

STANDARD FEATURES:

- ✓ Reverse Osmosis membrane
- ✓ Twin tank water softener w/auto backwash
- ✓ Carbon filter w/auto backwash
- ✓ 24gpm ultraviolet water sterilizer, s.s.
- ✓ 1hp s.s. repressurization
- ✓ Powder-coated steel frame
- ✓ Stainless steel multi-stage pump
- ✓ Stainless steel membrane vessel
- ✓ Liquid-filled high pressure gauge and inlet/outlet pre-filter gauges
- ✓ Repressurization pressure gauge
- ✓ Feed water inlet solenoid valve
- ✓ Adjstbl. Waste/Recycle ss needle valves
- ✓ Product/Waste flow meters
- ✓ 20" 5 micron BB pre-filter
- ✓ 300 gallon water storage tank



STANDARD ELECTRICAL CONTROLS :

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

Optional FEATURES:

- ▶ Recycle flow meter
- ▶ Throttle valve
- ▶ 20" BB post-filter
- ▶ Auto hourly flush
- ▶ Feed TDS monitor
- ▶ Pre-treatment lock-out
- ▶ Permeate purge
- ▶ TDS blending valve
- ▶ Hi-pressure cut-off
- ▶ 3phase motor w/IEC
- ▶ 50hz motor

MODEL	*GPD	Membrane	motor	Operating pressure	110v-60hz AMPS	220v-60hz-1ph AMPS	RECOVERY RATE	PIPING inlet waste prod	DIMENSIONS weight lbs.
STG-1S STG-1	1,800+ 1,600+	4" x 40" 4" x 40"	.75hp 1.5hp	150psi 200psi	11.6 20.0	5.8 10.4	50-70%	3/4" 1/2" 1/2" FPT FPT FPT	56" x 34" x 66" 750 lb
STG-2S STG-2	3,600+ 3,170+	4" x 40" 4" x 40"	.75hp 1.5hp	150psi 200psi	11.6 20.0	5.8 10.4	50-70%	3/4" 1/2" 1/2" FPT FPT FPT	66" x 34" x 66" 782 lb
STG-3S STG-3	5,400+ 4,750+	4" x 40" 4" x 40"	.75hp 1.5hp	150psi 200psi	11.6 20.0	5.8 10.4	50-70%	3/4" 1/2" 1/2" FPT FPT FPT	66" x 34" x 66" 810 lb
STG-4S STG-4	7,200+ 6,340+	4" x 40" 4" x 40"	2hp 3hp	150psi 200psi	19.2 n/a	9.8 13	50-70%	3/4" 1/2" 1/2" FPT FPT FPT	66" x 34" x 66" 852 lb

***FEED WATER PARAMETERS** ♦Temperature 85° F maximum ♦Pressure 40 - 80 psi maximum ♦TDS 2000-5000ppm (consult Dealer for specific model). ♦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 must be removed. **OPERATING PARAMETERS:** ♦Operating pressure range from 150-200 psi maximum ♦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'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 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 and estimated production rate.