

# Titan™ 500 Reverse Osmosis System



## Titan™ 500 Silver/Gold 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 500 Silver/Gold Series Reverse Osmosis Systems** feature an excellent pretreatment 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.



*The Ultra Water Treatment Solution*

# Titan™ 500 Reverse Osmosis System

## Standard Features:

- **Membrane:** Two 2.5" x 21" TFC HF4 Extra Low Energy Membranes – For maximum rejection of impurities and high flow. (PN: 107612)
- **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. (PN: 107396)
- **Carbon Block:** One 4.5" x 10" Big White 10 Micron Carbon Block – Removes Chlorine, odors, and taste. (PN:107397)
- **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.
- **Product Flow Meter:** PuroTech 0-2 GPM Flow Meter – For monitoring the system's product flow.
- **Concentrate Flow Meter:** PuroTech™ 0-2 GPM Flow Meter – For monitoring the system's concentrate flow.
- **Concentrate Valve:** One 1/4" Stainless Steel Needle Valve – Regulates the system's recovery (product to waste ratio).
- **Concentrate Recirculation:** One 1/4" Stainless Steel Needle Valve with PuroTech™ 0-2 GPM Flow Meter – For optimum system recovery and performance.
- **Product Water Quality Meter:** HM Digital Panel Mount TDS Meter PS-100 (GOLD SERIES ONLY) For monitoring the system's product water quality
- **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 their components strategically located for easy access and inspection.

## System Specifications:

Model	Titan 500 Silver	Part#	107032
	Titan 500 Gold	Part#	107033
Gallons Per Day	500 @ 77°F*	Dimensions (Approx)	14"x20"x27"
	320 @ 55°F*	Weight (Approx)	65 lbs.
Elements (Qty)	2	Motor HP	1/3
Element Size (in)	HF4-2521	Hertz	50 or 60
Feed Connection	3/4"	Voltage	110 or 220
Product Connection	3/8"	Recovery	50-75%*
Waste Connection	3/8"		

\* Gallons per day and recovery are dependant upon the feed water chemistry. Specifically, but not limited to, temperature and total dissolved solids (TDS). A complete raw water analysis may be required to determine actual performance.

## Systems Operating Specifications:

Minimum Feed Pressure	35 psi	Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	.69	Maximum Hardness	15 gpg
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
		Operation	Atmospheric Tank or Direct Feed
		Note:	Optional level controls or pressure switch required.



# Hellenbrand®

404 Moravian Valley Road • Waunakee, WI 53597  
[www.hellenbrand.com](http://www.hellenbrand.com) • [info@hellenbrand.com](mailto:info@hellenbrand.com)