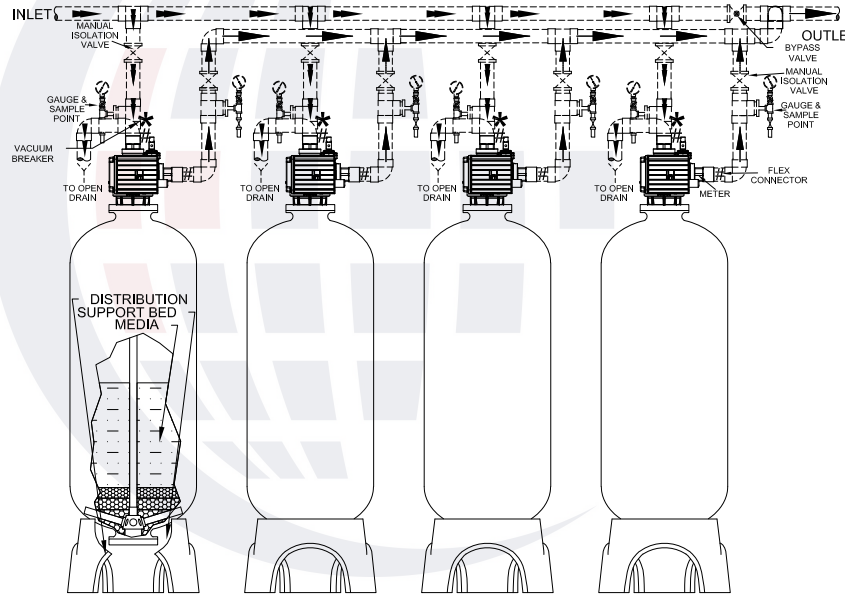


105MTS Quadplex Series Model	Typical	Peak	RO	Max Flow To Drain	Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
	Maximum Recommended Flow Rates				USGPM	Service	Drain	Per Tank	Diameter	Height	Height	Depth		
	USGPM	USGPM	USGPM	in		in	ft3	in	in	in	in	in		
	l/s	l/s	l/s	mm		mm	m3	mm	mm	mm	mm	mm		
105MTS NX14- 2"*	40	60	32	12	2"*	2"*	2.65	14	66	85	30	71	1,534	3,134
	2.52	3.79	2.02	0.76	51	51	0.08	356	1676	2159	762	1803	696	1,422
105MTS NX16- 2"*	56	80	44	16	2"*	2"*	3.5	16	66	85	31	79	1,939	3,939
	3.53	5.05	2.78	1.01	51	51	0.10	406	1676	2159	787	2007	880	1,787
105MTS NX18- 2"*	68	104	52	22	2"*	2"*	4.4	18	68	87	32	87	2,296	4,696
	4.29	6.56	3.28	1.39	51	51	0.12	457	1727	2210	813	2210	1,042	2,131
105MTS NX21- 2"*	96	144	76	30	2"*	2"*	6.0	21	68	87	34	99	2,814	6,014
	6.06	9.08	4.79	1.89	51	51	0.17	533	1727	2210	864	2515	1,277	2,729
105MTS NX24- 2"*	120	188	100	43	2"*	2"*	7.7	24	76	95	35	111	3,659	8,059
	7.57	11.86	6.31	2.71	51	51	0.22	610	1,829	2,159	762	2819.4	1,660	3,656

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.

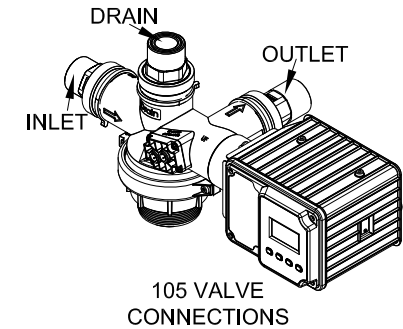
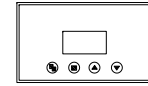
**LEGEND:**

- ⊠ ISOLATION 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

**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 14 - 2" QC000

**105 NEXTSAND  
QUADPLEX FILTER**

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Project:	Date: 2/20/024	Rev
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