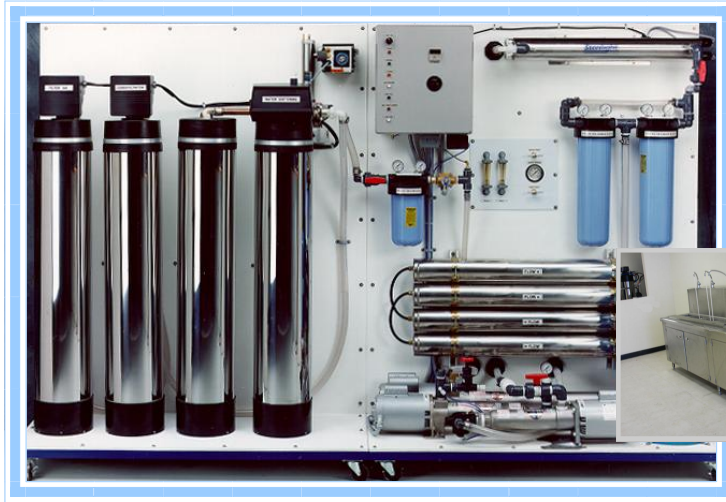


Reverse Osmosis MODEL: Filtration Station (Water Store)

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
- ✓Adjstbl. waste/recycle needle valves
- ✓Product/waste flow meters
- ✓1HP s. s. repressurization
- ✓Two 20" GAC carbon block post-filters
- ✓Pre and post-filter gauges
- ✓System PSI gauge
- ✓Stainless steel 24gpm ultraviolet water sterilizer
- ✓Stainless steel pre-treatment jackets
- ✓Marine-grade back panels
- ✓Powder-coated steel frame w/casters
- ✓Two 300 gallon water storage tanks w/adaptors
- ✓Up to 60% feed flow recovery rate



Stainless steel table, optional

STANDARD ELECTRICAL CONTROLS:

Off/On switch — Automatic hourly flush — Fused power — Motor contactors — Time delay
 TDS monitor — UV light switch — System control switch — Repress. Switch
 Low pressure switch — Hour meter — Pre-treat lock-out — Off delay — Low press. off delay
 Dual level controller (R.O.) — Dual level controller (repressurization)

STATUS LAMPS: power, running, flushing, low pressure, tank full, pre-treat lock-out, low level

POWER REQUIRED: 220v/ 60hz, 30 amp, 1Ø or 220v / 60hz, 15 amp, 3Ø

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 mfr'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 and QTY	MOTOR	DIMENSIONS
FS-1	1,800 ~ 2,000	4" x 40" 1 ea.	1.5 HP	108"L x 31" x 66"H 1,200 lbs.
FS-2	3,600 ~ 4,000	4" x 40" 2 ea.	2 HP	108"L x 31" x 66"H 1,200 lbs.
FS-3	4,800 ~ 5,600	4" x 40" 3 ea.	2 HP	108"L x 31" x 66"H 1,200 lbs.
FS-4	6,300 ~ 7,200	4" x 40" 4 ea.	3 HP	108"L x 31" x 66"H 1,200 lbs.

Manufactured by:

R.O. SYSTEMS
 INTERNATIONAL INC.

Phone: 951-940-4300 Fax: 951-346-3904
 Toll-free: 800-477-6464

E-Mail: info@rosystemsinternational.com
www.rosystemsinternational.com



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