KDP DIAPHRAGM PUMPS

The KDP is a mechanical diaphragm pump that uses a heavy duty gear box coupled to an eccentric block to actuate the diaphragm. It is belt driven by pulleys which enables it to use a variety of drive options. With its heavy duty construction, ability to run dry and self-prime the KDP pump is suitable for a wide range of applications including dewatering, transfer, oil skimming & oil/water separation.

Application:
- Dewatering excavation
- Raw sewage
- Pool maintenance and construction
- Waste treatment plants
- Oil skimming
- Bore desludging
- Oil/Water separators
- Machine sumps
- Priming large centrifugal pumps
- Industrial wastes
- Liquid manure
- Septic tank cleaning
- Drum emptying
- Abattoirs and poultry processing & Spillage mop up.

Features:
- Suction lifts to 7.5m
- Rapid self priming
- Will run dry without damage
- Heavy duty
- TEFC electric motors fitted as standard
- Special electric motor enclosures as an options
- Will operate on snore
- Will handle abrasive liquids
- Will pass solids up to 80% port size
- Compact construction
DIAPHRAGM PUMPS
KDP OVERVIEW

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</td>
</tr>
<tr>
<td>Valve Seat</td>
<td>316 Stainless Steel</td>
<td></td>
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</tbody>
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CARRY FRAME

All sizes can be fitted with a carry frame

KDP50 and KDP76 can be supplied with a petrol engine which enables increased portability in applications such as:

PETROL/DIESEL
- Site Dewatering
- Excavation Dewatering
- Pool Maintainence / Construction
- Construction Sites

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

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