WATERTRAK

Pre-engineered Water Treatment Solutions

Mixed Bed

Standard Features

- 100 PSI Carbon Steel Rubber Lined Tank
- Three Sight Glass Windows
- Strong Acid Cation & Strong Base Anion Resin
- Skid Mounted Schedule 80 PVC Piping
- PVC Hub Radial Inlet
- PVC Header Lateral Middle Collector
- Strainer on Plate Bottom Collector
- Thermal Safety Valve
- CI Butterfly Valve with SS Disc & EPDM Seat or Ball Valves
- Inlet/Outlet Pressure Gauges
- Thornton Conductivity Analyzer on Product
- Signet Flowmeter on Feed
- NEMA 4 CS Local Control Box
- PLC Controls

Options

- 150 PSI Tank
- ASME Stamped Carbon Steel Tank
- Sch. 10 SS Piping
- DI PPL Lined Piping for HCl
- Acid & Caustic Regeneration Skid
- Silica Analyzer
- NEMA 4X Enclosure

General

WATER*TRAK*™ Mixed Bed deionizers are quite superior to two-column deionizers in terms of the water quality they produce. As water passes through the mixed bed it has millions of chances to contact a cation bead, then an anion, then another cation and so on. An exchange takes place of course only when a positive ion contacts a negative ion and visa versa. With each exchange the purity of the water improves because more ions are removed and held by resin beads. This repeated process will deliver water which approaches chemically " pure" water. Treated water quality will be normally 0.15 us/cm conductivity, 10 PPB sodium and 10 PPB silica.

Applications

- As a working mixed bed
- As a polishing mixed bed
- Condensate polishing
- When maximum silica removal is required
- When chemically pure water is required

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Mixed Beds Matrix

Model	Dia	Straight Shell	Area	Anion Resin Resin Height	Cation Resin Height	Flow Range (Minimum - Maximum)	Anion Resin Volume (OH- Form)	Total Resin Height	Cation Resin Vol. (H+ Form)	Pipe Size Pattern	Shipping weight	Dimensions (Inches)		
	FT	FT	FT^2	FT	FT	GPM	FT^3	FT	FT^3	INCH	(LBS)	H	W	D
CARBON STEEL VESSEL														
MB-36096-215	3.0	8.0	6.68	2.00	2.00	27 - 90	13.4	4.0	13.4	2,1.5	2500	178	81	98
MB-36096-315	3.0	8.0	6.68	2.00	2.00	27 - 134	13.4	4.0	13.4	3,1.5	2500	178	86	98
MB-36120-215	3.0	10.0	6.68	3.00	2.00	34 - 90	20.1	5.0	13.4	2,1.5	2900	202	81	98
MB-36120-315	3.0	10.0	6.68	3.00	2.00	34 - 167	20.1	5.0	13.4	3,1.5	2900	202	86	98
MB-36144-215	3.0	12.0	6.68	4.00	2.00	40 - 90	26.8	6.0	13.4	2,1.5	3300	225	81	98
MB-36144-315	3.0	12.0	6.68	4.00	2.00	40 - 167	26.8	6.0	13.4	3,1.5	3300	225	86	98
MB-42096-22	3.5	0.0	9.17	2.00	2.00	37 - 90	18.4	4.0	18.4	2,2	2800	180	76	102
MB-42096-32	3.5	8.0	9.17	2.00	2.00	37 - 184	18.4	4.0	18.4	3,2	2800	180	87	103
MB-42096-42	3.5	8.0	9.17	2.00	2.00	37 - 184	18.4	4.0	18.4	4,2	2900	180	96	107
MB-42120-22	3.5	10.0	9.17	3.00	2.00	46 - 90	27.6	5.0	18.4	2,2	3200	205	76	102
MB-42120-32	3.5	10.0	9.17	3.00	2.00	46 - 200	27.6	5.0	18.4	3,2	3200	205	87	103
MB-42120-42	3.5	10.0	9.17	3.00	2.00	46 - 229	27.6	5.0	18.4	4,2	3300	205	96	107
MB-42144-22	3.5	12.0	9.17	4.00	2.00	55 - 90	36.7	6.0	18.4	2,2	3700	229	76	102
MB-42144-32	3.5	12.0	9.17	4.00	2.00	55 - 200	36.7	6.0	18.4	3,2	3700	229	76	103
MB-42144-42	3.5	12.0	9.17	4.00	2.00	55 - 229	36.7	6.0	18.4	4,2	3800	229	96	107
MB-48096-22	4.0	0.0	12.05	2.00	2.00	48 - 90	24.1	4.0	24.1	2,2	3000	184	87	108
MB-48096-32	4.0	8.0	12.05	2.00	2.00	48 - 200	24.1	4.0	24.1	3,2	3000	184	87	108
MB-48096-42	4.0	8.0	12.05	2.00	2.00	48 - 241	24.1	4.0	24.1	4,2	3100	184	96	113
MB-48120-32	4.0	10.0	12.05	3.00	2.00	60 - 200	36.2	5.0	24.1	3,2	3500	208	87	108
MB-48120-42	4.0	10.0	12.05	3.00	2.00	60 - 301	36.2	5.0	24.1	4,2	3600	208	96	113
MB-48144-32	4.0	12.0	12.05	4.00	2.00	72 - 200	48.2	6.0	24.1	3,2	4000	232	87	108
MB-48144-42	4.0	12.0	12.05	4.00	2.00	72 - 304	48.2	6.0	24.1	4,2	4100	232	96	113
MB-54096-23	4.5	0.0	15.32	2.00	2.00	61 - 90	30.7	4.0	30.7	2,3	3300	187	85	113
MB-54096-33	4.5	8.0	15.32	2.00	2.00	61 - 200	30.7	4.0	30.7	3,3	3400	187	85	125
MB-54096-43	4.5	8.0	15.32	2.00	2.00	61 - 307	30.7	4.0	30.7	4,3	3400	187	94	132
MB-54120-33	4.5	10.0	15.32	3.00	2.00	77 - 200	46.0	5.0	30.7	3,3	4000	211	85	125
MB-54120-43	4.5	10.0	15.32	3.00	2.00	77 - 383	46.0	5.0	30.7	4,3	4000	211	94	132
MB-54144-33	4.5	12.0	15.32	4.00	2.00	92 - 200	61.3	6.0	30.7	3,3	4500	212	85	125
MB-54144-43	4.5	12.0	15.32	4.00	2.00	92 - 383	61.3	6.0	30.7	4,3	4500	212	94	132
MB-60096-33	5.0	8.0	18.98	2.00	2.00	76 - 200	38.0	4.0	38.0	3,3	3600	190	86	136
MB-60096-43	5.0	8.0	18.98	2.00	2.00	76 - 380	38.0	4.0	38.0	4,3	3600	190	94	136
MB-60120-33	5.0	10.0	18.98	3.00	2.00	95 - 200	57.0	5.0	38.0	3,3	4300	214	86	136
MB-60120-43	5.0	10.0	18.98	3.00	2.00	95 - 380	57.0	5.0	38.0	4,3	4300	214	94	136
MB-60144-33	5.0	12.0	18.98	4.00	2.00	114- 200	76.0	6.0	38.0	3,3	4900	214	86	136
MB-60144-43	5.0	12.0	18.98	4.00	2.00	114- 380	76.0	6.0	38.0	4,3	4900	214	94	136
MB-66096-33	5.5	0.0	23.04	2.00	2.00	92 - 200	46.1	4.0	46.1	3,3	3900	190	94	135
MB-66096-43	5.5	8.0	23.04	2.00	2.00	92 - 380	46.1	4.0	46.1	4,3	3900	190	94	135
MB-66096-63	5.5	8.0	23.04	2.00	2.00	92 - 461	46.1	4.0	46.1	6,3	4000	190	97	137
MB-66120-43	5.5	10.0	23.04	3.00	2.00	115 - 380	69.2	5.0	46.1	4,3	4700	215	94	135
MB-66120-63	5.5	10.0	23.04	3.00	2.00	115 - 576	69.2	5.0	46.1	6,3	4700	215	97	137
MB-66144-43	5.5	12	23.04	4.00	2.00	138 - 380	92.2	6	46.1	4,3	5400	239	94	135
MB-66144-63	5.5	12	23.04	4.00	2.00	138 - 576	92.2	6	46.1	6,3	5400	239	97	137

Stainless Steel and DIPPL facepiping options available

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