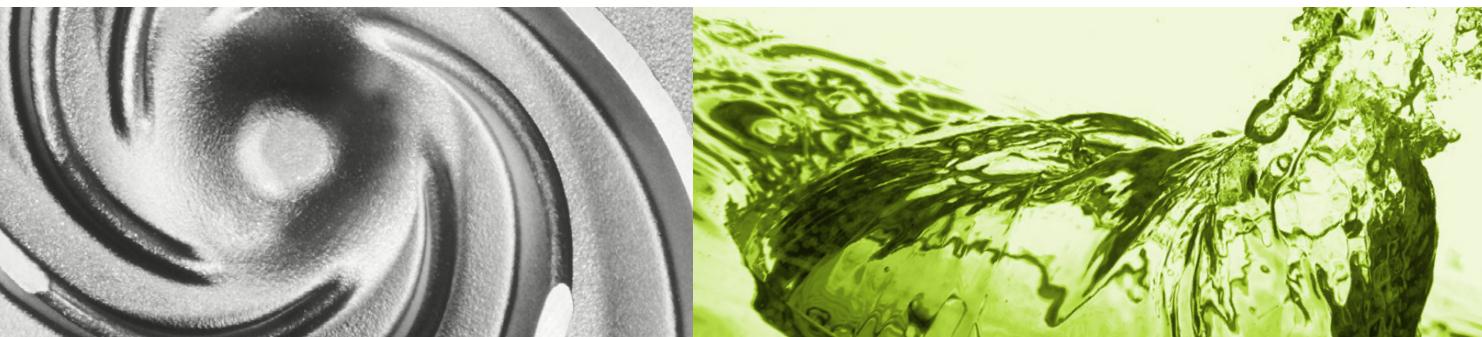


# SZMK

## Stainless Steel Magnetic Drive In-Line Chemical Process Pump



The sealless SZMK magnetic drive pump is ideal to meet the stringent requirements of chemical processing and a multitude of other industries. This highly advanced and extremely energy efficient pump is built to handle fluids reliably and absolutely safely.

With its special design, the SZMK requires no plain bearing carrier. Optimum lubrication and cooling of the single, centrally located impeller bearing assembly with the process fluid gives the pump excellent running characteristics.

The SZMK features a non-clog, wear-resistant open impeller rotating stably about a stationary axis on the gyroscopic principle, maintaining a perfect hydraulic balance. This minimises bearing loads, increasing the reliability of operation. Depending on the medium, the pump can handle fluids containing solids in concentrations up to 30 per cent with a particle size up to 1 mm.

Wetted parts of the casing are machined from rolled bar stock, offering a very wide choice of materials of construction. This allows the pump to be tailored exactly to the pumping application and corrosive medium to be handled.

The SZMK is constructed with just a few, robust components, facilitating assembly and minimising the costs of spare parts, maintenance and servicing. With its vertical in-line design, the pump takes up little space and can be fitted into any installation easily and inexpensively. A wide array of options is available for the SZMK.

### Configurations

Close-coupled

### Mounts

- Stand
- Vertical
- In-line

### Casing materials

- Stainless steel 1.4404/1.4435 (316L)

### Pump protection

- Containment shell temperature monitoring
- Engine load sensor

### Industries, processes and fluids

Learn more about typical applications:





#### Technical data

Capacities (min./max.)	0.5 to 40 m <sup>3</sup> /h   2.20 to 176.1 gpm
Heads (min./max.)	1.4 to 22 m   4.6 to 72.2 ft
Temperatures (min./max.)	-100 to +200°C   -148 to +392°F
Kinematic viscosities	0.5 to 350 mm <sup>2</sup> /s   cSt
Solids handling	up to 30% solids concentration and 1 mm particle size, depending on the pumped fluid

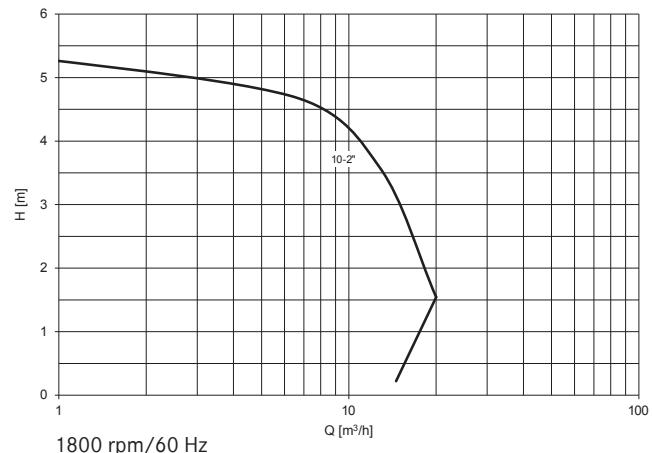
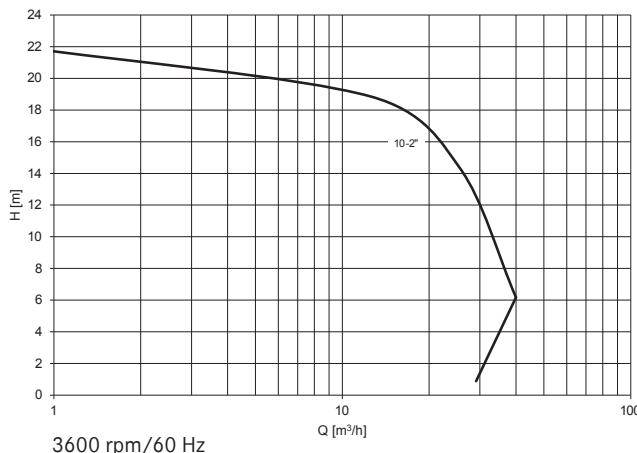
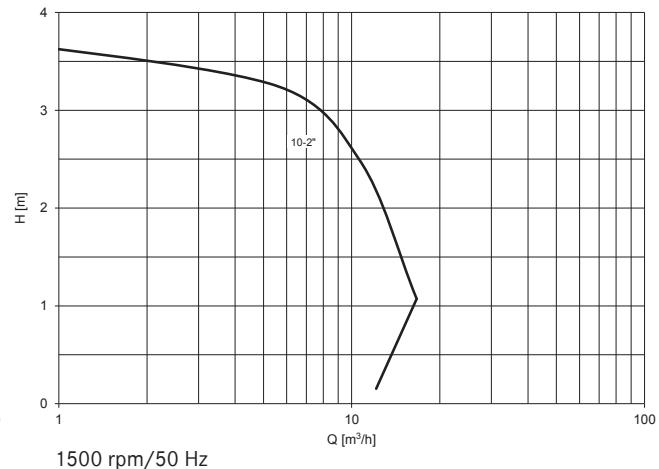
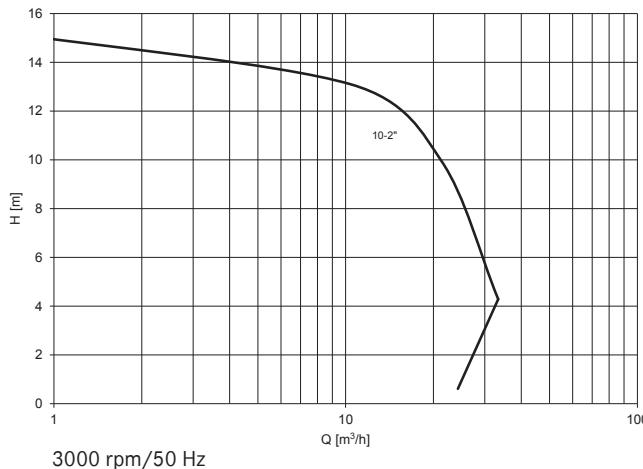
#### Directives and standards

EC Machinery Directive

EC ATEX Directive

DIN EN ISO 5199

DIN EN ISO 15783



Find your local CP distributor on [www.cp-pumps.com](http://www.cp-pumps.com) or contact CP directly:  
+41 62 746 85 85 / [info@cp-pumps.com](mailto:info@cp-pumps.com)

