Qty. 1)
<b>PUMP &amp; MOTOR</b>			
Pump	HP Booster Pump	HP Booster Pump	HP Booster Pump
Motor HP @ 60 (50HZ)	3/4 (2)	1 (2)	1.5 (2)
<b>ELECTRICAL</b>			
Standard Voltage	230V, 60HZ, 1PH, 7.4A	230V, 60HZ, 1PH, 9.6A	230V, 60HZ, 1PH, 12A
Voltage Options	220V, 50HZ, 1PH, 19.4A 120V, 60HZ, 1PH, 14.8A 460V, 60HZ, 3PH, 1.8A	220V, 50HZ, 1PH, 10.5A 120V, 60HZ, 1PH, 19.2A 460V, 60HZ, 3PH, 2.35A	220V, 50HZ, 1PH, 10.5A 120V, 60HZ, 1PH, 24A 460V, 60HZ, 3PH, 3.4A
<b>SYSTEM DIMENSIONS</b>			
Approximate Weight	200 lbs.	250 lbs.	300 lbs.
System Dimensions (L x D x H)	25" x 21" x 65"	25" x 21" x 65"	25" x 21" x 65"

DESIGN CONDITIONS	
Operating Pressure	165 PSI
Maximum Operating Pressure	185 PSI
Feed Water Temperature	77°F (25°C)
Feed Water TDS	500 PPM as NaCl
Low Feed Water Pressure Switch	15 OFF / 20 ON
Product Water Pressure Switch	45 OFF / 25 ON (Optional)
Membrane Element	TFC Polyamide - High Flux
Rejection Rate	Minimum 98% - Maximum 99%
Typical Recovery	70%
Electrical	230V, 60HZ, 1PH (Other Options Available)

FEED WATER PARAMETERS <small>Designed For Use With Potable Water Sources Only</small>	
Temperature Range	40°F - 85°F (5°C - 30°C)
Inlet Feed Water Pressure	35 PSI - 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

*\*System production may vary depending on incoming water temperature and chemistry. System specifications are based on the design conditions. NOTE: If the R.O. system is used with chlorinated water, a carbon filter is required.*

**ALSO AVAILABLE**  
**WALL MOUNT**  
**MODELS**

