

Titan™ 500 Reverse Osmosis System

Titan™ 500 A-Series 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 Limited Warranty
- Made in the U.S.A.

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

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



Titan 500
200029
Pictured with
Optional
Flow Meters

The Ultra Water
Treatment Solution.

Titan™ 500 Commercial Reverse Osmosis System



Titan 500
200029
Pictured with
Optional Flow Meters

Standard Features:

- **Membrane:** Two 2.5" x 21" TFC HF1 Membranes – For maximum rejection of impurities and high flow.
- **Membrane Housing:** Two 2.5" x 21" Champ™ Membrane Housings – Feature a patented design and require no tools when servicing.
- **Pump:** One 401 Fluid-O-Tech® 2.3 GPM NSF Approved Brass Rotary Vane Pump – Directly couples to the motor and is designed for continuous high pressures.
- **Motor:** One 1/3 HP Motor 110 or 220 Volt 50 or 60 Hertz CSA and RU (UL recognized).
- **Frame:** One Aluminum White Powder Coated Frame – Corrosion resistant and light weight.
- **Sediment Filter:** One 4.5" x 10" Big White 5 Micron Polypropylene Filter – Removes sediments and protects the system.
- **Carbon Block:** One 4.5" x 10" Big White 10 Micron Carbon Block – Removes Chlorine, odors, and taste.
- **Filter Housing:** Two 4.5" x 10" Big Grey Double O-Ring Filter Housings – Offers durability and improved sealing capabilities.
- **Pressure Gauges:** One PuroTech™ 2.5" 0-300 PSI Panel Mount Glycerin Filled Gauge and Two PuroTech™ 1.5" 0-160 PSI Bottom Mount Dry Gauges – For monitoring the system's operating pressure and the filter & carbon operating pressure.
- **Low Pressure Switch:** One McCanns® Low Pressure Switch – Safety device which protects the pump from running dry when there is insufficient feed water pressure.
- **Solenoid Valve:** One Solenoid Valve with Manual Override 110 or 220 Volt 50 or 60 Hertz UL Approved – Assists with the on/off functionality of the system.
- **Concentrate Valve:** One 1/4" Brass Needle Valve – Regulates the system's recovery (product to waste ratio).
- **Switch:** One Manual On and Off Switch
- **Easy Maintenance & Operation:** Titan™ reverse osmosis systems feature a compact design, are pre-plumbed, pre-wired, and have all of their components strategically located for easy access and inspection.

Titan 500 A-Series System Options & Upgrades

Part Number:	Description:
200044	Concentrate Recirculate Option
200045	Concentrate Recirculate with PuroTech 0-2 gpm Flow Meter Option
200049	PuroTech™ 0-2 Product Flow Meter Option
200050	PuroTech™ 0-2 Concentrate Flow Meter Option
200052	HM Digital Panel Mount TDS Meter PS-100 Option
200053	HM Digital Panel Mount Dual TDS Meter PS-200 Option
200055	Square D High Pressure 40-60 Tank Switch Option
200056	PuroTech™ 2.5" Stainless Steel Housing Upgrade Each
200060	Fluid-O-Tech Stainless Steel Rotary Vane Pump Upgrade
200064	RO UltraTec 2.5" TFC HF4 Extra Low Energy Membrane Upgrade Each
200067	ASD Anti-Scaling Device, Catalytic Conditioning Bar 3/4" MNPT Option

System Specifications

Model	Titan 500	Part #	200029
Gallons Per Day	500 @ 77°F	Dimensions (Approx.)	14" x 20" x 27"
Weight (Approx.)	65 lbs.	Concentrate Re-Circulate	Optional
Auto Flush	Optional	Element Size (in.)	HF1-2521
Elements (Qty.)	2	Motor HP	1/3
Voltage	110 or 220	Hertz	50 or 60
Feed Connection	3/4"	Product Connection	3/8"
Waste Connection	3/8"	Recovery	50% *

* Specifications Can Vary Depending on System Design

System Operating Specifications

Minimum Feed Pressure	35 psi	Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	.69	Maximum Hardness	15 Grains/Gallon
Maximum TDS	2000 ppm	Operating Pressure	150 psi
Nominal NaCl % Rejection	98.5%	Maximum Feed (GPM)	3
pH Range	3 – 11	Maximum Temperature	105° F

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