

## **SPECIFICATIONS**

Product Specifications		
	HRO 3.5-200	HRO 3.5-300
<b>Design</b>		
Configuration	Single Pass	Single Pass
Feed Water Source (ppm)	TDS <1000	TDS <1000
Standard Recovery*	40%	50%
<b>Rejection and Flow Rates</b>		
Nominal Salt Rejection	98.5%	98.5%
Permeate Flow* (gpm / lpm)	0.14 / 0.53	0.21 / 0.79
Concentrate Flow (gpm / lpm)	0.21 / 0.79	0.21 / 0.79
<b>Connections</b>		
Feed (in)	3/8 Tube	3/8 Tube
Permeate (in)	3/8 Tube	3/8 Tube
Concentrate (in)	3/8 Tube	3/8 Tube
<b>Membranes</b>		
Membrane Per Vessel	1	1
Membrane Quantity	1	1
Membrane Size	2514	2521
<b>Vessels</b>		
Vessel Array	1	1
Vessel Quantity	1	1
<b>Pumps</b>		
Pump Type	Aquatec 5800	Aquatec 5800
Motor (hp / kw)	N/A	N/A
<b>Electrical</b>		
Standard Voltage	110V, 60Hz, 1Ph, 1.0A	110V, 60Hz, 1Ph 1.0A
Voltage Options	220V, 50Hz, 1Ph, 0.5A	220V, 50Hz, 1Ph, 0.5A
<b>System Dimensions</b>		
L x W x H (in / cm)	9 x 20 x 19 / 22.9 x 50.8 x 48.3	9 x 27 x 19 / 22.9 x 68.6 x 48.3
Weight (lb / kg)	42 / 19.1	50 / 22.7

\* Product flow and recovery rates are based on feedwater conditions of 550 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 <sup>^</sup>	1
Max. Feed Temperature	85°F	Max. Free Chlorine ppm	0
Min. Feed Temperature	40°F	Max. TDS ppm	1,000
Max. Ambient Temperature	120°F	Max. Hardness GPG <sup>^^</sup>	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	120	Min. pH (Cleaning 30 Min.)	2
Max. SDI Rating	<3		

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

<sup>^</sup> Appropriate filtration must be installed in order to prevent premature membrane fouling.

<sup>^^</sup> Scale prevention measures must be taken to prolong membrane life.