Industrial - Manufacturing - Environment
Waste Water Treatment
Food Processing
Petrochemical
Mining
Civil

The Mechanical Diaphragm Pump Series
**Features**
- Suction lifts to 7.5m
- Rapid self priming
- Will run dry without damage
- Will operate on snore
- Will handle abrasive liquids
- Will pass solids up to 80% of port size
- Heavy Duty, compact construction
- TEFC electric motors fitted as standard
- Special electric motor enclosures as an option

**Applications**
- Dewatering excavations
- Raw sewage
- Pool maintenance and construction
- Waste treatment plants
- Bore Desludging
- Bilge pumping
- Oil/Water Separators
- Machine sumps
- Priming large centrifugal pumps
- Industrial wastes
- Liquid manure
- Oil skimming
- Septic tank cleaning
- Abattoirs and poultry processing
- Drum emptying
- Spillage mop up
- Construction sites

**Specifications**

<table>
<thead>
<tr>
<th>Connections</th>
<th>Nominal Flow rate</th>
<th>Suction Lift</th>
<th>Discharge Head</th>
<th>Solid Size</th>
<th>Motor Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>25mm (1&quot;)</td>
<td>16-25 L/MIN</td>
<td>7.5m</td>
<td>6.0m</td>
<td>15mm</td>
<td>0.37 kw</td>
<td>25kg</td>
</tr>
</tbody>
</table>

- Dimensions in mm

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>32mm (1 1/2&quot;)</td>
<td>33 L/MIN</td>
<td>7.5m</td>
<td>6.0m</td>
<td>20mm</td>
<td>0.37 kw</td>
<td>30kg</td>
</tr>
</tbody>
</table>

- Dimensions in mm

Please note: All specifications are subject to change without notice. All performance data is based on 1440 RPM (4 pole) motor speed.
Diaphragm Pump Series

Materials of Construction

<table>
<thead>
<tr>
<th>Component</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetted (Casing and Ports)</td>
<td>Aluminium</td>
<td>Cast Iron / 316 Stainless Steel</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>Buna-N (NITRILE)</td>
<td>Neoprene / Viton</td>
</tr>
<tr>
<td>Flap Valve / Gasket</td>
<td>Buna-N (NITRILE)</td>
<td>Polyurethane / Neoprene / Viton</td>
</tr>
<tr>
<td>Valve Seat</td>
<td>316 Stainless Steel</td>
<td></td>
</tr>
</tbody>
</table>

Specifications

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<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>38mm (1½&quot;)</td>
<td>50 L/MIN</td>
<td>7.5m</td>
<td>6.0m</td>
<td>25mm</td>
<td>0.75kw</td>
<td>42kg</td>
</tr>
</tbody>
</table>

KDP38

<table>
<thead>
<tr>
<th>Connections</th>
<th>Nominal Flow rate</th>
<th>Suction Lift</th>
<th>Discharge Head</th>
<th>Solid Size</th>
<th>Motor Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mm (2&quot;)</td>
<td>100 L/MIN</td>
<td>7.5m</td>
<td>6.0m</td>
<td>35mm</td>
<td>1.1kw</td>
<td>55kg</td>
</tr>
</tbody>
</table>

KDP50

<table>
<thead>
<tr>
<th>Connections</th>
<th>Nominal Flow rate</th>
<th>Suction Lift</th>
<th>Discharge Head</th>
<th>Solid Size</th>
<th>Motor Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>76mm (3&quot;)</td>
<td>210 L/MIN</td>
<td>7.5m</td>
<td>6.0m</td>
<td>50mm</td>
<td>1.5kw</td>
<td>72kg</td>
</tr>
</tbody>
</table>

KDP76

Please note: All specifications are subject to change without notice. All performance data is based on 1440 RPM (4 pole) motor speed.
Options

Electric
All pump sizes are available with the following electric motor options:-

- 240V (Single phase)
- 415V (Three phase)
- 415V (Three phase), Ex’e’
- 415V (Three phase), Ex’d’

Petrol/Diesel
The KDP38, KDP50 and the KDP76 can be supplied with a petrol engine. This option enables increased portability in applications such as:

- Site dewatering
- Excavation dewatering
- Pool maintenance / construction
- Construction sites

Diesel drive pumpsets are also available on request.

Carry Frame
All sizes can be fitted with a carry frame