

Commercial NRO 2540 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 2540 Series** is designed for Commercial or Light Industrial applications requiring flow rates of 700-1400 gallons per day (GPD). The **NRO 2540 Series** features the durability of a powder coated steel frame, stainless steel pressure vessels, liquid filled panel mounted pressure gauges, and a rotary vane pump with a mounting bracket system that is easily removed for maintenance by one person.



NRO-22540-1400
(Shown with optional upgrades)



Easy Motor Mount Bracket



Standard Procon Rotary Vane Pumps



Optional Stainless Steel Multi Stage Booster Pump



Permeate & Concentrate Flow Meters



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



300 psi Stainless Steel Pressure Vessels



Liquid Filled Panel Mounted Concentrate Pressure Gauge

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
- **Quick Connect Fittings** on Rotary Vane Pumps.
- **Replaceable Quick Connect 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 Stainless Steel Membrane Housings**
- **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**
- **Optional Stainless Steel High Pressure Centrifugal Pump** for Lasting Performance (1400 gpd only)
- **Pump Throttle Valve** & Pipe Mounted Discharge Pressure Gauge for Multi-Stage Booster Pumps
- **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**



NRO-22540-1400-WM
(Shown with optional upgrades)

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

Nelsen Commercial Reverse Osmosis System Specifications

Model Type	Floor Stand	Floor Stand	Wall Mount	Wall Mount
Model Number:	NRO-12540-700	NRO-22540-1400	NRO-12540-700-WM	NRO-22540-1400-WM
Production GPD	700	1400	700	1400
Membrane	2-1/2" x 40" (1)	2-1/2" x 40" (2)	2-1/2" x 40" (1)	2-1/2" x 40" (2)
Permeate GPM**	.48GPM	.97GPM	.48GPM	.97GPM
Feed GPM	1.7	2	1.7	2
% Recovery w/Recycle	19-40%	30-60%	19-40%	30-60%
Pump	.5 HP	.75 HP	.5 HP	.75 HP
FLA 60HZ 1Ø 110/220	7.1/3.4	10/5.0	7.1/3.4	10/5.0
FLA 60HZ 3Ø 230/460	*	*	*	*
Circuit Size	20/10A	20/10A	20/10A	20/10A
Inlet	3/4"	3/4"	3/4"	3/4"
Permeate	3/8"	3/8"	3/8"	3/8"
Concentrate	3/8"	3/8"	3/8"	3/8"
Unit Dims (DxWxH)	27 1/4"x24"x54 3/4"	27 1/4"x24"x54 3/4"	16 1/4"x32 3/4"x47 1/4"	16 1/4"x32 3/4"x47 1/4"
Shipping Dims (DxWxH)	34"x25 1/2"x58"	34"x25 1/2"x58"	48"x40 3/4"x29 1/4"	48"x40 3/4"x29 1/4"
Weight - Pounds	104 lbs.	118 lbs.	106 lbs.	120 lbs.

* - Consult Factory ** Minimum pressure of 20PSI