

Series SM

Spacemaker Filtration System

Features:

- Ultra Compact and Efficient
- Corrosion Resistant
- No Metal Contact
- Leakproof
- Optional Priming Chamber

Recommended Applications:

- Acid and Alkaline Solutions
- Plating Solutions
- Pharmaceuticals



Model SM-600 SP

Penguin Series SM filter systems are designed to provide a complete, ultra compact, portable, leakproof filter system. Equipped with the Penguin M Series polypropylene or PVDF magnetic drive pump and the rugged Penguin CPVC or polypropylene filter chamber. SM filter systems are a simple, economical, efficient system for filtering and circulating acid and alkaline solutions. These include precious metal plating solutions, high chlorides, sulfuric and alkaline cyanide solutions. The smaller, compact SM filter systems are excellent for complete corrosion resistant filtration in laboratories, pilot plants and production applications. Penguin SM filter systems are easy to clean and simple for filter cartridge replacement. The single threaded head or the easy grip handles requiring no tools, releases the filter chamber head. There is no dismantling and no danger from breakage.

Penguin filter chambers are constructed of CPVC or polypropylene to handle solution temperature to 180°F and feature completely leakproof filtration. Penguin filter chambers have no fragile Lucite or glass. They can accept most Penguin filter cartridges. The M Series pumps, constructed of polypropylene or PVDF are magnetically driven. The only moving part in the pump is the plastic encapsulated impeller magnet assembly that 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.

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Model SM-100LBC**

All Penguin filter systems are fully equipped and ready to operate including valves, polypropylene base, drain valve, flow control valve, and initial set of filter cartridges (15 micron unless otherwise specified). Those systems which incorporate series 6C filter chambers also include Penguin PG series pressure gauge and guard assembly and vent valve.

Penguin M Series pumps are equipped with a TEFC motors. Single and three phase are available on most sizes.

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
SM-60*	0-90	M-1/14B	3C-6A	1-6"	19	6	11	21
SM-100*	100-200		3C-1B	1-10"	23			25
SM-200*	200-300	M-1/8B**	3C-2A	1-20"	33	9	16	30
SM-300L*	300-400	M-1/4B**	3C-3A	1-30"	43			45
SM-300LB*	300-500	M-1/3B**	4C-3B	1-30"	31	10	24	52
SM-300	300-550		6C-3A	3-10"				75
SM-600	600-900	M-1/2B**	6C-6A	3-20"	41	10	24	113
SM-900	900-1400	M-3/4B**	6C-9A	3-30"	51			122

* No drain valves

**PVDF optional