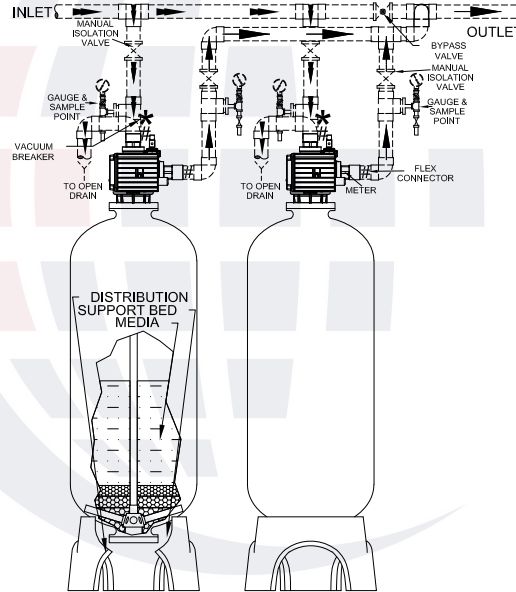


| 105MTS Duplex Series Model | Typical                        | Peak  | RO    | Max Flow To Drain | Pipe Size |       | Media    | Mineral Tank |        | Installation |       |        | Shipping Weight | Operating Weight |
|----------------------------|--------------------------------|-------|-------|-------------------|-----------|-------|----------|--------------|--------|--------------|-------|--------|-----------------|------------------|
|                            | Maximum Recommended Flow Rates |       |       |                   | 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 NX14- 2"*           | 20                             | 30    | 16    | 12                | 2"*       | 2"*   | 2.65     | 14           | 66     | 85           | 30    | 37     | 767             | 1,567            |
|                            | 1.26                           | 1.89  | 1.01  | 0.76              | 51        | 51    | 0.08     | 356          | 1676   | 2159         | 762   | 940    | 348             | 711              |
| 105MTS NX16- 2"*           | 28                             | 40    | 22    | 16                | 2"*       | 2"*   | 3.5      | 16           | 66     | 85           | 31    | 41     | 969             | 1,969            |
|                            | 1.77                           | 2.52  | 1.39  | 1.01              | 51        | 51    | 0.10     | 406          | 1676   | 2159         | 787   | 1041   | 440             | 894              |
| 105MTS NX18- 2"*           | 34                             | 52    | 26    | 22                | 2"*       | 2"*   | 4.4      | 18           | 68     | 87           | 32    | 45     | 1,148           | 2,348            |
|                            | 2.15                           | 3.28  | 1.64  | 1.39              | 51        | 51    | 0.12     | 457          | 1727   | 2210         | 813   | 1143   | 521             | 1,065            |
| 105MTS NX21- 2"*           | 48                             | 72    | 38    | 30                | 2"*       | 2"*   | 6.0      | 21           | 68     | 87           | 34    | 51     | 1,407           | 3,007            |
|                            | 3.03                           | 4.54  | 2.40  | 1.89              | 51        | 51    | 0.17     | 533          | 1727   | 2210         | 864   | 1295   | 638             | 1,364            |
| 105MTS NX24- 2"*           | 60                             | 94    | 50    | 43                | 2"*       | 2"*   | 7.7      | 24           | 76     | 95           | 35    | 57     | 1,829           | 4,029            |
|                            | 3.79                           | 5.93  | 3.15  | 2.71              | 51        | 51    | 0.22     | 610          | 1,829  | 2,159        | 762   | 1447.8 | 830             | 1,828            |

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.

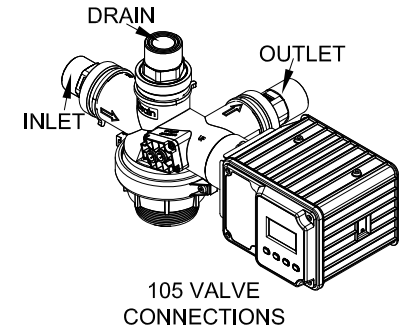
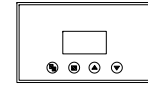
**LEGEND:**

- ⊠ ISOLATION 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 14 - 2" DC00 0

**105 NEXTSAND DUPLEX FILTER**

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