



Hills & Valley
Water Systems

Pro Line Ultra-Series Deluxe Commercial Reverse Osmosis Systems

The Good Water Warehouse Inc. Ultra-Series Deluxe Reverse Osmosis Systems, are the “big brothers” to our popular Ultra-Series, versatile and state-of-the-art systems for treating municipal and well water supplies. This line-up features systems with nominally rated outputs of: 7,800, 10,400, and 15,600 US GPD on 77F/25C water temperature. All ULTRA High-Output systems have low energy consumption, maintenance and operating costs. Good Water Warehouse Ultra-Series Deluxe Commercial RO systems, made in Calgary Canada, are CSA Certified. **The Right Choice!** Big on standard features, yet compact, these ULTRA-SERIES DELUXE

systems feature a robust design that allows for versatility in the event, of feed water quality and temperature variations. All systems come standard with Ultra Low Energy Membranes, that offer high rejection and flow rates for quality system performance. All ULTRA-SERIES DELUXE systems, feature Franklin Electric multi-stage booster pumps.

These ULTRA-SERIES DELUXE units are all standard with Codeline fiberglass Membrane housings.

All models are equipped with the **iControls** model ROC-5 RO System Controller, for precise control of auto-flush options, Conductivity monitoring, operation indication, powered relay output, pre-treatment and storage tank status, and much more!

Model Features

- Powder-Coated Aluminum Frame
- Franklin Multi-Stage Pumps
- Motor Thermal Overload Protection
- GE AK-90LE Ultra Low Energy Membrane Elements
- Codeline Fiberglass Membrane Housings
- **iControls** ROC 5 Controller with Conductivity Probe
- Auto-Flush Solenoid Valve & Multiple Programming
- 5 Micron Sediment Filter Cartridge
- Pentek 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 Inc.)
- Powered relay output



Ultra 15600
Shown In Photo



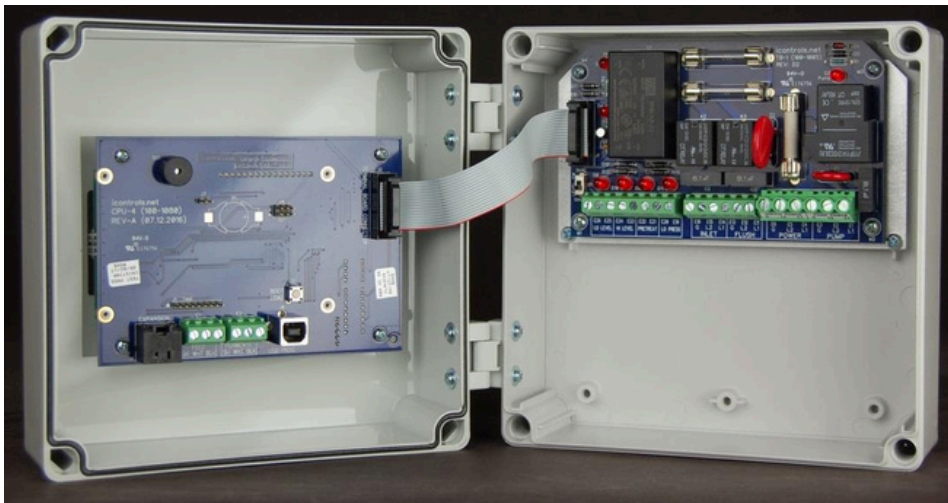
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Systems										
Design					Ultra-7800		Ultra-10400		Ultra-15600	
Configuration					Single Pass		Single Pass		Single Pass	
Feed Water Source					TDS < 2,000		TDS < 2,000		TDS < 2,000	
System Recovery with Recycle*					50% - 75%		50%-75%		50%-75%	
Rejection and Flow Rates										
Nominal Salt Reduction					98.50%		98.50%		98.50%	
Permeate Flow Rate*					5.4 gpm		7.2 gpm		10 gpm	
Concentrate Flow Rate					4.5 gpm		6.0 gpm		8.0 gpm	
Concentrate Recycle Flow Rate					Up to 5.0 gpm		Up to 5.0 gpm		Up to 5.0 gpm	
Connections										
Feed Connection					1" CTS QC		1" CTS QC		1" CTS QC	
Permeate Connection					3/4" QC		3/4" QC		3/4" QC	
Concentrate Connection					3/4" QC		3/4" QC		3/4" QC	
Membrane Quantity										
Membrane Size					3		4		6	
					4x40		4x40		4x40	
Housing Array										
Housing Quantity					1		2		2	
					3		2		3	
Pump Type										
Motor HP					Multi-Stage		Multi-Stage		Multi-Stage	
RPM @ 60 HZ					1		1.5		1.5	
					3450		3450		3450	
Standard Voltage										
SF Amps					220v 1ph 60hz		220v 1ph 60hz		220v 1ph 60hz	
					9		13		13	
Approx. Dims. (L x W x H)										
Shipping Weight					30" x 35" x 56"		30" x 35" x 56"		30" x 35" x 56"	
					225 lbs.		240 lbs.		255 lbs.	

* Product flow and recovery rates are based on feed-water condition of 1,000 ppm of TDS @ 77°F / 25°C. 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.

** Actual Permeate / Product flow rate of any RO System, is dependent on water temperature, pressure, TDS and water quality. The 15,600 GPD unit on Calgary Canada water with 220 TDS Softened water, @ 50 PSI inlet pressure, and an operating temperature of 10C/50F, produced 6.5 GPM of Permeate flow.



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.

*GE is a trademark of General Electric Company.

*Codeline is a trademark of Pentair Residential Filtration, LLC.

*Pentek is a trademark of Pentair Residential Filtration, LLC.