MEGA-FLO [©] FILTRATION SYSTEMS

Compact, high flow, efficient and durable systems designed to handle a variety of solutions including —

Electroplating, Printed Circuit Board, Waste and Water Treat, Fume Scrubber, Cooling Tower Reservoir and more!



MEGA-FLO filtration systems are compact, high flow, high capacity systems which are corrosion resistant, easy to install and simple to operate.

You can choose PVC construction for applications to 140° F or SERFILCO's exclusive PPP polypropylene construction for applications to 180° F.

Systems are available with a single or double mechanical seal pump or with a magnetic coupled polypropylene pump to meet almost any application. Double seal pumps are recommended for use with solutions having ferrous metal particles, excessive abrasives and for solutions which crystallize when cooled. In addition, the double water flush seal pump is an excellent choice for applications requiring dry-run operation.

FEATURES

- High flow rate 8,500 21,000 GPH
- Non-metallic, corrosion resistant
 PVC construction (to 140° F) with polypropylene or CPVC pump

PPP high temperature polypropylene construction (to 180° F) with polypropylene or CPVC pump

(See a chemical resistance guide.)

- High capacity to 130 cartridge (455 sq. ft. of solids holding capacity)
- Optional 21 84 lb. capacity carbon chamber
- Optional 30 gallon slurry tank
- Standard NEMA 4X motor starter with overload protection

BENEFITS

- Easy cartridge changeout
- Improve finished goods and process quality, minimize scrap and rework
- Reduce chemical consumption by maintaining solution quality
- Minimize bath maintenance and downtime with high flow continuous particle removal

Filter chambers feature rugged machined construction with oversized ports for low pressure differential. Low pressure drop and high surface area (solids holding capacity) mean long periods of high flow, continuous dirt removal between cartridge changes.

Select a system which will provide 3.5 - 7.0 square ft. of solids holding area per 50 gallons of solution. Flow rate should be 2 - 10 tank turnovers per hour, depending on clarity desired. Coarse media and high flows are desirable for high dirt load applications. Increasing the number of cartridges reduces solution flow per cartridge, improves efficiency and reduces cartridge consumption.

MEGA-FLO Specifications and ordering information

Standard MEGA-FLO systems include:

- PVC or PPP polypropylene construction.
- Corrosion resistant mounting base.
- Stainless steel external hardware and fasteners.
- Swing bolt chamber closure.

- Flange connections.
- PSI gauge guard assembly and vent valve.
- NEMA 4X watertight motor starter with overload protection.
- 230-460V/3/50-60 Hz, TEFC motors

SYSTEM: MEGA-FLO filtration systems are built on a rugged hooded base assembly which protects the pump motor and supports the filter chamber. This design allows maximum filtration performance while requiring minimal floor space.

PUMP: Your choice — Series 'HE', 'H' or 'F'.

Series 'HE' single or double seal pumps are available in CPVC or PPP polypropylene. Series 'H' single or double seal pumps are constructed of CPVC. Both 'HE' and 'H' pumps feature EPDM elastomers and silicon carbide seals. Double seal pumps include SERFILCO's award winning DRI-STOP® seal protector.

Series 'F' 2 x 2 magnetic-coupled pumps are constructed of glass reinforced polypropylene with Viton® 'O'-ring.

All pump motors are chemical service, continuous duty, TEFC with two-part epoxy paint. Motors are 230-460V/3/50-60Hz with 1.15 service factor.

FILTER: Choice of PVC (140° F) or PPP polypropylene (180° F) construction. Accommodates 130 cartridges for PVC and 110 cartridges for PPP. Rugged machined shell, base and cover provide non-metallic solution contact.

The cover includes a 316 stainless steel reinforcing plate and lift handles. The chamber includes a 0 - 60 PSI gauge with guard assembly, vent valve assembly and EPDM elastomers.

PPP chamber with magnetic drive or mechanical seal pump

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PRICE CODE NUMBER	FLOW GPH @ 60 Hz	MEDIA	PUMP HP (RPM)	PUMP TYPE **	FLANGE CONNS. SUCT. x DISCH.	DIMENSIONS L x W x H	SHIPPING WEIGHT Lbs.	
66 CARTRIDGE SYSTEMS (231 s. f. *)								
PPJ66F2750	8,500	22 - 30"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 60"	300	
PPJ66HE450	9,000	22 - 30"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 60"	300	
PPJ66H3250	12,000	22 - 30"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 64"	325	
PPJ66H4375	18,000	22 - 30"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 64"	350	
88 CARTRID	88 CARTRIDGE SYSTEMS (308 s. f. *)							
PPJ88F2750	8,500	22 - 40"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 70"	320	
PPJ88HE450	9,000	22 - 40"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 70"	320	
PPJ88H3250	12,000	22 - 40"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 74"	345	
PPJ88H4375	18,000	22 - 40"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 74"	370	
110 CARTRIDGE SYSTEMS (385 s. f. *)								
PPJ110F2750	8,500	22 - 20" + 30"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 80"	340	
PPJ110HE450	9,000	22 - 20" + 30"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 80"	340	
PPJ110H3250	12,000	22 - 20" + 30"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 84"	365	
PPJ110H4375	18,000	22 - 20" + 30"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 84"	390	
PPJ110H4310	21,000	22 - 20" + 30"	10 (1725)	Н	4" x 3"	32¾" x 22" x 84"	415	

^{*} s. f. is square feet of surface area or solids holding capacity using Valuwound or Maxi-Depth filter cartridges. (See Bulletin M-109.) Order cartridges separately.

^{**} To order double seal pump, change **HE** to **HED** or **H** to **HD** in Price Code Number.

PVC chamber with magnetic drive or mechanical seal pump

PRICE CODE NUMBER	FLOW GPH @ 60 Hz	MEDIA	PUMP HP (RPM)	PUMP TYPE **	FLANGE CONNS. SUCT. x DISCH.	DIMENSIONS L x W x H	SHIPPING WEIGHT Lbs.	
52 CARTRIDGE SYSTEMS (182 s. f. *)								
PJ52F2750	8,500	26 - 20"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 50"	280	
PJ52F2910	12,000	26 - 20"	10.0 (3450)	F	3" x 3"	32¾" x 22" x 50"	295	
PJ52HE450	9,000	26 - 20"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 50"	280	
PJ52H3250	12,000	26 - 20"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 54"	305	
PJ52H4375	18,000	26 - 20"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 54"	330	
PJ52H4310	21,000	26 - 20"	10.0 (1725)	Н	4" x 3"	32¾" x 22" x 54"	355	
78 CARTRID	78 CARTRIDGE SYSTEMS (273 s. f. *)							
PJ78F2750	8,500	26 - 30"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 60"	300	
PJ78F2910	12,000	26 - 30"	10.0 (3450)	F	3" x 3"	32¾" x 22" x 60"	315	
PJ78HE450	9,000	26 - 30"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 60"	300	
PJ78H3250	12,000	26 - 30"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 64"	325	
PJ78H4375	18,000	26 - 30"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 64"	350	
PJ78H4310	21,000	26 - 30"	10.0 (1725)	Н	4" x 3"	32¾" x 22" x 64"	375	
104 CARTRIDGE SYSTEMS (364 s. f. *)								
PJ104F2750	8,500	26 - 40"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 70"	320	
PJ104F2910	12,000	26 - 40"	10.0 (3450)	F	3" x 3"	32¾" x 22" x 70"	335	
PJ104HE450	9,000	26 - 40"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 70"	320	
PJ104H3250	12,000	26 - 40"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 74"	345	
PJ104H4375	18,000	26 - 40"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 74"	370	
PJ104H4310	21,000	26 - 40"	10.0 (1725)	Н	4" x 3"	32¾" x 22" x 74"	395	
130 CARTRIDGE SYSTEMS (455 s. f. *)								
PJ130F2750	8,500	26 - 20" + 30"	5.0 (3450)	F	3" x 3"	32¾" x 22" x 80"	340	
PJ130F2910	12,000	26 - 20" + 30"	10.0 (3450)	F	3" x 3"	32¾" x 22" x 80"	355	
PJ130HE450	9,000	26 - 20" + 30"	5.0 (3450)	HE	3" x 3"	25¼" x 22" x 80"	340	
PJ130H3250	12,000	26 - 20" + 30"	5.0 (1725)	Н	3" x 3"	32¾" x 22" x 84"	365	
PJ130H4375	18,000	26 - 20" + 30"	7.5 (1725)	Н	4" x 3"	32¾" x 22" x 84"	390	
PJ130H4310	21,000	26 - 20" + 30"	10.0 (1725)	Н	4" x 3"	32¾" x 22" x 84"	415	

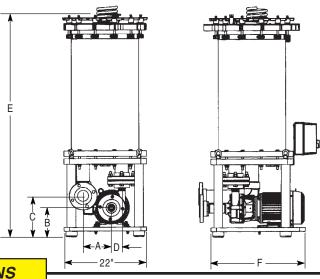
^{*} s. f. is square feet of surface area or solids holding capacity using Valuwound or Maxi-Depth filter cartridges. (See Bulletin M-109.) Order cartridges separately.

^{**} To order double seal pump, change **HE** to **HED** or **H** to **HD** in Price Code Number.

MEGA-FLO Dimensions and options

PUMP / HP	Α	В	С	D	Ε [†]	F
'HE' / 5.0	7-5/8"	8"	11-3/4"	2-3/4"	59-3/4"	25-1/4"
'F' / 5.0	7-3/4"	7-3/4"	11-3/4"	2-1/2"	59-3/4"	32-3/4"
'F' / 7.5	7-3/4"	7-3/4"	11-3/4"	2-1/2"	59-3/4"	32-3/4"
'H' / 5.0	6-7/8"	10-7/8"	16-5/8"	3-5/8"	64-1/4"	32-3/4"
'H' / 7.5	7-1/4"	10-1/8"	16-5/8"	3-1/4"	64-1/4"	32-3/4"
'H' / 10.0	6-3/4"	9-5/8"	16-5/8"	3-3/4"	64-1/4"	32-3/4"

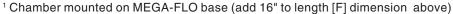
[†] 'E' dimension reflects 30" chamber. Add 10" for 40" chamber, add 20" for 50" chamber and subtract 10" for 20" chamber.



OPTIONS

Carbon Purification Chambers: Providing a convenient, economical and efficient means of continuous or periodic organic removal, these chambers feature PVC or PPP polypropylene construction with PVC internal canisters for bulk granular carbon. Order carbon separately (See Bulletin M-305). The chamber includes a flow control valve, EPDM elastomers and all piping.

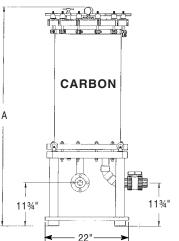
CARBON CAPACITY	FLOW RATE	CANISTERS	PRICE C	Α	
lbs.	GPM ³	no. / size	PVC	PPP	(in.)
21 lbs. 1	10	3/5" x 28"	O-3430 P	O-3430 PP	40-11/16
36 lbs. ¹	17	3/5" x 48"	O-3431 P	O-3431 PP	60-11/16
49 lbs. ²	23	7/5" x 28"	O-3432 P	O-3432 PP	59-3/4
84 lbs. ²	39	7/5" x 48"	O-3433 P	O-3433 PP	79-3/4

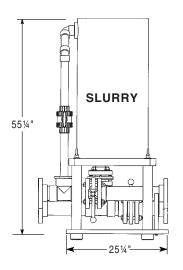


² Stand alone component as shown

Slurry Tank: Useful for chemical mixing / additions, precoating or pump priming, this chamber is constructed of PVC or PPP polypropylene and has a 30 gallon capacity. Includes 4 valves and all necessary piping.

For use with pump type:	MAXIMUM	PRICE CODE NO.		
Tor use with pump type.	LIFT	PVC	PPP	
'HE'		88-3420-3P	88-3420-3PP	
'F'	4 ft.	88-3429-3P	88-3429-3PP	
'H' (5 HP)	4 II.	88-3430-3P	88-3430-3PP	
'H' (7.5 / 10 HP)	0 HP)		88-3431-3PP	





F.O.B. Northbrook, Illinois

Specifications subject to change without notice.

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2900 MacArthur Blvd. 847-509-2900
Northbrook, IL 60062-2005 U.S.A. 800-323-5431
e-mail: sales@serfilco.com FAX: 847-559-1995
www.serfilco.com

³ Maximum recommended flow U.S. GPM