

Exceptional Performance and Flexibility for a Variety of Applications!

The **Reo-Pure™ BLS Series 400-2400 Models** are engineered to economically deliver RO water, while providing the flexibility to choose the system features that best meet your needs. Every model is offered in a variety of packages:

Economy Package - When simple is all you need. Economy models offer spectacular performance, with easy-to-operate features.

Standard Package - A step up from Economy; offering features with more flexibility and additional monitoring capabilities for greater control.

Optimum Package - Ideal for getting the most out of your RO System. Provides optimal features, monitoring and flexibility for the highest level of control.

Available in Capacities for 400 - 2,400 Gallons Per Day

System Package Features 400 - 2,400 GPD Models	ECO	STD	OPTI
Computer Controller			
Mini-Trol Computer Controller	✓	✓	
S-100 Computer Controller			✓
Features			
System Operating Pressure Gauge	✓	✓	✓
Inlet & Outlet Pre-Filter Pressure Gauge	✓	✓	✓
Automatic Feed Water Shut-Off Solenoid	✓	✓	✓
Low Feed Pressure Protection Switch	✓	✓	✓
Reject Water Recirculation Loop	✓	✓	✓
TDS Digital Display			✓
Storage Tank Float Control Connection	✓	✓	✓
Pre-Treatment Lock-Out Connection	✓	✓	✓
Product Water Flow Meter		✓	✓
Reject Water Flow Meter		✓	✓
Fixed Reject Water Control - 50%	✓		
Adjustable Reject Water Control Valve		✓	✓
Manual Membrane Flush	✓	✓	
Automatic Membrane Flush			✓

Options & Upgrades

- ❖ 220V/50HZ/1PH
- ❖ Carbon Pre-Filter Housing
- ❖ Stainless Steel Pump
- ❖ TDS Digital Monitor
- ❖ Product Pressure Switch & Relief Valve
- ❖ Export/Domestic Highly Secured Crating

Benefits

- ❖ Energy Saving, High Flow Membranes
- ❖ Fully Assembled, Plumbed & Wired
- ❖ Built-In System Monitoring Tools
- ❖ Low Operation & Maintenance Costs
- ❖ Small Footprint for Space Savings
- ❖ Fast & Easy Maintenance/Serviceing
- ❖ Factory Tested to High Standards
- ❖ 1-Year Limited Warranty
- ❖ Made in the U.S.A.



BLS 400 OPTIMUM

SYSTEM SPECIFICATIONS	BLS 400 ECO / STD / OPTI	BLS 800 ECO / STD / OPTI	BLS 950 ECO / STD / OPTI	BLS 1900 ECO / STD / OPTI	BLS 2400 STD / OPTI
Flow Rates					
Permeate Flow*	400 GPD (0.28 GPM)	800 GPD (0.56 GPM)	950 GPD (0.66 GPM)	1,900 GPD (1.32 GPM)	2,400 GPD (1.67 GPM)
Design					
Operating Pressure	165 PSI	165 PSI	165 PSI	165 PSI	100 PSI
Rejection Rate	95% - 99%	95% - 99%	95% - 99%	95% - 99%	95% - 99%
Typical Recovery	50%	50%	50%	50%	50%
Connections					
Inlet Connection	3/8" NPTF	3/8" NPTF	1/2" NPTF	1/2" NPTF	1/2" NPTF
Product Connection	3/8" TUBE	3/8" TUBE	1/2" TUBE	1/2" TUBE	1/2" TUBE
Reject Connection	3/8" TUBE	3/8" TUBE	1/2" TUBE	1/2" TUBE	1/2" TUBE
Membranes					
Membrane Element	2.5" x 21" (Qty. 1)	2.5" x 21" (Qty. 2)	2.5" x 40" (Qty. 1)	2.5" x 40" (Qty. 2)	4" x 40" (Qty. 1)
Pre-Treatment					
Filter Housing	20" Slim Line (Qty. 1)	20" Slim Line (Qty. 1)	20" Slim Line (Qty. 1)	20" Slim Line (Qty. 1)	20" Slim Line (Qty. 1)
Pumps & Motors					
Pump	Rotary Vane (125 GPH)	Rotary Vane (125 GPH)	Rotary Vane (260 GPH)	Rotary Vane (260 GPH)	Rotary Vane (320 GPH)
Motor	1/3 HP	1/3 HP	3/4 HP	3/4 HP	3/4 HP
Electrical					
Standard Voltage	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH	115V, 60HZ, 1PH
Voltage Options	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	220V, 50HZ, 1PH	N/A
System Dimensions					
Approximate Weight	80 lbs.	90 lbs.	100 lbs.	110 lbs.	110 lbs.
System Dimensions (H x W x D)	35" x 17" x 14"	35" x 17" x 14"	60" x 18" x 18"	60" x 18" x 18"	60" x 18" x 18"

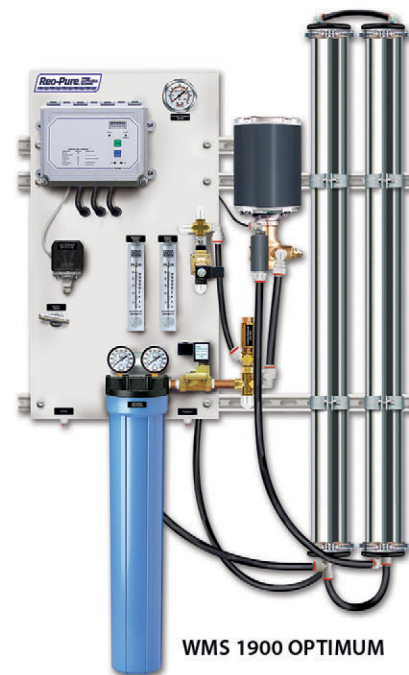
Feed Water Parameters

Temperature Range:	40°F - 90°F (5°C - 30°C)
Minimum Feed Water Pressure:	20 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

Design Conditions

Operating Pressure:	165 PSI (100 PSI for BLS 2400)
Maximum Operating Pressure:	185 PSI
Feed Water Temperature:	77°F (25°C)
Feed Water TDS:	500 PPM as NaCl
Product Water Pressure Switch:	System shuts down at 45 PSI (Optional) System starts up at 25 PSI
Membrane Element:	TFC Polyamide - High Flux
Rejection Rate:	Minimum 95% - Maximum 99%
Typical Recovery:	50%
Electrical:	115V, 60HZ, 1PH (220V, 50HZ, 1PH Optional)

Wall Mount Systems Also Available



WMS 1900 OPTIMUM

Wall Mount Models

WMS 400 WMS 800 WMS 950 WMS 1900 WMS 2400

* System production may vary depending on incoming water temperature and chemistry. System specifications are based on the above design conditions.
Note! If the R.O. system is used with chlorinated water, a carbon filter is required. BLS systems are designed for use with potable water sources only.