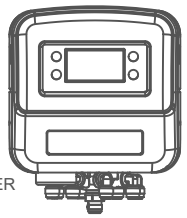
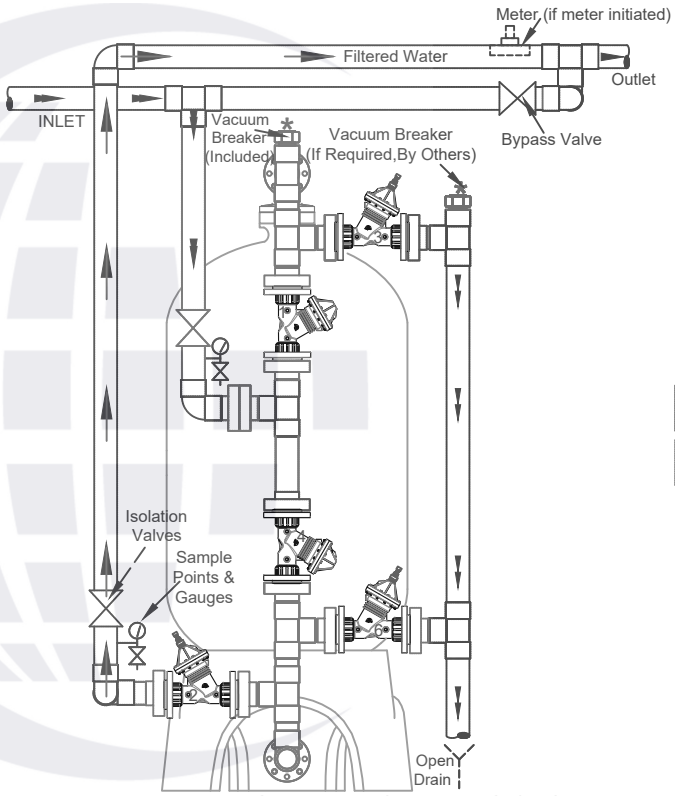
LEGEND:
- ISOLATION VALVE
- BYPASS VALVE
- PRESSURE GAUGE & SAMPLE POINT
- OPEN DRAIN
- VACUUM BREAKER
- RAW WATER LINES
- FILTERED WATER LINES
- WATER TO OPEN DRAIN



STAGER CONTROLLER

| DNX Series Single Model | Typical Max.Recommended Flow Rates | Peak Max.Recommended Flow Rates | RO Max.Recommended Flow Rates | Max Flow To Drain | Pipe Size Service | Pipe Size Drain | Media Per Tank | Mineral Tank Diameter | Mineral Tank Height | Installation Height | Installation Depth | Installation Width | Shipping Weight | Operating Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | USGPM | USGPM | USGPM | USGPM | in | in | CF | in | in | in | in | in | lbs | lbs |
| | l/s | l/s | l/s | l/s | mm | mm | ($m^3$) | mm | mm | mm | mm | mm | kg | kg |
| DNX 30-2" | 48.0 | 73 | 39.0 | 60.0 | 2" | 2" | 12.5 | 30 | 72 | 104 | 45 | 36 | 1,600 | 3,200 |
| | 3.0 | 4.6 | 2.5 | 3.8 | 50 | 50 | 0.35 | 762 | 1,829 | 2,642 | 1,143 | 914 | 726 | 1,452 |
| DNX 36-3" | 69.0 | 105 | 57.0 | 85.0 | 3" | 3" | 17.6 | 36 | 72 | 105 | 51 | 42 | 2,100 | 4,100 |
| | 4.3 | 6.6 | 3.6 | 5.4 | 75 | 75 | 0.50 | 914 | 1,829 | 2,667 | 1,295 | 1,067 | 953 | 1,860 |
| DNX 42-3' | 96.0 | 144 | 77.0 | 120.0 | 3" | 3" | 24.0 | 42 | 72 | 113 | 65 | 48 | 2,800 | 6,200 |
| | 6.0 | 9.1 | 4.9 | 7.6 | 75 | 75 | 0.68 | 1,067 | 1,829 | 2,870 | 1,651 | 1,219 | 1,270 | 2,813 |
| DNX 48-4" | 126.0 | 188 | 100.0 | 160.0 | 4" | 4" | 31.0 | 48 | 72 | 115 | 71 | 54 | 3,578 | 7,878 |
| | 7.9 | 11.8 | 6.3 | 10.1 | 100 | 100 | 0.88 | 1,219 | 1,829 | 2,921 | 1,803 | 1,372 | 1,623 | 3,574 |

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 45°F, The backwash flow rate will have to be increased.



TREATED WATER REGENERATION PIPING

RAW WATER REGENERATION PIPING SHOWN

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

Canature WaterGroup
Commercial/Industrial Engineering Division

## DNX SERIES NEXTSAND SINGLE FILTER SYSTEM

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| Project | Date | Rev |
|---|---|---|
| | 6/30/17 | |
| | Dwg # DNX 01 | 0 |