

Reverse Osmosis System

Model: WHS
gpd: 1,800 to 12,000gpd

Turnkey

Rolls into place
Minimal installation

Great for:
Water Stores
Whole-House
Commercial



STANDARD FEATURES:

- ✓ Microprocessor control panel
- ✓ 1.5 cu.ft. twin tank water softener w/auto backwash
- ✓ 1.5 cu.ft. carbon filter w/auto backwash
- ✓ 5 micron pre-filter
- ✓ Stainless steel multi-stage pump
- ✓ Stainless steel membrane vessel
- ✓ Stainless steel adjustable waste/recycle needle valves
- ✓ Product/waste flow meters
- ✓ 1HP s. s. repressurization
- ✓ TDS blending valve
- ✓ Pre and post-filter gauges
- ✓ System PSI gauge
- ✓ Repressurization pressure gauge
- ✓ Stainless steel 24gpm UV sterilizer
- ✓ 1" POU connection
- ✓ Powder-coated steel frame w/casters
- ✓ 300 gallon water storage tank
- ✓ Up to 60% feed flow recovery rate

Substitute membrane and achieve specific results:

LOW ENERGY = Higher Production,
Lower System Pressure,
Lower Cost Per GPD

NANOFILTRATION = Higher
Recovery Rates, Energy Efficient,
Removes 98% Hardness
up to 85% TDS

Water Store
and
Water Filtration Products

1-800-791-8657



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STANDARD ELECTRICAL CONTROLS:

- ✓ Menu system with keypad
- ✓ Product water TDS monitoring
- ✓ Manual start override on tank full condition
- ✓ Feed water temperature
- ✓ Low voltage level control
- ✓ Audible low pressure alarm
- ✓ Hour Meter ✓ Low pressure switch
- ✓ System ON/OFF ✓ Time delay start
- ✓ Low pressure bypass delay

Electrical controls options:

- Hourly and Manual Flush
- Pre-treat Lock-out, Permeate Purge
- Product Diversion
- Feed water TDS monitoring
- Hi-pressure cut-off with manual restart

POWER REQUIREMENT:

1. 220V/60hz, 17 amp single phase
2. 120v/60hz, 5 amp

Optional features:

- ▶ Super-Hi-Flow, low energy membrane
- ▶ Nanofiltration membrane
- ▶ Recycle flow meter
- ▶ 20" BB Carbon Block post-filter
- ▶ Recycle flow meter
- ▶ 3-phase motor with IEC motor contactor
- ▶ 50hz voltage
- ▶ Export crate

** S = Energy-saving, low-energy membrane. Operating pressure is reduced to 100-150psi, allowing smaller pump/motor.

More energy efficient than standard models. Higher production rates.

FEED WATER PARAMETERS:

●Temperature 85° F maximum ●Pressure 40 - 80 psi maximum ●TDS 2000 ppm maximum. If higher, consult factory ●Iron tolerance 0.5 ppm maximum ●Hydrogen sulfide must be removed ●Silica tolerance can not be higher than 125 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm. ●Turbidity should be removed ●Hardness must be removed. OPERATING PARAMETERS: ●Operating pressure 200 psi maximum ●Water recovery up to 60% and is field adjusted by customer. It is not recommended that the recovery be set higher than 50%. Only under certain conditions can the recovery be set higher. ●pH range 3 - 11 ●Flow rates are determined by the membrane mfg's. testing criteria of 1500 ppm NaCl solution, 77° F water temperature, 225 psi at 10-15% recovery. Typical membrane salt rejection is 95-99%. *Actual flow rates may vary depending on the pre-treatment used, water conditions, feed water temperature and applied pressure, etc.

MODEL	GPD	MEMBRANE SIZE / Qty	PIPING			DIMENSIONS weight lbs.
			inlet	waste	prod	
WHS-1 ** WHS-1S	1,800~2,000 2,000 +	4" x 40" qty. 1	3/4"	1/2"	1/2"	56"L x 34" x 66"H 750 lbs.
WHS-2 ** WHS-2S	3,600~4,000 4,000 +	4" x 40" qty. 2	3/4"	1/2"	1/2"	56"L x 34" x 66"H 782 lbs.
WHS-3 ** WHS-3S	4,800~5,600 5,000 +	4" x 40" qty. 3	3/4"	1/2"	1/2"	56"L x 34" x 66"H 810 lbs.
WHS-4 ** WHS-4S	6,300~7,200 7,000 +	4" x 40" qty. 4	3/4"	1/2"	1/2"	56"L x 34" x 66"H 852 lbs.
WHS-5 ** WHS-5S	8,000~9,000 9,000 +	4" x 40" qty. 5	3/4"	1/2"	1/2"	56"L x 34" x 66"H 883 lbs.
WHS-6 ** WHS-6S	9,500~10,800 10,000 +	4" x 40" qty. 6	3/4"	1/2"	1/2"	56"L x 34" x 66"H 910 lbs.



Aqua Blue

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