



Reverse Osmosis System - 1,600gpd to 7,200+gpd model: Skid-To-Go (STG)

STANDARD FEATURES:

- ✓ High efficiency TFC membrane
- ✓ Stainless steel membrane vessel
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ TEFC motor
- ✓ Throttle Valve
- ✓ 3/4hp stainless steel repressurization
- ✓ 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	Feed TDS 2,000 BELOW ABOVE	Membrane 4" x 40" Qty.	TEFC motor	Operating Pressure PSI	110v- 60hz AMPS	208/230v- 60hz-1ph AMPS	RECOVERY RATE % * UP to:	PIPING inlet waste prod	DIMENSIONS weight lbs.
STG-1S STG-1	1,800+ 1,600+	✓ ✓	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	56" x 34" x 66" 750 LB
STG-2S STG-2	3,600+ 3,170+	✓ ✓	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	66" x 34" x 66" 782 LB
STG-3S STG-3	5,400+ 4,750+	✓ ✓	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	66" x 34" x 66" 810 LB
STG-4S STG-4	7,200+ 6,340+	✓ ✓	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	66" x 34" x 66" 852 LB

OPERATING PARAMETERS: Water recovery up to 70% and 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's. testing criteria of 1500 ppm NaCl solution, 77°F water temperature. Typical membrane salt rejection is 95—99%. *Actual flow rates vary depending on the pre-treatment used, water conditions, feed water temperature, applied pressure and membrane type. Review of feed water analysis report will determine system design, estimated production rate and *recovery rate.

FEED WATER PARAMETERS: Feed temperature 85° F maximum. Feed pressure 40 - 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.



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