



"MPMD" SERIES

SEAL LESS MAGNETIC DRIVE CHEMICAL PROCESS PUMP IN PP & PVDF CONSTRUCTION

ABOUT MAGNETIC PUMP

Magnetic drive design eliminates the conventional method of shaft coupling. Hence the pump casing is fully sealed from drive end which gives away the use of conventional sealing system. There is no seal used and so no troublesome seal repairing and replacement, leakage or production lost. Impeller and drive magnets are permanent rare earth magnets. They prevent slippage and ensure that full motor horsepower is converted into pumping power. All Pumps are rated for continuous duty with class "E" Insulation. All pumps are Centrifugal Semi-Open Impeller Type pumps and need priming before start up. SS-316 Magnetic pumps are available upto 5 HP

APPLICATIONS & USER INDUSTRIES

Ideal for transfer of corrosive chemicals, plating chemicals, acids, dyes, solvents, toxic & fuming liquids, petrol, kerosene etc. Useful in chemical industries, pharmaceuticals and food processing industries. Electroplating, Galvanizing / Anodizing plants. Laboratory equipments and PCB paints. Medical equipments and X-Ray film plants. Textile Dyeing houses. Liquid dispensing machines and Chemical Filtration equipments. For hazardous duty conditions with flame proof motors. High Efficiency due to permanent magnet power coupling.

ADVANTAGEOUS FEATURES

100% Leak Proof pumps due to magnetic drive arrangement. No shaft seal is used which automatically solves the problem of seal leakage and wear & tear. Friction free operation for reduced power consumption. High power permanent magnets ensure full power transfer and eliminates slippage. All pumping parts are Non-metallic, Which gives superior corrosion resistance, Simple and easy to operate, has Long life, is reliable and has trouble free operation.



RANGE

- **Capacity** : from 10 LPM upto 750 LPM
- **Head** : upto 40 mtrs.
- **Material of Construction** : Poly Propylene Glass Filled, PVDF upto 110 Deg C & SS-316
- **Operating Temp** : PP upto 80 deg C, PVDF upto 110 deg C
Special Pumps for high temperature upto 150°C and 250°C for SS-316

PUMP SPECIFICATIONS 2900 RPM

PUMP MODEL	INPUT/OUTPUT SIZE	Maximum Capacity LPM	Maximum Head Mtrs.	Motor HP	Full Load Current	Phase	Specific Gravity Limit	Weight
MPMD-15	14x14 mm nozzle	15	2.5	0.10 hp	0.15 Amps	Single	1.1	3 kgs
MPMD-30	18x18 mm nozzle	30	4	0.16 hp	0.20 Amps	Single	1.1	3.5 kgs
MPMD-50	20x20 mm nozzle	50	5	0.25 hp	0.50 Amps	Single/Three	1.2	5 kgs
MPMD-85	26x26 mm nozzle	85	9	0.50 hp	1.00 Amps	Single/Three	1.2	8 kgs
MPMD-125	26x26 mm nozzle	125	12	0.75 hp	1.25 Amps	Single/Three	1.3	10 kgs
MPMD-170	1"x1" Bsp/Flanged	175	14	1.5 hp	1.70 Amps	Three	1.3	12 kgs
MPMD-300	1½"x1½" Bsp/flanged	300	22	2 hp	3.5 Amps	Three	1.4	16 kgs
MPMD-400	2"x1½" Flanged	400	14	3 hp	3.5 Amps	Three	1.3	
MPMD-500	2"x1½" Flanged	500	30	3 hp	4.6 Amps	Three	1.3	
MPMD-600	2½"x2"	620	32	5 hp	7.5 Amps	Three	1.3	





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MAGNETIC DRIVE BARE PUMP



**MAGNETIC DRIVE
MONOBLOCK PUMP**



**MAGNETIC DRIVE FLANGED
MONOBLOCK PUMP**



**MAGNETIC DRIVE FLP
MONOBLOCK PUMP**



**MAGNETIC DRIVE WITH DC MOTOR
MONOBLOCK PUMP**



**MAGNETIC DRIVE PVDF
MONOBLOCK PUMP**



**MAGNETIC DRIVE WITH
DOSING SYSTEM**



**MAGNETIC DRIVE BARE PUMP
WITH ENGINE**

Video Link : <https://www.youtube.com/watch?v=nT-G-Bkzcyc>
<https://www.youtube.com/watch?v=prW9KFv0ico>