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.

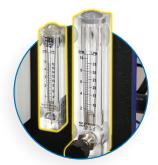
The **VRO 440 Series** is designed for Commercial or Light Industrial applications requiring flow rates of 0.17-6.9 gallons per minute (GPM). The VRO 440 Series features the durability of a powder coated steel frame, an optional complete performance monitoring package, and simple system integration.



Easy Motor Mount Bracket



Multi Stage Booster Pumps



Permeate & Concentrate 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



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
- 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 & 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 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



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:	VRO-1440-1600	VRO-2440-3200	VRO-3440-4800	VRO-4440-6400	VRO-5440-8000	VRO-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 220	19.2/9.6	19.2/9.6	*/12	*/12	*/15	*/15
Circuit Size	20/15A	20/15A	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.