

SETHCO® SEALLESS, END SUCTION, MAGNETIC DRIVE CENTRIFUGAL PUMPS

For Corrosive Liquids and Chemical Transfer



PVDF Version



Polypropylene Version

 **MET-PRO**
Global Pump Solutions

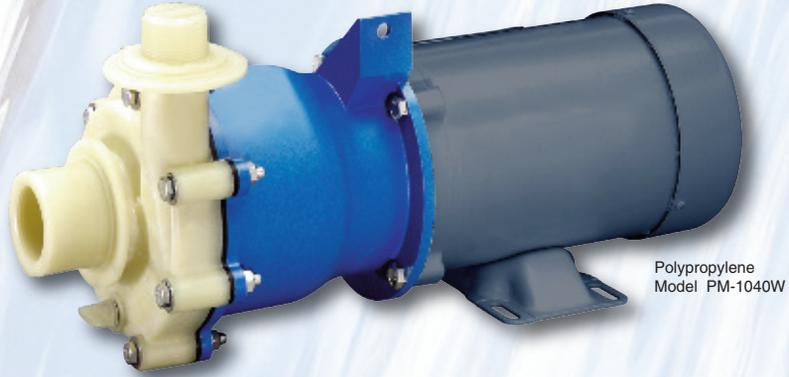
A Met-Pro Fluid Handling Technologies Business
Combining the Resources of Dean Pump, Fybroc & Sethco



SETHCO® SEALLESS, END SUCTION, MAGNETIC DRIVE CENTRIFUGAL PUMPS

FOR CORROSIVE LIQUIDS AND CHEMICAL TRANSFER

- Flows to 250 GPM (950 LPM)
- Heads to 94 feet (29 M)
- Powers to 10 HP (7.5 kW)
- Temperatures to 210°F (99°C)
- 24 models available
- Materials of construction:
Polypropylene and Kynar (PVDF)



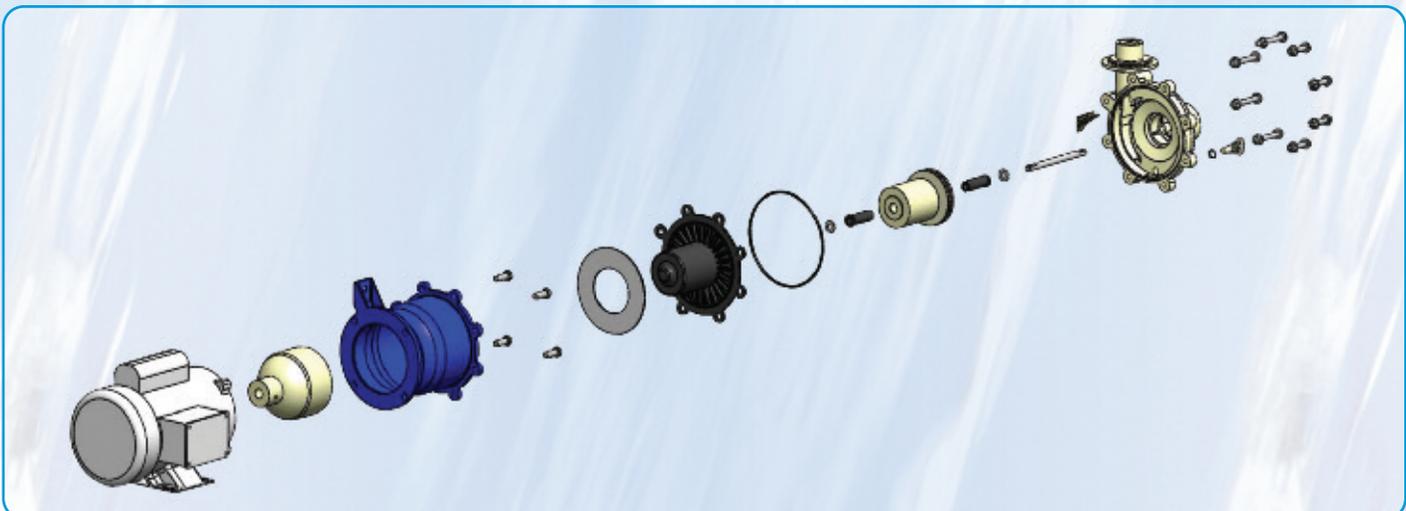
DESIGN FEATURES

- Magnetic drive, sealless design
- Close-coupled configuration
- No metal contact with process fluids
- Two-piece impeller and inner magnet assembly
- Stationary, self-aligning, replaceable ceramic shaft
- Bearing materials include ceramic and silicon carbide options
- Zero emissions
- Simple operation and ease of maintenance
- Available with optional FRP baseplate assembly
- Mounts to standard NEMA or IEC frame motors

APPLICATIONS

- Acids
- Bleaches
- Caustics
- Chemical Transfer
- Cleaning/Mixing
- Filtration
- Ideal for OEMs
- Processing
- Recirculation
- Reverse Osmosis
- Scrubber
- Seawater
- Solvents
- Wastewater

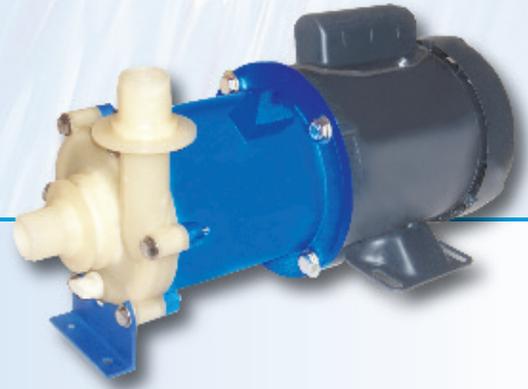
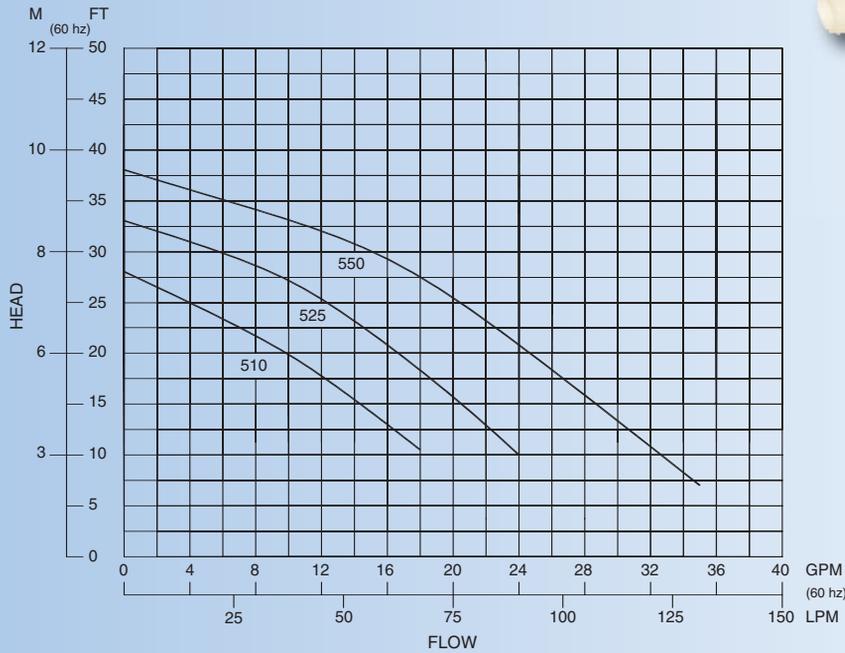
TYPICAL PM SERIES ASSEMBLY DRAWING



500 SERIES

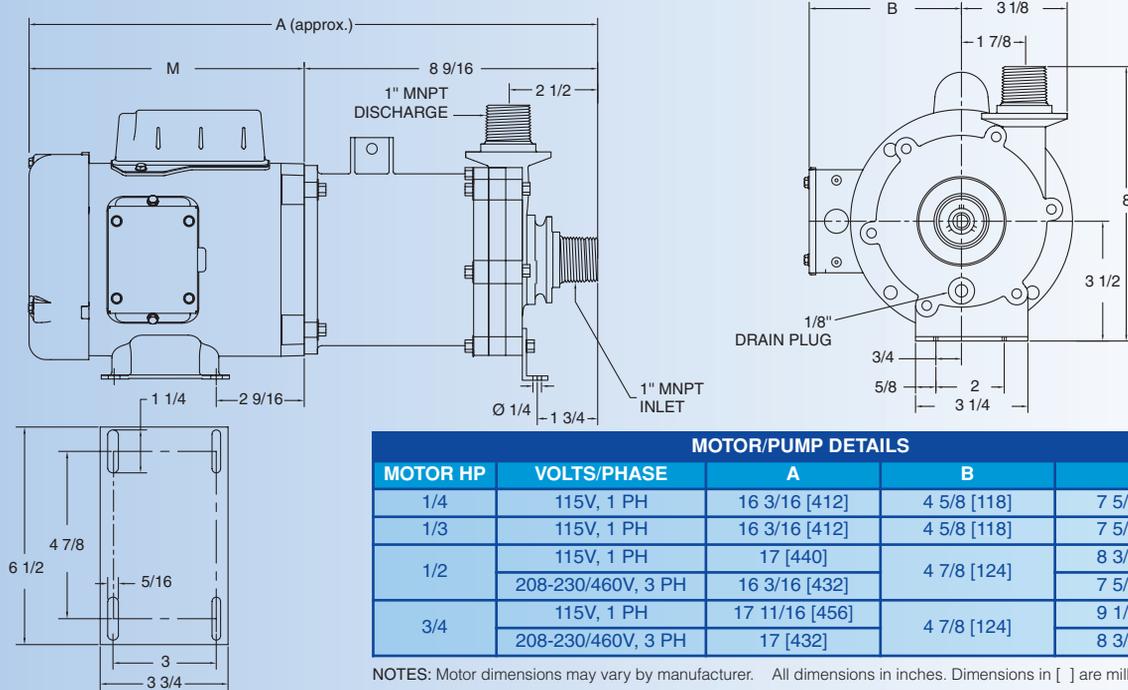
FOR FLOWS TO 30 GPM (115 LPM), HEADS TO 38 FT. (12 M)

Composite Curves



FOR MODELS
 PM/KM-510
 PM/KM-525
 PM/KM-550

Dimensions



MOTOR/PUMP DETAILS				
MOTOR HP	VOLTS/PHASE	A	B	M
1/4	115V, 1 PH	16 3/16 [412]	4 5/8 [118]	7 5/8 [194]
1/3	115V, 1 PH	16 3/16 [412]	4 5/8 [118]	7 5/8 [194]
1/2	115V, 1 PH	17 [440]	4 7/8 [124]	8 3/8 [213]
	208-230/460V, 3 PH	16 3/16 [432]		7 5/8 [194]
3/4	115V, 1 PH	17 11/16 [456]	4 7/8 [124]	9 1/8 [232]
	208-230/460V, 3 PH	17 [432]		8 3/8 [213]

NOTES: Motor dimensions may vary by manufacturer. All dimensions in inches. Dimensions in [] are millimeters.

Pump Specifications: 6 Models Available

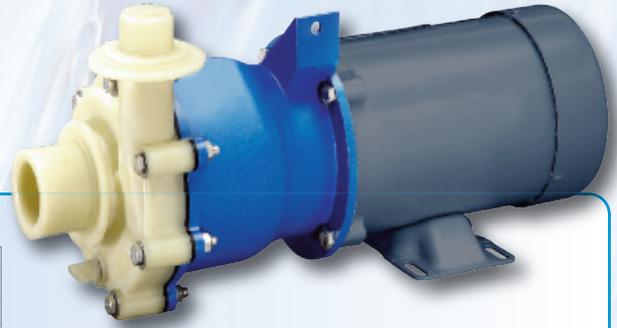
Model Number		Max Flow		Max Head		Max Operating Temperature	Motor Characteristics*					Weight (Lbs./Kg.)†	
Polypropylene	PVDF	GPM	LPM	Ft.	M		HP*	Volts	Hz	Phase	Type	Lbs.	Kg.
PM-510	KM-510	18	70	28	9	Polypropylene: 180°F / 82°C PVDF: 210°F / 99°C	1/4	115	60	1 PH	TEFC	30	13.6
PM-525	KM-525	22	85	33	10		1/3	115		1 PH		31	14.1
PM-550	KM-550	30	115	38	12		1/2	115/230		1 & 3 PH		34	15.5

* Customer supplied overload protection is required on 3 phase motors. Consult Factory for the following options: 50 Hz. motors, explosion proof motors, and alternate motor HPs.
 † Add approximately 3 lbs./1.4 kg. for PVDF. † Add approximately 20% extra for shipping weight.

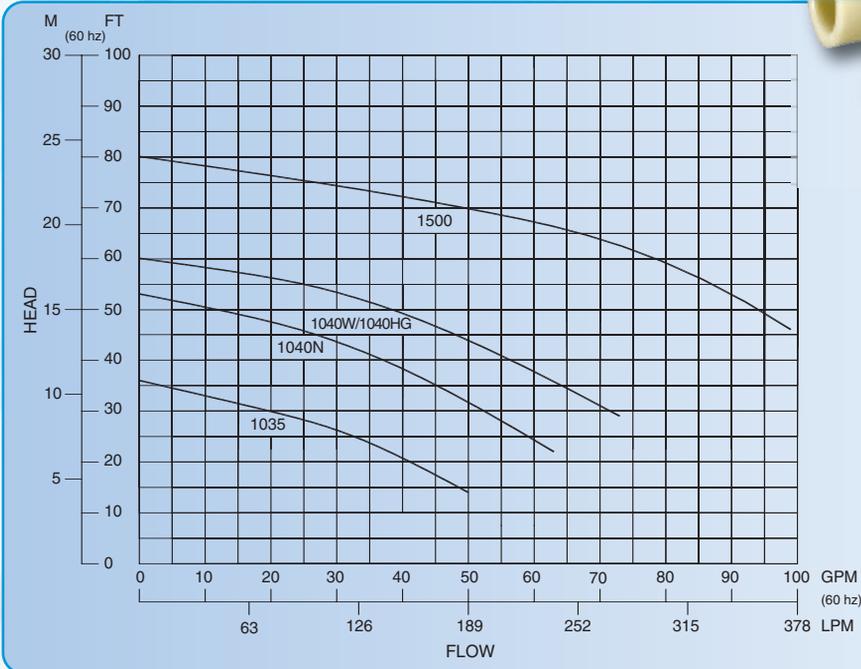
1000 SERIES

FOR FLOWS TO 96 GPM (365 LPM), HEADS TO 80 FT. (24 M)

Composite Curves



FOR MODELS
 PM/KM-1035
 PM/KM-1040N
 PM/KM-1040W
 PM/KM-1040HG
 PM/KM-1500



Dimensions

INLET/DISCHARGE DIAMETER		
MODEL	INLET DIA.	DISCHARGE DIA.
1035	1 1/2" FNPT	1 1/4" MNPT
1040	1 1/2" FNPT	
1500	2" MNPT	

MOTOR/PUMP DETAILS				
MOTOR HP	VOLTS/PHASE	A	B	M
1/2	115V, 1 PH	18 [457]	8 3/8 [213]	8 7/8 [225]
	208-230/460V, 3 PH	17 1/4 [438]	7 5/8 [194]	8 7/8 [225]
3/4	115V, 1 PH	18 3/4 [476]	9 1/8 [232]	8 7/8 [225]
	208-230/460V, 3 PH	18 [457]	8 3/8 [213]	8 7/8 [225]
1	115V, 1 PH	19 1/4 [489]	9 5/8 [244]	8 7/8 [225]
	208-230/460V, 3 PH	19 [483]	9 3/8 [238]	8 7/8 [225]
2	208-230/460V, 3 PH	19 7/8 [505]	10 1/4 [260]	9 1/4 [235]
3	208-230/460V, 3 PH	21 3/8 [543]	11 3/4 [298]	9 1/4 [235]

*Use only on 2 HP and up. NOTES: Motor dimensions may vary by manufacturer. All dimensions in inches. Dimensions in [] are millimeters.

Pump Specifications: 10 Models Available

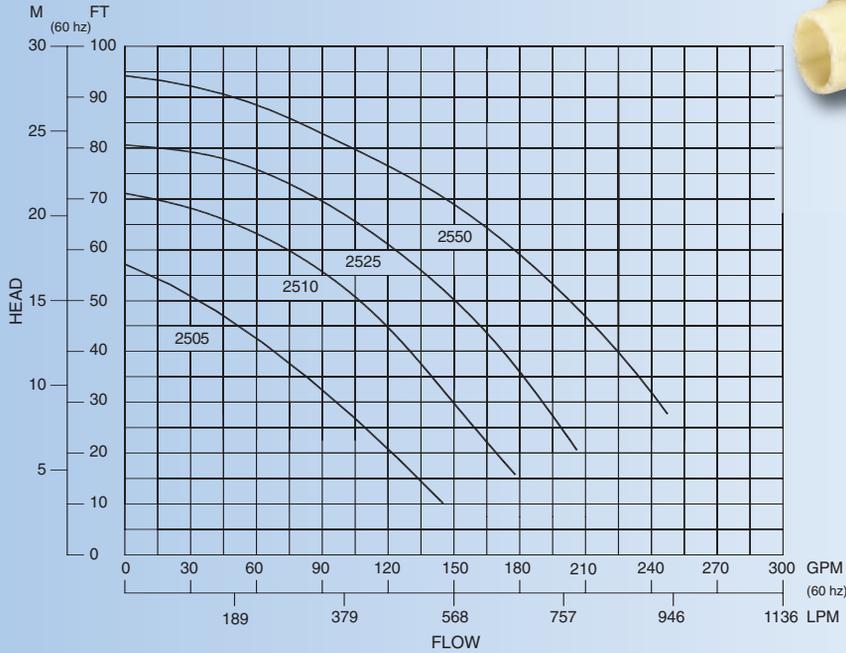
Model Number		Max Flow		Max Head		Max Operating Temperature	Motor Characteristics*					Weight (Lbs./Kg.)†	
Polypropylene	PVDF	GPM	LPM	Ft.	M		HP*	Volts	Hz	Phase	Type	Lbs.	Kg.
PM-1035	KM-1035	50	190	36	11	Polypropylene: 180°F / 82°C PVDF: 210°F / 99°C	1/2	115/230	60	1 PH	TEFC	34	15.5
PM-1040N	KM-1040N	62	235	53	16		1					37	16.8
PM-1040W	KM-1040W	73	280	60	18		1					37	16.8
PM-1040HG	KM-1040HG	73	280	60	18		2					43	19.5
PM-1500	KM-1500	96	365	80	24		2					43	19.5
							2						

* Customer supplied overload protection is required on 3 phase motors. Consult Factory for the following options: 50 Hz. motors, explosion proof motors, and alternate motor HPs.
 † Add approximately 3 lbs./1.4 kg. for PVDF. ‡ Add approximately 20% extra for shipping weight.

2500 SERIES

FOR FLOWS TO 250 GPM (950 LPM), HEADS TO 94 FT. (29 M)

Composite Curves



FOR MODELS
 PM/KM-2505
 PM/KM-2510
 PM/KM-2525
 PM/KM-2550

Dimensions

MOTOR/PUMP DETAILS							
MOTOR HP	VOLTS/PHASE	A	B	C	D	M	P
3	208-230/460V, 3 PH	26 7/8 [682]	4 1/2 [114]	7 13/16 [198]	11 7/16 [291]	13 7/8 [353]	3 3/8 [86]
5	208-230/460V, 3 PH	26 7/8 [682]	4 1/2 [114]	7 13/16 [198]	11 7/16 [291]	13 7/8 [353]	3 3/8 [86]
7.5	208-230/460V, 3 PH	28 5/8 [727]	5 1/4 [133]	8 11/16 [221]	12 3/16 [310]	15 5/8 [398]	4 1/4 [108]
10	208-230/460V, 3 PH	30 [762]	5 1/4 [133]	8 11/16 [221]	12 3/16 [310]	17 [432]	4 1/4 [108]

NOTES: Motor dimensions may vary by manufacturer. All dimensions in inches. Dimensions in [] are millimeters.

Pump Specifications: 8 Models Available

Model Number		Max Flow		Max Head		Max Operating Temperature	Motor Characteristics*					Weight (Lbs./Kg.)†	
Polypropylene	PVDF	GPM	LPM	Ft.	M		HP*	Volts	Hz	Phase	Type	Lbs.	Kg.
PM-2505	KM-2505	145	550	56	17	Polypropylene: 180°F / 82°C PVDF: 210°F / 99°C	3	208-230/460	60	3 PH	TEFC	84	38.1
PM-2510	KM-2510	180	685	71	22		5					126	57.2
PM-2525	KM-2525	205	780	80	24		5					126	57.2
PM-2550	KM-2550	250	950	94	29		7 1/2					192	87.1

* Customer supplied overload protection is required on 3 phase motors. Consult Factory for the following options: 50 Hz. motors, explosion proof motors, and alternate motor HPs.
 † Add approximately 3 lbs./1.4 kg. for PVDF. ‡ Add approximately 20% extra for shipping weight.

ABOUT MET-PRO GLOBAL PUMP SOLUTIONS

Met-Pro Global Pump Solutions, which combines the resources of the Company's internationally recognized Dean®, Fybroc® and Sethco® brands, is a leading niche-oriented global provider of solutions and products for the pumping of corrosive, abrasive and high temperature liquids. Its broad range of high quality centrifugal pumps provide excellent performance for tough applications including pumping of acids, brines, caustics, bleaches, seawater, high temperature liquids and a wide variety of waste liquids for a broad range of applications including the chemical, petrochemical, metal finishing, wastewater treatment, desalination and aquarium/aquaculture markets.

ABOUT MET-PRO

Met-Pro Corporation is a global provider of solutions and products for product recovery, pollution control and fluid handling applications. The Company's products include filtration and purification equipment for air, water and harsh, corrosive applications; fluid handling equipment for water, corrosive, abrasive, and high temperature liquids; and proprietary water treatment chemicals. For more information, visit www.met-pro.com.



A Met-Pro Fluid Handling Technologies Business
Combining the Resources of **Dean Pump**, **Fybroc** & **Sethco**

800 Emlen Way, Telford, PA 18969
P: 800.645.0500 • F: 215.799.0920
info@sethco.com • www.sethco.com