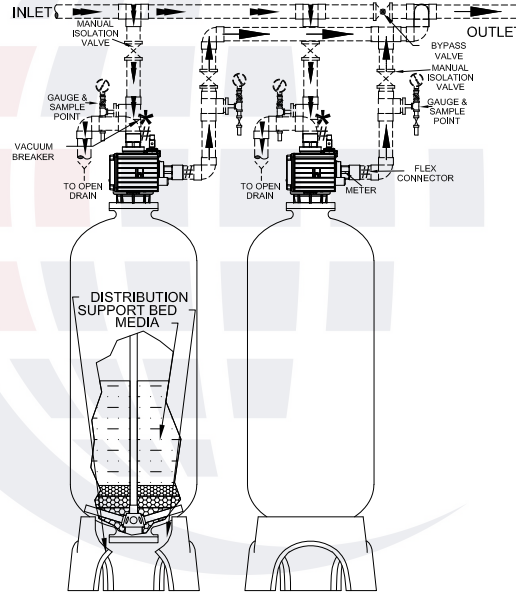


105MTS Duplex Series Model	Typical	RO	Free Chlorine	Max Flow To Drain	Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
	Service Flow Rate				Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width		
	USGPM	USGPM	USGPM	USGPM	in	in	ft3	in	in	in	in	in	lbs	lbs
	l/s	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	kg	kg
105MTS AC14- 2"*	12	6	22	9.5	2"*	2"*	2.65	14	66	85	30	37	608	1,408
	0.76	0.38	1.39	0.60	51	51	0.08	356	1676	2159	762	940	276	639
105MTS AC16- 2"*	16	8	28	15	2"*	2"*	3.5	16	66	85	31	41	767	1,767
	1.01	0.50	1.77	0.95	51	51	0.10	406	1676	2159	787	1041	348	802
105MTS AC18- 2"*	20	10	36	20	2"*	2"*	4.4	18	68	87	32	45	888	2,088
	1.26	0.63	2.27	1.26	51	51	0.12	457	1727	2210	813	1143	403	947
105MTS AC21- 2"*	28	14	48	24	2"*	2"*	6.0	21	68	87	34	51	1,061	2,661
	1.77	0.88	3.03	1.51	51	51	0.17	533	1727	2210	864	1295	481	1,207
105MTS AC24- 2"*	38	16	62	30	2"*	2"*	7.7	24	76	95	35	57	1,367	3,567
	2.40	1.01	3.91	1.89	51	51	0.22	610	1,829	2,159	762	1447.8	620	1,619
105MTS AC30- 2"*	58	24	98	51	2"*	2"*	12.5	30	81	100	38	69	1,795	4,995
	3.66	1.51	6.18	3.22	51	51	0.35	762	2,057	2,540	965	1,753	815	2,266
105MTS AC36- 2"*	84	36	142	70	2"*	2"*	17.6	36	85	104	42	81	2,455	7,055
	5.30	2.27	8.96	4.42	51	51	0.50	914	2,159	2,642	1,067	2,057	1,114	3,201

Typical service based on 6 usgpm/ft2, RO pretreat based on 2.5 usgpm/ft2 & Free Chlorine removal based on 10 usgpm/ft2

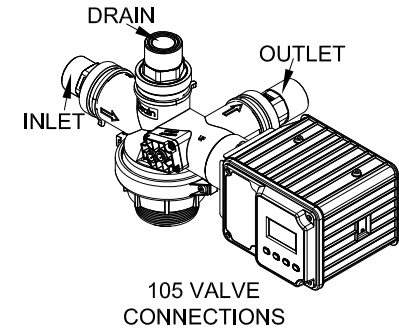
**LEGEND:**

- ⊗ 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

**MAIN CONTROLLER**



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 MTS MM 18 - 2" DC00 0

**105 ACTIVATED CARBON DUPLEX FILTER**

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Project:	Date: 2/20/024	Rev
	Dwg# 105F-D-AC	0