

## COMPACT, HIGH FLOW, EFFICIENT AND DURABLE SYSTEMS DESIGNED TO HANDLE A VARIETY OF SOLUTIONS

**METAL FINISHING, CHEMICAL, WATER AND WASTE TREATMENT, FUME SCRUBBER, COOLING TOWER RESERVOIR AND MORE!**

### FEATURES

- **High flow rate — 8,500 - 21,000 GPH**
- **Non-metallic, corrosion resistant**  
PVC construction  
CPVC construction  
PP high temperature polypropylene construction  
(See a chemical resistance guide.)
- **High capacity — to 130 cartridge**  
(455 sq. ft. of solids holding capacity)
- **Optional carbon chamber to 84 lb capacity**
- **Optional 30 gallon slurry tank**
- **Standard NEMA 4X motor starter with overload protection**

### BENEFITS

- **Easy cartridge change out**
- **Improve finished goods and process quality, minimize scrap and rework**
- **Reduce chemical consumption by maintaining solution quality**

**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, CPVC or PP high temperature polypropylene construction.

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.

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 7.0-10.5 square ft. of solids holding area per 100 gallons of solution. Flow rate should be 2 - 10 tank turnovers per hour. 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.



### Standard MEGA-FLO systems include:

- PVC, CPVC or 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.
- NEMA4X 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', 'HF' or 'F'. Series 'HE' and 'HF' single or double seal pumps are available in CPVC or PPP polypropylene. Both 'HE' and 'HF' pumps feature EPDM elastomers and silicon carbide seals. Double seal pumps include pump 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, CPVC or polypropylene construction. Accommodates 130 cartridges for PVC or CPVC and 110 cartridges for PP. Rugged machined shell, base and cover provide non-metallic solution contact.

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

## POLYPROPYLENE CHAMBER WITH MAGNETIC DRIVE OR MECHANICAL SEAL PUMP

SYSTEM NUMBER	FLOW GPH @ 60 Hz	MEDIA	PUMP HP	PUMP TYPE **	FLANGE CONNS. SUCT. x DISCH.	DIMENSIONS L x W x H	SHIPPING WEIGHT Lbs.
<b>66 CARTRIDGE SYSTEMS (231 s. f. *)</b>							
PPJ66F2750	8,500	22 - 30"	5.0	F	3" x 3"	30" x 24" x 70"	300
PPJ66HE450	9,000	22 - 30"	5.0	HE	3" x 3"	30" x 24" x 70"	300
PPJ66HF175	12,000	22 - 30"	7.5	HF	3" x 3"	30" x 24" x 70"	315
PPJ66HF210	18,000	22 - 30"	10.0	HF	3" x 3"	30" x 24" x 70"	340
<b>88 CARTRIDGE SYSTEMS (308 s. f. *)</b>							
PPJ88F2750	8,500	22 - 40"	5.0	F	3" x 3"	30" x 24" x 80"	320
PPJ88HE450	9,000	22 - 40"	5.0	HE	3" x 3"	30" x 24" x 80"	320
PPJ88HF175	12,000	22 - 40"	7.5	HF	3" x 3"	30" x 24" x 80"	335
PPJ88HF210	18,000	22 - 40"	10.0	HF	3" x 3"	30" x 24" x 80"	360
<b>110 CARTRIDGE SYSTEMS (385 s. f. *)</b>							
PPJ110F2750	8,500	22 - 20" + 30"	5.0	F	3" x 3"	30" x 24" x 90"	340
PPJ110HE450	9,000	22 - 20" + 30"	5.0	HE	3" x 3"	30" x 24" x 90"	340
PPJ110HF175	12,000	22 - 20" + 30"	7.5	HF	3" x 3"	30" x 24" x 90"	355
PPJ110HF210	18,000	22 - 20" + 30"	10.0	HF	3" x 3"	30" x 24" x 90"	380
PPJ110HF315	21,000	22 - 20" + 30"	15.0	HF	3" x 3"	30" x 24" x 90"	405

\* 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 **HF** to **HFD** in Price Code Number.



## PVC OR CPVC<sup>1</sup> CHAMBER WITH MAGNETIC DRIVE OR MECHANICAL SEAL PUMP

SYSTEM NUMBER	FLOW GPH @ 60 Hz	MEDIA	PUMP HP	PUMP TYPE **	FLANGE CONNS. SUCT. x DISCH.	DIMENSIONS L x W x H	SHIPPING WEIGHT Lbs.
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### 52 CARTRIDGE SYSTEMS (182 s. f. \*)

PJ52F2750	8,500	26 - 20"	5.0	F	3" x 3"	30" x 24" x 56"	280
PJ52F2910	12,000	26 - 20"	10.0	F	3" x 3"	30" x 24" x 56"	295
PJ52HE450	9,000	26 - 20"	5.0	HE	3" x 3"	30" x 24" x 56"	280
PJ52HF175	12,000	26 - 20"	7.5	HF	3" x 3"	30" x 24" x 56"	295
PJ52HF210	18,000	26 - 20"	10.0	HF	3" x 3"	30" x 24" x 56"	320
PJ52HF315	21,000	26 - 20"	15.0	HF	3" x 3"	30" x 24" x 56"	345

### 78 CARTRIDGE SYSTEMS (273 s. f. \*)

PJ78F2750	8,500	26 - 30"	5.0	F	3" x 3"	30" x 24" x 66"	300
PJ78F2910	12,000	26 - 30"	10.0	F	3" x 3"	30" x 24" x 66"	315
PJ78HE450	9,000	26 - 30"	5.0	HE	3" x 3"	30" x 24" x 66"	300
PJ78HF175	12,000	26 - 30"	7.5	HF	3" x 3"	30" x 24" x 66"	315
PJ78HF210	18,000	26 - 30"	10.0	HF	3" x 3"	30" x 24" x 66"	340
PJ78HF315	21,000	26 - 30"	15.0	HF	3" x 3"	30" x 24" x 66"	365

### 104 CARTRIDGE SYSTEMS (364 s. f. \*)

PJ104F2750	8,500	26 - 40"	5.0	F	3" x 3"	30" x 24" x 76"	320
PJ104F2910	12,000	26 - 40"	10.0	F	3" x 3"	30" x 24" x 76"	335
PJ104HE450	9,000	26 - 40"	5.0	HE	3" x 3"	30" x 24" x 76"	320
PJ104HF175	12,000	26 - 40"	7.5	HF	3" x 3"	30" x 24" x 76"	335
PJ104HF210	18,000	26 - 40"	10.0	HF	3" x 3"	30" x 24" x 76"	360
PJ104HF315	21,000	26 - 40"	15.0	HF	3" x 3"	30" x 24" x 76"	385

### 130 CARTRIDGE SYSTEMS (455 s. f. \*)

PJ130F2750	8,500	26 - 20" + 30"	5.0	F	3" x 3"	30" x 24" x 86"	340
PJ130F2910	12,000	26 - 20" + 30"	10.0	F	3" x 3"	30" x 24" x 86"	355
PJ130HE450	9,000	26 - 20" + 30"	5.0	HE	3" x 3"	30" x 24" x 86"	340
PJ130HF175	12,000	26 - 20" + 30"	7.5	HF	3" x 3"	30" x 24" x 86"	355
PJ130HF210	18,000	26 - 20" + 30"	10.0	HF	3" x 3"	30" x 24" x 86"	380
PJ130HF315	21,000	26 - 20" + 30"	15.0	HF	3" x 3"	30" x 24" x 86"	405

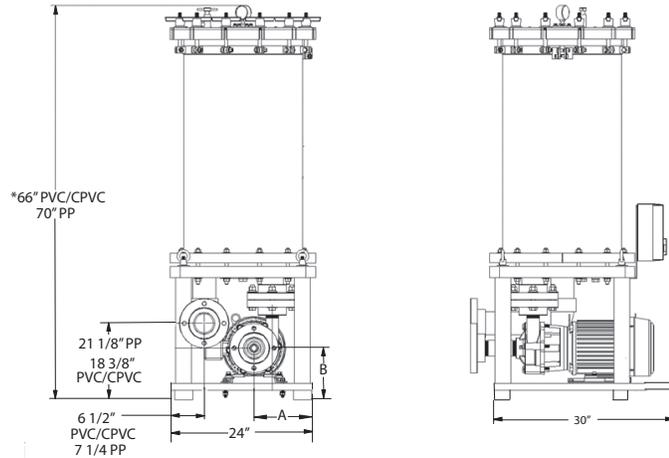
<sup>1</sup> Listed systems include PVC chamber. To order system with CPVC chamber — change **P** to **C** in system number  
 \* s. f. is square feet of surface area or solids holding capacity using Valuwound or Maxi-Depth filter cartridges.  
 (See Bulletin M-109.) Order cartridges separately.

\*\* To order double seal pump, change **HE** to **HED** or **HF** to **HFD** in Price Code Number.



PUMP / HP	A	B
'HE' / 5.0	12-1/4"	8"
'F' / 5.0	12-3/16"	7-3/4"
'F' / 10.0	12-3/16"	7-3/4"
'HF' / 7.5	9-1/2"	8-3/4"
'HF' / 10.0	9-1/2"	8-3/4"
'HF' / 15.0	9-1/2"	8-3/4"

\* Overall height 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, CPVC or polypropylene construction for bulk granular carbon. PVC chamber has PVC internal canisters while CPVC and PP chambers have polypropylene canisters. Chambers include flow control valve, EPDM elastomers and all piping. Order carbon separately (See Bulletin M-305).

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

<sup>1</sup> Chamber mounted on MEGA-FLO base (add 16" to length)

<sup>2</sup> Stand alone component as shown

<sup>3</sup> Maximum recommended flow U.S. GPM

<sup>4</sup> PP canisters are less than 5" dia with 15% less capacity.

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

FOR USE WITH PUMP TYPE:	MAXIMUM LIFT	PRICE CODE NO.		
		PVC	CPVC	PP
'HE'	4 ft.	88-3420-3P	88-3420-3C	88-3420-3PP
'F'		88-3429-3P	88-3429-3C	88-3429-3PP
'HF'		88-3430-3P	88-3430-3C	88-3430-3PP

