



A SERIES FILTER SYSTEMS

CPVC In-Tank Pump Outside Filter System

FEATURES & CAPABILITIES

- Self-Priming when Immersed
- Corrosion Resistant - No Metal Contact
- Heavy Duty Operation
- Unique Design - No Liquid Bypass
- Flows to 10,000 GPM

APPLICATIONS

- Acid and Alkaline Solutions
- Electroless Nickel and Copper
- Fluoborates
- Electropolishing Solutions



Penguin Series A filter systems are ruggedly constructed and corrosion resistant. These systems are designed for continuous operation with no metal to liquid contact. The Series A filter system is versatile and easy to install since both pump and filter chamber are independent units. The Penguin P series pump can be mounted anywhere along the tank lip. Only the filter chamber needs to be floor mounted. Thus Series A filter systems require minimum floor space. Simple in design and efficient in performance, these systems are recommended for all precious metal plating baths, electroless nickel and copper, as well as many acid and alkaline solutions. Series A filter systems are easy to clean and filter cartridge replacement is simple. The easy grip handles require no tools to release the filter chamber head. Unscrew the tube nuts and simply replace the filter cartridge. There is no dismantling and no danger from breakage. Penguin filter chambers are constructed of CPVC and feature completely leakproof filtration. Penguin filter chambers have no spring or fragile lucite or glass. They can accept either Penguin PF series filter cartridges or optional PS series filter sleeves. The P series pumps are in-tank, sealless, bearing-free, and self-priming when immersed, to supply maintenance free operation. P series pumps can even run dry without damage.

Penguin Series A filter systems are available in numerous sizes to serve all medium and large volume tanks. All material in contact with the solution is high temperature CPVC providing a highly corrosion resistant filter system with no wearing parts. As an option, most systems, both pumps and chambers, are available in polypropylene. All Penguin Series A filter systems are fully equipped and ready to operate 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 PG series pressure gauge and guard assembly and vent valve. Penguin P series pumps are equipped with TEFC motors with an oversized bearing set for easy replacement, and an epoxy coated motor housing for acid resistance. All single phase motors are supplied with a 6' cord/grounding plug and three phase motors are shipped unwired.

SERIES A

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CPVC Pump/ CPVC Filter Chamber												
Filter System Model	Filtration Rate GPH	Pump Model	Chamber Model	Number of Filter Tubes and Length	Pump Dimensions				Chamber Dimensions			
					Ht	Wth	Lth	Wt	Ht	Wth	Lth	Wt
A-300	300-720	P-1/4A	6C-3A	3-10"	22	10	7	32	25	7	7	34
A-500	500-1200	P-1/2A	8C-5A	5-10"				45		9	9	40
A-600	600-1440	P-1/2A-HP	6C-6A	3-20"					35	7	7	43
A-900	900-2160	P-3/4A	6C-9A	3-30"				47	45			52
A-1000	1000-2400	P-3/4A-HP	8C-10A	5-20"					35	9	9	55
A-1200	1200-2880	P-1A	12C-12A	12-10"				50	25	16	16	85
A-1500	1500-3600	P-1 1/2A	8C-15A	5-30"	28	6	6	53	45	9	9	67
A-2400	2400-4200	P-2A	12C-24A	12-20"					35	16	16	110
A-3600	3600-6000	P-3AK	12C-36A	12-30"				60				160

CPVC Pump/ CPVC Dual Filter Chambers												
Filter System Model	Filtration Rate GPH	Pump Model	Chamber Model	Number of Filter Tubes and Length	Pump Dimensions				Chamber Dimensions			
					Ht	Wth	Lth	Wt	Ht	Wth	Lth	Wt
A-1800•	1800-3240	P-1 1/2A	2-6C-9A	6-30"	28	10	6	53	45	14	24	130
A-3000•	3000-5400	P-2A	2-8C-15A	10-30"				60	45	16	26	155
A-4800•	4800-7200	P-5AK	2-12C-24A	24-20"	24	9	9	100	35	24	35	240
A-7200•	7200-10000	P-7 1/2AK	2-12C-36A	24-30"				120	45			275
• Chambers mounted in parallel on common polypropylene base, piped and individually valved. Some models available in polypropylene.												

