

Nelsen Commercial NRO 440 Series Systems

The NRO Commercial Series of Reverse Osmosis Systems are custom built by Nelsen Corporation to your specifications. These commercial systems of unmatched value in quality and price give you a multitude of standard features that are optional on most other ROs!

NSF-grade high quality parts are used to build this tough system. All Nelsen NRO Commercial Systems are wet tested to optimum pressure and production prior to shipment.

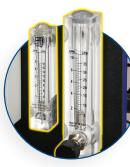
The NRO 440 Series is designed for Commercial or Light Industrial applications requiring flow rates of 0.17-6.9 gallons per minute (GPM). The NRO 440 Series features the durability of a powder coated steel frame, an optional complete performance monitoring package, and simple system integration.



Easy Motor Mount Bracket



Stainless Steel Multi Stage Booster Pumps



Permeate & Concentrate Flow Meters



Optional - Control Box w/Low Pressure, Permeate TDS & Level Controls



Gloss 300 psi FRP Housings, Stainless Available at No Additional Cost







System Features & Options

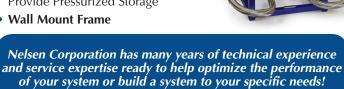
System Features Include:

- Carbon Steel Frame for Strength & Rigidity.
- Powder Coated Frame for Long Life & Durability.
- **Extended Frame Legs** with Plastic End Caps for Protection from Ground Contact and Ease of Movement.
- Replaceable Motor Mounting System makes field repairs easy, bracket mounts to motor and slides over frame
- True Union Couplings on Inlet & Outlet of Motor. No Plumbing Disassembly Required for Change Out
- Stainless Braided Hoses for Protection Against Corrosion, Leaks & Fraying
- Replaceable Schedule 80 PVC Fittings for Ease of Field Repairs
- **Quick Connect Fittings** on Gauges & Recycle Operation for Ease of Service
- **Brass or Stainless Steel** Inlet Shut Off Valve.
- High Flow TFC Low Pressure Membranes Additional Element Types & Ratings Available
- High Quality Gloss 300 psi FRP Housings Stainless Housings Available at No Additional Cost
- Integrated Recycle Valve
- Low Pressure Mechanical Switch w/Time Delay Snubber Valve
- Permeate & Concentrate Flow Meters
- Liquid Filled Gauges for Accurate & Steady Pressure Readings
- Panel Mounted Concentrate Pressure Gauge
- **Stainless Steel High Pressure Centrifugal Pump** for Lasting Performance
- Pump Throttle Valve & Pipe Mounted Discharge Pressure Gauge
- Float Switch & Pretreatment Interlocks Standard on all Systems
- High Flow 5 Micron Front Mounted Prefilter for Ease of Service

Optional NRO Series Upgrades:

 Digital Display Electronic Control Box with Permeate TDS Display, Low Pressure Auto Reset

- Private Labeling Available
- **Custom Photo Quality Controller** Graphics Available (Min Order Quantity Required)
- **Upgrade Control Box** for Interval Fast Flush
- **Upgrade Control Box** for Permeate Flush
- **Custom Operational Programs** At No Cost
- **Second TDS Function** for Feed Water
- **Additional Panel Mounted Gauges** Customer Specified
- Pre & Post Filter Gauges
- Manual Auto Flush Valve
- Interstage Gauges
- **Bladder Tank Control** Available to Provide Pressurized Storage
- **Wall Mount Frame**



Nelsen Commercial Reverse Osmosis System Specifications Model: NRO-1440-1600 NRO-2440-3200 NRO-3440-4800 NRO-4440-6400 NRO-5440-8000 NRO-6440-10000 Production GPD**** 1600 3200 4800 6400 8000 10,000 4 X 40 (6) Membrane 4 X 40 (1) 4 X 40 (2) 4 X 40 (3) 4 X 40 (4) 4 X 40 (5) Permeate GPM 1.11 2.2 3.3 4.5 5.7 6.9 Feed GPM* 7.0 10.0 6.0 8.0 9.0 11.0 50%-75% 50%-75% 50%-75% 50%-75% 50%-75% % Recovery w/Recycle 19%-30% 1 HP 1 HP 1.5 HP 1.5 HP 3 HP 3 HP Pump FLA 60HZ 1Ø 220 19.2/9.6 19.2/9.6 */12 */12 */15 */15 Circuit Size 20/15A 20/15A 15A 15A 20A 20A 1" Big Blue® Inlet 3/4" 3/4" 3/4" 3/4" 1" Big Blue® Permeate 1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1" Concentrate 1/2" 1/2" Unit Dims (DxWxH) 271/4"x25"x543/4" 271/4"x25"x543/4" 271/4"x25"x543/4" 271/4"x25"x543/4" 321/2"x25"x561/2" 321/2"x25"x561/2" 34"x341/2"x581/2" 34"x341/2"x581/2" 34"x341/2"x581/2" 34"x341/2"x581/2" 34"x341/2"x581/2" 34"x341/2"x581/2" Shipping Dims 169 lbs. Weight - Pounds 124 lbs. 149 lbs. 158 lbs. 211 lbs. 224 lbs.