



Multi-Media Filters

Removal of Solids Down to 5 Microns

Rain Bird Multi-Media filters are designed for enhanced water quality filtration for the removal of organic and inorganic suspended solids down to 5 microns. Multi-Media filters may be used as a stand-alone system or in conjunction with or as a pretreatment for other filtration technologies.

The Multi-Media Filtration Systems utilize a vertical side shell depth of 60" with accompanied reverse stacked medias for progressive filtration through the filtration system. All Rain Bird industrial media filters utilize our simple backwash system for ease of operation and consistent water quality. Removal of Solids Down to 5 Microns

Applications

- Removal of organic and/or inorganic suspended solids down to 5 microns with enhanced solids capacity vs. single media sand filtration
- Storm water runoff, industrial process water, incoming plant water, waste water clean-up, industrial water for plant reuse
- Pre-filtration in applications such as granular activated carbon, reverse osmosis, cartridge or bag filtration and deionized water
- 80 psi standard operating pressure (high pressure systems available)
- Flow ranges from 10 gpm and up

Advantages

- State of the art fabrication provides added strength under pressure and long system life
- ASME code shaped head construction for durability and safety
- Stainless steel wedgewire underdrain
 - Ensures structural integrity in the harshest conditions
 - Hydraulically balanced to increase effectiveness of backwash while reducing flush frequency and waste of water



- High strength stainless steel wedgewire will withstand a collapse pressure in excess of 600 psi
- Standard carbon steel products, 3/16" thick material
- Backwash automatically initiated by elapsed time or pressure differential.
- Easy-entry lid closure with weld tabs for operator safety
- Available in welded carbon steel or stainless steel
- 3M Scotchkote® 134 fusion bonded epoxy coating on interior surfaces

Standard product includes:

- Completely assembled for easy installation
- Skid mounted tanks
- Rain Bird easy-entry lid closure with side manway
- Valves

- Inlet/outlet and backwash manifolds
- Controller, solenoids, electrical wire, tubing
- Removable underdrain
- 3M Scotchkote® 134 fusionbonded epoxy coating on interior surfaces

Available options:

- ASME code
- High pressure
- Solar package
- PLC controller
- Custom filter station layout piping
- Air scour
- Continuous flow
- Rinse to waste

Multi-Media Filters Specifications

Model	Number of Tanks in System	Standard Flow Ranges				Filtration Surface Area (Total sq ft)	Backwash Flow Rate (per tank)		Media Requirements (cubic feet per tank)				Maximum Pressure	Inlet/Outlet Pipe Size (in)	Backwash Line Pipe Size (in)
		Minimum Flow		Maximum Flow			gpm	m ³ /hr	Gravel (1/2" - 3/4")	Garnet 1.45 mm	Garnet 0.35 mm	Anthracite 0.75 mm			
		gpm	m ³ /hr	gpm	m ³ /hr										
MM-1860-1A	1	9	2	26	6	1.77	27	6	1	1	2.5	2.5	100 psi	2"	2"
MM-2460-1A	1	16	4	47	11	3.15	47	11	2	2	5	5	100 psi	2"	2"
MM-1860-2A	2	18	4	53	12	3.54	27	6	1	1	2.5	2.5	100 psi	2"	2"
MM-3060-1A	1	25	6	74	17	4.91	74	17	3	3	8	8	100 psi	3"	3"
MM-1860-3A	3	27	6	79	18	5.31	27	6	1	1	2.5	2.5	100 psi	3"	2"
MM-2460-2A	2	32	7	95	22	6.30	47	11	2	2	5	5	100 psi	3"	2"
MM-3660-1A	1	35	8	107	24	7.10	107	24	4	4	11	11	100 psi	3"	3"
MM-2460-3A	3	48	11	142	32	9.45	47	11	2	2	5	5	100 psi	3"	2"
MM-3060-2A	2	50	11	147	33	9.82	74	17	3	3	8	8	100 psi	4"	2"
MM-4860-1A	1	63	14	189	43	12.60	189	43	7	7	19	19	80 psi	4"	4"
MM-3660-2A	2	70	16	213	48	14.20	107	24	4	4	11	11	100 psi	4"	4"
MM-3060-3A	3	75	17	221	50	14.73	74	17	3	3	8	8	100 psi	4"	2"
MM-5460-1A	1	80	18	239	54	15.91	239	54	10	8	24	24	80 psi	4"	4"
MM-3660-3A	3	105	24	320	73	21.30	107	24	4	4	11	11	100 psi	4"	4"
MM-4860-2A	2	126	29	378	86	25.20	189	43	7	7	19	19	80 psi	6"	4"
MM-5460-2A	2	160	36	477	108	31.82	239	54	10	8	24	24	80 psi	6"	4"
MM-4860-3A	3	189	43	567	129	37.80	189	43	7	7	19	19	80 psi	6"	4"
MM-5460-3A	3	240	55	716	163	47.73	239	54	10	8	24	24	80 psi	6"	4"
MM-4860-4A	4	252	57	756	172	50.40	189	43	7	7	19	19	80 psi	8"	4"
MM-4860-5A	5	315	72	945	215	63.00	189	43	7	7	19	19	80 psi	10"	4"
MM-5460-4A	4	320	73	955	217	63.64	239	54	10	8	24	24	80 psi	8"	4"
MM-4860-6A	6	378	86	1134	258	75.60	189	43	7	7	19	19	80 psi	10"	4"
MM-5460-5A	5	400	91	1193	271	79.55	239	54	10	8	24	24	80 psi	10"	4"
MM-5460-6A	6	480	109	1432	325	95.46	239	54	10	8	24	24	80 psi	10"	4"

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www.rainbird.com