



Sethco Division

Polypropylene / PVDF

Self Priming and End Suction Magnetic Drive, Seal-less Pumps

OPERATION MANUAL

**End Suction
Models:**

PM-1035
KM-1035
PM-1040N
KM-1040N
PM-1040W
KM-1040W



**Self Priming
Models:**

PMSP-1035
KMSP-1035
PMSP-1040N
KMSP-1040N
PMSP-1040W
KMSP-1040W



SETHCO “PMSP/KMSP” SERIES MAGNETIC DRIVE, SEALLESS SELF PRIMING PUMPS

PMSP MODEL (NOTE 1)				KMSP MODEL (NOTE 2)		
ITEM	DESCRIPTION	QUANTITY	MATERIAL	PART NUMBER	MATERIAL	PART NUMBER
1	COVER	2	POLYPRO	140P301062-576	PVDF	140P301062-383
2	CLAMP	1	STAINLESS STEEL	130P101994-680	STAINLESS STEEL	130P101994-680
3	O-RING	2	VITON	590P2244-830	VITON	590P2244-830
4	HANDLE	1	POLYPRO	391P201350-576	PVDF	391P201350-384
5	BASKET	1	POLYPRO	031P301075-576	PVDF	031P301075-384
6	PRIMER CHAMBER	1	POLYPRO	662P400168-576	PVDF	662P400168-383
7	HEX HEAD BOLT	2	STAINLESS STEEL	790P51619806-680	STAINLESS STEEL	790P51619806-680
8A	CUTWATER 4.ON/4.OW (small)	1	POLYPRO	183P201326-576	PVDF	183P201326-383
8B	CUTWATER 3.5N (large)	1	POLYPRO	183P201327-576	PVDF	183P201327-383
10	HEX HEAD BOLT	4	STAINLESS STEEL	790P03161-680	STAINLESS STEEL	790P03161-680
11	SETSCREW	2	STAINLESS STEEL	800P022004-720	STAINLESS STEEL	800P022004-720
12	MAGNETIC DRIVE	1	NYLON	561P201308-520	NYLON	561P201308-520
13	ADAPTER	1	NORYL	010P400169-513	NORYL	010P400169-513
14	CUP	1	PVDF	180P301061-383	PVDF	180P301061-383
15A	WASHER (REAR)	1	CERAMIC	990P101934-150	CERAMIC	990P101934-150
15B	WASHER (FRONT)	1	CERAMIC	990P102222-150	CERAMIC	990P102222-150
16	SHAFT	1	CERAMIC	850P101933-150	CERAMIC	850P101933-150
17	BEARING (Note 3)	2	CARBON	080P102025-100	CARBON	080P102025-100
17A	BEARING (Note 3)	2	SILICONE CARBON	080P1021221-755	SILICONE CARBON	080P1021221-755
17B	BEARING (Note 3)	2	RYTON	080P101936-660	RYTON	080P101936-660
18	IMPELLER ASSEMBLY	1	SEE BELOW			
19	HEX NUT 5/16"	9	STAINLESS STEEL	610P51618-670	STAINLESS STEEL	610P51618-670
20	WASHER 5/16"	20	STAINLESS STEEL	990P516-680	STAINLESS STEEL	990P516-680
21	HEX HEAD BOLT (LONG)	4	STAINLESS STEEL	790P5168204-680	STAINLESS STEEL	790P5168204-680
22	O-RING	1	VITON	590P102512-830	VITON	590P102512-830
23	CASING	1	POLY-PRO	133P400167-576	PVDF	133P400167-383
24	DRAIN PLUG	1	POLY-PRO	660P102497-576	PVDF	660P102497-383
25	CLAMP	2	STAINLESS STEEL	130P101993-680	STAINLESS STEEL	130P101933-680
26	O-RING	2	VITON	590P2230-830	VITON	590P2230-830
27	HEX HEAD BOLT (SHORT)	4	STAINLESS STEEL	790P5168104-680	STAINLESS STEEL	790P5168104-680
28	SPACER	1	POLY-PRO	770P102024-576	PVDF	770P102024-383
29	INSERT	1	BRASS	440P101995-080	BRASS	440P101995-080
30	CLAMP (WITH HAND KNOB)	1	STAINLESS STEEL	130P1019941-680	STAINLESS STEEL	130P1019941-680
31	O-RING	1	VITON	590P2110-830	VITON	590P2110-830
32	DISCHARGE CHAMBER ASSY (Note 4)	1	POLY-PRO	034P301068-576	PVDF	034P301068-383
33	SUPPORT DISK (NOTE 5)	1	STAINLESS STEEL	250P202086-685	STAINLESS STEEL	250P202086-685

TEFC MOTORS*

			115/208-230V, 50/60 Hz	208-230/308-460V, 50/60 Hz.	
			1 Phase	3 Phase	
34	MOTOR, 1/2HP	1	574P00M32313D40	—	574P00M35333D40
34A	MOTOR, 3/4HP	1	574P00N32313D40	—	574P00N35333D40
34B	MOTOR, 1HP	1	574P01032313D40	—	574P01035333D40

* If your motor is “wired” at the factory, change the 1st 3 digits to 575. For other motors, consult factory

IMPELLER MAGNET ASSEMBLY BEARING MATERIAL

IMPELLER MATERIAL	DIAMETER	CARBON	RYTON	SILICONE CARBIDE
POLYPRO	3.5N	562P2014001-579	562P2014001-578	562P2014001-573
	4.0N	562P2014002-579	562P2014002-578	562P2014002-573
	4.0W	562P2014003-579	562P2014003-578	562P2014003-573
PVDF	3.5N	562P2014001-383	562P2014001-388	562P2014001-386
	4.0N	562P2014002-383	562P2014002-388	562P2014002-386
	4.0W	562P2014003-383	562P2014003-388	562P2014003-386

NOTE 1: Polypropylene is glass reinforced. **NOTE 2:** PVDF is carbon reinforced. **NOTE 3:** Impeller magnet assembly (18A, 18B, 18C) includes 2 each of bearing (17)

NOTE 4: Discharge chamber assembly (32) includes primer chamber (6), cover (1), clamp (2), o-ring (3) and insert (29).

NOTE 5: Not shown, located between cup and adapter.