

Series MF

Magnetic Drive Pump Filter System



Model MF-7200

Features:

- All Plastic Construction
- Leakproof
- Corrosion Resistant
- Filters Acid and Alkaline Solutions to 180°F
- Flows to 3600 GPM
- Optional Priming Chambers
Casters Available

Recommended Applications:

- Plating Solutions
- Pharmaceuticals
- Photographic Solutions
- Acid and Alkaline Solutions

Series MF

Magnetic Drive Pump Filter System



Model MF-300L

Polypropylene - Ryton Pump/CPVC - Polypropylene Filter Chamber								
Filter System Model	Filtration Rate GPH	Pump Model	Chamber Model	Number of Filter Tubes and Length	Dimensions Pump & Chamber			
					Ht	Wth	Lth	Wt (lbs)
MF-60	0-90	M-1/14B	3C-6A	1-6"	18"	10"	14"	21
MF-100	100-200	M-1/14B	3C-1B	1-10"	21"	10"	14"	25
MF-200	200-300	M-1/8B	3C-2A	1-20"	31"	10"	14"	30
MF-300L	300-400	M-1/4B	3C-3A	1-30"	41"	10"	14"	45
MF-300LB	300-500	M-1/3B	4C-3B	1-30"	41"	10"	14"	52
MF-300	300-550	M-1/3B	6C-3A	3-10"	28"	18"	21"	75
MF-500	500-800	M-1/3B	8C-5A	5-10"	28"	19"	21"	89
MF-600	600-900	M-3/4B	6C-6A	3-20"	38"	18"	21"	113
MF-900	900-1400	M-3/4B	6C-9A	3-30"	48"	18"	21"	122
MF-1000	1000-1500	M-3/4B	8C-10A	5-20"	38"	19"	21"	138
MF-1200	1200-1800	M-3/4B	12C-12A	12-10"	28"	28"	24"	140
MF-1500	1500-2300	M-3/4B	8C-15A	5-30"	48"	19"	21"	148
MF-2400	2400-3600	MT-1 1/2B	12C-24A	12-20"	38"	28"	24"	174
MF-3600	3600-5400	MT-3B	12C-36A	12-30"	48"	28"	48"	240

Polypropylene - Ryton Pump/CPVC Dual Filter Chamber								
Filter System Model	Filtration Rate GPH	Pump Model	Chamber Model	Number of Filter Tubes and Length	Dimensions Pump & Chamber			
					Ht	Wth	Lth	Wt (lbs)
MF-1800**	1800-2800	M-3/4B	2-6C-9A	6-30"	48"	20"	33"	164
MF-2000**	2000-3000	MT-1 1/2B	2-8C-10A	10-20"	38"	20"	35"	168
MF-3000**	3000-4600	MT-2B	2-8C-15A	10-30"	48"	20"	35"	175
MF-4800**	4800-7200	MT-5B	2-12C-24A	24-20"	48"	28"	48"	360
MF-7200	7200-10000	MT-7 1/2B	2-12C-36A	24-30"	48"	28"	48"	440

** Chambers mounted in parallel on common polypropylene base, piped and individually valved

Polypropylene chambers in lieu of CPVC are available on filter systems. Consult Factory.

Penguin MF series filter systems are specifically designed for leakproof filtering and circulating. Equipped with the Penguin M & MT series polypropylene magnetic driven pump and the rugged Penguin CPVC or polypropylene filter chamber, MF filter systems are designed for continuous trouble-free service. The smaller compact MF filter system is excellent for complete corrosion resistant filtration in laboratories, pilot plants, and production applications. The larger MF filter system provides a high volume, high pressure filter system to which casters can be added for portability. Simple in design and efficient in performance, these systems are recommended for acid and alkaline solutions. These include all precious metal plating solutions, high chloride, sulfuric, and alkaline cyanide solutions. Penguin MF filter systems are easy to clean and simple for tube replacement. The single threaded head or the easy grip handles requiring no tools, release the filter chamber head. There is no dismantling and no danger from breakage.

Penguin filter chambers are constructed of CPVC or polypropylene to 180°F and feature completely leakproof filtration.

Penguin filter chambers have no fragile lucite or glass. They can accept either Penguin PF series filter cartridges or optional PS filter sleeves. The M and MT series pumps, constructed of polypropylene, are magnetically driven. The only moving part in the pump is the polypropylene encapsulated impeller magnet assembly, which rotates on an internal pure ceramic spindle up against a ceramic thrust washer. Because the pump is seal-less there is no leakage due to seal wear. An oversized priming chamber can be added to facilitate priming the pump.

All Penguin filter systems are fully equipped and ready to operate including valves, polypropylene base, 20 feet of reinforced braided hose, all necessary clamps and fittings, drain valve, flow control valve, and initial set of Penguin PF filter cartridges (15 micron unless otherwise specified). Those systems, which incorporate a series 6C, 8C or 12C filter chamber, also include a PG series pressure gauge and guard assembly and vent valve. Penguin M series pumps are equipped with a 6 ft. cord/grounding plug on single phase motors only. Three phase motors are shipped unwired.