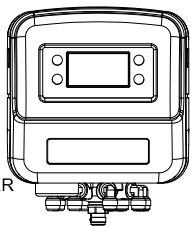


**LEGEND:**

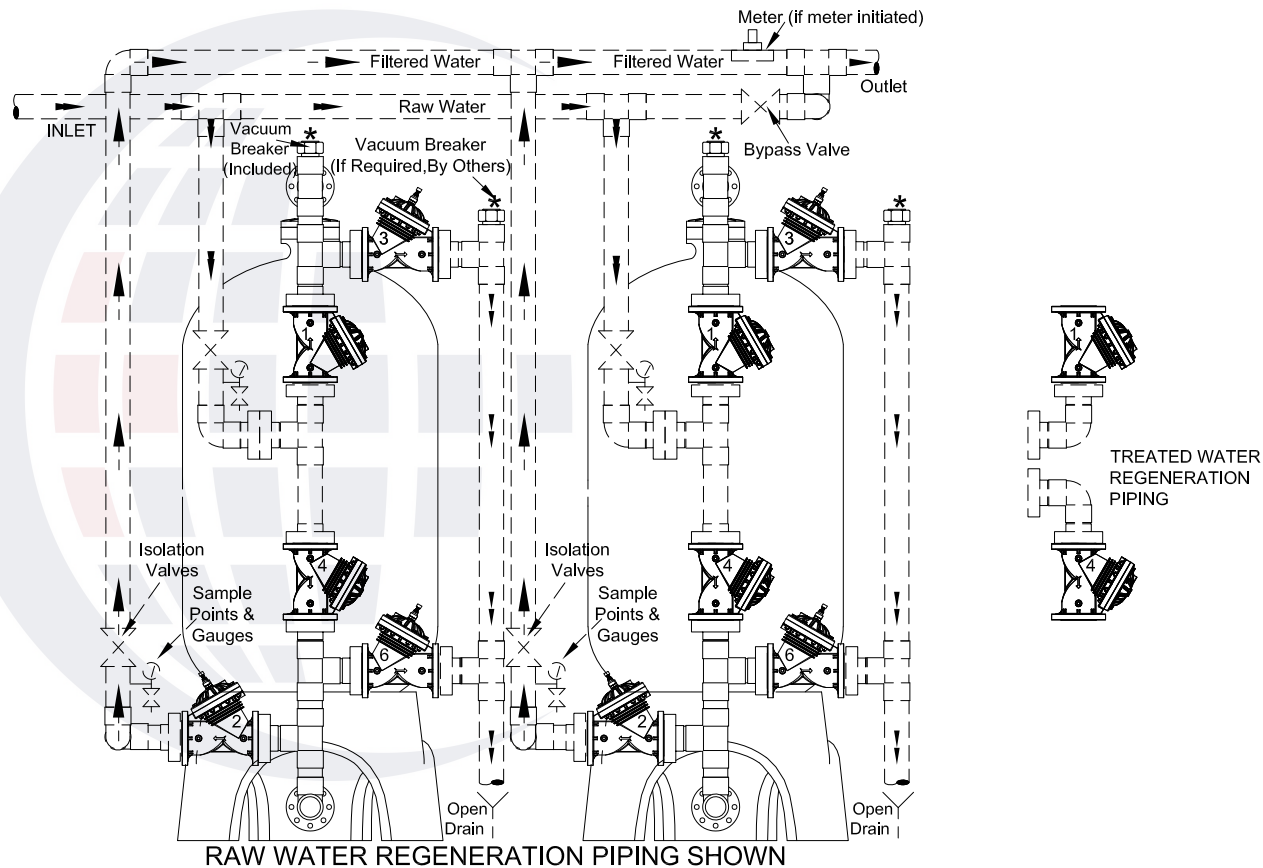
- ⊠ ISOLATION VALVE
- ⊠ BYPASS VALVE
- ⊗ PRESSURE GAUGE & SAMPLE POINT
- ∨ OPEN DRAIN
- \* VACUUM BREAKER
- ▬ RAW WATER LINES
- ▬ FILTERED WATER LINES
- ▬ WATER TO OPEN DRAIN
- ▬ TREATED WATER LINES

STAGER  
CONTROLLER



| DNX Series Duplex Model | Typical                   |       | Peak  | RO    | Max Flow To Drain | Pipe Size |         | Media | Mineral Tank |          |        | Installation |       |        | Shipping Weight |     | Operating Weight |
|-------------------------|---------------------------|-------|-------|-------|-------------------|-----------|---------|-------|--------------|----------|--------|--------------|-------|--------|-----------------|-----|------------------|
|                         | Max Recommended Flow Rate |       |       |       |                   | USGPM     | Service | Drain | Per Tank     | Diameter | Height | Height       | Depth | Width  | lbs             | lbs |                  |
|                         | USGPM                     | USGPM | USGPM | USGPM | in                |           | in      | ft3   | in           | in       | in     | in           | in    | in     | kg              | kg  |                  |
|                         | l/s                       | l/s   | l/s   | l/s   | mm                | mm        | m3      | mm    | mm           | mm       | mm     | mm           | mm    |        |                 |     |                  |
| DNX 30-2"               | 160                       | 146   | 78    | 60    | 2"                | 2"        | 12.5    | 30    | 88           | 99       | 36     | 69           | 2,691 | 5,891  |                 |     |                  |
|                         | 10.09                     | 9.21  | 4.92  | 3.79  | 50                | 50        | 0.35    | 762   | 2235         | 2515     | 914    | 1753         | 1,221 | 2,673  |                 |     |                  |
| DNX 36-3"               | 138                       | 210   | 114   | 85    | 2"                | 2"        | 17.6    | 36    | 87           | 100      | 42     | 81           | 3,668 | 8,268  |                 |     |                  |
|                         | 8.71                      | 13.25 | 7.19  | 5.36  | 50                | 50        | 0.50    | 914   | 2210         | 2540     | 1067   | 2057         | 1,664 | 3,751  |                 |     |                  |
| DNX 42-3"               | 192                       | 288   | 154   | 120   | 3"                | 3"        | 24.0    | 42    | 95           | 108      | 48     | 93           | 5,072 | 11,872 |                 |     |                  |
|                         | 12.11                     | 18.17 | 9.72  | 7.57  | 75                | 50        | 0.68    | 1067  | 2413         | 2743     | 1219   | 2362         | 2,301 | 5,386  |                 |     |                  |
| DNX 48-4"               | 252                       | 376   | 200   | 160   | 3"                | 3"        | 31.0    | 48    | 94           | 109      | 54     | 105          | 6,577 | 15,177 |                 |     |                  |
|                         | 15.90                     | 23.72 | 12.62 | 10.09 | 75                | 75        | 0.88    | 1219  | 2388         | 2769     | 1372   | 2667         | 2,984 | 6,886  |                 |     |                  |

Typical service based on 10 usgpm/ft2 Peak based on 15 usgpm/ft2 Flowrates may change depending upon actual feed water quality conditions  
Backwash flowrates based on cold water. If regeneration feed water is above 45 of, the backwash flow rate will have to be increased



**NOTES:**

- MAXIMUM RECOMMENDED SYSTEM PRESSURE IS 100 PSIG (690 kPa).
- MAXIMUM RECOMMENDED SYSTEM TEMPERATURE IS 90° F (32°C).
- TANKS, AND MEDIA ARE NSF APPROVED. TRIPOD TANKS TO BE SECURELY ATTACHED TO THE FLOOR.
- ALL PIPING, FITTINGS, INTERCONNECTING PIPING, ISOLATION & SAMPLE VALVES AND GAUGES SHOWN BY BROKEN LINES ARE BY OTHERS
- SUPPLIED MANIFOLD IS SCH 80 PVC AND IS SUPPLIED WITH ONE VACUUM BREAKER. RECOMMENDED AIR RELEASE VALVE IS BY OTHERS. SYSTEM CAN BE PIPED AS RAW WATER OR TREATED WATER REGENERATION.
- ALL PIPING MUST BE PROPERLY SUPPORTED AND BRACE TO HANDLE THE THRUST OF THE CHANGE OF WATER FLOW (BY OTHERS)
- GLASS FIBER REINFORCED THERMOPLASTIC DIAPHRAGM VALVES ARE SEQUENCED BY AN ELECTRONIC MULTIPORT STAGER. ELECTRICAL POWER REQUIRED - 120 VOLT, 1 PHASE, 60 Hz. MULTI-TANK SYSTEMS ARE SERIES REGENERATION.

- 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 NSF APPROVED, NEXTSAND ON A GRADED SUPPORT BED

**DNX SERIES NEXTSAND  
DUPLIX FILTER SYSTEM**

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|          |                |       |
|----------|----------------|-------|
| Project: | Date: 2/20/024 | Rev 0 |
|          | Dwg# DNX 01    |       |