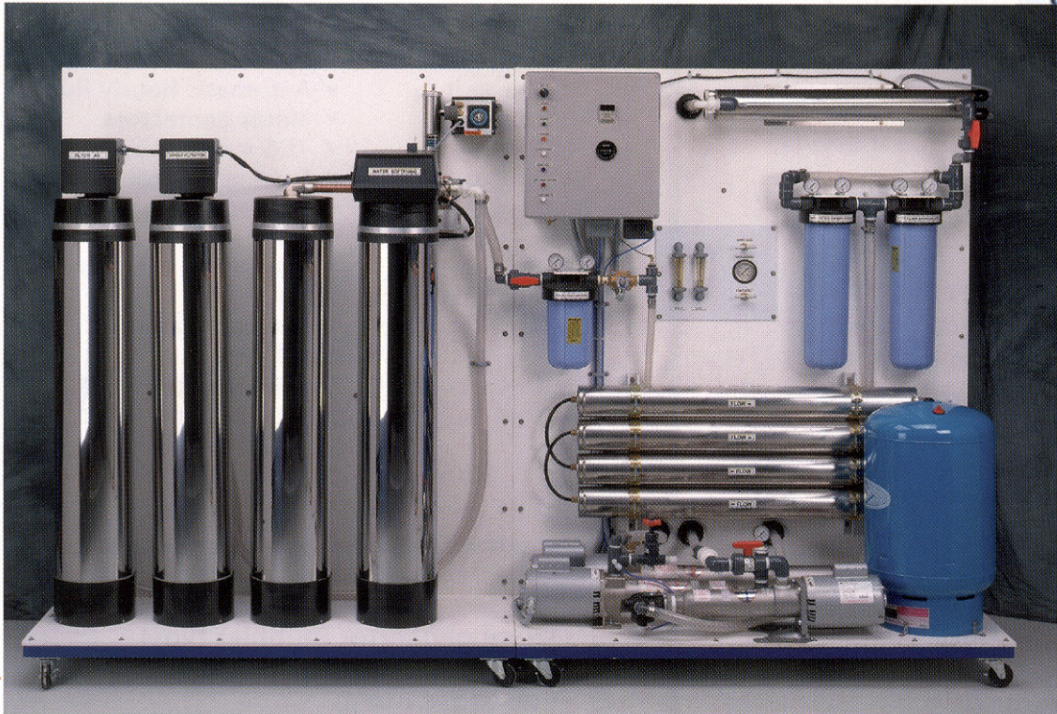


# Commercial Reverse Osmosis Equipment Model: Filtration Station



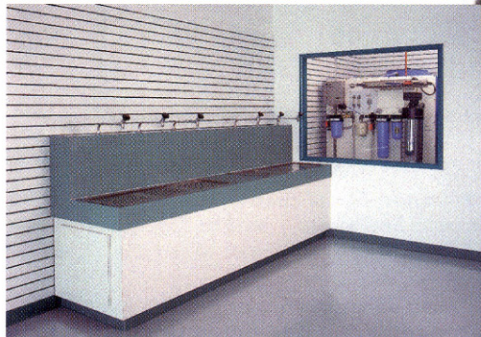
## Skid #1 Contains:

Pre-treatment equipment which includes water softener and carbon filtration.

## Skid #2 Contains:

- System control package
- R.O. system
- High pressure pump/motor
- Stainless steel repressurization pump with 10 gallon pressure tank
- Parallel carbon block post-filters
- Ultra violet water sterilization (Ozone optional)

The Filtration Station is pre-plumbed and pre-wired to minimize installation time. 600 gallons of product water storage, tank adaptors, and fittings are also included.



Also available: Fill table which includes stainless steel overflow drains and chrome-plated dispensing faucets. You choose from a wide variety of colors available in Formica coverings.

Fills available: 2, 3, 4, 6, or 8 fills



Output Production: 1,500 gpd up to 7,200 gpd

FILTRATION STATION

# FILTRATION STATION

GPD: 1,500 - 7,200

## 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
- ✓ PVC membrane housing
- ✓ Adjstbl. waste/recycle needle valves
- ✓ Product/waste flow meters
- ✓ 1HP s. s. repressurization pump w/10 gallon pressure tank
- ✓ 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 polyethylene storage tanks w/adaptors

## STANDARD ELECTRICAL CONTROLS:

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

### 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

## OPTIONS:

- Ozone generator (bubbler type)
- Ozone generator (corona discharge)
- Feed water pump
- Back washing media pre-filter
- Gallon meter
- Stainless steel needle valves
- Stainless steel membrane housing
- 50 hz electrical
- Shipping crate

## 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. Actual flow rates may vary depending on the pre-treatment used, water conditions, system size, membrane array and applied pressure.

MODEL	GPD (minimum)	MEMBRANE SIZE and QTY	MOTOR	DIMENSIONS
FS-1	1,500 - 2,000	4" x 40" 1 ea.	1 HP	110"L x 31" x 66"H 1,800 lbs.
FS-2	3,000 - 4,000	4" x 40" 2 ea.	2 HP	110"L x 31" x 66"H 1,800 lbs.
FS-3	4,500 - 6,000	4" x 40" 3 ea.	2 HP	110"L x 31" x 66"H 1,800 lbs.
FS-4	6,000 - 8,000	4" x 40" 4 ea.	3 HP	110"L x 31" x 66"H 1,800 lbs.

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