



EP serie

**Rotary lobe pump for extreme conditions
and high pressures**

EP series

Rotary lobe pump for extreme conditions and high pressure performance

Vogelsang's new EP series are durable rotary lobe pumps with high-performance gears that have been specially developed for extreme conditions and permanently high pressures in the industrial sector. The series covers a performance range of up to 18 bar delivery pressure.

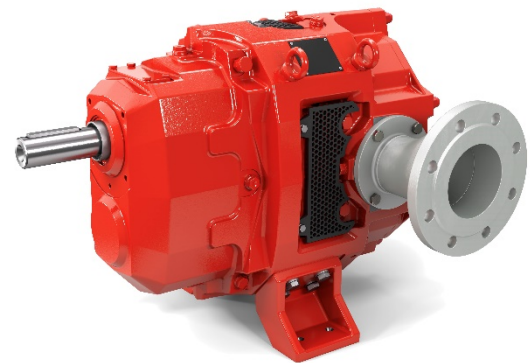
In addition to the Vogelsang Quality-Cartridge, different mechanical seals for operation in the API area and in demanding industrial applications, which Vogelsang developed in cooperation with leading manufacturers, can also be installed in the new design.

The high-performance gearbox of the EP series features helical gears to ensure extremely smooth running and thus reduces the noise emissions of the entire system. Wear and tear on the pipelines due to vibrations is thus reduced to a minimum.

The flow-optimized, one-piece housing of the pump has narrow tolerances and few sealing points, which leads to a high level of efficiency.

In addition, an AirGap serves as atmospheric protection for the gearbox in the event of a leak in the pump chamber. The pipelines are connected via a flow-optimized quick connector with O-ring seal. In this way, higher flange loads can be realized while the high level of maintainability that Vogelsang products are known for is also enhanced.

Integrated sensors allow the EP series to supply all the key information on operating states.



EP-Serie			
Typ	136-70	136-105	136-140
Max. pressure [bar]	18	13	10
Max. capacity [m³/h]	60	90	120
Max. speed [min ⁻¹]	800		
Max. temperature	200 °C		
Max. free passage [mm]	40		

Advantages

- High pressure performance
- Variety of seals to comply with industry-specific standards and requirements
- Unparalleled smooth running thanks to high-performance gears
- High efficiency due to one-piece housing
- Quick connector to improve maintainability
- Integrated sensors
- AirGap to protect the gearbox and pump chamber in the event of a leak

Options

- Supply systems for flushing plans according to API 682, etc.
- New ASU seal supply system to increase the service life of the bearing
- ATEX compliant
- TA-Luft compliant
- Stainless steel
- Axial and radial protection plates for abrasive media
- CIP-SIP capability