

COMMERCIAL RO

Commercial or Light Industrial Applications

The **VESTA® VRO 440 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 440 Series** is designed for Commercial or Light Industrial applications requiring flow rates of 2,500 - 20,000 gallons per day (GPD). The VRO 440 Series features the durability of a powder coated steel frame, an optional complete performance monitoring package, and simple system integration.

The **VRO 440 Series** features AXEON® XE1 high performance membrane elements that operate at a low applied pressure of only 100 psi.



Easy Motor Mount Bracket



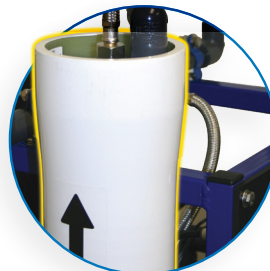
Multi Stage Booster Pumps



Permeate & Concentrate Flow Meters



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



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



Liquid Filled Panel Mounted Concentrate Pressure Gauge

VESTA® Commercial VRO 440 Series Systems

VESTA®
WATER SOLUTIONS
COMMERCIAL

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**
- **AXEON® XE1 Membrane Elements** - offer enhanced performance by operating at a low applied pressure of 100 psi
- **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**
- **Multi-Satge 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 VRO Series Upgrades:

- **Digital Display Electronic Control Box** with Permeate TDS Display, Low Pressure Auto Reset
- **Upgrade Control Box** Interval Fast Flush
- **Upgrade Control Box** 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



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:	VRO-1440-2500	VRO-2440-5000	VRO-3440-7500	VRO-4440-10000	VRO-5440-12500	VRO-6440-15000
Production GPD ***	2500	5000	7500	10,000	12,500	15,000
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	1.73	3.47	5.2	6.94	8.68	10.4
Feed GPM **	6.0	7.0	10.0	12.0	17.0	20.0
% 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 220	19.2/9.6	19.2/9.6	*/12	*/12	*/15	*/15
Circuit Size	15A	15A	15A	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 **Minimum pressure of 35psi ***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 150 psig (1.5 MPa) applied pressure, 15% recovery, 77°F (25°C), pH 6.5-7.0

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Part # VRO-440-LIT