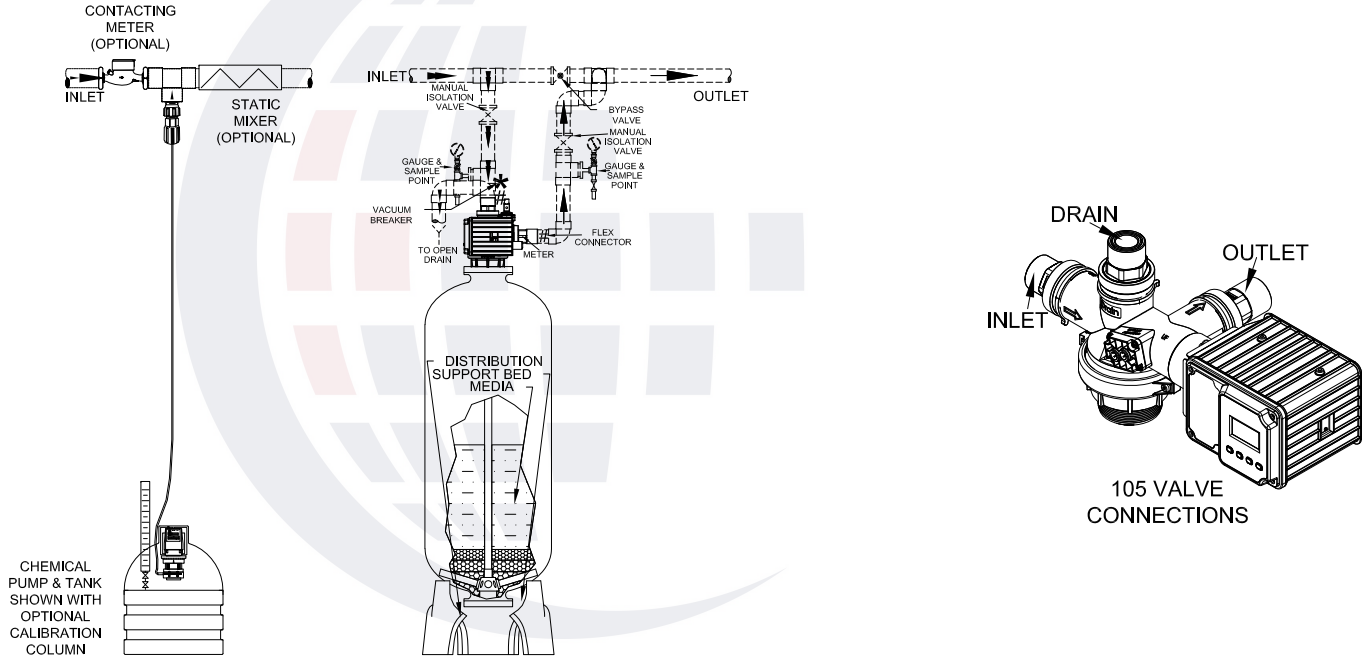


105STS/MTS Single Series Model	Maximum Service Flow Rate				Max Flow To Drain	Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
	USGPM	USGPM	USGPM	USGPM		Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width		
	l/s	l/s	l/s	l/s		in	in	ft3	in	in	in	in	in		
	mm	mm	mm	mm		mm	mm	m3	mm	mm	mm	mm	mm		
105STS MG14- 2"*	5	3	2	12	2"*	2"*	2.75	14	66	85	30	20	431	831	
	0.32	0.19	0.13	0.76	51	51	0.08	356	1676	2159	762	508	195	377	
105STS MG16- 2"*	7	4	2.5	16	2"*	2"*	3.5	16	66	85	31	22	571	1,071	
	0.44	0.25	0.16	1.01	51	51	0.10	406	1676	2159	787	559	259	486	
105STS MG18- 2"*	9	5	3.5	22	2"*	2"*	4.4	18	68	87	32	24	676	1,276	
	0.57	0.32	0.22	1.39	51	51	0.12	457	1727	2210	813	610	307	579	
105STS MG21- 2"*	12	7	5	30	2"*	2"*	6.0	21	68	87	34	27	849	1,649	
	0.76	0.44	0.32	1.89	51	51	0.17	533	1727	2210	864	686	385	748	
105STS MG24- 2"*	16	9	6	30	2"*	2"*	7.85	24	76	95	35	30	1,098	2,198	
	1.01	0.57	0.38	1.89	51	51	0.22	610	1,829	2,159	762	762	498	997	
105STS MG30- 2"*	25	15	10	50	2"*	2"*	12.5	30	81	100	38	36	1,566	3,166	
	1.58	0.95	0.63	3.15	51	51	0.35	762	2,057	2,540	965	914	710	1,436	
105STS MG36- 2"*	35	21	14	70	2"*	2"*	17.6	36	85	104	42	42	2,160	4,460	
	2.21	1.32	0.88	4.42	51	51	0.50	914	2,159	2,642	1,067	1,067	980	2,024	

System has basic chemical pump for continuous feed. For varying flowrates flow pace chemical feed is required (optional).

LEGEND:

- ☒ ISOLATION VALVE
- ⌘ BYPASS VALVE
- ⊕ PRESSURE GAUGE & SAMPLE POINT
- ↓ OPEN DRAIN
- * VACUUM BREAKER
- # FLEX CONNECTOR
- ▶ RAW WATER LINES
- ▶ FILTERED/SOFTENED WATER LINES
- ▶ WATER TO OPEN DRAIN
- ▶ TREATED WATER LINES
- ELECTRONIC BALL VALVE



RAW WATER REGENERATION PIPING SHOWN

NOTES:

- FILTER(S) EQUIPPED WITH A 105 SERIES ELECTRONIC CONTROL VALVE.
- CALENDAR CLOCK INITIATED BACKWASH IS STANDARD.
- MULTI-TANK SYSTEMS ARE REGENERATED IN SERIES.
- 2" OR 1.5" NPT CONNECTIONS ARE INTERCHANGEABLE. STANDARD CONNECTION SIZE USED VARIES WITH FILTER DIAMETER.
- REQUIRES 120 VOLT, 1 PHASE, 60 Hz ELECTRICAL POWER.
- RECOMMENDED MINIMUM SYSTEM PRESSURE IS 40 PSI(275 kPa) & MAXIMUM SYSTEM PRESSURE IS 100 PSI (690 kPa). MAXIMUM TEMPERATURE IS 100°F (38°C)
- TANKS AND MEDIA ARE NSF APPROVED.
- TRIPOD TANKS TO BE SECURELY ATTACHED TO THE FLOOR.
- ALL EXTERNAL PIPING, FITTINGS, INTERCONNECTING PIPING, ISOLATION & SAMPLE VALVES AND GAUGES SHOWN BY BROKEN LINES ARE BY OTHERS
- 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. FAILURE TO PROPERLY INSTALL THEM MAY VOID THE WARRANTY.

- SYSTEM MUST BE INSTALLED TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL CODES.
- FLOOR DRAINS MUST BE SIZED TO CARRY THE MAXIMUM LISTED FLOW TO DRAIN.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR FURTHER DETAILS.
- MEDIA BED CONSISTS OF (FROM TOP TO BOTTOM) NSF APPROVED ANTRAFILT, FINE FILTER SAND FINE & COARSE GARNET ON A GRADED SUPPORT BED

Model: 105 STS MM30 - 2" SC000

**105 MANGANESE GREENSAND
SINGLE STS FILTER**

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Project:	Date: 2/20/024	Rev
	Dwg# 105F-S-MG	0

