

# Tethys PRO 10000 Reverse Osmosis System



## Tethys PRO 10000 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 10000 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 10000 Reverse Osmosis System**.



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# Tethys PRO 10000 Reverse Osmosis Systems

## Standard Features:

- **Membrane:** Six 4" x 40" TFC HF1 Membranes – For maximum rejection of impurities and high flow.
- **Membrane Housing:** Six 4" x 40" Champ™ Membrane Housings – Feature a patented design and require no tools when servicing.
- **Pump & Motor:** One Goulds® 3 HP 18 GPM Multistage Pump and Motor 220/380/460 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.
- **Bag Filter:** One 18" FSI® 10 Micron Bag Filter – Removes sediments and protects the system.
- **Sediment Filter:** One 4.5" x 20" Big White 5 Micron Polypropylene Filter – Removes sediments and protects the system.
- **Filter Housing:** One 4.5" x 20" Big Grey Double O-Ring Filter Housing – 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 Top Mount Dry Gauges – For monitoring the system's operating pressure and the filter operating pressure.
- **Low Pressure Switch:** One Square D® Low Pressure Switch – Safety device which protects the pump from running dry when there is insufficient feed water pressures.
- **Solenoid Valve:** One Solenoid Valve with Manual Override UL Approved – Assists with the on/off functionality of the system.
- **Concentrate Valve:** One 3/4" SS Globe Valve – Regulates the system's recovery (product to waste ratio).
- **Computer Controller:** One S-150 Computer Controller (UL listed) with on/off switch, built-in TDS monitor, pre-treat lockout, tank full contacts, low pressure monitoring, and alarm.
- **Flow Meters:** One Product (0-10 GPM) & One Waste (0-10 GPM) PuroTech™ Flow Meters – Enables operator to accurately adjust product to waste ratio and monitor systems performance.
- **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 PRO 10000 options and upgrades

Part Number:	Description:
200042	Auto Flush Option
200048	Concentrate Recirculate with PuroTech 0-10 gpm Flow Meter Option
200055	Square D High Pressure 40-60 Tank Switch Option
200057	PuroTech™ 4" Stainless Steel Housing Upgrade Each
200058	PuroTech™ 4" Fiberglass Housing Upgrade Each
200061	Goulds GBS Stainless Steel Pump Upgrade
200065	RO UltraTec 4" TFC HF4 Extra Low Energy Membrane Upgrade Each
200066	RO UltraTec 4" TFC HF5 Ultra Low Pressure Membrane Upgrade Each
201352	Single System Crate Option

## System Specifications

Model	10000	Part #	200037
Gallons Per Day	10000 @ 77°F	Dimensions (Approx.)	49" x 33" x 54"
Weight (Approx.)	350 lbs.	Concentrate Re-Circulate	Optional
Auto Flush	Optional	Element Size (in.)	HF1-4040
Elements (Qty.)	6	Motor HP	3
Voltage	220/380/460	Hertz	50 or 60
Feed Connection	2"	Product Connection	1"
Waste Connection	1"	Recovery	50 – 75%*

\* Specifications Can Vary Depending on System Design

## System Operating Specifications

Minimum Feed Pressure	35 psi	Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	14	Maximum Hardness	15 Grains/Gallon
Maximum TDS	2000 ppm	Operating Pressure	150 psi
Nominal NaCl % Rejection	98.5%	Maximum Feed (GPM)	30
pH Range	3 – 11	Maximum Temperature	105° F

DISTRIBUTED BY:



35 Westbrook Industrial Park  
Westbrook, CT 06498  
1-800-989-1111  
www.Purfx.com