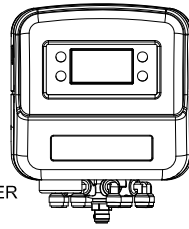


**LEGEND:**

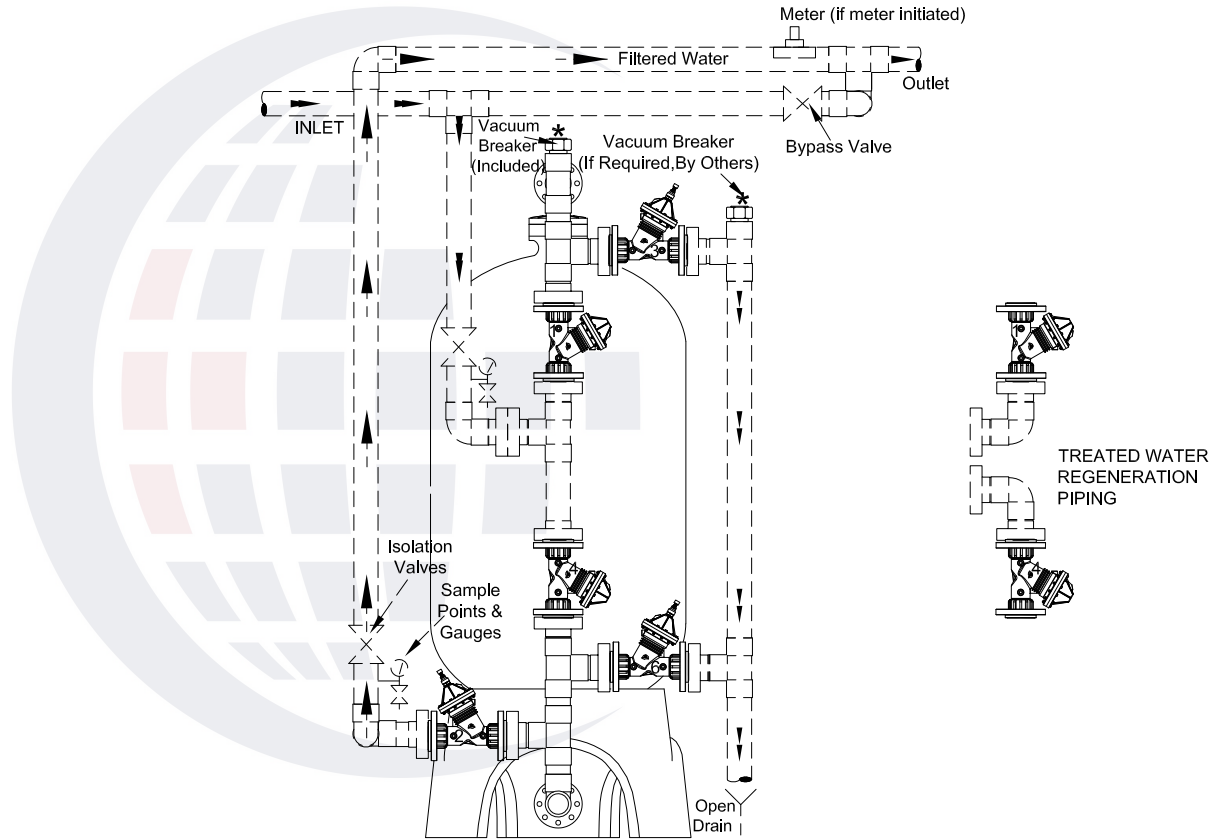
- ⊠ ISOLATION VALVE
- ⊠ BYPASS VALVE
- ⊗ PRESSURE GAUGE & SAMPLE POINT
- ∨ OPEN DRAIN
- \* VACUUM BREAKER
- ▬ RAW WATER LINES
- ▬ FILTERED WATER LINES
- ▬ WATER TO OPEN DRAIN
- ▬ TREATED WATER LINES

STAGER  
CONTROLLER



DNX Series Single Model	Typical		Peak		RO		Pipe Size		Media		Installation			Shipping Weight		Operating Weight	
	Max Recommended Flow Rate				Max Flow To Drain		Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width	Weight	Weight	
	USGPM	USGPM	USGPM	USGPM	USGPM	USGPM	in	in	ft3	in	in	in	in	in	lbs	lbs	
	l/s	l/s	l/s	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	kg	kg	
DNX 30-2"	80	73	39	60	2"	2"	12.5	30	88	99	36	36	1,345	2,945			
	5.05	4.61	2.46	3.79	50	50	0.35	762	2235	2515	914	914	610	1,336			
DNX 36-3"	69	105	57	85	2"	2"	17.6	36	87	100	42	42	1,834	4,134			
	4.35	6.62	3.60	5.36	50	50	0.50	914	2210	2540	1067	1067	832	1,876			
DNX 42-3"	96	144	77	120	3"	3"	24.0	42	95	108	48	48	2,536	5,936			
	6.06	9.08	4.86	7.57	75	75	0.68	1067	2413	2743	1219	1219	1,151	2,693			
DNX 48-4"	126	188	100	160	3"	3"	31.0	48	94	109	54	54	3,289	7,589			
	7.95	11.86	6.31	10.09	75	75	0.88	1219	2388	2769	1372	1372	1,492	3,443			

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



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

DNX SERIES NEXTSAND SINGLE FILTER SYSTEM		
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Project:	Date: 2/20/024	Rev 0
Dwg# DNX 01		

