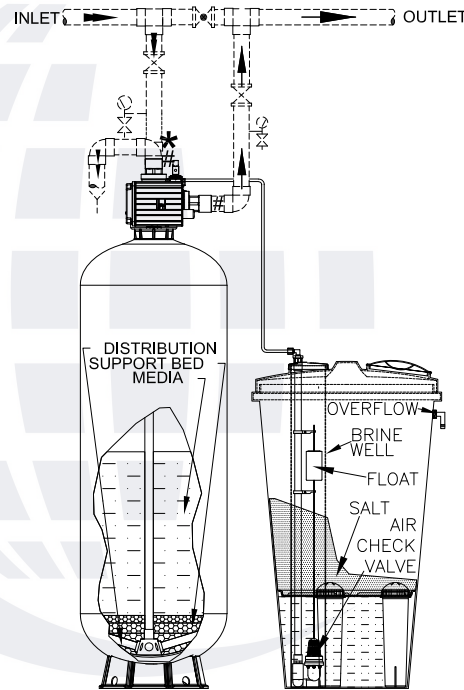


Model (Single)	Capacity		Resin		Salt Usage		Critical Flow USGPM	105			Max Flow To Drain USGPM	Dimensions		Installation			Shipping Weight lbs	Operating Weight lbs
	@6 lbs/ft3	ft3	@6 lbs/ft3	@10 lbs/ft3	@ 15 PSI	@ 25 PSI		Mineral Tank	Brine Tank	Height		Depth	Width					
	@10 lbs/ft3	m3	lbs	lbs	l/s	l/s		in	in	in		in	in					
105STS 120 -2"	88,000	4	24	40	20	39	56	7	16 x 65	24 x 37	85	31	50	430	1,730			
	108,000	0.11	10.89	18.1	1.26	2.46	3.53	0.44	403 x 1651	610 x 940	2,159	787	1,270	195	785			
105STS 150 -2"	110,000	5	30	50	25	43	61	9	18 x 65	24 x 37	87	32	52	501	1,901			
	135,000	0.14	13.61	22.7	1.58	2.71	3.85	0.57	475 x 1651	610 x 940	2,210	813	1,321	227	863			
105STS 180 -2"	132,000	6	36	60	30	47	68	12	21 x 62	29 x 50	87	36	60	623	2,723			
	162,000	0.17	16.33	27.2	1.89	2.97	4.29	0.76	533 x 1575	740 x 1275	2,210	914	1,524	283	1,235			
105STS 210 -2"	154,000	7	42	70	35	46	66	12	21 x 62	29 x 50	87	36	60	679	2,779			
	189,000	0.20	19.06	31.8	2.21	2.90	4.16	0.76	533 x 1575	740 x 1275	2,210	914	1,524	308	1,261			
105STS 240 -2"	176,000	8	48	80	40	50	71	15	24 x 72	33 x 53	95	40	67	811	3,711			
	216,000	0.23	21.78	36.3	2.52	3.15	4.48	0.95	610 x 1829	840 x 1335	2,413	1,016	1,702	368	1,684			
105STS 270 -2"	198,000	9	54	90	45	49	70	15	24 x 72	33 x 53	95	40	67	866	3,766			
	243,000	0.25	24.50	40.8	2.84	3.09	4.42	0.95	610 x 1829	840 x 1335	2,413	1,016	1,702	393	1,709			
105STS 300 -2"	220,000	10	60	100	48	48	69	15	24 x 72	33 x 53	95	40	67	922	3,822			
	270,000	0.28	27.22	45.4	3.03	3.03	4.35	0.95	610 x 1829	840 x 1335	2,413	1,016	1,702	418	1,734			
105STS 360 -2"	264,000	12	72	120	50	54	76	25	30 x 72	33 x 53	100	40	74	1,065	4,465			
	324,000	0.34	32.67	54.4	3.15	3.41	4.79	1.58	762 x 1829	840 x 1335	2,540	1,016	1,880	483	2,026			
105STS 390 -2"	286,000	13	78	130	54	54	76	25	30 x 72	38 x 55	100	44	78	1,179	5,479			
	351,000	0.37	35.39	59.0	3.41	3.41	4.79	1.58	762 x 1829	965 x 1397	2,540	1,118	1,981	535	2,486			
105STS 450 -2"	330,000	15	90	150	52	52	75	25	30 x 72	38 x 55	100	44	78	1,291	5,591			
	405,000	0.42	40.83	68.1	3.28	3.28	4.73	1.58	762 x 1829	965 x 1397	2,540	1,118	1,981	586	2,537			

**LEGEND:**

- ✕ ISOLATION VALVE
- ⌘ BYPASS VALVE
- ⊕ PRESSURE GAUGE & SAMPLE POINT
- ↓ OPEN DRAIN
- ⊔ DIAPHRAGM VALVE
- \* VACUUM BREAKER
- # FLEX CONNECTORS
- ▶ RAW WATER LINES
- ▶ FILTERED/SOFTENED WATER
- ▶ TREATED WATER LINES
- ⊞ ELECTRIC BALL VALVE



RAW WATER REGENERATION PIPING SHOWN

**NOTES:**

- SOFTENER(S) EQUIPPED WITH A 105 SERIES ELECTRONIC CONTROL VALVE.
- 2" OR 1.5" NPT CONNECTIONS ARE INTERCHANGEABLE. STANDARD CONNECTION SIZE USED VARIES WITH SOFTENER SIZE (SEE ABOVE TABLE).
- REQUIRES 120 VOLT, 1 PHASE, 60 Hz ELECTRICAL POWER.
- ALL EXTERNAL PIPING, FITTINGS, INTERCONNECTING PIPING, ISOLATION & SAMPLE VALVES AND GAUGES SHOWN BY BROKEN LINES ARE BY OTHERS TANKS AND MEDIA ARE NSF APPROVED.
- RECOMMENDED MINIMUM SYSTEM PRESSURE IS 207 kPa (30 PSI) & MAXIMUM SYSTEM PRESSURE IS 690 kPa (100 PSI). MAXIMUM TEMPERATURE IS 38°C (100°F).
- TRIPOD TANKS TO BE SECURELY ATTACHED TO THE FLOOR.
- MAX FLOW TO DRAIN" IS BASED ON WATER TEMPERATURES OF 4°C (40°F).
- FLOOR DRAINS MUST BE SIZED TO CARRY THE MAXIMUM LISTED FLOW TO DRAIN.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR FURTHER DETAILS.
- SYSTEM MUST BE INSTALLED TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL CODES.
- MINIMUM FREE SPACE OF 152 mm (6") REQUIRED ABOVE VALVE.
- DUE TO SLIGHT EXPANSION AND CONTRACTION OF MINERAL TANKS, PIPING MUST BE DESIGNED TO ALLOW SOME MOVEMENT AS WELL AS PROTECTED FROM VACUUM. FLEX CONNECTORS AND A VACUUM BREAKER MAY BE REQUIRED.
- IF USING SYSTEM TREATED WATER REGENERATION, THE BALL VALVE MUST BE INSTALLED ON THE INLET INSTEAD OF THE OUTLET.
- NOTE: IF NEGATIVE PRESSURE EXCEEDS 5" HG (17 kPa), AN ADEQUATE VACUUM BREAKER MUST BE PROPERLY INSTALLED. FAILURE TO INSTALL FLEX CONNECTION PROPERLY, OR IMPROPER INSTALLATION OF A VACUUM BREAKER WHEN REQUIRED, WILL VOID THE WARRANTY.

MODEL: 105 STS 300 -2" S4000

**105 STS SINGLE SOFTENER**

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Project:	Date: 02/21/2024	Rev
	Dwg# 105 STS 2"S	