

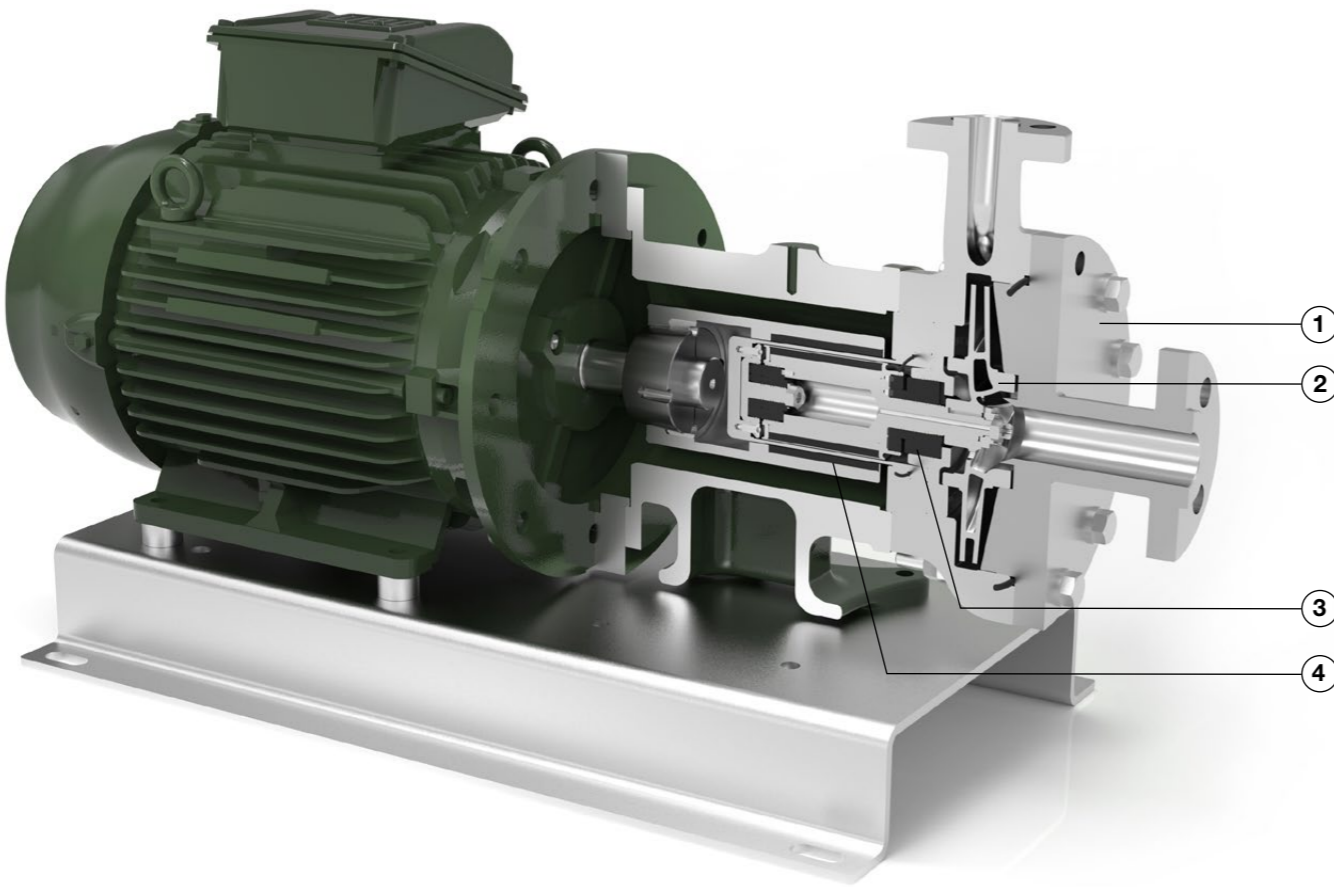
# Pump series VMHP



## Characteristics

The High Pressure Verdermag VMHP pump is a robust horizontal end-suction centrifugal pump designed for extreme operating conditions. Featuring a sealless magnetic drive with synchronous coupling, it delivers safe, leak-free performance at discharge pressures up to 100 bar.

Mounted via a close-coupled bracket for compact installation, the VMHP pump combines maximum safety, high efficiency and exceptional mechanical strength — making it the ideal solution for critical high-pressure chemical and industrial processes.



## VMHP

- 1 Robust pump casing designed for 100 bar system pressure.
- 2 Closed impeller for optimal hydraulic efficiency and controlled internal circulation for lubrication of bearings.
- 3 Floating silicium carbide bearings.
- 4 Samarium cobalt magnets keep their transferrable torque at high temperature.

## Your benefits

- Hasteloy containment tube for lower Eddy current losses saves energy.
- Samarium cobalt magnets keep their transferrable torque at high temperature.
- Floating silicium carbide bearings: not sensitive to temperature shock, easy to replace and superior chemical resistance.
- Close coupled design, smaller footprint.

## Application areas

The VMHP pumps are used in nanofiltration, chemical transfer, petrochemical plants, power stations, oil rigs, recirculation, pharmaceutical production and CIP lines all over the world. The magdrive principle means VMHP pumps are 100% leak-free and provide total containment between the fluid and environment.

Pump series	VMHP
<b>Performances</b>	
Max flow rate	80 m <sup>3</sup> /h
Max differential head	68 m
Max system pressure	100 bar
Max liquid viscosity	150 cP
Max temperature	205°C
Impeller type	Closed
Max motor power	18.5 kW
Max speed	3000/3600 rpm
Available frequency	50/60 Hz
<b>Technical specifications</b>	
Material wetted parts	Stainless steel 316L or better
Shaft sealing	Magnetic coupling
Available seal material	FKM or FEP
Connections	ANSI class 600 flanges
Certificates and legislation	Ex

## Performance curves VMHP with 2 pole motor

