

WETFILT FILTER SERIES

Water Engineering Technologies WETFILT range of filtration systems is the result of many years' experience in the development of water treatment plant. The filters remove suspended matter, turbidity, iron, color and odor from feed water which if not removed could adversely affect the performance of downstream equipment and processes, leading to costly downtime and production losses.

Automatic operation allows the filters to be used in variety of industrial applications. The systems incorporate a robust, corrosion resistant design, with an automatic multiport control valve systems and fiberglass vessel.



Multimedia Filters - For applications where suspended matter and turbidity are present. MMF Series of Filters reduce the amount of suspended solids in the feed water by filtering through a multi-layered filter bed. MMF Performance for turbidity or particulate removal depends on the flow rate and size of the particulars.

Activated Carbon Filters - For applications where chlorine, taint, odor or soluble organics are present. ACF Series of Filters reliably remove chlorine and reduce organics from the feed water by filtering through a bed of activated carbon. Activated carbon can also reduce level of organics by operation at low flow rates.

Iron Removal Filters - For applications where dissolved and un-dissolved iron and manganese are present. IRF singles of filters reduce dissolved iron present in the feed water. Many process reverse osmosis and demineralization must have Iron removed to their feed water to protect the membranes and resin from damage.

Features & Benefits

- Corrosion resistant fiberglass vessel
- Top mount control valve
- Time control backwash cycles
- Minimal operator involvement
- Easy to maintain, reliable

Applications

- Reverse Osmosis
- Hospitals
- Laundries
- General manufacturing
- Cooling tower

Other related products

WETSOFT

Automatic water softener to remove the total hardness present in water.

WETRO

Reverse Osmosis systems pre - produce high purity water removing up to 98% of dissolved inorganics & over 99% of large dissolved organics, colloids & particles.

WETSTP

Packaged Pre-fabricated sewage treatment plants based on MBBR technology for biological treatment.



WETFILT FILTRATION SYSTEM - MMF

Multi Media Filter Model	Inlet TSS Load (ppm)	Service Flow Rate						Backwash Flow rate		Vessel Diameter (Inch)	Vessel Height (Inch)	Valve Size (Inch)	Media Weight		Approx. Shipping Weight (Kg)
		Minimum		Normal		Maximum							Supporting Media + Sand (Kg)	Anthracite (Kg)	
		GPM	M3/Hr	GPM	M3/Hr	GPM	M3/Hr	GPM	M3/hr						
WETFILT-M-0844	< 25	1.3	0.3	3.52	0.80	4.1	0.93	6.6	0.93	08"	44"	1"	37.0	7.0	70.0
	< 50	1.3	0.3	2.70	0.62	3.52	0.80	7.92	1.1						
WETFILT-M-1054	< 25	2.20	0.50	5.28	1.20	6.60	1.50	6.6	1.5	10"	54"	1"	63	12	100
	< 50	2.20	0.50	4.40	1.00	5.28	1.20	7.92	1.8						
WETFILT-M-1252	< 25	3.08	0.70	7.92	1.80	9.68	2.20	9.68	2.2	12"	52"	1"	90	17	143
	< 50	3.08	0.70	6.60	1.50	7.92	1.80	11.44	2.6						
WETFILT-M-1354	< 25	3.52	0.80	9.24	2.10	11.00	2.50	11.44	2.6	13"	54"	1"	106	19	167
	< 50	3.52	0.80	7.48	1.70	9.24	2.10	13.2	3						
WETFILT-M-1465	< 25	4.40	1.00	11.00	2.50	13.20	3.00	13.2	3	14"	65"	1"	124	22	197
	< 50	4.40	1.00	8.80	2.00	11.00	2.50	15.4	3.5						
WETFILT-M-1665	< 25	5.72	1.30	14.08	3.20	17.16	3.90	16.72	3.8	16"	65"	1"	160	29	254
	< 50	5.72	1.30	11.44	2.60	14.08	3.20	19.8	4.5						
WETFILT-M-1865	< 25	7.04	1.60	18.04	4.10	21.56	4.90	22	5	18"	65"	1.5"	230	37	363
	< 50	7.04	1.60	14.52	3.30	18.04	4.10	25.52	5.8						
WETFILT-M-2162	< 25	9.68	2.20	24.64	5.60	29.48	6.70	29.48	6.7	21"	62"	1.5"	313	50	484
	< 50	9.68	2.20	19.80	4.50	24.64	5.60	34.32	7.8						
WETFILT-M-2472	< 25	12.76	2.90	32.12	7.30	38.28	8.70	38.28	8.7	24"	72"	1.5"	480	65	731
	< 50	12.76	2.90	25.52	5.80	32.12	7.30	44.88	10.2						
WETFILT-M-3072	< 25	19.80	4.50	50.16	11.40	60.28	13.70	60.28	13.7	30"	72"	2"	753	101	1156
	< 50	19.80	4.50	40.04	9.10	50.16	11.40	70.4	16						
WETFILT-M-3672	< 25	29.04	6.60	72.16	16.40	86.68	19.70	88	20	36"	72"	2.5"	1084	146	1651
	< 50	29.04	6.60	57.64	13.10	72.16	16.40	101.2	23						
WETFILT-M-4272	< 25	39.16	8.90	98.56	22.40	117.92	26.80	118.8	27	42"	72"	3"	1485	200	2300
	< 50	39.16	8.90	78.76	17.90	98.56	22.40	138.6	31.5						
WETFILT-M-4872	< 25	51.48	11.70	128.48	29.20	154.00	35.00	154	35	48"	72"	3"	1928	260	2936
	< 50	51.48	11.70	102.96	23.40	128.48	29.20	180.4	41						
WETFILT-M-6367	< 25	88.44	20.10	221.32	50.30	265.76	60.40	198	45	63"	67"	3"	3321	447	4970
	< 50	88.44	20.10	177.32	40.30	221.32	50.30	220	50						



WETFILT FILTRATION SYSTEM - ACF

Activated Carbon Filter Model	Service Flow Rate						Backwash Flow rate		Vessel Diameter (Inch)	Vessel Height (Inch)	Valve Size (Inch)	Media Weight		Approx. Shipping Weight (Kg)
	Minimum		Normal		Maximum							Supporting Media + Sand (Kg)	Activated Carbon (Kg)	
	GPM	M3/Hr	GPM	M3/Hr	GPM	M3/Hr	GPM	M3/hr						
WETFILT-C-0844	1.3	0.30	3.52	0.80	4.1	0.93	6.6	0.93	08"	44"	1"	20	16	50
WETFILT-C-1054	2.20	0.30	5.28	1.20	6.60	1.50	6.6	1.5	10"	54"	1"	25	20	70
WETFILT-C-1252	3.08	0.70	7.92	1.80	9.68	2.20	9.68	2.2	12"	52"	1"	42	28	95
WETFILT-C-1354	3.52	0.80	9.24	2.10	11.00	2.50	11.44	2.6	13"	54"	1"	50	33	113
WETFILT-C-1465	4.40	1.00	11.00	2.50	13.20	3.00	13.2	3	14"	65"	1"	58	38	135
WETFILT-C-1665	5.72	1.30	14.08	3.20	17.16	3.90	16.72	3.8	16"	65"	1"	75	50	175
WETFILT-C-1865	7.04	1.60	18.04	4.10	21.56	4.90	22	5	18"	65"	1.5"	95	63	230
WETFILT-C-2162	9.68	2.20	24.64	5.60	29.48	6.70	29.48	6.7	21"	62"	1.5"	166	86	345
WETFILT-C-2472	12.76	2.90	32.12	7.30	38.28	8.70	38.28	8.7	24"	72"	1.5"	217	113	465
WETFILT-C-3072	19.80	4.50	50.16	11.40	60.28	13.70	60.28	13.7	30"	72"	2"	452	176	870
WETFILT-C-3672	29.04	6.60	72.16	16.40	86.68	19.70	88	20	36"	72"	2.5"	650	253	1235
WETFILT-C-4272	39.16	8.90	98.56	22.40	117.92	26.80	118.8	27	42"	72"	3"	891	347	1730
WETFILT-C-4872	51.48	11.70	128.48	29.20	154.00	35.00	154	35	48"	72"	3"	1157	450	2195
WETFILT-C-6367	88.44	20.10	221.32	50.30	265.76	60.40	198	45	63"	67"	3"	1193	775	2730



FRP Tanks: 10" to 63" Dia

WETFILT FILTRATION SYSTEM - IRF

Iron Removal Filter Model	Service Flow Rate						Backwash Flow rate		Vessel Diameter (Inch)	Vessel Height (Inch)	Valve Size (Inch)	Media Weight		Approx. Shipping Weight (Kg)
	Minimum		Normal		Maximum							Supporting Media + Sand (Kg)	Birm Media (Kg)	
	GPM	M3/Hr	GPM	M3/Hr	GPM	M3/Hr	GPM	M3/hr						
WETFILT-I-1054	1.76	0.40	2.64	0.6	3.08	0.7	6.6	1.5	10"	54"	1"	25	26	77
WETFILT-I-1252	2.64	0.60	3.96	0.9	4.84	1.1	9.68	2.2	12"	52"	1"	42	37	106
WETFILT-I-1354	3.08	0.70	4.40	1	5.72	1.3	11.44	2.6	13"	54"	1"	50	43	125
WETFILT-I-1465	3.52	0.80	5.28	1.2	6.60	1.5	13.2	3	14"	65"	1"	58	50	150
WETFILT-I-1665	4.40	1.00	7.04	1.6	8.80	2	16.72	3.8	16"	65"	1"	75	66	195
WETFILT-I-1865	5.72	1.30	8.80	2	11.00	2.5	22	5	18"	65"	1.5"	95	83	250
WETFILT-I-2162	7.92	1.80	11.88	2.7	14.52	3.3	29.48	6.7	21"	62"	1.5"	166	113	375
WETFILT-I-2472	10.12	2.30	15.40	3.5	19.36	4.4	38.28	8.7	24"	72"	1.5"	217	147	502
WETFILT-I-3072	15.84	3.60	24.20	5.5	29.92	6.8	60.28	13.7	30"	72"	2"	452	230	935
WETFILT-I-3672	23.32	5.30	34.76	7.9	43.12	9.8	88	20	36"	72"	2.5"	650	331	1330
WETFILT-I-4272	31.68	7.20	47.52	10.8	59.40	13.5	118.8	27	42"	72"	3"	891	454	1857
WETFILT-I-4872	41.36	9.40	61.60	14	77.00	17.5	154	35	48"	72"	3"	1157	589	2360
WETFILT-I-6367	70.84	16.10	105.60	24	132.00	30	198	45	63"	67"	3"	1193	1015	3020

Design Basis:

1. Inlet Iron Concentration: 5 - 7 ppm max.
2. Free Chlorine in feed water: Nil
3. TSS load in feed water: < 5 ppm
4. Feed water pH: 7 - 9
5. Dissolved Oxygen in feed water: 15% of iron conc.
6. Hydrogen Sulfide in feed water: Nil



The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as describe or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of the contracts. Subject to change without prior notice.