

# Pro Line Commercial R.O. Systems

**Proline Ultra-Series Reverse Osmosis Systems**, are state-of-the-art, versatile systems for treating municipal and well water supplies each with Flow rates ranging from 2,600 to 5,200 gallons per day. Minimal energy consumption, low maintenance and operation costs make Proline Series reverse osmosis systems the right choice.

Big on features but not on space, **Proline Ultra-Series** feature a robust, innovative design that allows for versatility in the event of feed water quality and temperature variations. All systems come standard with Ultra Low Energy Membranes and offer high rejection and flow rates for quality system performance. These Ultra Low Energy Units, feature heavy duty 1/2 HP or 3/4 HP stainless steel multistage booster pumps for superior performance and corrosion resistance.



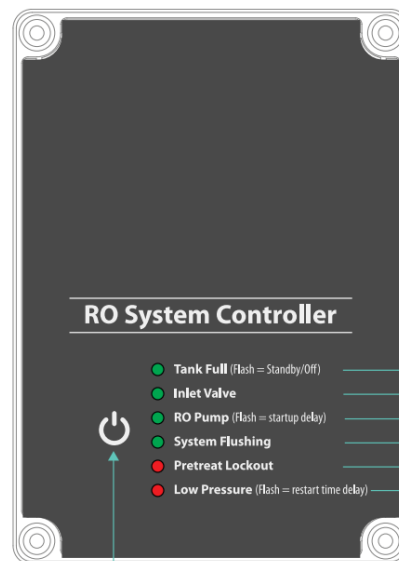
Ultra-5200-D-SS  
Shown In Photo

## Basic Model Features

- Powder Coated Steel Frame
- Motor Thermal Overload Protection
- Ultra Low Energy Membrane Elements
- Stainless Steel Membrane Housings
- 5 Micron Sediment Filter Cartridge
- 20" Jumbo Filter Housing
- Permeate Flow Meter
- Concentrate Flow Meter with Adjustable Needle Valve
- Recycle Flow Meter with Adjustable Needle Valve
- Low Pressure Switch and HIT Solenoid Valve
- Pump Operating Pressure Gauge
- Pre-Filter In/Out Pressure Gauge
- Product Water Check Valve
- Pretreatment Lockout

## Deluxe Model Upgraded Features

- Auto-Flush Solenoid Valve
- Fiberglass Membrane Housings
- Powder Coated Aluminum Frame
- Dual Probe TDS Meter



- Solid Green= Tank Full
- Flashing Red= Standby
- Off= RO Running
- Solid Green= Valve Open
- Flashing Green= Startup Delay
- Solid Green= RO Running
- Solid Green= System Flushing
- Flashing Red= Pretreat Lockout
- Solid Red= Low Pressure
- Flashing Red= Low Pressure-restart delay

**Standby/ON Switch**  
Capacitive touch switch. Tank Full LED turns Red to confirm button contact. To turn controller OFF/Standby, hold for 1-2 seconds. Momentary contact turns controller On.

# Pro Line Ultra-Series Reverse Osmosis Systems

Product Specifications						
	Ultra-2600B	Ultra-2600-D	Ultra-5200B	Ultra-5200-D	Ultra-5200-D-SS	
<b>Design</b>						
Configuration	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass	
Feed Water Source	TDS <2,000	TDS <2,000	TDS <2,000	TDS <2,000	TDS <2,000	
System Recovery with Recycle*	35% - 50%	35% - 50%	50% - 75%	50% - 75%	50% - 75%	
<b>Rejection and Flow Rates</b>						
Nominal Salt Rejection	98.5%	98.5%	98.5%	98.5%	98.5%	
Permeate Flow Rate*	1.8 gpm	1.8 gpm	3.6 gpm	3.6 gpm	3.6 gpm	
Concentrate Flow Rate (min.)	2.00 gpm	2.00 gpm	3.00 gpm	3.00 gpm	3.00 gpm	
Concentrate Recycle Flow Rate	Up to 2.00 gpm	Up to 2.00 gpm	Up to 5.00 gpm	Up to 5.00 gpm	Up to 5.00 gpm	
<b>Connections</b>						
Feed Connection	¾" CTS QC	¾" CTS QC	¾" CTS QC	¾" CTS QC	¾" CTS QC	
Permeate Connection	½" QC	½" QC	½" QC	½" QC	½" QC	
Concentrate Connection	½" QC	½" QC	½" QC	½" QC	½" QC	
<b>Membranes</b>						
Membranes Per Vessel	1	1	1:1	1:1	1:1	
Membrane Quantity	1	1	2	2	2	
Membrane Size	4040	4040	4040	4040	4040	
<b>Vessels</b>						
Vessel Array	1	1	1	1	1	
Vessel Quantity	1	1	2	2	2	
<b>Pumps</b>						
Pump Type	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage	
Motor HP	½ HP	½ HP	¾ HP	¾ HP	¾ HP	
RPM @ 60 HZ	3450	3450	3450	3450	3450	
SF Amps	12.4	12.4	14.5	14.5	14.5	
<b>Electrical</b>						
Standard Voltage	110V 1Ph 60Hz	110V 1Ph 60Hz	110V 1Ph 60Hz	110V 1Ph 60Hz	110V 1Ph 60Hz	
<b>System Dimensions</b>						
Approx. Dimensions (L x W x H)	27" x 25" x 56"	27" x 25" x 56"	27" x 25" x 56"	27" x 25" x 56"	27" x 25" x 56"	
Shipping Weight	135 lbs.	135 lbs.	145 lbs.	145 lbs.	145 lbs.	

\* Product flow and recovery rates are based on feedwater condition of 1000 ppm TDS at 77°F. Treatment ability of the RO System is dependent on feed water quality. Higher TDS and/or lower temperatures will reduce product flow. Performance projections should be run for each installation.

## Operating Limits

Design Temperature	77°F	Max. Turbidity NTU ^	1
Max. Feed Temperature	85°F	Max. Free Chlorine ppm	0
Min. Feed Temperature	40°F	Max. TDS ppm	2,000
Max. Ambient Temperature	120°F	Max. Hardness GPG ^^	1
Min. Ambient Temperature	40°F	Max. pH (Continuous)	11
Max. Feed Pressure psi	85	Min. pH (Continuous)	3
Min. Feed Pressure psi	45	Max. pH (Cleaning 30 Min.)	12
Max. Operating Pressure psi	150	Min. pH (Cleaning 30 Min.)	2
Max. SDI Rating	<3		

**Test Parameters:** Static pressure test for 5 minutes.

^ Appropriate filtration must be installed in order to prevent premature membrane fouling.

^^ Scale prevention measures must be taken to prolong membrane life.