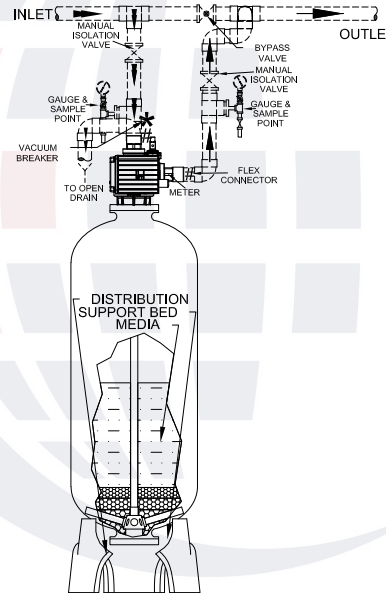


105STS/MTS Single Series Model	Typical Service Flow Rate	Max Flow To Drain	Pipe Size		Media Per Tank	Mineral Tank		Installation			Shipping Weight	Operating Weight	
			Service	Drain		Diameter	Height	Height	Depth	Width			
			USGPM	USGPM		in	in	ft3	in	in			in
	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	mm	kg	kg
105STS BF14-2"*	5	10	2"*	2"*	2.65	14	66	85	30	20	340	740	
	0.32	0.63	51	51	0.08	356	1676	2159	762	508	154	336	
105STS BF16-2"*	7	15	2"*	2"*	3.5	16	66	85	31	22	430	930	
	0.44	0.95	51	51	0.10	406	1676	2159	787	559	195	422	
105STS BF18-2"*	9	15	2"*	2"*	4.4	18	68	87	32	24	503	1,103	
	0.57	0.95	51	51	0.12	457	1727	2210	813	610	228	500	
105STS BF21-2"*	12	25	2"*	2"*	6.0	21	68	87	34	27	609	1,409	
	0.76	1.58	51	51	0.17	533	1727	2210	864	686	276	639	
105STS BF24-2"*	16	30	2"*	2"*	7.7	24	76	95	35	30	789	1,889	
	1.01	1.89	51	51	0.22	610	1,829	2,159	762	762	358	857	
105STS BF30-2"*	25	50	2"*	2"*	12.5	30	81	100	38	36	1,062	2,662	
	1.58	3.15	51	51	0.35	762	2,057	2,540	965	914	482	1,208	
105STS BF36-2"*	35	70	2"*	2"*	17.6	36	85	104	42	42	1,459	3,759	
	2.21	4.42	51	51	0.50	914	2,159	2,642	1,067	1,067	662	1,705	

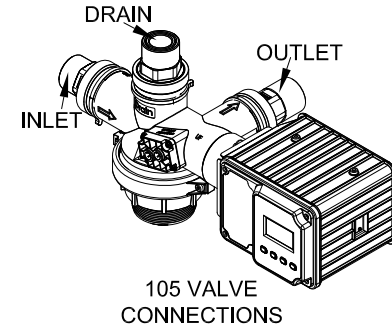
Service flow rate based on 5 usgpm/ft2. Hydrocharger (air induction) system, if required, sold separately.

**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



**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 BIRM SINGLE STS FILTER		
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Project:	Date: 2/20/024	Rev
	Dwg# 105F-S-BF	0

