



Denwell™

FLUID CONTROLS



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مركز الاعتمادات العالمي للاعتماد
Emirates International Accreditation Centre



Seal-less Magnetic Drive Pumps (MDP Series)





PROFILE

"Denwell Fluid Controls" stands as a renowned leader in the realm of Industrial Pumps & Valves manufacturing. Our unwavering commitment to excellence has made us a trusted partner across diverse industries, including Oil & Gas, Petrochemicals, Refineries, Powder, Steel, Chemicals & Fertilizers, Water Treatment, Offshore, Pulp & Paper mills, Food Industries, Paint & Ink, Nuclear, and beyond, both within India and on a global scale.

Our state-of-the-art manufacturing facility proudly holds ISO 9001-2015 Certification, a testament to our dedication to precision and quality. Since our inception, we've ingrained a steadfast ethos centered on the twin pillars of Quality and Customer-centricity, ensuring that every product we deliver surpasses expectations.

At Denwell Fluid Controls, we go beyond the ordinary, offering tailor-made solutions that align perfectly with our customers' unique needs. Our sole motto is "Customer Satisfaction," and this drives us to create customized products and bespoke solutions that stand as a testament to our commitment to excellence.

Choose Denwell Fluid Controls for innovation, reliability, and a steadfast partnership that sets new standards in the industry.



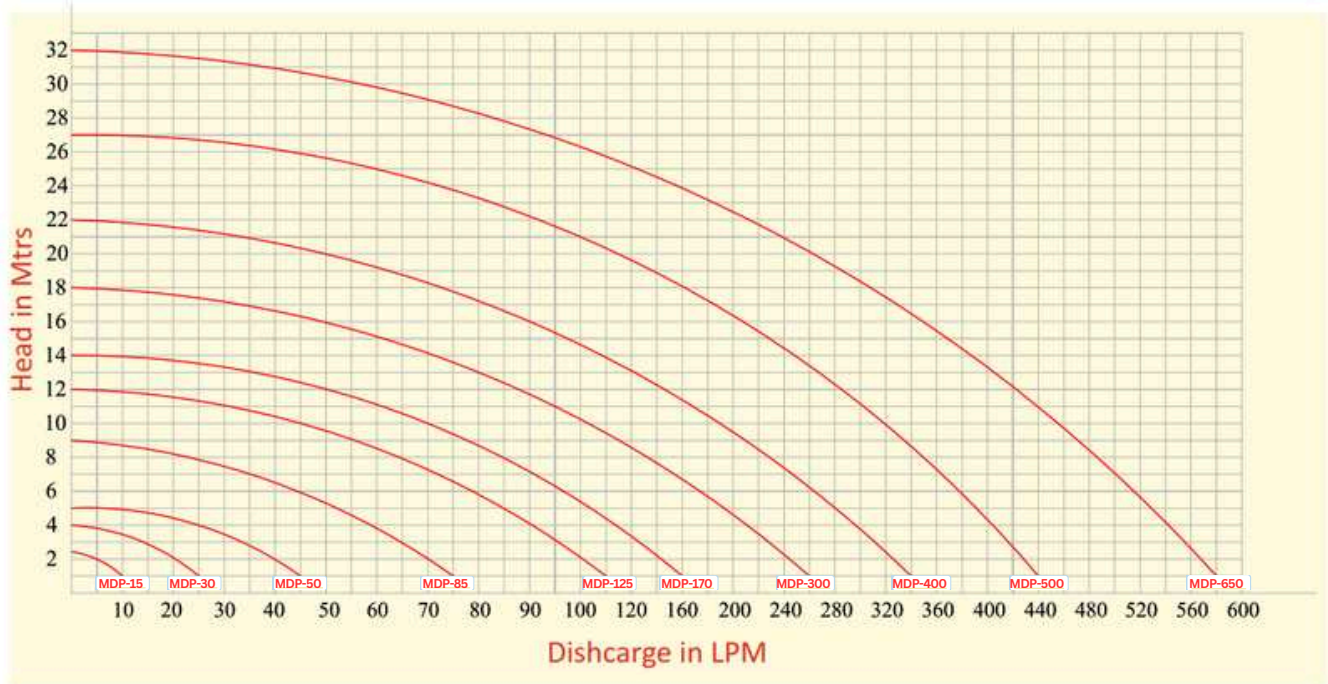


Magnetic Drive Technology

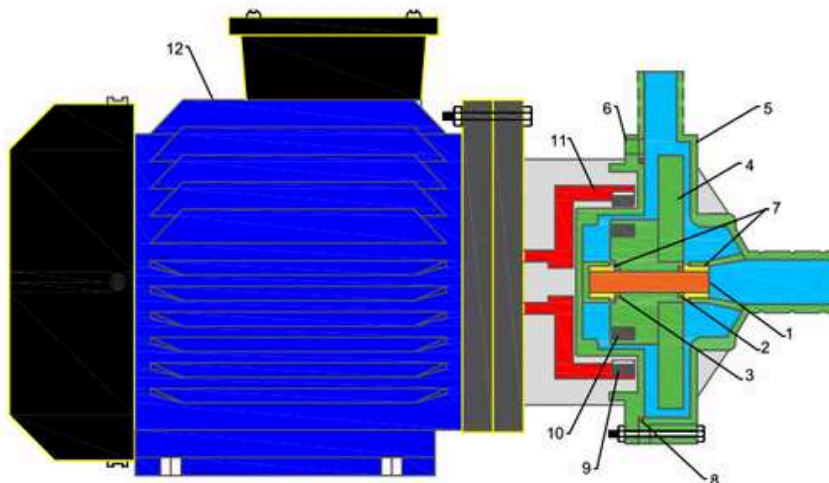
A seal-less magnetic drive centrifugal pump operates by connecting an external magnet directly to the motor shaft, which then conveys torque to an internal magnet. This setup generates a magnetic field that allows the impeller to rotate and move the fluid without any physical contact between the moving parts. The rear casing, situated between the two magnetic assemblies, hermetically seals the hydraulic section from the motor, ensuring no fluid leakage.

MAGNETIC PUMP MODELS									
PUMP DATA							ELECTRIC MOTOR DATA		
MODEL	HOSE CONNECTION	THREAD CONNECTION	FLOW LPM	FLOW LPH	HEAD METERS	HP	WATTS	PHASE	AMPS
MDP 15	14 X 14 mm	-----	15	900	2.5	0.1	75	SINGLE THREE	0.4
MDP 30	18 x 18 mm	-----	30	1800	4	0.16	120	SINGLE THREE	0.64 0.32
MDP 50	20 x 20 mm	1/2" x 1/2" BSP	50	3000	45	0.25	186	SINGLE THREE	1 0.32
MDP 85	26 x 26 mm	1" x 1" BSP	85	5100	9	0.5	370	SINGLE THREE	3 1
MDP 125	26 x 26 mm	1" x 1" BSP	125	7500	12	0.75	530	SINGLE THREE	4 13
MDP 170	-----	1" x 1" BSP	170	10200	14	1	745	SINGLE THREE	5 1.8
MDP 300	-----	1 1/2" x 1 1/2" FLANGE	270	16200	18	1.5	1100	SINGLE THREE	8 2.4
MDP 400	-----	1 1/2" x 1 1/2" FLANGE	350	21000	21	2	1500	SINGLE THREE	10 3.1
MDP 500	-----	2" x 1 1/2" FLANGE	450	27000	27	3	2230	THREE	4.6
MDP 650	-----	2" x 1 1/2" FLANGE	600	36000	32	5	3720	THREE	7.3

50 Hz / 230-415 V AC Pumps (Tested with Water)



Material of Construction

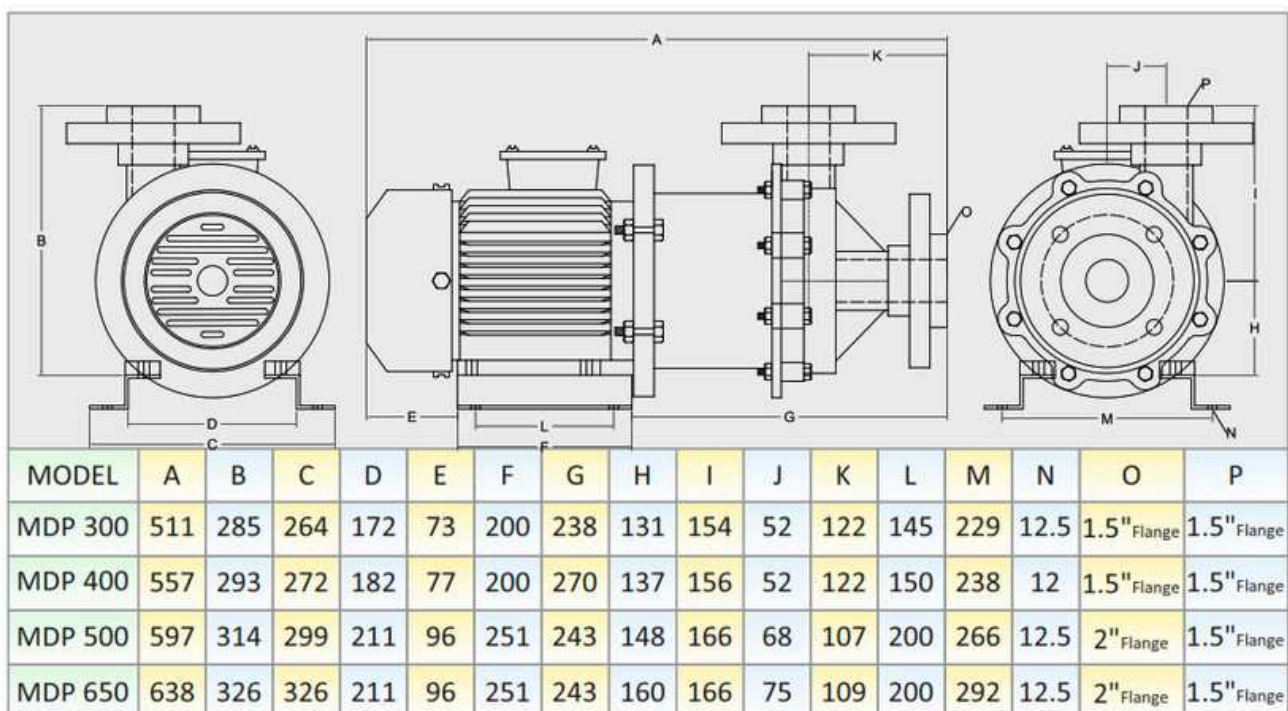
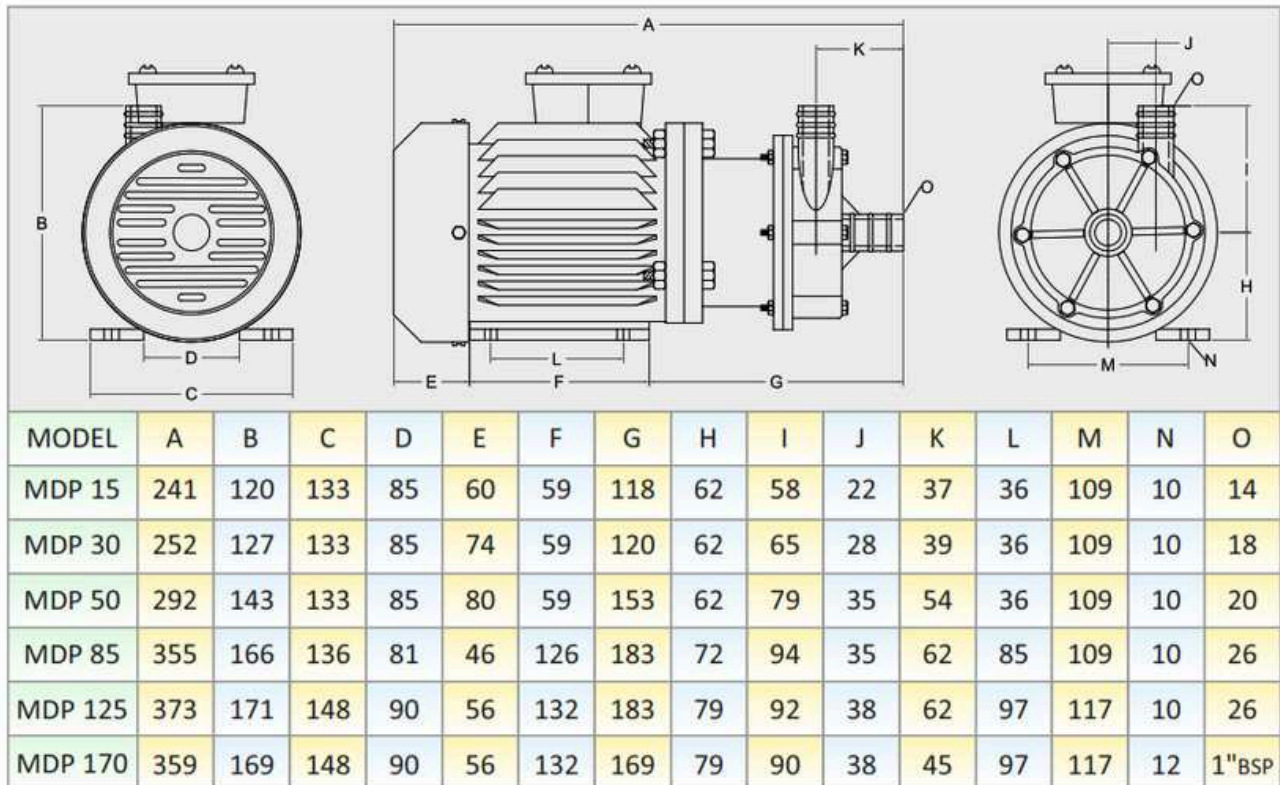


PUMP PARTS MATERIAL OF CONSTRUCTION		
1	SHAFT	ALUMINA CERAMIC
2	FRONT WASHER	
3	REAR WASHER	
4	IMPELLER	GLASS FILLED POLY PROPYLENE
5	FRONT CASING	
6	REAR CASING	
7	CASING BUSH	GF TEFLON
8	O RING	VITON
9	DRIVER MAGNET	NDFED
10	DRIVEN MAGNET	
11	DRIVE MAGNET CUP	CAST IRON
12	MOTOR	CI / ALUMINUM

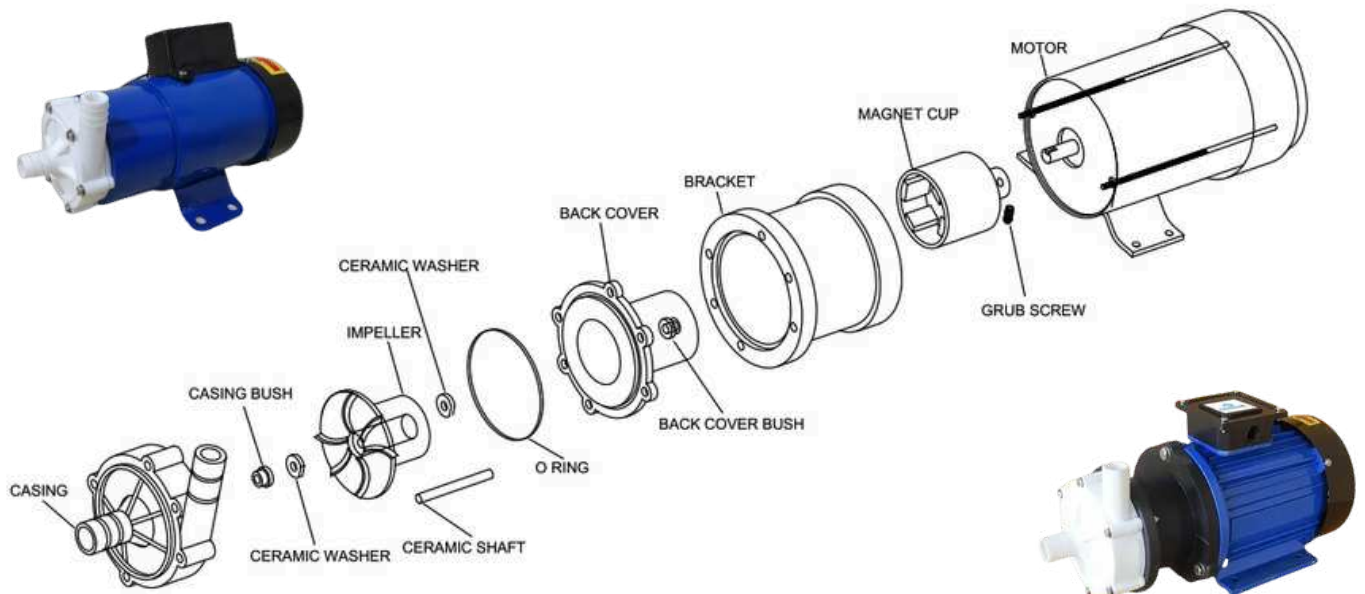


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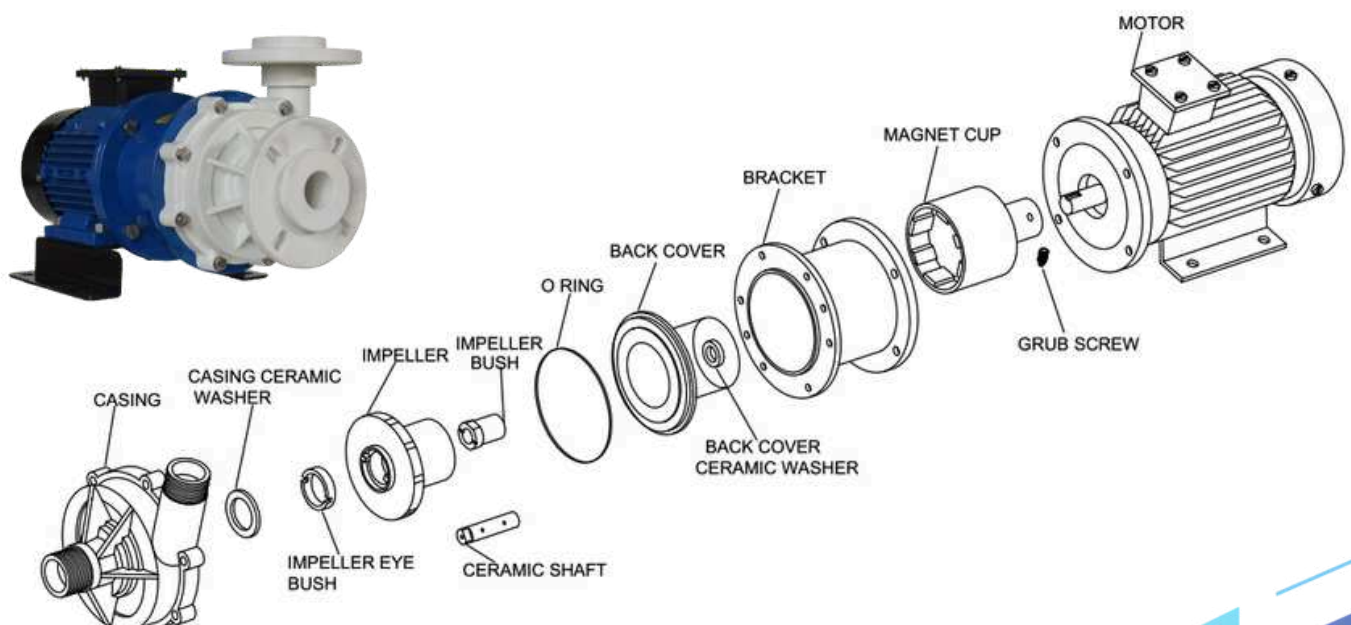
Pump Dimensions

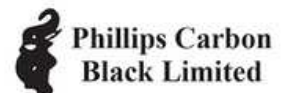


Pump Model : MDP - 15, 30, 50, 85, 125 & 170



Pump Model : MDP - 300, 400, 500 & 650







Versatile Applications of the MDP Pump

- Chemical Industries
- Electroplating Industries
- Textile Processing & Dying
- Food Processing Industries
- Anodizing Plating
- Dairy Boilers
- Medical Equipments
- Metal Working Machines
- X-Ray Film Plants
- Pharmaceutical Industries
- Metal Finishing Equipments
- Galvanizing Plating
- Air Condition Units
- Coolant Pumping
- PCB Plants
- Descaling
- Laboratory Equipments
- Filtration Units
- Agitation Descaling
- Heat Exchangers
- Machine Tools
- Acid Handling
- Solar Heating System
- Beverages Industries
- Photoengraving Process
- Liquid Circulation

OUR GLOBAL PRESENCE



DENWELL FLUID CONTROLS

📍 156, Gajanan Industrial Estate-3, Near. Sharnam Estate, Kathwada-Singarva Road, Kathwada, Ahmedabad, Gujarat-382430.

☎ +91 81419 33041, +91 84879 70594

✉ sales@denwellpumps.com;
info@denwellpumps.com