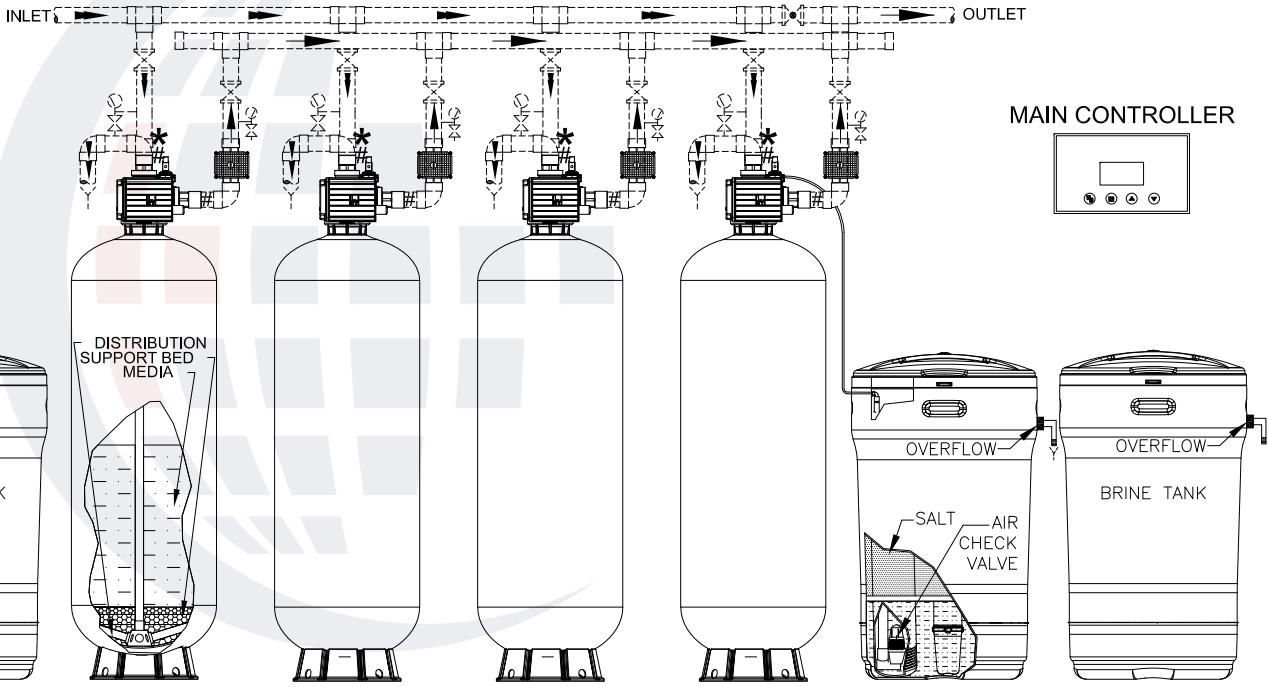


105 VALVE CONNECTIONS

Model (Quadplex)	Capacity		Resin		Salt Usage		Critical Flow	105			Dimensions		Installation			Shipping Weight	Operating Weight
	@6 lbs/ft3	ft3	@6 lbs/ft3	@10 lbs/ft3		@15 PSI		@25 PSI	Max Flow To Drain	Mineral Tank	Brine Tank	Height	Depth	Width			
	@10 lbs/ft3	m3	lbs	lbs	USGPM	USGPM	USGPM	USGPM	in	in	in	in	in	in	in	in	
			kg	kg	l/s	l/s	l/s	l/s	mm	mm	mm	mm	mm	mm	mm	mm	mm
105MTS 120 -2"	88,000	4	24	40	20	39	56	7	16 x 65	24 x 37	85	31	191	1,718	6,918		
	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	4,851	780	3,139		
105MTS 150 -2"	110,000	5	30	50	25	43	61	9	18 x 65	24 x 37	87	32	199	2,004	7,604		
	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	5,055	909	3,450		
105MTS 180 -2"	132,000	6	36	60	30	47	68	12	21 x 62	29 x 50	87	36	231	2,491	10,891		
	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	5,867	1,130	4,942		
105MTS 210 -2"	154,000	7	42	70	35	46	66	12	21 x 62	29 x 50	87	36	231	2,714	11,114		
	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	5,867	1,231	5,043		
105MTS 240 -2"	176,000	8	48	80	40	50	71	15	24 x 72	33 x 53	95	40	259	3,243	14,843		
	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	6,579	1,472	6,735		
105MTS 270 -2"	198,000	9	54	90	45	49	70	15	24 x 72	33 x 53	95	40	259	3,466	15,066		
	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	6,579	1,573	6,836		
105MTS 300 -2"	220,000	10	60	100	48	48	69	15	24 x 72	33 x 53	95	40	259	3,688	15,288		
	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	6,579	1,674	6,937		
105MTS 360 -2"	264,000	12	72	120	50	54	76	25	30 x 72	33 x 53	100	40	287	4,260	17,860		
	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	7,290	1,933	8,103		
105MTS 390 -2"	286,000	13	78	130	54	54	76	25	30 x 72	38 x 55	100	44	303	4,717	21,917		
	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	7,696	2,140	9,944		
105MTS 450 -2"	330,000	15	90	150	52	52	75	25	30 x 72	38 x 55	100	44	303	5,163	22,363		
	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	7,696	2,342	10,146		

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.
- MULTI-TANK SYSTEMS (MTS):
 - ALL MTS ARE CONTROLLED BY ONE CENTRAL CONTROLLER.
 - SOFTENERS ARE METER INITIATED, RESPONSIVE FLOW SYSTEMS. UNITS ARE AUTOMATICALLY BROUGHT ON-LINE BASED ON TOTAL SYSTEM FLOW RATE.
 - SOFTENERS ARE INTERLOCKED SO ONLY ONE UNIT CAN REGENERATE AT A TIME.
 - BRINE LINES TEED TO ACCOMMODATE SINGLE BRINE TANK ASSEMBLY

MODEL: 105 MTS 210 -2" Q8000

105 MTS QUADPLEX SOFTENER		
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Project:	Date: 02/21/2024	Rev
	Dwg# 105 MTS 2"Q	

