



# RECLAIM Filters & Systems

commercial and industrial ozone & water reclamation systems

## Reclaim Commercial New RO

The **NRO (NEW R.O.) Commercial Series of Reverse Osmosis Systems** are custom built by Reclaim 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 **Reclaim NRO Commercial Systems** are wet tested to optimum pressure and production prior to shipment, are delivered with individual quality assurance reports to show actual performance data on outputs and rejections.

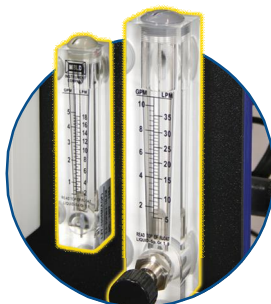
The **NRO 440 Series** is designed for Commercial or Light Industrial applications requiring flow rates of 0.17-6.9 gallons per minute (GPM). The **NRO 440 Series** features the durability of a powder coated steel frame, a complete performance monitoring package, and simple system integration.



*Easy Motor Mount Bracket*



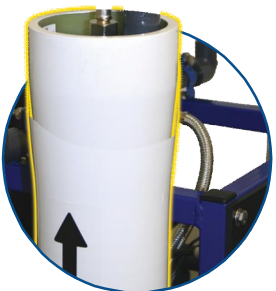
*Stainless Steel Multi Stage Booster Pump*



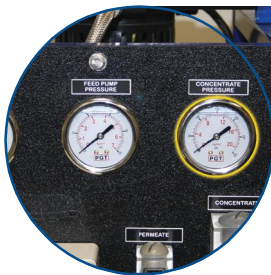
*Flow Meters*



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



*Gloss 300 psi FRP Housings - Stainless Available at No Additional Cost*



*Liquid Filled Panel Mounted Concentrate Pressure Gauge*



**Reclaim Commercial New RO Series**

919 528-1787

[www.waterreclaim.com](http://www.waterreclaim.com)

# System Features & Options

## Additional 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 And 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**



*Reclaim Corporation has many years of technical experience and service expertise ready to help optimize the performance of your system or build a system to your specific needs!*

## Reclaim 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         |
| Membrane             | 4 X 40 (1)    | 4 X 40 (2)    | 4 X 40 (3)    | 4 X 40 (4)    | 4 X 40 (5)    | 4 X 40 (6)     |
| Permeate GPM         | 1.11          | 2.2           | 3.3           | 4.5           | 5.7           | 6.9            |
| Feed GPM***          | 6.0           | 7.0           | 8.0           | 9.0           | 10.0          | 11.0           |
| % Recovery w/Recycle | 19%-30%       | 50%-75%       | 50%-75%       | 50%-75%       | 50%-75%       | 50%-75%        |
| Pump                 | 1 HP          | 1 HP          | 1.5 HP        | 1.5 HP        | 3 HP          | 3 HP           |
| FLA 60HZ 1Ø 110/220  | 19.2/9.6      | 19.2/9.6      | 24/12         | 24/12         | */15          | */15           |
| FLA 60HZ 3Ø 230/460  | **            | **            | **            | **            | **            | **             |
| Circuit Size         | 25/15A        | 25/15A        | 30/15A        | 30/15A        | 20A           | 20A            |
| Inlet                | 3/4"          | 3/4"          | 3/4"          | 3/4"          | 1" Big Blue®  | 1" Big Blue®   |
| Permeate             | 1/2"          | 1/2"          | 1/2"          | 1/2"          | 1"            | 1"             |
| Concentrate          | 1/2"          | 1/2"          | 1/2"          | 1/2"          | 1"            | 1" Unit        |
| Dims (DxWxH)         | 27¼"x25"x54¾" | 27¼"x25"x54¾" | 27¼"x25"x54¾" | 27¼"x25"x54¾" | 32½"x25"x56½" | 32½"x25"x56½"  |
| Shipping Dims        | 34"x34½"x58½" | 34"x34½"x58½" | 34"x34½"x58½" | 34"x34½"x58½" | 34"x34½"x58½" | 34"x34½"x58½"  |
| Weight - Pounds      | 124 lbs.      | 149 lbs.      | 158 lbs.      | 169 lbs.      | 211 lbs.      | 224 lbs.       |

\* - 110 Volt Not Available \*\* - Consult Factory \*\*\* 77° at a minimum pressure of 20PSI