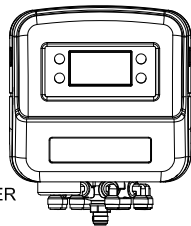


**LEGEND:**

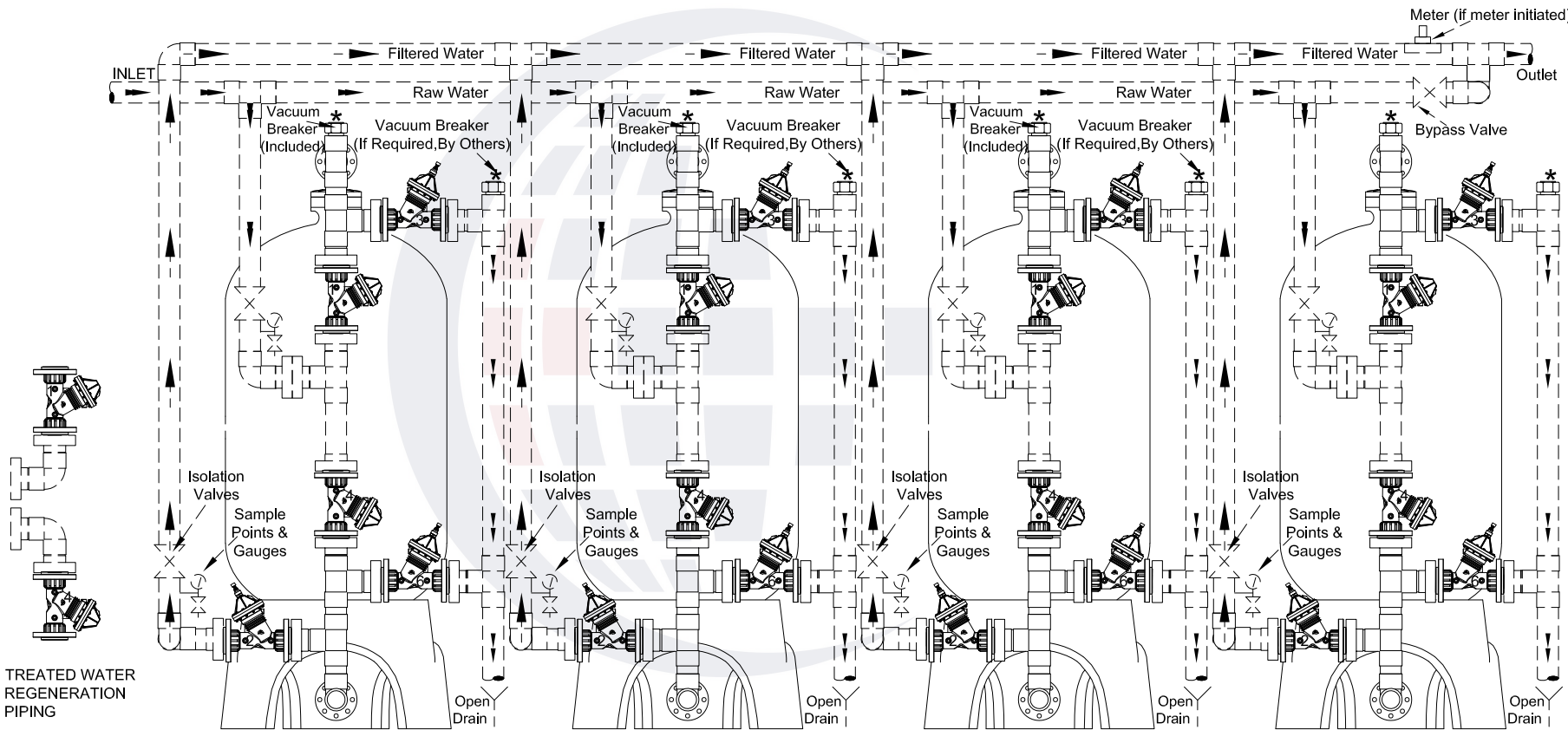
- ⊠ ISOLATION VALVE
- ⊠ BYPASS VALVE
- ⊠ PRESSURE GAUGE & SAMPLE POINT
- ∨ OPEN DRAIN
- \* VACUUM BREAKER
- ▬ RAW WATER LINES
- ▬ FILTERED WATER LINES
- ▬ WATER TO OPEN DRAIN
- ▬ TREATED WATER LINES

STAGER  
CONTROLLER



DBF Series Quadplex Model	Typical Service Flow Rate		Max Flow To Drain		Pipe Size		Media	Mineral Tank		Installation			Shipping Weight	Operating Weight
	USGPM	USGPM	in	in	ft3	Diameter	Height	Height	Depth	Width	lbs	lbs		
	l/s	l/s	mm	mm	m3	mm	mm	mm	mm	mm	kg	kg		
DBF 30-2"	100	50	2"	2"	12.5	30	88	99	36	135	4,594	10,994		
	6.31	3.15	50	50	0.35	762	2235	2515	914	3429	2,084	4,988		
DBF 36-2"	140	70	2"	2"	17.6	36	87	100	42	159	6,227	15,427		
	8.83	4.42	50	50	0.50	914	2210	2540	1067	4039	2,825	7,000		
DBF 42-3"	192	95	3"	3"	24.0	42	95	108	48	183	8,471	22,071		
	12.11	5.99	75	75	0.68	1067	2413	2743	1219	4648	3,844	10,014		
DBF 48-3"	252	125	3"	3"	31.0	48	94	109	54	207	11,042	28,242		
	15.90	7.89	75	75	0.88	1219	2388	2769	1372	5258	5,010	12,814		
DBF 63-4"	432	215	3"	4"	54.0	63	96	111	69	267	22,042	44,842		
	27.25	13.56	75	100	1.53	1600	2438	2819	1753	6782	10,001	20,346		

Service flow rate based on 5 usgpm/ft2. Hydrocharger (air induction) system sold separately.



**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 BIRM MEDIA ON A GRADED SUPPORT BED
- IF OPTIONAL AIR DRAW SYSTEM USED THE SYSTEM MUST BE DESIGNED SO THE HYDROCHARGER BANK DRAWS AIR CONTINUOUSLY.

**DBF SERIES BIRM  
QUADRAPLEX FILTER SYSTEM**

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Project:	Date: 2/20/024	Rev
	Dwg# DBF 04	0