

Titan™ 4000 Reverse Osmosis System



Titan™ 4000 Series Silver/Gold/Platinum 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 4000 Silver/Gold/Platinum 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™ 4000 Reverse Osmosis System

Standard Features:

- **Membrane:** Two 4" x 40" TFC HF4 Extra Low Energy Membranes – For maximum rejection of impurities and high flow. (PN: 107614)
- **Membrane Housing (SILVER & GOLD):** Two 4" x 40" Champ™ Membrane Housings – Feature a patented design and require no tools when servicing.
- **Membrane Housing (PLATINUM):** Two 4" x 40" Purotech™ Fiberglass Housings.
- **Pump & Motor:** One Goulds® 1 HP Multistage Pump and Motor 110/220/460, 50 or 60 Hertz 1 or 3 Phase CSA, CE and RU (UL Recognized) – Designed for continuous high pressures.
- **Frame:** One Aluminum White Powder Coated Frame – Corrosion resistant and light weight.
- **Sediment Filter:** One 4.5" x 20" Big White 5 Micron Polypropylene Filter – Removes sediments and protects the system. (PN: 107439)
- **Carbon Block:** One 4.5" x 20" Big White 10 Micron Carbon Block – Removes Chlorine, odors, and taste. (PN:107440)
- **Sediment Filter:** One 4.5" x 20" Big White 1 Micron Polypropylene Filter – Removes sediments and protects the system down to 1 micron. (PN: 107456)
- **Filter Housing:** Three 4.5" x 20" Big Grey Double O-Ring Filter Housings – Offers durability and improved sealing capabilities.
- **Pressure Gauges:** Two PuroTech™ 2.5" 0-300 PSI Panel Mount Glycerin Filled Gauges 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 UL Approved – Assists with the on/off functionality of the system.
- **Product Flow Meter:** PuroTech 0-10 GPM Flow Meter – For monitoring the system's product flow.
- **Concentrate Flow Meter:** PuroTech 0-10 GPM Flow Meter – For monitoring the system's concentrate flow.
- **Concentrate Valve:** One 1/2" Stainless Steel Needle Valve – Regulates the system's recovery (product to waste ratio).
- **Concentrate Recirculation:** One 1/2" Stainless Steel Needle Valve with PuroTech 0-5 GPM Flow Meter – For optimum system recovery and performance.
- **Computer Controller (SILVER):** One Minitrol® Computer Controller (UL Listed) with on/off switch, pre-treat lockout, tank full contacts, low pressure monitoring, and alarm. One Panel Mount TDS Meter – Provides you with accurate readings of the product water quality.
- **Computer Controller (GOLD):** One Minitrol® Computer Controller (UL Listed) with on/off switch, pre-treat lockout, tank full contacts, low pressure monitoring, and alarm and **AutoFlush.** One Panel Mount TDS Meter – Provides you with accurate readings of the product water quality.
- **Microprocessor Controller (PLATINUM):** The S-150 is a Microprocessor based controlled with a TDS/Conductivity monitor/controller which displays system status and sensor & switch input status on an easy to read backlit display. User programmable Setpoints are provided that allow fast and easy adjustment of system parameters.
- **Product Flow Meter:** PuroTech™ 0-10 GPM Flow Meter – For monitoring the system's product flow.
- **Concentrate Flow Meter:** PuroTech™ 0-10 GPM Flow Meter – For monitoring the system's concentrate flow.
- **Concentrate Recirculation:** One 1/2" Stainless Steel Needle Valve with PuroTech™ 0-5 GPM Flow Meter – For optimum system recovery and performance.
- **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.

System Specifications:

Model	Titan 4000 Silver	Part#	107040
	Titan 4000 Gold	Part#	107041
	Titan 4000 Platinum	Part#	107042
Gallons Per Day	4000 @ 77°F*	Dimensions (Approx)	30"x38"x47"
	2600 @ 55°F*	Weight (Approx)	235 lbs.
Elements (Qty)	2	Motor HP	1
Element Size (in)	HF4-4040	Hertz	50 or 60
Feed Connection	3/4"	Voltage	110 or 220
Product Connection	1"	Recovery	50-75%*
Waste Connection	1"		

* 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)	6	Maximum Hardness	15 gpg
Maximum TDS	2000 ppm	Operating Pressure	150 psi
Nominal NaCl% Rejection	98.5%	Maximum Feed (GPM)	15
pH Range	3-11	Maximum Temperature	105°F
		Operation	Atmospheric Tank or Direct Feed
		Note:	Optional level controls or pressure switch required.



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