

STANDARD FEATURES:

- ✓ High efficiency TFC membrane
- ✓ Stainless steel membrane vessel
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Throttle Valve
- ✓ SS Repressurization pump
- ✓ Repressurization pressure gauge
- ✓ Blending Valve
- ✓ Pretreatment Lock-Out
- ✓ Liquid-filled system pressure gauge and inlet/outlet pre-filter gauges
- ✓ Adjstbl SS Waste/Recycle needle valves
- ✓ Product, Waste, Recycle Flow Meters
- ✓ Float switch for open storage tank
- ✓ SS Feed water inlet solenoid valve
- ✓ Feed water low pressure switch
- ✓ 20" BB 5 micron sediment pre-filter
- ✓ Casters with brake

ADD-ONS BASED UPON FEED WATER CONDITIONS:

Water Softener
Carbon Filter
Filter Ag
Enpress Filter

Options:

- ▶ Auto hourly flush
- ▶ Permeate purge
- ▶ Feed water TDS monitor
- ▶ Product diversion
- ▶ Hi-pressure cut-off
- ▶ Ultra Violet Sterilization
- ▶ Ozone system for tank
- ▶ Electrical outlet for anti-scalant pump
- ▶ 50hz motor
- ▶ 3ph motor w/IEC motor contactor w/overload relay



Model shown: STG-4S



MICROPROCESSOR CONTROLLER :

- ✓ 4-line LCD display
- ✓ Keypad
- ✓ Menu system
- ✓ Tank full
- ✓ Time delay start
- ✓ System On/Off
- ✓ Low pressure
- ✓ Hour meter
- ✓ TDS monitor
- ✓ Permeate Temperature display

Requires **TWO SEPARATE CIRCUITS:**
110v & 110v or 220v & 110v

MODEL	* GPD	Recommend for feed TDS up to:	Membrane 4" x 40" Qty.	Motor	Operating Pressure PSI	110v-60hz AMPS	208/230v-60hz-1ph AMPS	RECOVERY RATE % * UP to:	PIPING inlet waste prod **	DIMENSIONS weight lbs. (w/o pre-treatment)
STG-1S STG-1	1,800+ 1,600+	2,000 ppm 4,000 ppm	1 LE 1 BW	1hp 1.5hp	150 200	11.6 15.2	6.5 / 5.8 8.4 / 7.6	70%	3/4" FPT 1/2" FPT 1/2" FPT	57" x 36" x 66" 376/378 LB
STG-2S STG-2	3,600+ 3,200+	2,000 ppm 4,000 ppm	2 LE 2 BW	1hp 1.5hp	150 200	11.6 15.2	6.5 / 5.8 8.4 / 7.6	70%	3/4" FPT 1/2" FPT 1/2" FPT	57" x 36" x 66" 395/397 LB
STG-3S STG-3	5,400+ 4,800+	2,000 ppm 4,000 ppm	3 LE 3 BW	1hp 2hp	150 200	11.6 20.1	6.5 / 5.8 11.1 / 10.0	70%	3/4" FPT 1/2" FPT 1/2" FPT	57" x 36" x 66" 415/424 LB
STG-4S STG-4	7,200+ 6,400+	2,000 ppm 4,000 ppm	4 LE 4 BW	2hp 3hp	150 200	20.1 n/a	11.1 / 10.0 14.6	70%	3/4" FPT 1/2" FPT 1/2" FPT	68" x 36" x 66" 455/464 LB
STG-5S STG-5	9,000+ 8,000+	2,000 ppm 4,000 ppm	4 LE 4 BW	2hp 3hp	150 200	20.1 n/a	11.1 / 10.0 14.6	70%	3/4" FPT 1/2" FPT 1/2" FPT	68" x 36" x 66" 474/483 LB
STG-6S STG-6	10,800+ 9,600+	2,000 ppm 4,000 ppm	4 LE 4 BW	2hp 3hp	150 200	20.1 n/a	11.1 / 10.0 14.6	70%	3/4" FPT 1/2" FPT 1/2" FPT	68" x 36" x 66" 493/502 LB

* GPD/24 hr = System flow rate and membrane performance vary depending upon customer's pre-treatment used, feed water conditions, feed temperature, applied pressure and membrane type.

OPERATING PARAMETERS: Water recovery rate is field adjusted by customer. It is not recommended that the recovery be set higher than 70%. 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. Typical membrane salt rejection is 95—99%.
FEED WATER PARAMETERS: Feed temperature 85° F maximum. Feed pressure 40 psi min to 80 psi maximum. Iron tolerance 0.5 ppm maximum. Hydrogen sulfide must be removed. Silica tolerance can not be higher than 100 ppm in the concentrate stream. Antiscalant should be considered for any levels over 75 ppm. Turbidity should be removed. Hardness and Chlorine must be removed.

Manufactured by:

R.O. SYSTEMS INTERNATIONAL, INC.
Phone: 951-940-4300 Fax: 951-346-3904



Rev. 09-2025

sales@rosystemsinternational.com
www.rosystemsinternational.com