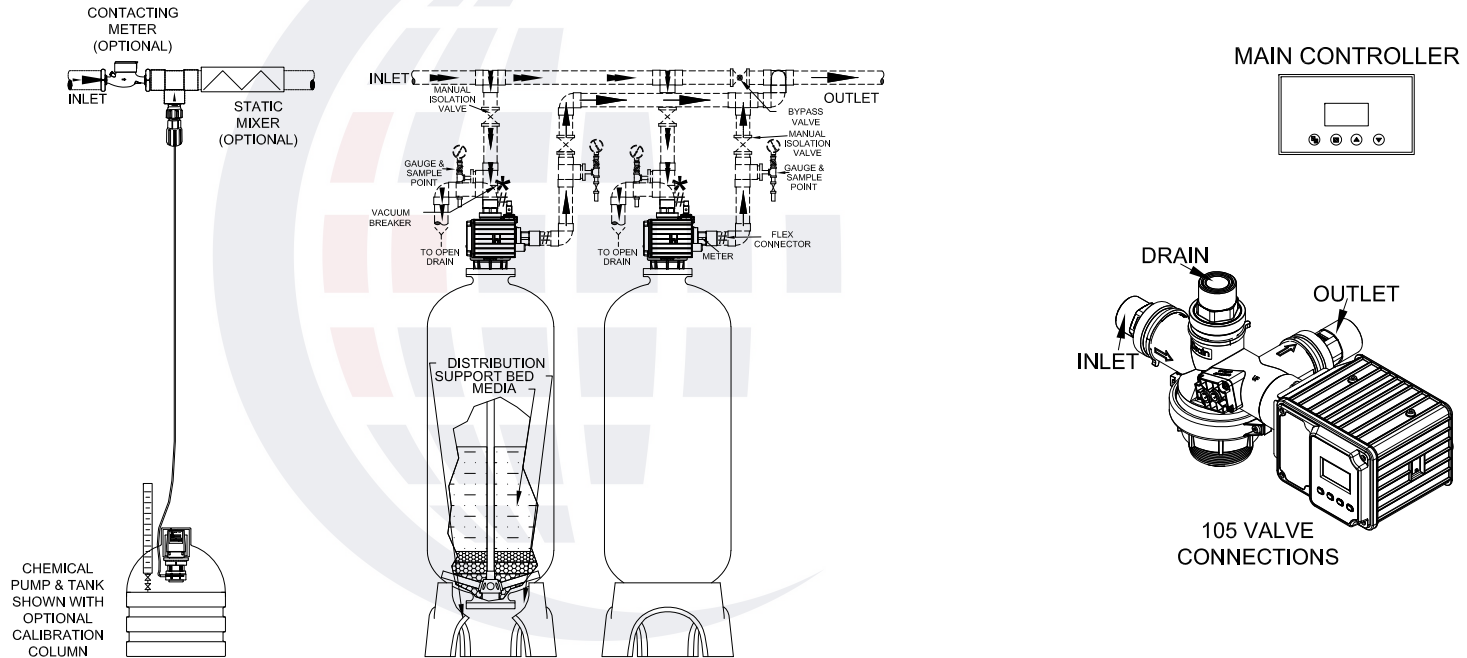


105MTS Duplex Series Model	Maximum Service Flow Rate				Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
	USGPM	USGPM	USGPM	USGPM	Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width	lbs	lbs
	l/s	l/s	l/s	l/s	in	in	ft3	in	in	in	in	in	kg	kg
	l/s	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	kg	kg
105MTS MG14- 2"*	10	6	4	12	2"*	2"*	2.75	14	66	85	30	37	861	1,661
	0.63	0.38	0.25	0.76	51	51	0.08	356	1676	2159	762	940	391	754
105MTS MG16- 2"*	14	8	5	16	2"*	2"*	3.5	16	66	85	31	41	1,141	2,141
	0.88	0.50	0.32	1.01	51	51	0.10	406	1676	2159	787	1041	518	972
105MTS MG18- 2"*	18	10	7	22	2"*	2"*	4.4	18	68	87	32	45	1,351	2,551
	1.14	0.63	0.44	1.39	51	51	0.12	457	1727	2210	813	1143	613	1,158
105MTS MG21- 2"*	24	14	10	30	2"*	2"*	6.0	21	68	87	34	51	1,699	3,299
	1.51	0.88	0.63	1.89	51	51	0.17	533	1727	2210	864	1295	771	1,497
105MTS MG24- 2"*	32	18	12	30	2"*	2"*	7.85	24	76	95	35	57	2,196	4,396
	2.02	1.14	0.76	1.89	51	51	0.22	610	1,829	2,159	762	1447.8	996	1,994
105MTS MG30- 2"*	50	30	20	50	2"*	2"*	12.5	30	81	100	38	69	3,131	6,331
	3.15	1.89	1.26	3.15	51	51	0.35	762	2,057	2,540	965	1,753	1,421	2,873
105MTS MG36- 2"*	70	42	28	70	2"*	2"*	17.6	36	85	104	42	81	4,320	8,920
	4.42	2.65	1.77	4.42	51	51	0.50	914	2,159	2,642	1,067	2,057	1,960	4,047

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

105 MANGANESE GREENSAND DUPLEX FILTER		
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Project:	Date: 2/20/024	Rev 0
Dwg# 105F-D-MG		

