

# Tethys PRO 1800 Reverse Osmosis System



## Tethys PRO 1800 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.

**Tethys PRO 1800 Reverse Osmosis Systems** feature an excellent pre-treatment design, high quality components and offer high performance. **Tethys** systems are designed for higher recovery rates and minimum energy consumption.

Experience greater savings with lower maintenance and operation costs when you install a **Tethys PRO 1800 Reverse Osmosis Systems**.



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# Tethys 300P Reverse Osmosis Systems

## Standard Features:

- **Membrane:** One 4" x 40" TFC HF1 Membrane – For maximum rejection of impurities and high flow.
- **Membrane Housing:** One 4" x 40" Champ™ Membrane Housing – Features a patented design and requires no tools when servicing.
- **Pump:** One 1001 Fluid-O-Tech® 5.3 GPM NSF Approved Brass Rotary Vane Pump – Directly couples to the motor and is designed for continuous high pressures.
- **Motor:** One 3/4 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 20" Big White 5 Micron Polypropylene Filter – Removes sediments and protects the system.
- **Carbon Block:** One 4.5" x 20" Big White 10 Micron Carbon Block – Removes Chlorine, odors and taste.
- **Filter Housing:** Two 4.5" x 20" 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).
- **Concentrate Recirculate:** One 1/4" Brass Needle Valve – This feature offers a higher recovery rate for the system by taking a percentage of the waste water and feeding it back through the system.
- **Flow Meters:** One Product (0-2 GPM) & One Waste (0-5 GPM) PuroTech™ Flow Meter – Enables operator to accurately adjust product to waste ratio and monitor systems performance.
- **Switch:** One Manual On and Off Switch.
- **Easy Maintenance & Operation:** Tethys 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.



## Tethys 300P options and upgrades

Part Number:	Description:
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
200060	Fluid-O-Tech Stainless Steel Rotary Vane Pump Upgrade
200067	ASD Anti-Scaling Device, Catalytic Conditioning Bar 3/4" MNPT Option
200065	RO UltraTec 4" TFC HF4 Extra Low Energy Membrane Upgrade Each
200066	RO UltraTec 4" TFC HF5 Ultra Low Pressure Membrane Upgrade Each
200057	PuroTech 4" Stainless Steel Housing Upgrade Each
200058	PuroTech 4" Fiberglass Housing Upgrade Each
201546	Concentrate Recirculate with PuroTech 0-2 gpm Flow Meter Upgrade

## System Specifications

Model	1800	Part #	200032
Gallons Per Day	1800 @ 77°F	Dimensions (Approx.)	19" x 23" x 46"
Weight (Approx.)	100 lbs.	Concentrate Re-Circulate	Standard
Auto Flush	Optional	Element Size (in.)	HF1-4040
Elements (Qty.)	1	Motor HP	3/4
Voltage	110 or 220	Hertz	50 or 60
Feed Connection	3/4"	Product Connection	3/8"
Waste Connection	3/8"	Recovery	35%*

\* Specifications Can Vary Depending on System Design

## System Operating Specifications

Minimum Feed Pressure	35 psi	Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	3	Maximum Hardness	15 Grains/Gallon
Maximum TDS	2000 ppm	Operating Pressure	150 psi
Nominal NaCl % Rejection	98.5%	Maximum Feed (GPM)	6
pH Range	3 – 11	Maximum Temperature	105° F

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