

# Tethys PRO 5000 Reverse Osmosis System



## Tethys PRO 5000 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 5000 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 5000 Reverse Osmosis System**.



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# Tethys PRO 5000 Reverse Osmosis Systems

## Standard Features:

- **Membrane:** Three 4" x 40" TFC HF1 Membranes – For maximum rejection of impurities and high flow.
- **Membrane Housing:** Three 4" x 40" Champ™ Membrane Housings – Feature a patented design and require no tools when servicing.
- **Pump & Motor:** One Goulds® 1.5 HP Multistage Pump and Motor 110/220/380/460 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.
- **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.
- **Sediment Filter:** One 4.5" x 20" Big White 1 Micron Polypropylene Filter – Removes sediments and protects the system down to 1 micron.
- **Filter Housing:** Three 4.5" x 20" Big Grey Double O-Ring Filter Housings – Offers durability and improved sealing capabilities.
- **Pressure Gauges:** Two 2.5" PuroTech™ 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 & 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.
- **Concentrate Valve:** One 1/2" PuroTech™ Stainless Steel Needle Valve – Regulates the system's recovery (product to waste ratio).
- **Computer Controller:** One Minitrol® Computer Controller (UL listed) with on/off switch, 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.
- **TDS Meter:** One Panel Mount TDS Meter – Provides you with accurate readings of the product water quality.
- **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 5000 options and upgrades

Part Number:	Description:
201343	Minitrol IF Computer with Auto Flush Upgrade Each
200046	Concentrate Recirculate Option
200047	Concentrate Recirculate with PuroTech 0-5 gpm Flow Meter Option
200054	HM Digital Panel Mount Dual TDS Meter PS-200 Upgrade
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
201344	S-150 Computer Controller 110 or 220 Volt 1 Phase Upgrade
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
200068	ASD Anti-Scaling Device, Catalytic Conditioning Bar 1" MNPT Option
201350	Single System Crate Option
201351	Double System Crate Option

## System Specifications

Model	5000	Part #	200035
Gallons Per Day	5000 @ 77°F	Dimensions (Approx.)	30" x 38" x 47"
Weight (Approx.)	250 lbs.	Concentrate Re-Circulate	Optional
Auto Flush	Optional	Elements (Qty.)	3
Element Size (in.)	HF1-4040	Voltage	110/220/380/460
Motor HP	1.5	Feed Connection	3/4"
Hertz	50 or 60	Waste Connection	1"
Product Connection	1"	Recovery	50%*

\* Specifications Can Vary Depending on System Design

## System Operating Specifications

Minimum Feed Pressure	35 psi	Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	7	Maximum Hardness	15 Grains/Gallon
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

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