LEGEND:

M BYPASS VALVE

PRESSURE GAUGE & SAMPLE POINT

OPEN DRAIN

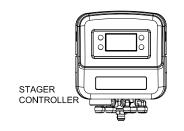
* VACUUM BREAKER

RAW WATER LINES

FILTERED WATER LINES

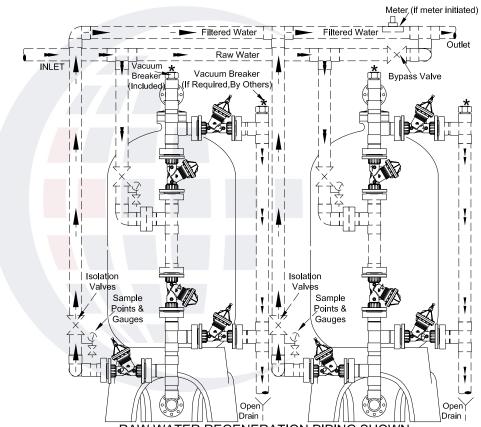
►► WATER TO OPEN DRAIN

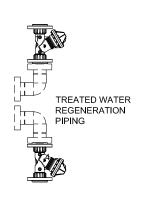
■ TREATED WATER LINES



DNX	Typical	Peak	RO	Max	Pipe Size		Media	Mineral Tank		Installation			Shipping	Operatin
Series	Max Recommended Flow Rate			Flow To Drain	Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width		g Weight
Duplex Model	USGPM	USGPM	USGPM	USGPM	in	in	ft3	in	in	in	in	in	lbs	lbs
	I/s	I/s	I/s	I/s	mm	mm	m3	mm	mm	mm	mm	mm	kg	kg
DNX 30-	160	146	78	60	2"	2"	12.5	30	88	99	36	69	2,691	5,891
2"	10.09	9.21	4.92	3.79	50	50	0.35	762	2235	2515	914	1753	1,221	2,673
DNX 36-	138	210	114	85	2"	2"	17.6	36	87	100	42	81	3,668	8,268
3"	8.71	13.25	7.19	5.36	50	50	0.50	914	2210	2540	1067	2057	1,664	3,751
DNX 42-	192	288	154	120	3"	3"	24.0	42	95	108	48	93	5,072	11,872
3"	12.11	18.17	9.72	7.57	75	50	0.68	1067	2413	2743	1219	2362	2,301	5,386
DNX 48-	252	376	200	160	3"	3"	31.0	48	94	109	54	105	6,577	15,177
4"	15.90	23.72	12.62	10.09	75	75	0.88	1219	2388	2769	1372	2667	2,984	6,886
Typical se	ervice bas	ed on 10	usgpm/ft2	Peak ba	sed on 15	usgpm/ft2	2 Flowrates	may chang	e dependi	ng upon a	ctual feed	water ou	ality condit	ions

Backwash flowrates based on cold water. If regeneration feed water is above 45 oF, the backwash flow rate will have to be increased





- 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.

RAW WATER REGENERATION PIPING SHOWN

- 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

Commercial/Industrial Engineering Division

DNX SERIES NEXTSAND **DUPLEX FILTER SYSTEM**

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Date: 2/20/024 Rev Dwa# DNX 01