

Tethys PRO 40000 Reverse Osmosis System



Tethys PRO 40000 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 40000 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 40000 Reverse Osmosis System.

PURfx

Tethys PRO 40000 Reverse Osmosis Systems

Standard Features:

- **Membrane:** Twenty Four 4" x 40" TFC HF1 Membranes – For maximum rejection of impurities and high flow.
- **Membrane Housing:** Twenty 4" x 80" Champ™ Membrane Housings – Feature a patented design and require no tools when servicing.
- **Pump & Motor:** One Grundfos® 7.5* HP Vertical Multistage Stainless Steel Pump and Motor 220/380/460 50 or 60 Hertz 3 Phase – Designed for continuous high pressures.
- **Frame:** One Aluminum White Powder Coated Frame – Corrosion resistant and light weight.
- **Bag Filter:** One 32" Rosedale 10 Micron Bag Filter – Removes sediments and protects the system.
- **Filter Housing:** One 316L Stainless Steel Multi-Cartridge Filter Housing – Corrosion resistant and easy serviceable design.
- **Sediment Filter:** Five 2.5" x 40" Slim Line 5 Micron Polypropylene Filters – Remove sediments and protects the system.
- **Chemical Injection:** Two Pulsafeeder® ChemTech 30 GPD Chemical Feed Pumps and Two 35 Gallon Polypropylene Holding Tanks – Enables the injection of pretreatment chemicals.
- **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 pressures.
- **Low Pressure Switch:** One Square D® Low Pressure Switch – Safety device to protect the pump from running dry when there is insufficient feed water pressure.
- **Solenoid Valve:** One Solenoid Valve with Manual Override – Assists with the on/off functionality of the system.
- **Computer Controller:** One Rotrol II Computer Controller with built-in TDS monitor, pre-treat lockout, tank full contacts, low pressure monitoring, digital flow – Product and waste, hour monitor and alarm.
- **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 40000 options and upgrades

Part Number:	Description:
200055	Square D High Pressure 40-60 Tank Switch Option
200059	PuroTech™ 4080 Fiberglass Housing Upgrade Each
200065	RO UltraTec 4" TFC HF4 Extra Low Energy Membrane Upgrade Each
200066	RO UltraTec 4" TFC HF5 Ultra Low Pressure Membrane Upgrade Each
201480	Concentrate Recirculate with Digital Flow Meter Option
201481	Auto Flush Option

System Specifications

Model	40000	Part #	200041
Gallons Per Day	40000 @ 77°F	Dimensions (Approx.)	43" x 134" x 81"
Weight (Approx.)	1500 lbs.	Concentrate Re-Circulate	Optional
Auto Flush	Optional	Element Size (in.)	HF1-4040
Elements (Qty.)	24	Motor HP	7.5*
Voltage	220/380/460	Hertz	50 or 60
Feed Connection	2"	Product Connection	1.5"
Waste Connection	1.5"	Recovery *	

* Specifications Can Vary Depending on System Design

System Operating Specifications

Minimum Feed Pressure	35 psi	Minimum NaCl % Rejection	96%
Minimum Feed (GPM)	55	Maximum Hardness	15 Grains/Gallon
Maximum TDS	2000 ppm	Operating Pressure	150 psi
Nominal NaCl % Rejection	98.5%	Maximum Feed (GPM)	50
pH Range	3 – 11	Maximum Temperature	105° F

DISTRIBUTED BY:



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