



NECO 300 GPD Reverse Osmosis System

- Fully Equipped and Customizable
- Higher Recovery Rates
- Lower Energy Consumption
- High Flow Low-Energy Membranes
- Lower Maintenance
- Compact Space Saving Design
- Individually Wet Tested and Sanitized
- 1-Year Manufacturer's Warranty
- Made in the U.S.A.

NECO Reverse Osmosis Systems feature an excellent pre-treatment design, high quality components and offer high performance. Marlo systems are designed for higher recovery rates and minimum energy consumption.

Experience greater savings with lower maintenance and operation costs when you install a **NECO Reverse Osmosis System**.



NRO-300 Commercial Reverse Osmosis System

Standard Features:

- **Membrane:** One 2.5" x 21" TFC HF4 Membrane – For maximum rejection of impurities and high flow.
- **Membrane Housing:** One 2.5" x 21" PVC Membrane Housing
- **Pump:** Two Aquatec® 8800 Booster Pumps 24 VAC – Designed for continuous use and features built in protection for loss of feed water pressure.
- **Frame:** One Steel White Powder Coated Triple Bracket – Corrosion resistant and light weight.
- **Sediment Filter:** One 2.5" x 20" 5 Micron Polypropylene Filter – Removes sediments and protects the system.
- **Carbon Block:** One 2.5" x 20" 10 Micron Carbon Block – Removes Chlorine, odor, and taste from the feed water.
- **Sediment Filter:** One 2.5" x 20" 1 Micron Polypropylene Filter – Removes sediments and protects the system down to 1 micron.
- **Filter Housing:** Three 2.5" x 20" Double O-Ring Filter Housings – Offers durability and improved sealing capabilities.
- **Pressure Gauge:** One 1.5" 0-160 PSI Pressure Gauge – For accurate monitoring of the system's operating pressure.
- **Tank Switch:** Two Tank Pressure Switches w/ 3/8" JG Ports 20-40 PSI – For automatic operation with a pressure tank.
- **Electronic Shut-Off Valve:** One Electronic 24 Volt Solenoid Valve 3/8" – Automatically shuts off the feed water to the system.
- **Auto-Flush Timer Valve:** One Auto-Flush Timer Valve 700 ml/min 1/4" – Regulates the product to waste ratio (system's recovery) and automatically flushes the membrane on start-up.
- **Transformer:** Two 8800 2 Amp 110 Volt 60 Hertz 24 VAC Transformers. Also available in 220 Volt 50 Hertz.
- **Easy Maintenance & Operation:** NECO reverse osmosis systems feature a compact design and have all of their components strategically located for easy access and inspection.

Optional Features:

- **TDS Meter:** One Inline Dual TDS Meter w/ 3/8" Quick Connect Fittings – For monitoring of feed water and product water quality.
- **Frame:** One White Steel Frame with Bulk Head Fittings – Can be mounted or free standing.

System Specifications

Model	MRO-300-2.5	Design	Wall Mount
Gallons Per Day	300 @ 77°F	Dimensions (Approx.)	7" x 28" x 33"
Weight (Approx.)	50 lbs.	Concentrate Re-Circulate	N/A
Auto-Flush	Standard	Element Size (in.)	2521 TFC HF4
Elements (Qty.)	1	Motor HP	N/A
Voltage	110 or 220	Hertz	50 or 60
Feed Connection	3/8"	Product Connection	3/8"
Waste Connection	1/4"		

System Operating Specifications

Minimum Feed Pressure	35 psi
Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	1
Maximum Hardness	10 Grains / Gallon or less
Maximum TDS	1000 ppm
Operating Pressure	120 psi
Nominal NaCl % Rejection	98.5%
Maximum Feed (GPM)	3
pH Range	3 – 11
Maximum Temperature	105 °F

Optional Floor Standing Frame



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