

# TOP LINE

PROCESS EQUIPMENT COMPANY

## World's First Sanitary Mag Drive Pump



Manufactured  
for Top Line by  
CP PUMPEN  
Switzerland

For the Pharmaceutical, Biotech & Food Industries

[www.toplineonline.com](http://www.toplineonline.com)

# Sanitary Magnetic Drive Pump

The newly developed Series MKP-Bio offers you an excellent solution for aseptic applications in the pharmaceutical, biotech, food industry and other sanitary processes.

The pump has been developed and designed according to the EHEDG recommendations and takes in to account VDMA 24432 and EN 12462 standards.



## FEATURES

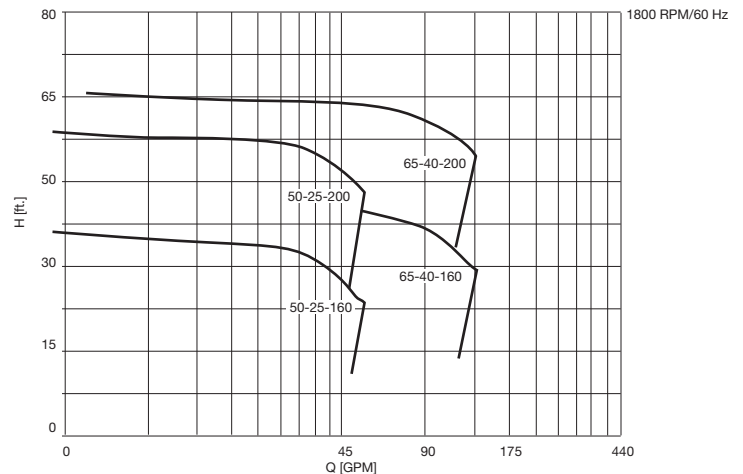
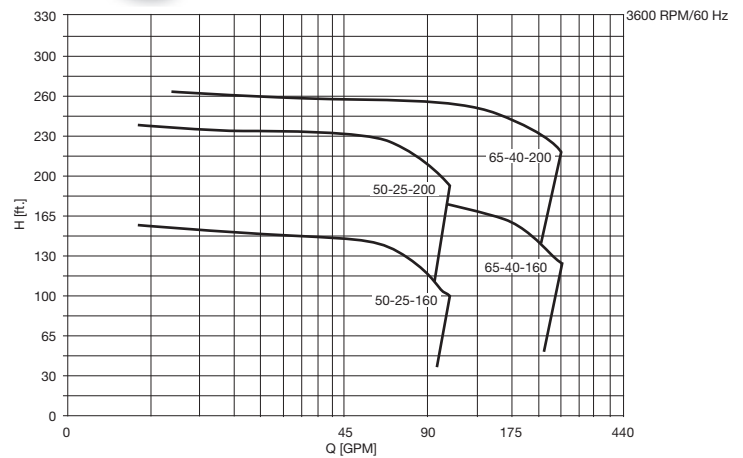
- Vertically mounted magnetic drive pump with patented drive system
- The pump is totally self-draining through the suction connection eliminating requirement for additional flush drain and vent connections
- Due to the inherent design of the internal bearing lubrication and the gasket construction according 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
- 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 ring material available on request (FKM, EPDM, Silicone)
- Different suction and discharge connections available (clamp, TI-Line, flange, and butt weld)

## TECHNICAL DATA

Capacity	Q:	up to 20 m <sup>3</sup> /h 220 GPM
Head	H:	up to 260 ft.
Temp	°F:	-72 up to 300°F
Nom. Pres.	PN:	230 PSI
Materials		316L S/S. Hast. C22, Alloy 59 Other materials available on request.
Execution		Vertical / close coupled



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