

VENDOR CATALOG / FILTER PUMP

Filter Pump Catalog

A division of Finish Thompson — filter chambers, Penguin Series vertical pumps, complete filter systems, and metal-free filtration media for corrosive plating and process solutions.

FILTER CHAMBERS

C · CB/CBK · CT · MR-SR

Cartridge, bag, and carbon chambers for aqueous alkaline/acidic solutions up to 230°F – no metal-to-liquid contact.

Model	Materials	Notable
C Filter Chambers	PP/CPVC/PVDF	Flow to 200 GPM; plating bath filtration in surface/metal finishing and aerospace
CB Bag Filter	CPVC + FKM, no lucite/glass	Higher operating temps and/or 100 psi at ambient via double O-ring labyrinth seal
MR-SR Metal Recovery	Ion exchange resin	Recovers up to 3 troy oz precious metal per lb of resin from rinse water



PENGUIN SERIES PUMPS

P • PHF • PS • PX • MTD

Same family, meaningfully different envelopes by material choice: P Series (280°F) vs. PHF/PX (180°F, CPVC-only or CPVC+PTFE/PVDF) vs. PS (316SS, -30°F to 211°F).

Model	Materials	Max Temp	Notable
P Vertical Pump	CPVC/PP/PVDF	280°F	Handles corrosive, slurry, and abrasive solutions
PHF Vertical Pump	CPVC only	180°F	Double-impeller, self-priming, no seals/bushings/bearings to wear
PS Stainless Steel	316 SS	-30–211°F	Handles cleaners, caustics, chlorinated solvents, photographic chemicals
MTD Magnetic	Sealless mag-drive	—	Handles specific gravity to 1.8; carbon bushings resist dry-run damage



COMPLETE FILTER SYSTEMS

ASF · BF · MF · SM Spacemaker

Model	Materials	Notable
ASF InTank Suction	CPVC/PP/PVDF	Filtration rate to 3,400 GPH
BF Bag Filtration	Open bag system	One 7"x16" bag = workload of 12× 10" string-wound depth cartridges
MF Magnetic Drive System	PP mag-drive pump + CPVC/PP chamber	Acid/alkaline solutions incl. precious metal plating, high chloride, sulfuric, alkaline cyanide
PES Penductor System	Venturi eductor design	Circulates 4-5 gallons of solution per gallon pumped



FILTRATION MEDIA & MIXERS

Carbon Cartridges · String Wound · PM Mixers

Product	Materials	Notable
Carbon Filter Cartridges	PLC/M/C/CP/GC styles	Sulfur-free highly-activated coconut granular carbon (C, GC styles)
String Wound (PF Series)	PP, cotton, rayon, glass fiber	Diamond-shaped tunnels narrow outer-to-core for progressive particle capture
Pleated Filters	PP/nylon/PTFE	50-micron nominal to 0.10 micron absolute, no surfactants/binders to leach
PM Tank-Drum Mixers	316SS or metal-less PP	Standard, or fully metal-less option with sleeved shaft



NEXT STEP

Send LibertyCES the process data, not a part number.

Filter chambers, Penguin Series pumps, complete filter systems, and filtration media — real Filter Pump model specs, but your actual application still has a specific chemical, temperature, and flow requirement that determines the correct model.

Fluid, chemistry, concentration, temperature, required flow rate, and micron rating — that's what a real spec review needs to start.

Request a spec review

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