



Denwell™
FLUID CONTROLS



Seal-less Magnetic Drive Pumps (MDP Series)



eiaci
مركز المعايير العالمي للعتماد
Emirates International Accreditation Centre





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.





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100% Leak Proof Design

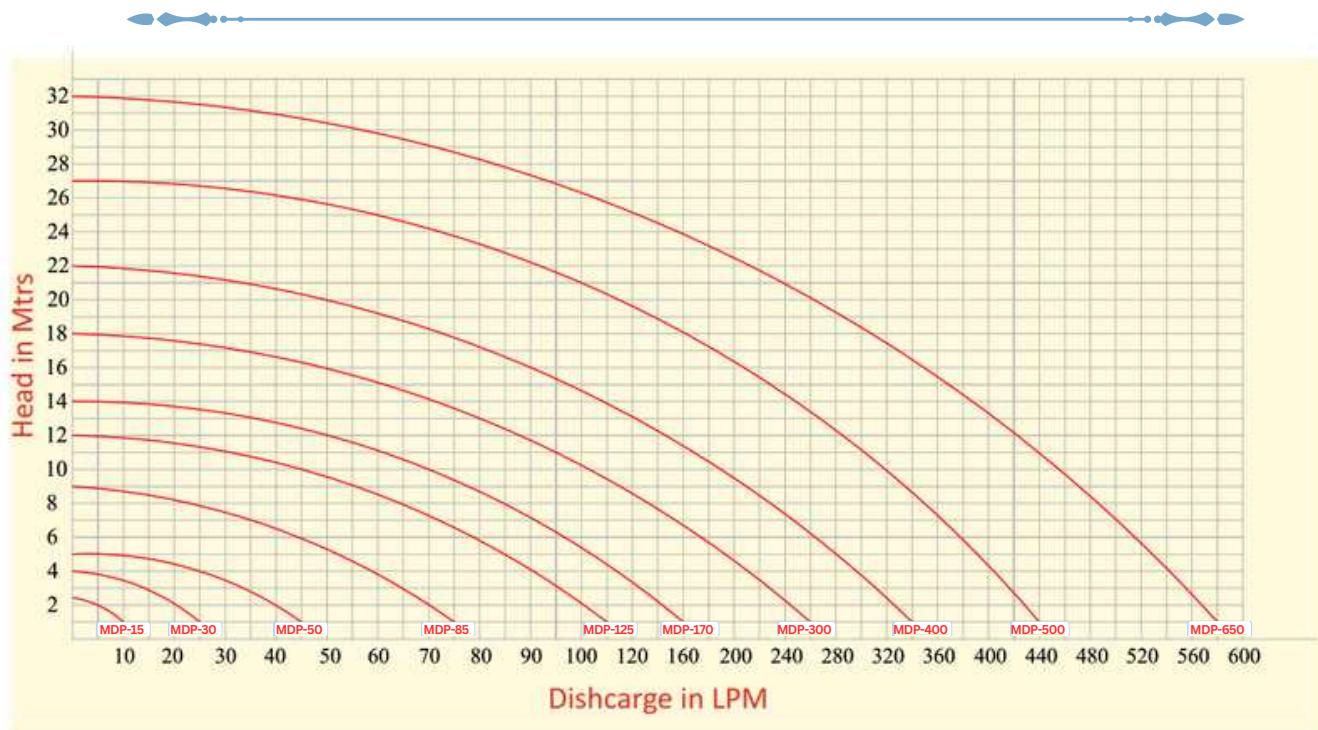


Magnetic Drive Technology

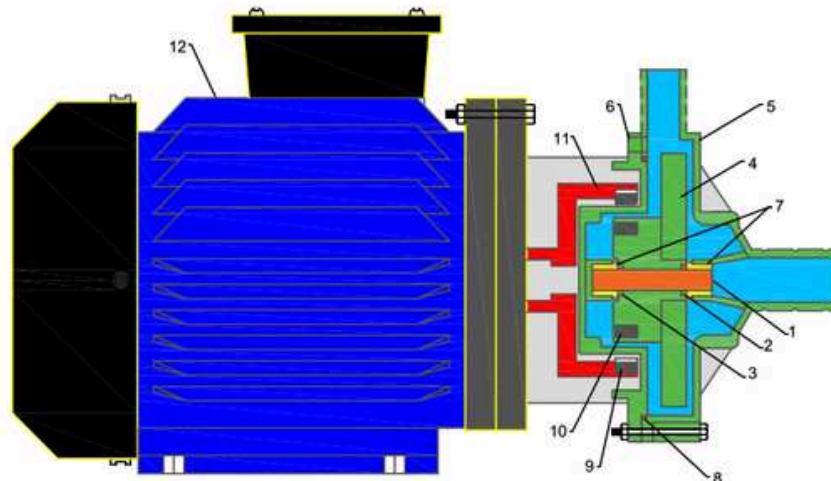
A seal-less magnetic drive centrifugal pump operates by connecting an external magnet directly to the motor shaft, which then conveys torque to an internal magnet. This setup generates a magnetic field that allows the impeller to rotate and move the fluid without any physical contact between the moving 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 | ----- | 11/2" x 11/2" FLANGE | 270 | 16200 | 18 | 1.5 | 1100 | SINGLE THREE | 8 2.4 |
| MDP 400 | ----- | 11/2" x 11/2" FLANGE | 350 | 21000 | 21 | 2 | 1500 | SINGLE THREE | 10 3.1 |
| MDP 500 | ----- | 2" x 11/2" FLANGE | 450 | 27000 | 27 | 3 | 2230 | THREE | 4.6 |
| MDP 650 | ----- | 2" x 11/2" FLANGE | 600 | 36000 | 32 | 5 | 3720 | THREE | 7.3 |

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



Material of Construction

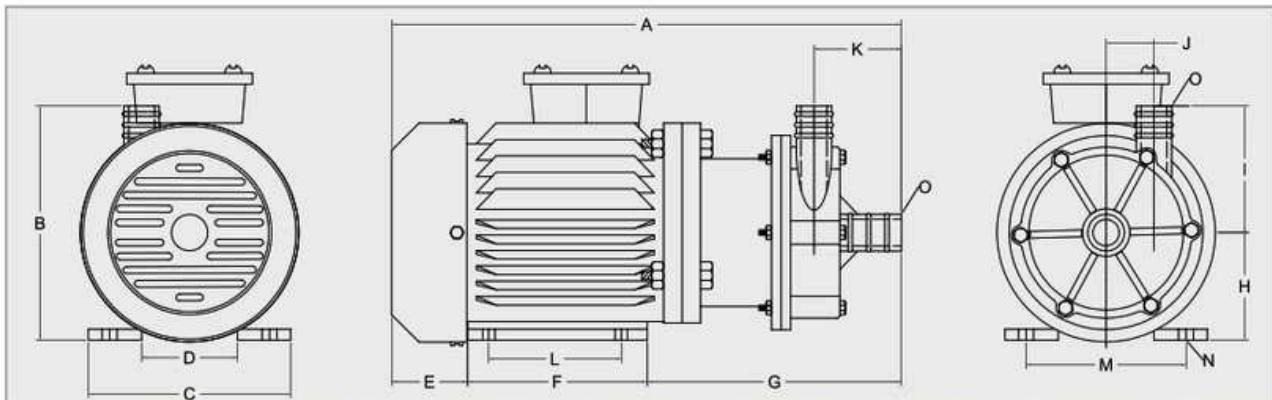


| PUMP PARTS MATERIAL OF CONSTRUCTION | |
|-------------------------------------|-----------------------------|
| 1 | SHAFT |
| 2 | FRONT WASHER |
| 3 | REAR WASHER |
| 4 | IMPELLER |
| 5 | FRONT CASING |
| 6 | REAR CASING |
| 7 | CASING BUSH |
| 8 | O RING |
| 9 | DRIVER MAGNET |
| 10 | DRIVEN MAGNET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

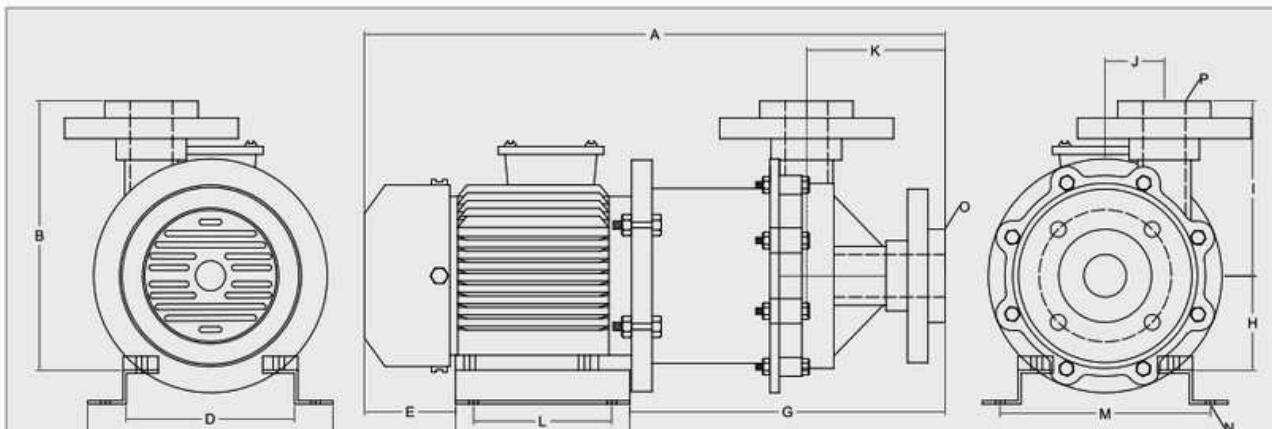


Pump Dimensions

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| MODEL | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O |
|---------|-----|-----|-----|----|----|-----|-----|----|----|----|----|----|-----|----|--------|
| MDP 15 | 241 | 120 | 133 | 85 | 60 | 59 | 118 | 62 | 58 | 22 | 37 | 36 | 109 | 10 | 14 |
| MDP 30 | 252 | 127 | 133 | 85 | 74 | 59 | 120 | 62 | 65 | 28 | 39 | 36 | 109 | 10 | 18 |
| MDP 50 | 292 | 143 | 133 | 85 | 80 | 59 | 153 | 62 | 79 | 35 | 54 | 36 | 109 | 10 | 20 |
| MDP 85 | 355 | 166 | 136 | 81 | 46 | 126 | 183 | 72 | 94 | 35 | 62 | 85 | 109 | 10 | 26 |
| MDP 125 | 373 | 171 | 148 | 90 | 56 | 132 | 183 | 79 | 92 | 38 | 62 | 97 | 117 | 10 | 26 |
| MDP 170 | 359 | 169 | 148 | 90 | 56 | 132 | 169 | 79 | 90 | 38 | 45 | 97 | 117 | 12 | 1" BSP |

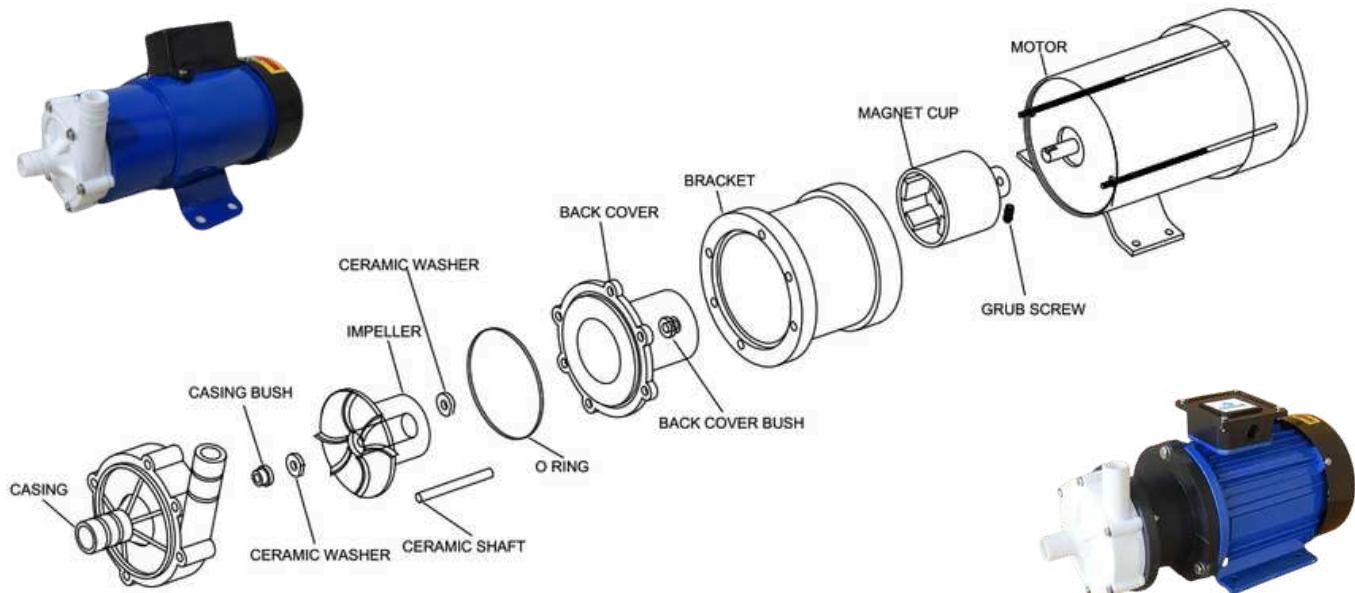


| MODEL | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
|---------|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|-----|------|-------------|-------------|
| MDP 300 | 511 | 285 | 264 | 172 | 73 | 200 | 238 | 131 | 154 | 52 | 122 | 145 | 229 | 12.5 | 1.5" Flange | 1.5" Flange |
| MDP 400 | 557 | 293 | 272 | 182 | 77 | 200 | 270 | 137 | 156 | 52 | 122 | 150 | 238 | 12 | 1.5" Flange | 1.5" Flange |
| MDP 500 | 597 | 314 | 299 | 211 | 96 | 251 | 243 | 148 | 166 | 68 | 107 | 200 | 266 | 12.5 | 2" Flange | 1.5" Flange |
| MDP 650 | 638 | 326 | 326 | 211 | 96 | 251 | 243 | 160 | 166 | 75 | 109 | 200 | 292 | 12.5 | 2" Flange | 1.5" Flange |

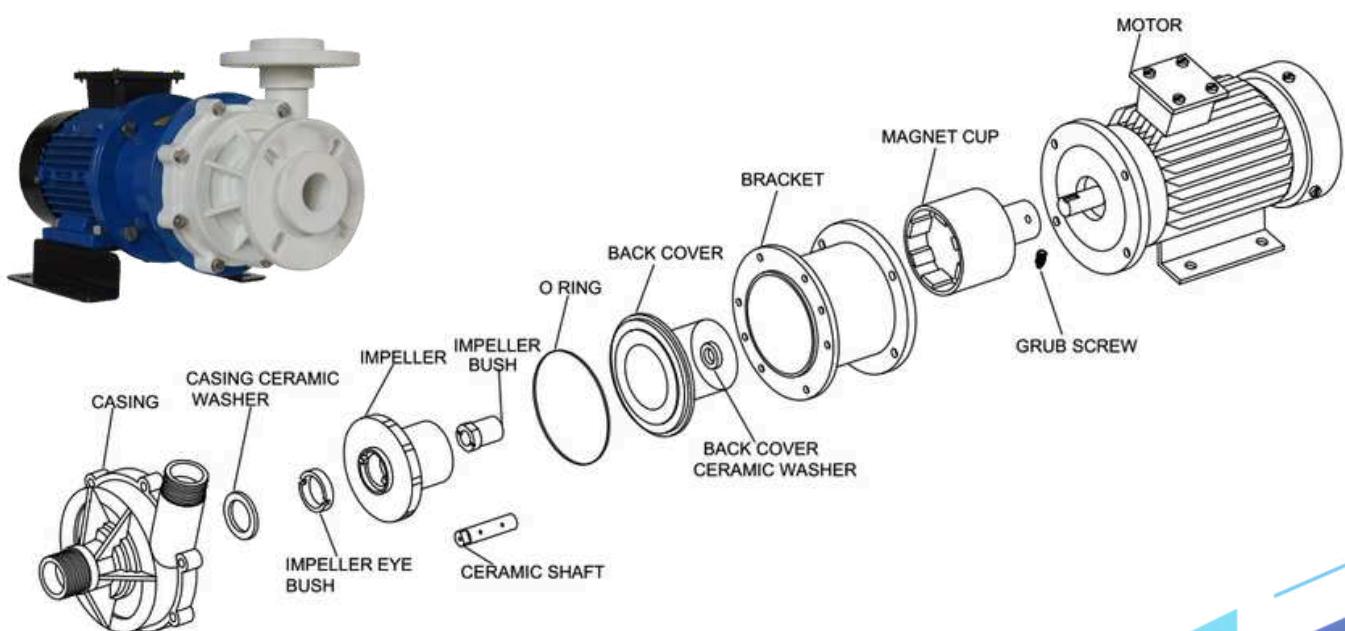


Sectional View Parts List

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

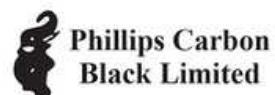


Pump Model : MDP - 300, 400, 500 & 650





OUR VALUABLE CLIENTS



OUR VALUABLE CLIENTS



INDIGO DENIM PVT. LTD.



NORTH-WEST
POWER GENERATION
COMPANY LIMITED



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

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