NELSEN WATER SOLUTIONS Since 1954

NRO SIMPLX SERIES SYSTEMS

2500 & 5000 Gallons per Day

NRO

Commercial Reverse Osmosis

The NRO SIMPLX Series is a Commercial Reverse Osmosis System that doesn't cut corners and is engineered to deliver performance and quality. Performance without compromise, this series includes all the essential components necessary to produce quality RO Water in a trouble free and cost effective package.

The **NRO SIMPLX Series** is competitively rated for Commercial or Light Industrial applications requiring flow rates of 2500 and 5000 gallons per day (GPD). NSF-grade high quality parts are used to build this tough system.



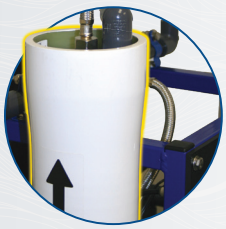
The optional and economical CHIP Controller removes the need for a low pressure switch to control the pump and a start delay to prevent system cycling. A switching power supply operates on 96-264VAC, automatically adjusting to operating voltage. Voltage at the supply terminals is the voltage for the pump and valves. The controller allows for tank level, system flushing (not available on SIMPLX systems, pre-treatment lockout, & start-up delays.

System Features Include

- **High Flow TFC Low Pressure Membranes** - other types and ratings available
- **High Quality** gloss 300psi FRP housings
- **Easily Replaceable Motor Mounting System** - for ease of field repairs
- **Easily Replaceable Sch 80 PVC Fittings** - for ease of field repairs
- **Stainless Shut-Off Valve**
- **Low Pressure** mechanical switch
- **Permeate & Concentrate Flow Meters**
- **Throttle Valve** - to adjust system to optimum production
- **Concentrate Pressure Gauge** - liquid filled for accurate & steady pressure readings
- **High Pressure Multi-Stage Centrifugal Pump** - for long lasting performance
- **High Flow 5 Micron Prefilter** - front mounted for ease of access



Multi-Stage Booster Pumps



Gloss 300 psi FRP Housings



Permeate & Concentrate Flow Meters



Easy Motor Mount Bracket



Concentrate Pressure Gauge

NRO-S-1440F-2500-1-CXX
Shown with Optional Chip Controller



NRO SIMPLX System Specifications

Model:	NRO-S-1440F-2500-1-XXX	NRO-S-2440F-5000-1-XXX
Production GPD*	2500	5000
Membrane	4" x 40" (1)	4" x 40" (2)
Permeate GPM	1.73 GPM	3.47 GPM
Feed GPM**	6.0	7.0
% Recovery	50-75%	50-75%
Pump	3/4 HP	1 HP
FLA 60HZ 1Ø 110/220	14.8/7.4	-/9.6
Circuit Size	25/15A	-/15A
Inlet	3/4"	3/4"
Permeate	1/2"	1/2"
Concentrate	1/2"	1/2"
Floor Model Unit Dims (DxWxH)	22"x17"x55"	22"x17"x55"
Weight - Pounds	97 lbs.	125 lbs.
Maximum Operating Pressure	160 psi	160 psi

* The stated product performance is based on data taken after 30 minutes of operation at the following test conditions: 2,000 mg/L NaCl solution at 150 psig (1.5 MPa) applied pressure, 15% recovery, 77° F (25° C), pH 6.5–7.0

** Minimum pressure of 35psi dynamic

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Part # NRO-SIMPLX-LIT
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