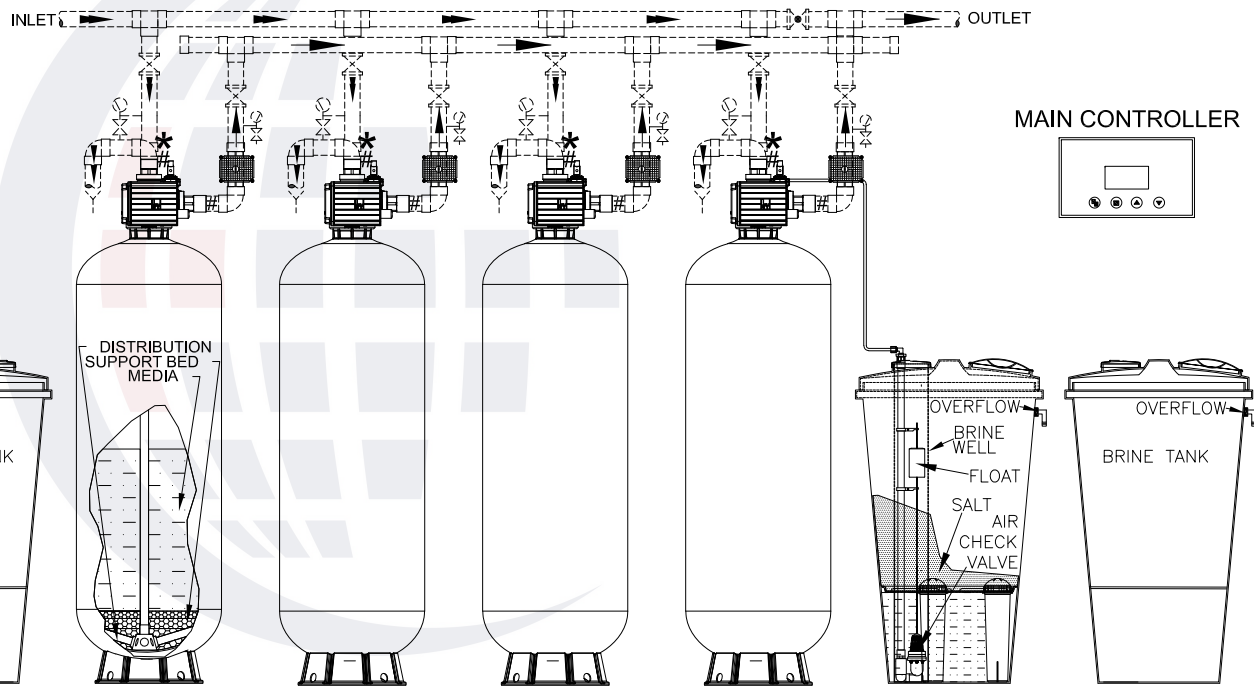


LEGEND:

- ✕ ISOLATION VALVE
- ✕ BYPASS VALVE
- ⊕ PRESSURE GAUGE & SAMPLE POINT
- ⊕ OPEN DRAIN
- ⊕ DIAPHRAGM VALVE
- * VACUUM BREAKER
- # FLEX CONNECTORS
- ▶ RAW WATER LINES
- ▶ FILTERED/SOFTENED WATER
- ▶ TREATED WATER LINES
- ⊕ ELECTRIC BALL VALVE

| Model (Quadplex) | Capacity | | Resin | | Salt Usage | | Critical Flow | 105 | | | Max Flow To Drain | Dimensions | | Installation | | | Shipping Weight | Operating Weight |
|------------------|-------------|------|------------|-------------|------------|----------|---------------|----------|------------|--------------|-------------------|------------|--------|--------------|--------|----|-----------------|------------------|
| | @6 lbs/ft3 | ft3 | @6 lbs/ft3 | @10 lbs/ft3 | @15 PSI | @ 25 PSI | | @ 15 PSI | @ 25 PSI | Mineral Tank | | Brine Tank | Height | Depth | Width | | | |
| | @10 lbs/ft3 | m3 | lbs | lbs | USGPM | USGPM | USGPM | USGPM | in | in | in | in | in | in | in | in | in | |
| | | | kg | kg | l/s | l/s | l/s | l/s | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 105MTS 120 -2" | 88,000 | 4 | 24 | 40 | 20 | 39 | 56 | 7 | 16 x 65 | 24 x 37 | 85 | 31 | 191 | 1,718 | 6,918 | | | |
| | 108,000 | 0.11 | 10.89 | 18.1 | 1.26 | 2.46 | 3.53 | 0.44 | 403 x 1651 | 610 x 940 | 2,159 | 787 | 4,851 | 780 | 3,139 | | | |
| 105MTS 150 -2" | 110,000 | 5 | 30 | 50 | 25 | 43 | 61 | 9 | 18 x 65 | 24 x 37 | 87 | 32 | 199 | 2,004 | 7,604 | | | |
| | 135,000 | 0.14 | 13.61 | 22.7 | 1.58 | 2.71 | 3.85 | 0.57 | 475 x 1651 | 610 x 940 | 2,210 | 813 | 5,055 | 909 | 3,450 | | | |
| 105MTS 180 -2" | 132,000 | 6 | 36 | 60 | 30 | 47 | 68 | 12 | 21 x 62 | 29 x 50 | 87 | 36 | 231 | 2,491 | 10,891 | | | |
| | 162,000 | 0.17 | 16.33 | 27.2 | 1.89 | 2.97 | 4.29 | 0.76 | 533 x 1575 | 740 x 1275 | 2,210 | 914 | 5,867 | 1,130 | 4,942 | | | |
| 105MTS 210 -2" | 154,000 | 7 | 42 | 70 | 35 | 46 | 66 | 12 | 21 x 62 | 29 x 50 | 87 | 36 | 231 | 2,714 | 11,114 | | | |
| | 189,000 | 0.20 | 19.06 | 31.8 | 2.21 | 2.90 | 4.16 | 0.76 | 533 x 1575 | 740 x 1275 | 2,210 | 914 | 5,867 | 1,231 | 5,043 | | | |
| 105MTS 240 -2" | 176,000 | 8 | 48 | 80 | 40 | 50 | 71 | 15 | 24 x 72 | 33 x 53 | 95 | 40 | 259 | 3,243 | 14,843 | | | |
| | 216,000 | 0.23 | 21.78 | 36.3 | 2.52 | 3.15 | 4.48 | 0.95 | 610 x 1829 | 840 x 1335 | 2,413 | 1,016 | 6,579 | 1,472 | 6,735 | | | |
| 105MTS 270 -2" | 198,000 | 9 | 54 | 90 | 45 | 49 | 70 | 15 | 24 x 72 | 33 x 53 | 95 | 40 | 259 | 3,466 | 15,066 | | | |
| | 243,000 | 0.25 | 24.50 | 40.8 | 2.84 | 3.09 | 4.42 | 0.95 | 610 x 1829 | 840 x 1335 | 2,413 | 1,016 | 6,579 | 1,573 | 6,836 | | | |
| 105MTS 300 -2" | 220,000 | 10 | 60 | 100 | 48 | 48 | 69 | 15 | 24 x 72 | 33 x 53 | 95 | 40 | 259 | 3,688 | 15,288 | | | |
| | 270,000 | 0.28 | 27.22 | 45.4 | 3.03 | 3.03 | 4.35 | 0.95 | 610 x 1829 | 840 x 1335 | 2,413 | 1,016 | 6,579 | 1,674 | 6,937 | | | |
| 105MTS 360 -2" | 264,000 | 12 | 72 | 120 | 50 | 54 | 76 | 25 | 30 x 72 | 33 x 53 | 100 | 40 | 287 | 4,260 | 17,860 | | | |
| | 324,000 | 0.34 | 32.67 | 54.4 | 3.15 | 3.41 | 4.79 | 1.58 | 762 x 1829 | 840 x 1335 | 2,540 | 1,016 | 7,290 | 1,933 | 8,103 | | | |
| 105MTS 390 -2" | 286,000 | 13 | 78 | 130 | 54 | 54 | 76 | 25 | 30 x 72 | 38 x 55 | 100 | 44 | 303 | 4,717 | 21,917 | | | |
| | 351,000 | 0.37 | 35.39 | 59.0 | 3.41 | 3.41 | 4.79 | 1.58 | 762 x 1829 | 965 x 1397 | 2,540 | 1,118 | 7,696 | 2,140 | 9,944 | | | |
| 105MTS 450 -2" | 330,000 | 15 | 90 | 150 | 52 | 52 | 75 | 25 | 30 x 72 | 38 x 55 | 100 | 44 | 303 | 5,163 | 22,363 | | | |
| | 405,000 | 0.42 | 40.83 | 68.1 | 3.28 | 3.28 | 4.73 | 1.58 | 762 x 1829 | 965 x 1397 | 2,540 | 1,118 | 7,696 | 2,342 | 10,146 | | | |



NOTES:

- SOFTENER(S) EQUIPPED WITH A 105 SERIES ELECTRONIC CONTROL VALVE.
- 2" OR 1.5" NPT CONNECTIONS ARE INTERCHANGEABLE. STANDARD CONNECTION SIZE USED VARIES WITH SOFTENER SIZE (SEE ABOVE TABLE).
- REQUIRES 120 VOLT, 1 PHASE, 60 Hz ELECTRICAL POWER.
- ALL EXTERNAL PIPING, FITTINGS, INTERCONNECTING PIPING, ISOLATION & SAMPLE VALVES AND GAUGES SHOWN BY BROKEN LINES ARE BY OTHERS
- TANKS AND MEDIA ARE NSF APPROVED.
- RECOMMENDED MINIMUM SYSTEM PRESSURE IS 207 kPa (30 PSI) & MAXIMUM SYSTEM PRESSURE IS 690 kPa (100 PSI). MAXIMUM TEMPERATURE IS 38°C (100°F).
- TRIPOD TANKS TO BE SECURELY ATTACHED TO THE FLOOR.
- MAX FLOW TO DRAIN" IS BASED ON WATER TEMPERATURES OF 4°C (40°F).
- FLOOR DRAINS MUST BE SIZED TO CARRY THE MAXIMUM LISTED FLOW TO DRAIN.
- REFER TO THE INSTALLATION AND OPERATION MANUAL FOR FURTHER DETAILS.
- SYSTEM MUST BE INSTALLED TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL CODES.
- MINIMUM FREE SPACE OF 152 mm (6") REQUIRED ABOVE VALVE.
- 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.

- IF USING SYSTEM TREATED WATER REGENERATION, THE BALL VALVE MUST BE INSTALLED ON THE INLET INSTEAD OF THE OUTLET.
- NOTE: IF NEGATIVE PRESSURE EXCEEDS 5" HG (17 kPa), AN ADEQUATE VACUUM BREAKER MUST BE PROPERLY INSTALLED. FAILURE TO INSTALL FLEX CONNECTION PROPERLY, OR IMPROPER INSTALLATION OF A VACUUM BREAKER WHEN REQUIRED, WILL VOID THE WARRANTY.
- MULTI-TANK SYSTEMS (MTS):
 - ALL MTS ARE CONTROLLED BY ONE CENTRAL CONTROLLER.
 - SOFTENERS ARE METER INITIATED, RESPONSIVE FLOW SYSTEMS. UNITS ARE AUTOMATICALLY BROUGHT ON-LINE BASED ON TOTAL SYSTEM FLOW RATE.
 - SOFTENERS ARE INTERLOCKED SO ONLY ONE UNIT CAN REGENERATE AT A TIME.
 - BRINE LINES TEED TO ACCOMMODATE SINGLE BRINE TANK ASSEMBLY

MODEL:105 MTS 450 -2" Q8000

105 MTS QUADPLEX SOFTENER

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| | | |
|----------|------------------|-----|
| Project: | Date: 02/21/2024 | Rev |
| | Dwg# 105 MTS 2"Q | |

