

# MKPP

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



The sealless MKPP 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 MKPP 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 pump features a peripheral 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. With this type of impeller, the MKPP can generate high head at low flow rates, making it perfect for dosing and injection applications.

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 MKPP 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 MKPP.

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### Configurations

Close-coupled

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### Mounts

- Stand
- Vertical
- In-line

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### Casing materials

- Stainless steel 1.4404/1.4435 (316L)
- Stainless steel (e.g. 1.4306, Uranus® B6)
- Duplex alloys (e.g. 1.4517)
- Nickel-base alloys (e.g. Hastelloy® C-4, C-22)
- Other materials (e.g. rolled bar stock) to meet customer needs

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### Pump protection

- Containment shell thermocouple
- Engine load sensor

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### Industries, processes and fluids

Learn more about typical applications:





### Technical data

Capacities (min./max.)	0.25 to 4 m <sup>3</sup> /h   1.10 to 17.61 gpm
Heads (min./max.)	1 to 40 m   3.28 to 131.23 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	0%

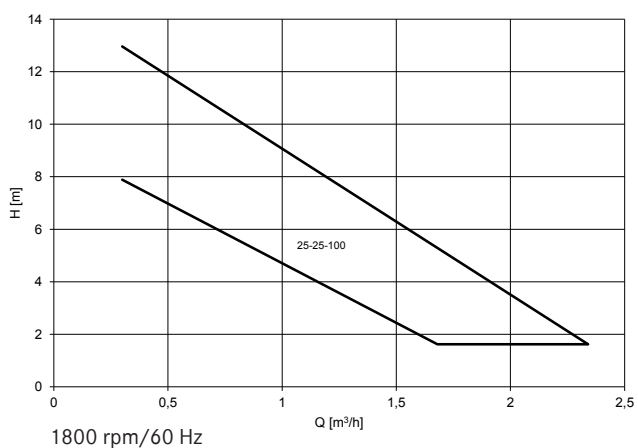
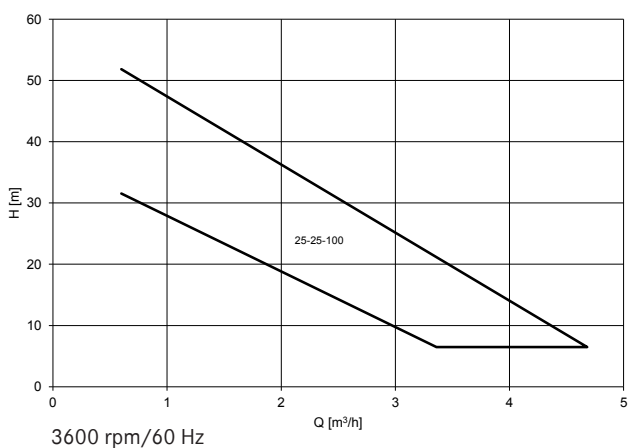
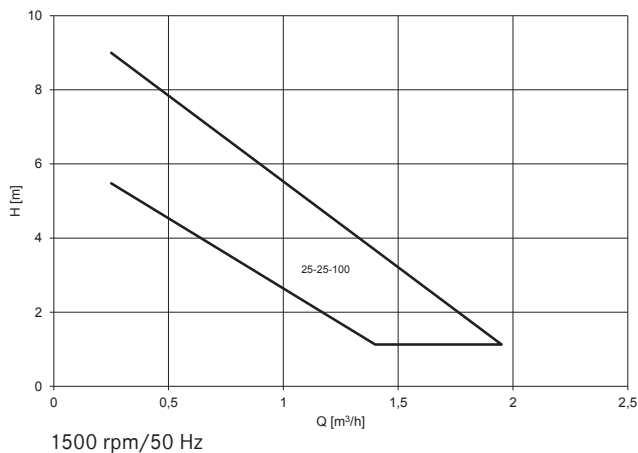
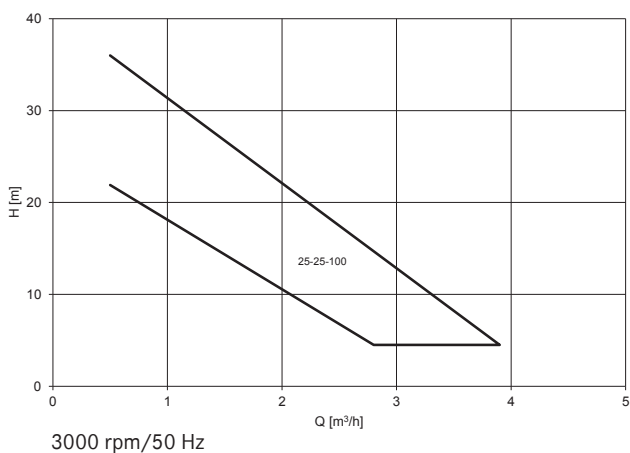
### Directives and standards

EC Machinery Directive

EC ATEX Directive

DIN EN ISO 5199

DIN EN ISO 15783



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