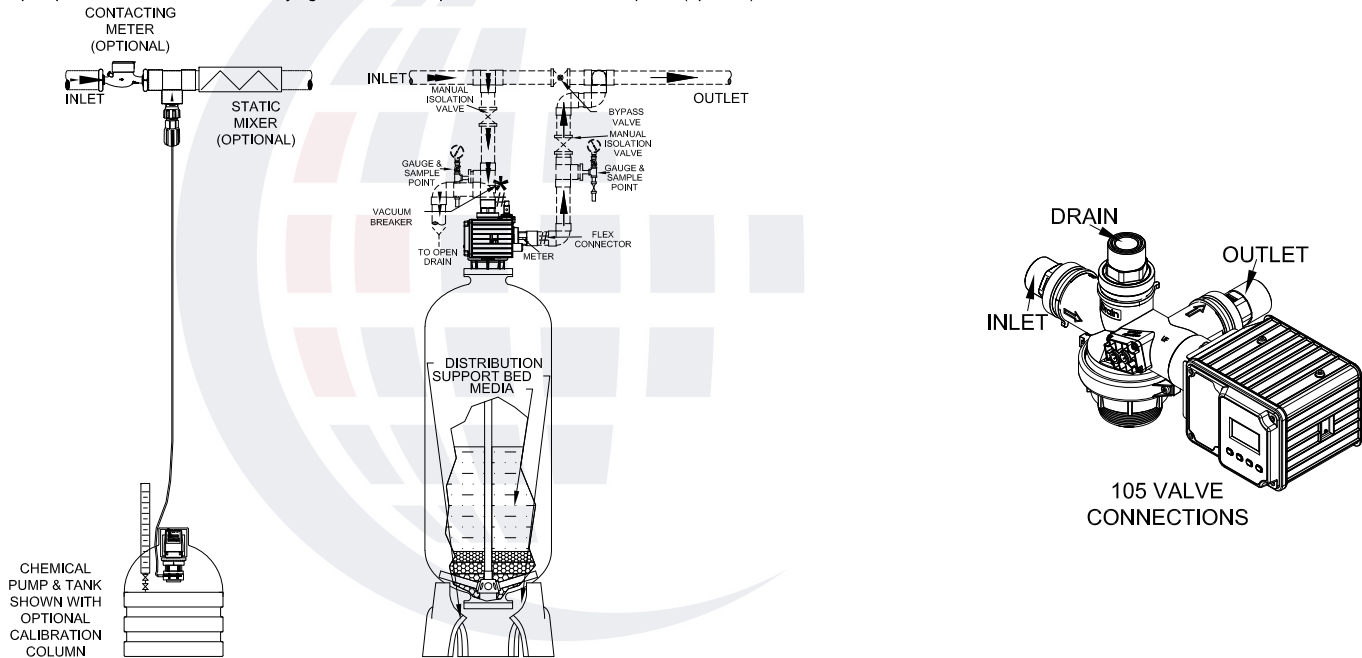


| 105STS/MTS Single Series Model | Maximum Service Flow Rate | | | | Max Flow To Drain | Pipe Size | | Media | Mineral Tank | | Installation | | | Shipping Weight | Operating Weight |
|--------------------------------------|---------------------------|-------|-------|-------|----------------------|-----------|-------|----------|--------------|--------|--------------|-------|-------|--------------------|---------------------|
| | USGPM | USGPM | USGPM | USGPM | | Service | Drain | Per Tank | Diameter | Height | Height | Depth | Width | | |
| | l/s | l/s | l/s | l/s | | in | in | ft3 | in | in | in | in | in | | |
| | mm | mm | mm | mm | | mm | mm | m3 | mm | mm | mm | mm | mm | | |
| 105STS MG14- 2"* | 5 | 3 | 2 | 12 | 2"* | 2"* | 2.75 | 14 | 66 | 85 | 30 | 20 | 431 | 831 | |
| | 0.32 | 0.19 | 0.13 | 0.76 | 51 | 51 | 0.08 | 356 | 1676 | 2159 | 762 | 508 | 195 | 377 | |
| 105STS MG16- 2"* | 7 | 4 | 2.5 | 16 | 2"* | 2"* | 3.5 | 16 | 66 | 85 | 31 | 22 | 571 | 1,071 | |
| | 0.44 | 0.25 | 0.16 | 1.01 | 51 | 51 | 0.10 | 406 | 1676 | 2159 | 787 | 559 | 259 | 486 | |
| 105STS MG18- 2"* | 9 | 5 | 3.5 | 22 | 2"* | 2"* | 4.4 | 18 | 68 | 87 | 32 | 24 | 676 | 1,276 | |
| | 0.57 | 0.32 | 0.22 | 1.39 | 51 | 51 | 0.12 | 457 | 1727 | 2210 | 813 | 610 | 307 | 579 | |
| 105STS MG21- 2"* | 12 | 7 | 5 | 30 | 2"* | 2"* | 6.0 | 21 | 68 | 87 | 34 | 27 | 849 | 1,649 | |
| | 0.76 | 0.44 | 0.32 | 1.89 | 51 | 51 | 0.17 | 533 | 1727 | 2210 | 864 | 686 | 385 | 748 | |
| 105STS MG24- 2"* | 16 | 9 | 6 | 30 | 2"* | 2"* | 7.85 | 24 | 76 | 95 | 35 | 30 | 1,098 | 2,198 | |
| | 1.01 | 0.57 | 0.38 | 1.89 | 51 | 51 | 0.22 | 610 | 1,829 | 2,159 | 762 | 762 | 498 | 997 | |
| 105STS MG30- 2"* | 25 | 15 | 10 | 50 | 2"* | 2"* | 12.5 | 30 | 81 | 100 | 38 | 36 | 1,566 | 3,166 | |
| | 1.58 | 0.95 | 0.63 | 3.15 | 51 | 51 | 0.35 | 762 | 2,057 | 2,540 | 965 | 914 | 710 | 1,436 | |
| 105STS MG36- 2"* | 35 | 21 | 14 | 70 | 2"* | 2"* | 17.6 | 36 | 85 | 104 | 42 | 42 | 2,160 | 4,460 | |
| | 2.21 | 1.32 | 0.88 | 4.42 | 51 | 51 | 0.50 | 914 | 2,159 | 2,642 | 1,067 | 1,067 | 980 | 2,024 | |

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

Model: 105 STS MM21 - 2" SC000

**105 MANGANESE GREENSAND
SINGLE STS FILTER**

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| | | |
|----------|----------------|-----|
| Project: | Date: 2/20/024 | Rev |
| | Dwg# 105F-S-MG | 0 |

