

SETHCO MAGNETIC DRIVE CENTRIFUGAL FILTER SYSTEMS

FOR
CORROSIVE LIQUID
FILTRATION

CECO Mefiag

A Division of CECO Environmental

DPM/KPM SERIES

- 15 sizes with filtration rates from 1 to 4500 GPH.
- Magnetic drive, sealless pumps provide leakproof operation. Each pump is selected for optimum filtration rates.
- Standard chambers are CPVC construction. Kynar construction is available on several models.
- Typical applications include electroplating, pharmaceutical, photographic, radioactive and other sensitive solutions.
- Chambers accept all standard open ended filter and carbon tubes.
- Systems are provided fully assembled and tested with all accessories required for immediate start-up.
- All units are mounted on a rigid corrosion resistant panel. Single tube systems feature panels on rubber bumpers. All multi-tube models are supplied with ball bearing swivel casters.



**MODEL DPM-800
EIGHT TUBE SYSTEM**



**MODEL DPM-2400
EIGHT TUBE SYSTEM**



**MODEL DPM-30SB SINGLE TUBE
SYSTEM WITH OPTIONAL
"SEE THRU" SHELL**



**MODEL DPM-01SB
SINGLE TUBE SYSTEM**

*Three new sizes for
flow rates to 4500 GPH*



Optional pressure
gauge assembly
available for most units

**MODEL DPM-2400
EIGHT TUBE SYSTEM**

WARRANTY: One year warranty against defective parts and workmanship. See Form TC-01 for full warranty details. Always be specific about your application in order that proper materials may be furnished. Let Mefiag or an authorized distributor know: liquids being handled, gallons, temperature and pH.

The standard warranty does not apply when equipment is used contrary to factory recommendations.

Since the policy of Mefiag is one of continual improvement, we reserve the right to change design or materials at any time, without giving notice or creating any obligation to previous or future customers.

SYSTEM SPECIFICATIONS:

SYSTEM MODEL NO.	FLOW RATE GPH	LPH (at 60 Hz)	PUMP MODEL NO.	HP	MAX. PUMP PSI (At 60 Hz.)	CHAMBER MODEL NO***	CHAMBER OUTLET HOSE ID X NPT	FILTER TUBES [†] QUANTITY/SIZE	DIMENSIONS IN L X W X H	CENTIMETERS	WEIGHT (LBS.) †	KILO.
DPM-05SB	50 - 75	190 - 285	PM-510	1/3	4	DD-5S	1/2" x 3/4"	1 #5	12 x 15 x 14	30 x 38 x 36	15	7.5
DPM-01SB KKM-01SB	100 - 150	380 - 570	PM-510 KM-510	1/3	4	DD-10S KK-10S	1/2" x 3/4"	1 #10	12 x 15 x 18	30 x 38 x 46	16	8
DPM-5SB	50 - 75	190 - 285	PM-510	1/3	13	DD-5S	1/2" x 3/4"	1 #5	12 x 15 x 14	30 x 38 x 36	30	14.9
DPM-10SB KKM-10SB	100 - 150	370 - 570	PM-510 KM-510	1/3	13	DD-10S KK-10S	1/2" x 3/4"	1 #10	12 x 15 x 18	30 x 38 x 46	32	15.9
DPM-20SB KKM-20SB	200 - 300	750 - 1100	PM-510 KM-510	1/3	13	DD-20S KK-20S	1/2" x 3/4"	1#20 or 2 #10	12 x 15 x 28	30 x 38 x 71	42	20.9
DPM-30SB KKM-30SB	300 - 450	1100 - 1700	PM-510 KM-510	1/3	13	DD-30S DD-30S	1/2" x 3/4"	1 #30 or 3 #10	12 x 15 x 38	30 x 38 x 97	52	25.9
KKM/DPM-300	300 - 900	1100 - 3400	KM/PM-1035NT	3/4	16.5	K/D-30	1 1/4" x 1 1/4"	3 #10	20 x 24 x 22	51 x 61 x 56	75	37.3
KKM/DPM-600	600 - 1800	2200 - 6800	KM/PM-1040NT	1	19.5	K/D-60	1 1/4" x 1 1/4"	3 #20 or 6 #10	20 x 24 x 32	51 x 61 x 81	86	42.8
KKM/DPM-900	900 - 2700	3400 - 10,000	KM/PM-1040NT	1	19.5	K/D-90	1 1/4" x 1 1/4"	3 #30 or 9 #10	20 x 24 x 49	51 x 61 x 124	92	45.8
DPM-800	800 - 2400	3000 - 9000	PM-1040NT	1	19.5	D-800	1 1/4" x 1 1/2"	8 #10	20 x 24 x 36	51 x 61 x 91	90	44.8
DPM-1600	1600 - 3300	6000 - 12,500	PM-1040HG	2	25	D-1600	1 1/4" x 1 1/2"	8 #20 or 16 #10	20 x 24 x 48	51 x 61 x 122	113	56.
DPM-2400	2400 - 3300	9100 - 12,500	PM-1040HG	2	25	D-2400	1 1/4" x 1 1/2"	8 #30 or 24 #10	20 x 24 x 60	51 x 61 x 152	125	62.2
DPM-3200	2400 - 3300 ^{††}	9000 - 12,500	PM-1040HG	2	25	D-3200	1 1/4" x 1 1/2"	8 #40 or 32 #10	20 x 24 x 70	51 x 61 x 178	142	71
DPM-2412	3500 - 4500	13,000 - 17,000	PM-1500	3	33	D-2412	1 1/2" x 1 1/2"	12 #20 or 24 #10	24 x 36 x 49	61 x 91 x 124	155	77.5
DPM-3612	3500 - 4500 ^{††}	13,000 - 17,000	PM-1500	3	33	D-3612	1 1/2" x 1 1/2"	12 #30 or 36 #10	24 x 36 x 61	61 x 91 x 155	195	97.5

*** See bulletin 401 for details +See bulletin 901 for details

† add approximately 20% for shipping weight. †† same as unit above with 50% more surface area.

NOTE: Kynar filter systems are provided with Kynar pipe and union to connect chamber inlet and outlet. No other accessories are provided.

Each Sethco Magnetic Drive Filter System is provided with a leakproof polypropylene, magnetic drive, sealless centrifugal pump. All standard polypropylene systems are suitable for temperatures to 180° F. Kynar® system are available for temperatures as high as 210° F.

Each system includes inlet and outlet hose, hose clamps, a set of 15 micron filter tubes, and operation manual for immediate start-up. Every unit is pre-tested to insure proper operation. Single phase motors are provided with grounding plug and overload protection.

All Sethco Magnetic Drive Filter Systems feature no metal contact with solutions to insure long life, dependability, and leakproof operation for most hard to handle applications. See price list for optional items.

FILTER CHAMBERS

CPVC filter chambers are standard on most systems. Single tube systems can be provided with "see thru" Lucite® or PVC shell (Maximum temperature of "see thru" chambers is 140°F). Kynar construction is available on some models. All chambers accept economical, standard open ended filter tubes or carbon filter tubes.

SETHCO MAGNETIC DRIVE PUMPS

*Visit Sethco's website at www.sethco.com for complete information.

Pump Specifications: (60 cycle)

Model	Max Flow		Max Pressure		Motor Characteristics				Inlet NPT	Inlet Hose "ID"
	GPM	LPM	FT.	M.	Volts	Hertz	Phase	Type		
KM/PM-510	20	75	30	9.1	230V	50/60	1		1"	1"
KM/PM-1035NT	44	167	38	11.9	115/230V or 208-230/380-460V	50/60	3	TEFC UL RECOGNIZED CSA	1-1/2"	1-1/2"
KM/PM-1040NT	56	221	45	13.7						
KM/PM-1040HG	63	238	58	17.7						
PM-1500	96	363	78	24	208-230/460V	50/60	3	TEFC UL RECOGNIZED CSA	2"	—

† See price list for available electrical characteristics.

Note that 50 Hertz motors reduce filtration rates by approximately 20%

FILTER TUBES

Polypropylene, or Cotton, depending on application. Filter tubes are available for controlled filtration from 150 microns to .5 micron. Standard densities are coarse (50 microns), medium (25 microns), fine (15 microns), X-fine (10 microns), Special B (1-3 microns), and Special C (.5 micron). All systems are supplied with 1 set of 15 micron polypropylene tubes. For complete specifications on filter tubes, see Bulletin 901. For carbon tubes, see Bulletin 913

NOTE: For self priming magnetic drive filter systems see bulletin 742.

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