

## *Reverse Osmosis MODEL: Whole-House*

### **STANDARD FEATURES:**

- ✓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
- ✓Thin Film Composite membrane
- ✓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 ultraviolet water sterilizer
- ✓Powder-coated steel frame w/casters
- ✓300 gallon water storage tank
- ✓Up to 60% feed flow recovery rate



### **STANDARD ELECTRICAL CONTROLS:**

Off/On switch — TDS monitor  
 Motor contactor — Time delay — Fused power  
 System control switch — Off delay  
 Low pressure switch — Low press. off delay  
 Dual level controller (R.O.) — NEMA 4 fiberglass enclosure

#### **STATUS LAMPS:**

power, running, low pressure, tank full

#### **POWER REQUIRED:**

1. 220v/ 60hz, 17 amp, 1Ø and
2. 120v / 60hz, 5 amp,

### **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'r'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.

**\* Increase GPD at low cost, ask about "shf" membrane**

MODEL	*GPD	MEMBRANE SIZE andQTY	MOTOR	DIMENSIONS
WHS-1	1,800 ~ 2,000	4" x 40" 1 ea.	1.5 HP	56"L x 34" x 66"H 750 lbs.

~~ LARGER SIZES (from 3,600 to 10,800)AVAILABLE ~~

**Manufactured by:**  


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rev 10-2007