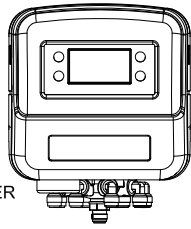


**LEGEND:**

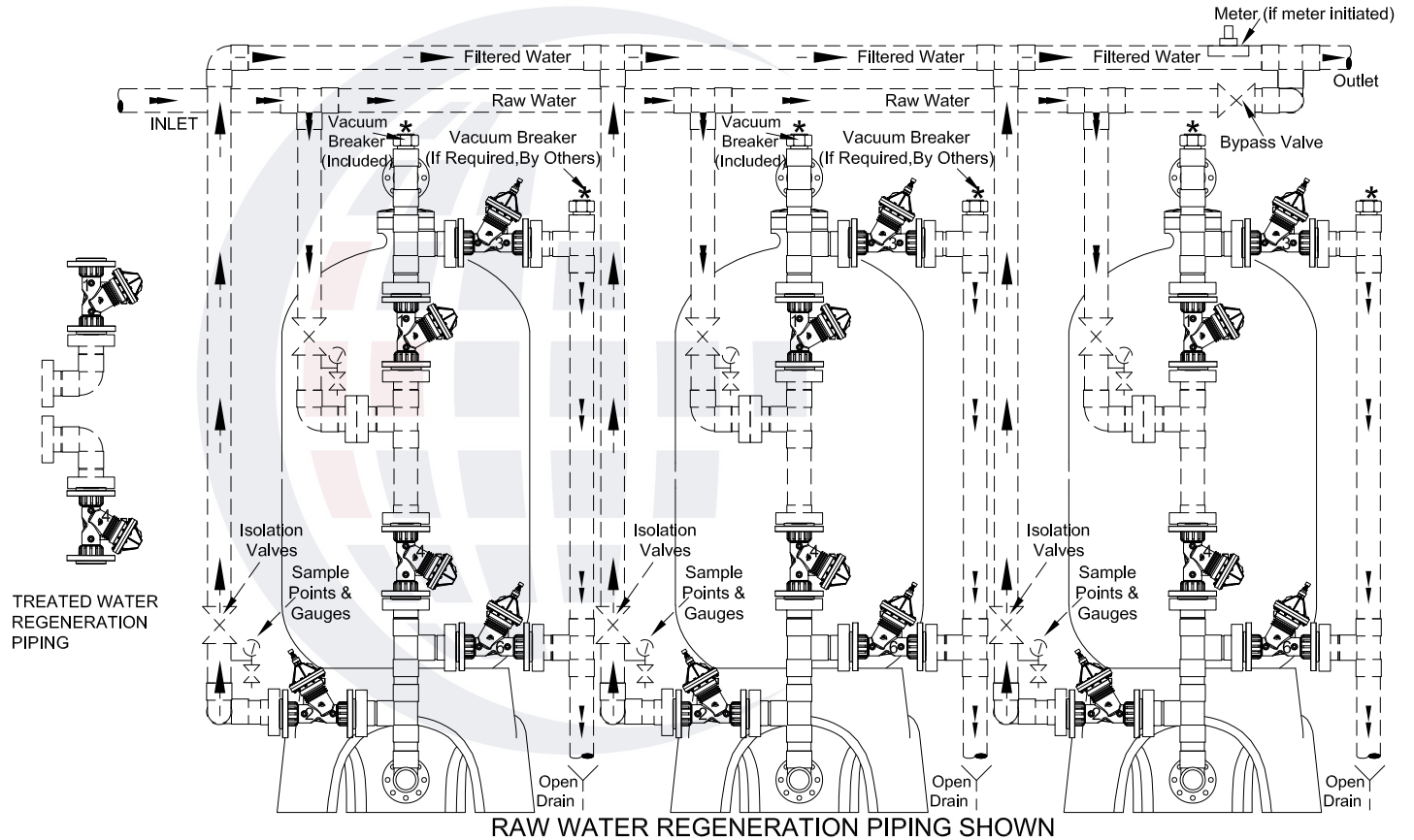
- ⊠ ISOLATION VALVE
- ⊠ BYPASS VALVE
- ⊗ PRESSURE GAUGE & SAMPLE POINT
- ∨ OPEN DRAIN
- \* VACUUM BREAKER
- ▬ RAW WATER LINES
- ▬ FILTERED WATER LINES
- ▬ WATER TO OPEN DRAIN
- ▬ TREATED WATER LINES

STAGER  
CONTROLLER



DNX Series Triplex Model	Typical			Peak	RO	Pipe Size		Media	Mineral Tank		Installation			Shipping	Operatin
	Max Recommended Flow Rate				Max Flow To Drain	Service	Drain	Per Tank	Diameter	Height	Height	Depth	Width	lbs	g Weight
	USGPM	USGPM	USGPM	USGPM		in	in		ft3	in	in	in	in		
	l/s	l/s	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	mm	kg	kg
DNX 30-2"	240	219	117	60	2"	2"	12.5	30	88	99	36	102	4,036	8,836	
	15.14	13.82	7.38	3.79	50	50	0.35	762	2235	2515	914	2591	1,831	4,009	
DNX 36-3"	207	315	171	85	2"	2"	17.6	36	87	100	42	120	5,502	12,402	
	13.06	19.87	10.79	5.36	50	50	0.50	914	2210	2540	1067	3048	2,496	5,627	
DNX 42-3"	288	432	231	120	3"	3"	24.0	42	95	108	48	138	7,607	17,807	
	18.17	27.25	14.57	7.57	75	50	0.68	1067	2413	2743	1219	3505	3,452	8,080	
DNX 48-4"	378	564	300	160	3"	3"	31.0	48	94	109	54	156	9,866	22,766	
	23.85	35.58	18.93	10.09	75	75	0.88	1219	2388	2769	1372	3962	4,476	10,329	

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  
TRIPLEX FILTER SYSTEM**

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	Dwg# DNX 03	