

COMMERCIAL RO

Commercial or Light Industrial Applications

The **VESTA® VRO 2540 Commercial Series** of Reverse Osmosis Systems are custom built 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.

The **VRO 2540 Series** is designed for Commercial or Light Industrial applications requiring flow rates of 700-1400 gallons per day (GPD). The **VRO 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.



VESTA® Commercial VRO 2540 Series Systems

VESTA®
WATER SOLUTIONS
COMMERCIAL

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 VRO Series Upgrades:

- **Digital Display Electronic Control Box** with Permeate TDS Display, Low Pressure Auto Reset
- 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 Flush Valve**
- **Interstage Gauges**
- **Bladder Tank Control** Available to Provide Pressurized Storage
- **Wall Mount Frame**



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

Your VESTA Professional Water Treatment Dealer has years of technical experience and service expertise ready to help optimize the performance of your system!

VESTA Commercial Reverse Osmosis System Specifications

Model Type	Floor Stand	Floor Stand	Wall Mount	Wall Mount
Model Number:	VRO-12540-700	VRO-22540-1400	VRO-12540-700-WM	VRO-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
Circuit Size	20/10A	20/10A	20/10A	20/10A
Solenoid Voltage	110v	110v	110v	110v
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"x24"x54¾"	27"x24"x54¾"	16"x32¾"x47¼"	16"x32¾"x47¼"
Shipping Dims (DxWxH)	34"x25½"x58"	34"x25½"x58"	48"x40¾"x29¼"	48"x40¾"x29¼"
Weight - Pounds	104 lbs.	118 lbs.	106 lbs.	120 lbs.

*Minimum pressure of 20PSI **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 225 psig (1.5 MPa) applied pressure, 15% recovery, 77° F (25° C), pH 6.5-7.0

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Part # VRO-2540-LIT