

MSKS

Solid PTFE Self-Priming Magnetic Drive Chemical Process Side Channel Pump



With its sealless design, the MSKS magnetic drive pump is ideal to meet the stringent requirements of chemical processing and a multitude of other industries. This highly advanced, energy efficient pump is built to handle corrosive fluids reliably and absolutely safely, especially in applications requiring resistance to permeation.

The pump casing is constructed of thick vacuum-, corrosion- and permeation-resistant solid plastic. Use of carbon filled PTFE prevents electrostatic charging on the casing. Alternatively, the pump is also available in virgin PTFE or PVDF.

Made of pure SSiC (sintered silicon carbide) in a robust design engineered for ceramics, the bearing assembly ensures highly reliable operation. Plain and thrust bearings are securely locked in place to resist torsional forces using a polygonal form-fit, self-centring system.

The MSKS features a radial vane impeller with a metal core. This type of impeller allows the pump to handle fluids with a gas content up to 25 per cent. A separate priming tank is not necessary because the pump evacuates the suction line itself by creating a vacuum. The MSKS can even readily pump entrained air in the suction line while running, thus making it even safer and more reliable in operation.

Engineered to produce suction lifts up to 8.5 m, the MSKS can be customised with a comprehensive array of options that can be combined to meet individual needs.

Configurations

Close-coupled

Mounts

- Baseplate
- Horizontal

Casing materials

- PTFE carbon-filled
- PTFE virginal
- PVDF

Pump protection

- Containment shell leakage monitoring
- Pt100 temperature probe
- Engine load sensor

Industries, processes and fluids

Learn more about typical applications:





Technical data

Capacities (min./max.)	0.2 to 2.5 m ³ /h 0.88 to 11 gpm
Heads (min./max.)	1 to 34 m 3.28 to 11.55 ft
Temperatures (min./max.)	-20 to +80°C -4 to +176°F
Kinematic viscosities	0.5 to 350 mm ² /s cSt
Solids handling	0%

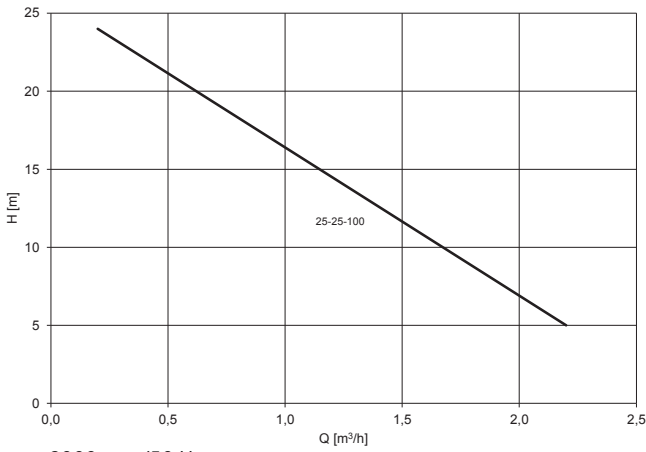
Directives and standards

EC Machinery Directive

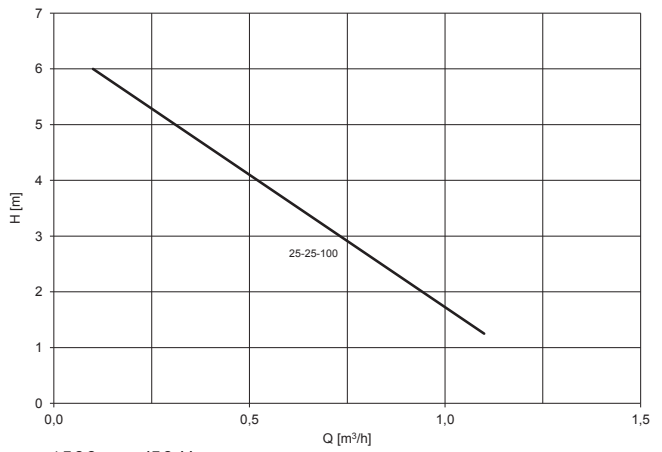
EC ATEX Directive

DIN EN ISO 5199

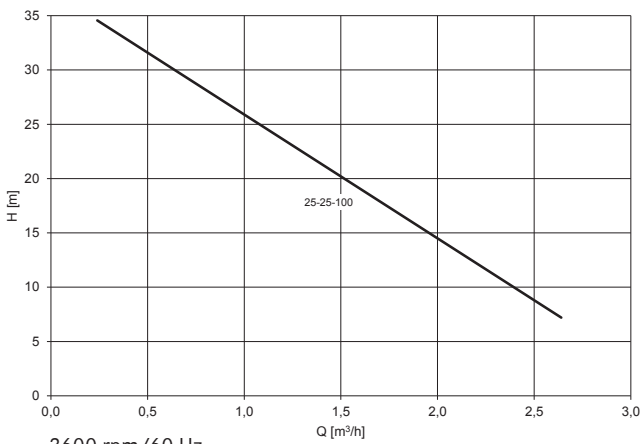
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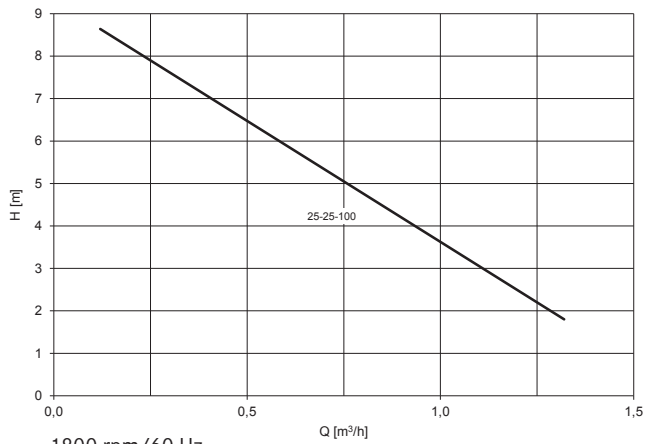
3000 rpm/50 Hz



1500 rpm/50 Hz



3600 rpm/60 Hz



1800 rpm/60 Hz

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