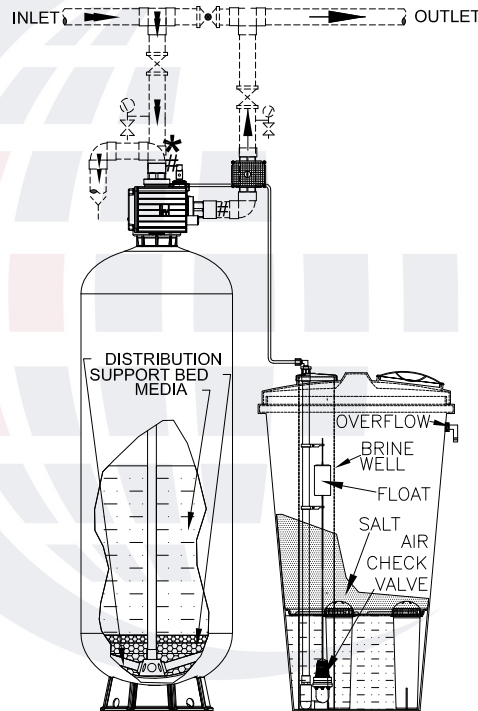


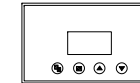
| Model (Single) | Capacity | | Resin | | Salt Usage | | Critical Flow USGPM | 105 | | | Max Flow To Drain USGPM | Dimensions | | Installation | | | Shipping Weight lbs | Operating Weight lbs |
|----------------|-------------|------|------------|-------------|------------|----------|------------------------|--------------|------------|------------|-------------------------------|------------|-------|--------------|-------|--|---------------------------|----------------------------|
| | @6 lbs/ft3 | ft3 | @6 lbs/ft3 | @10 lbs/ft3 | @ 15 PSI | @ 25 PSI | | Mineral Tank | Brine Tank | Height | | Depth | Width | | | | | |
| | @10 lbs/ft3 | m3 | lbs | kg | USGPM | USGPM | | in | in | in | | in | in | | | | | |
| 105MTS 120 -2" | 88,000 | 4 | 24 | 40 | 20 | 39 | 56 | 7 | 16 x 65 | 24 x 37 | 85 | 31 | 50 | 430 | 1,730 | | | |
| | 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 | 1,270 | 195 | 785 | | | |
| 105MTS 150 -2" | 110,000 | 5 | 30 | 50 | 25 | 43 | 61 | 9 | 18 x 65 | 24 x 37 | 87 | 32 | 52 | 501 | 1,901 | | | |
| | 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 | 1,321 | 227 | 863 | | | |
| 105MTS 180 -2" | 132,000 | 6 | 36 | 60 | 30 | 47 | 68 | 12 | 21 x 62 | 29 x 50 | 87 | 36 | 60 | 623 | 2,723 | | | |
| | 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 | 1,524 | 283 | 1,235 | | | |
| 105MTS 210 -2" | 154,000 | 7 | 42 | 70 | 35 | 46 | 66 | 12 | 21 x 62 | 29 x 50 | 87 | 36 | 60 | 679 | 2,779 | | | |
| | 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 | 1,524 | 308 | 1,261 | | | |
| 105MTS 240 -2" | 176,000 | 8 | 48 | 80 | 40 | 50 | 71 | 15 | 24 x 72 | 33 x 53 | 95 | 40 | 67 | 811 | 3,711 | | | |
| | 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 | 1,702 | 368 | 1,684 | | | |
| 105MTS 270 -2" | 198,000 | 9 | 54 | 90 | 45 | 49 | 70 | 15 | 24 x 72 | 33 x 53 | 95 | 40 | 67 | 866 | 3,766 | | | |
| | 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 | 1,702 | 393 | 1,709 | | | |
| 105MTS 300 -2" | 220,000 | 10 | 60 | 100 | 48 | 48 | 69 | 15 | 24 x 72 | 33 x 53 | 95 | 40 | 67 | 922 | 3,822 | | | |
| | 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 | 1,702 | 418 | 1,734 | | | |
| 105MTS 360 -2" | 264,000 | 12 | 72 | 120 | 50 | 54 | 76 | 25 | 30 x 72 | 33 x 53 | 100 | 40 | 74 | 1,065 | 4,465 | | | |
| | 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 | 1,880 | 483 | 2,026 | | | |
| 105MTS 390 -2" | 286,000 | 13 | 78 | 130 | 54 | 54 | 76 | 25 | 30 x 72 | 38 x 55 | 100 | 44 | 78 | 1,179 | 5,479 | | | |
| | 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 | 1,981 | 535 | 2,486 | | | |
| 105MTS 450 -2" | 330,000 | 15 | 90 | 150 | 52 | 52 | 75 | 25 | 30 x 72 | 38 x 55 | 100 | 44 | 78 | 1,291 | 5,591 | | | |
| | 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 | 1,981 | 586 | 2,537 | | | |

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



MAIN CONTROLLER



RAW WATER REGENERATION PIPING SHOWN

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 360 -2" S8000

105 MTS SINGLE SOFTENER

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

