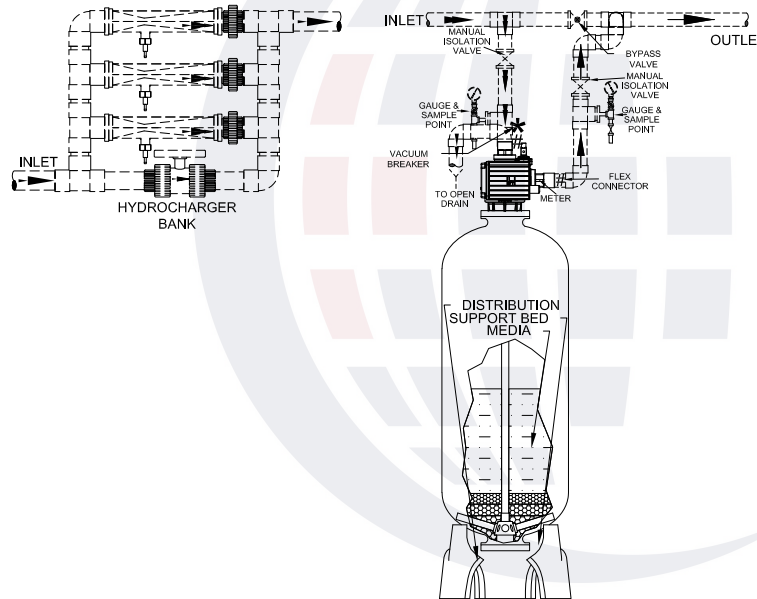


105STS/MTS Single Series Model	Typical		Peak	Max Flow To	Pipe Size		Media	Mineral Tank		Installation			Shipping	Operating
	Service Flow Rate		Drain	Flow	Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width	Weight	Weight
	USGPM	USGPM	USGPM	in	in	ft3	in	in	in	in	in	in	lbs	lbs
	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	mm	kg	kg
105STS CF14- 2"*	3	5	12	2"*	2"*	2.65	14	66	85	30	20	476	876	
	0.19	0.32	0.76	51	51	0.08	356	1676	2159	762	508	216	397	
105STS CF16- 2"*	4	7	16	2"*	2"*	3.5	16	66	85	31	22	587	1,087	
	0.25	0.44	1.01	51	51	0.10	406	1676	2159	787	559	266	493	
105STS CF18- 2"*	5	9	22	2"*	2"*	4.4	18	68	87	32	24	741	1,341	
	0.32	0.57	1.39	51	51	0.12	457	1727	2210	813	610	336	608	
105STS CF21- 2"*	7	12	30	2"*	2"*	6.0	21	68	87	34	27	919	1,719	
	0.44	0.76	1.89	51	51	0.17	533	1727	2210	864	686	417	780	
105STS CF24- 2"*	9	16	30	2"*	2"*	7.7	24	76	95	35	30	1,168	2,268	
	0.57	1.01	1.89	51	51	0.22	610	1,829	2,159	762	762	530	1,029	
105STS CF30- 2"*	15	25	50	2"*	2"*	12.5	30	81	100	38	36	1,663	3,263	
	0.95	1.58	3.15	51	51	0.35	762	2,057	2,540	965	914	754	1,480	
105STS CF36- 2"*	21	35	70	2"*	2"*	17.6	36	85	104	42	42	2,228	4,528	
	1.32	2.21	4.42	51	51	0.50	914	2,159	2,642	1,067	1,067	1,011	2,055	

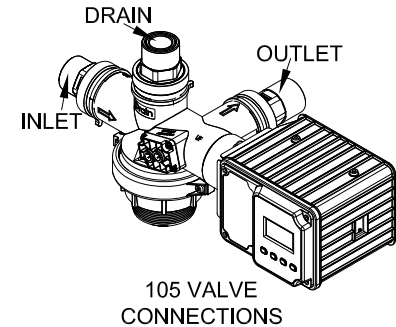
Service based on 3 usgpm/ft2, Peak based on 5 usgpm/ft2. System must be designed to draw air continuously. Hydrocharger (air induction) system sold separately.

**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



105 VALVE CONNECTIONS

**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

105 CHEM FREE SINGLE STS FILTER		
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Project:	Date: 2/20/024	Rev
	Dwg# 105F-S-CF	0

