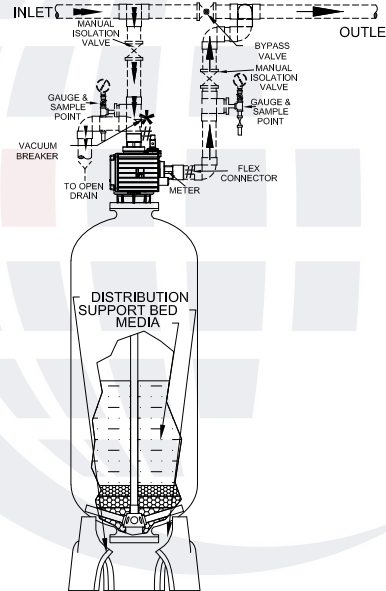


105STS/MTS Single Series Model	Typical	Peak	RO	Max Flow To	Pipe Size		Media	Mineral Tank		Installation			Shipping	Operating	
	Maximum Recommended Flow Rates				Drain	Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width	Weight	Weight
	USGPM	USGPM	USGPM	USGPM	USGPM	in	in	ft3	in	in	in	in	in	lbs	lbs
	l/s	l/s	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	kg	kg
105STS NX14-2"*	10	15	8	12	2"*	2"*	2.65	14	66	85	30	20	384	784	
	0.63	0.95	0.50	0.76	51	51	0.08	356	1676	2159	762	508	174	356	
105STS NX16-2"*	14	20	11	16	2"*	2"*	3.5	16	66	85	31	22	485	985	
	0.88	1.26	0.69	1.01	51	51	0.10	406	1676	2159	787	559	220	447	
105STS NX18-2"*	17	26	13	22	2"*	2"*	4.4	18	68	87	32	24	574	1,174	
	1.07	1.64	0.82	1.39	51	51	0.12	457	1727	2210	813	610	260	533	
105STS NX21-2"*	24	36	19	30	2"*	2"*	6.0	21	68	87	34	27	704	1,504	
	1.51	2.27	1.20	1.89	51	51	0.17	533	1727	2210	864	686	319	682	
105STS NX24-2"*	30	47	25	43	2"*	2"*	7.7	24	76	95	35	30	915	2,015	
	1.89	2.97	1.58	2.71	51	51	0.22	610	1,829	2,159	762	762	415	914	

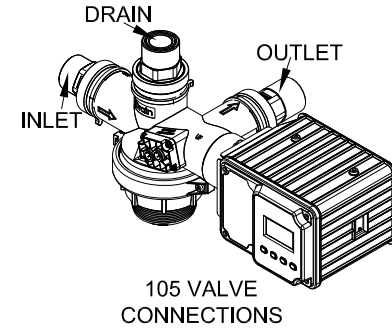
Typical service based on 10 usgpm/ft2 Peak based on 15 usgpm/ft2 Flowrates may change depending upon actual feed water quality water conditions.  
Backwash flowrates based on cold water. If regeneration feed water is above 450F, The backwash flow rate will have to be increased.

**LEGEND:**

- ⊗ ISOLATION VALLVE
- ⊗ 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

Model: 105 STS MM14 - 2" SC000

**105 NEXTSAND  
SINGLE STS FILTER**

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