Mag Drive Pump

Manufactured for Top Line by CP PUMPEN Switzerland

For the Pharmaceutical, Biotech & Food Industries

www.toplineonline.com
Sanitary Magnetic Drive Pump

The MKP-Bio series mag drive pump is an excellent solution for aseptic applications as WFI and other compendial water applications. The vertical orientation and special internal machining of components allow for drainability to the suction inlet of the pump. Multiple internal surface finishes, various static seal materials, and motor options are available to suit system requirements. The design of the pump was developed to EHEDG recommendations to provide the highest level of cleanability.

FEATURES
- Vertically mounted magnetic drive pump with patented drive system
- The pump is totally self-draining through the suction connection eliminating requirement for additional flush drain and vent connections
- Due to the inherent design of the internal bearing lubrication and the gasket construction according to DIN 11864, the pump is dead space free
- Specially designed flushing in the internal bearing guarantees excellent lubrication and cooling
- All wetted components meet a surface finish of min. 32Ra standard, other finishes available on request
- All wetted corners are radiused for complete drainability
- All wetted surfaces are finished with a minimum 3° slope
- Microorganism cannot enter from the atmosphere into the pump
- CIP/SIP capable
- Reliable and easy assembly and reassembly
- For assembly and reassembly of the pump, there is no special tool required
- All wetted materials are made of FDA approved components
- Slurry content up to 10% max. 0.03"

OPTIONS
- Internal bearing in tungsten carbide
- Diamond coated internal bearing
- Jacketed casing
- Temperature protection sensor PT-100 (recommended) to protect against dry running
- Double shroud system
- Special frame mounting
- Special o-ring material available on request (FKM, EPDM, Silicone)
- Different suction and discharge connections available (clamp, TI-Line, flange, and butt weld)

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Q: up to 20 m3/h 220 GPM</th>
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<tbody>
<tr>
<td>Head</td>
<td>H: up to 260 ft.</td>
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<tr>
<td>Temp</td>
<td>°F: -72 up to 300°F</td>
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<tr>
<td>Nom. Pres.</td>
<td>PN: 230 PSI</td>
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<tr>
<td>Materials</td>
<td>316L S/S, Hast. C22, Alloy 59</td>
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<td>Other materials available on request.</td>
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<tr>
<td>Execution</td>
<td>Vertical / close coupled</td>
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Contact your Top Line Representative for Assistance
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