

Spacemaker Filter System



*Model SM-600 with optional
priming chamber*

Features:

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

Recommended Applications:

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

Series SM

Spacemaker Filter System



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			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

Model SM-300LB

Penguin series SM filter systems are designed to provide a complete, ultra compact, portable, and leakproof filter system. They are equipped with the Penguin M series polypropylene magnetic drive pump and the rugged Penguin CPVC or polypropylene filter chamber. SM filter systems are a simple, economical and efficient for filtering and circulating acid and alkaline 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 with the easy grip handle requires no tools to 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 max and feature completely leakproof filtration. Penguin filter chambers have no fragile lucite or glass. They can accept either Penguin PF, PC, or PP series filter cartridges or optional PS filter sleeves. The

M 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 sealless 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 series 6C filter chambers also include a PG series pressure gauge and guard assembly and vent valve. Penguin M series pumps are equipped with a cord/grounding plug on single phase motors only. Three phase motors are shipped unwired.