

COMMPRO

Commercial & Professional



COMMPRO Commercial & Professional Reverse Osmosis (RO) Systems are specifically designed for Commercial and Industrial Applications.

COMMPRO Systems are available in 5 models: 2,500 GPD, 5,000 GPD, 7,500 GPD, 10,000 GPD, and 15,000 GPD.

COMMPRO Systems and are Ideal for hotels, large restaurants, juice & beverage production, laboratories, and factories.

Standard Features

- Powder-Coated Aluminum Frame
- Multi-Stage Booster Pumps
- Motor Thermal Overload Protection
- Codeline Fiberglass Membrane Housings
- Low-Energy Brackish Water Membrane Elements
- iControl Controller with Conductivity Probe
- Auto-Flush Solenoid Valve & Multiple Programming
- 5 Micron Sediment Filter Cartridge
- 20" Big Blue Filter Housing
- Permeate Flow Meter
- Concentrate Flow Meter with Adjustable Needle Valve
- Recycle Flow Meter with Adjustable Needle Valve
- Low Pressure Switch
- Pump Operating Pressure Gauge
- Pre-Filter In/Out Pressure Gauge
- Pretreatment Lockout
- Product water tank level connection (Level Control not Included)
- Powered relay output

COMMPRO MODEL#	XPRO-2500D	XPRO-5000D	XPRO-7500D	XPRO-10000D	XPRO-15000D
System Design					
Treatment Configuration	Single Pass	Single Pass	Single Pass	Single Pass	Single Pass
Feed Water Quality	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000	TDS < 2,000
Recovery with Recycle*	35%-50%	35%-50%	50%-75%	50%-75%	50%-75%
Rejection and Flow Rates*					
Nominal Salt Reduction	98.50%	98.50%	98.50%	98.50%	98.50%
Permeate Flow Rate	1.8 gpm	3.5 gpm	5.4 gpm	7.1 gpm	10.5 gpm
Concentrate Flow Rate	2.0 gpm	3.2 gpm	4.5 gpm	6.0 gpm	8.0 gpm
Concentrate Recycle Flow Rate	Up to 2.0 gpm	Up to 2.0 gpm	Up to 5.0 gpm	Up to 5.0 gpm	Up to 5.0 gpm
Water Connections					
Feed Connection	3/4" CTS QC	3/4" CTS QC	1" CTS QC	1" CTS QC	1" CTS QC
Permeate Connection	1/2" QC	1/2" QC	3/4" QC	3/4" QC	3/4" QC
Concentrate Connection	1/2" QC	1/2" QC	3/4" QC	3/4" QC	3/4" QC
Membrane Elements					
Membrane Quantity	1	2	3	4	6
Membrane Size	4" x 40"	4" x 40"	4" x 40"	4" x 40"	4" x 40"
Booster Pumps					
Pump Type	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage	Multi-Stage
Motor HP	1/2 HP	3/4 HP	1 HP	1.5 HP	1.5 HP
RPM @ 60 HZ	3450	3450	3450	3450	3450
Electrical Specifications					
Standard Voltage	110 1ph 60hz	110 1ph 60hz	220v 1ph 60hz	220v 1ph 60hz	220v 1ph 60hz
Safety Factor (SF) Amps	12.4	14.5	9	13	13
Weight and Dims*					
Shipping Weight	135lb	150lb	225 lbs.	240 lbs.	255 lbs.
Approx. Dimensions (L x W x H)	27" x 25" x 56"	27" x 25" x 56"	30" x 35" x 56"	30" x 35" x 56"	30" x 35" x 56"

*Based on internal testing, actual results may vary.

Operating Parameters

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 GPC ^{^^}	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	Max. 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.

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