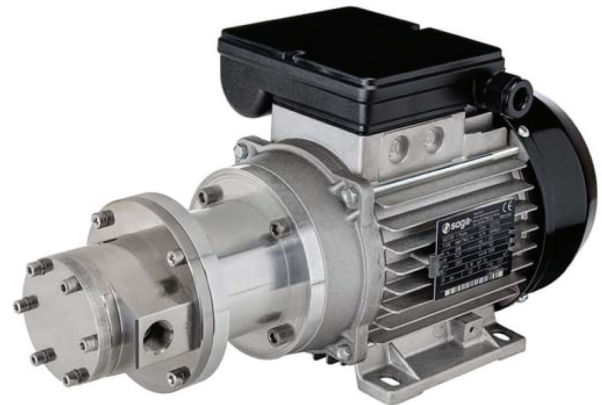


The MPO 1R magnetic drive rotary vane pumps are ideally suited for low flow/high head applications. MPO pumps feature self-compensating sliding-vanes which maintain design head and flow capacities for extended operating life. MPO vane pumps are suitable for thin non-lubricating liquids and/or high differential pressure without rapid wear associated with gear mechanisms.

MPO pumps are capable of self-priming from a dry start. The magnetic drive principle consists in an inner magnet connected to the rotor shaft and an outer magnet connected to the motor shaft. Synchronous alignment of the two magnets provides pump running.

Decoupling occurs when the pump head exceeds the coupling torque of the magnet coupling. The introduction of a new driving magnet with improved torque brings the maximum operating pressure to the same values of the same pumps with direct coupling.



- longer service life
- no mechanical seals
- totally sealed body
- low maintenance
- less power consumption
- smooth transmission

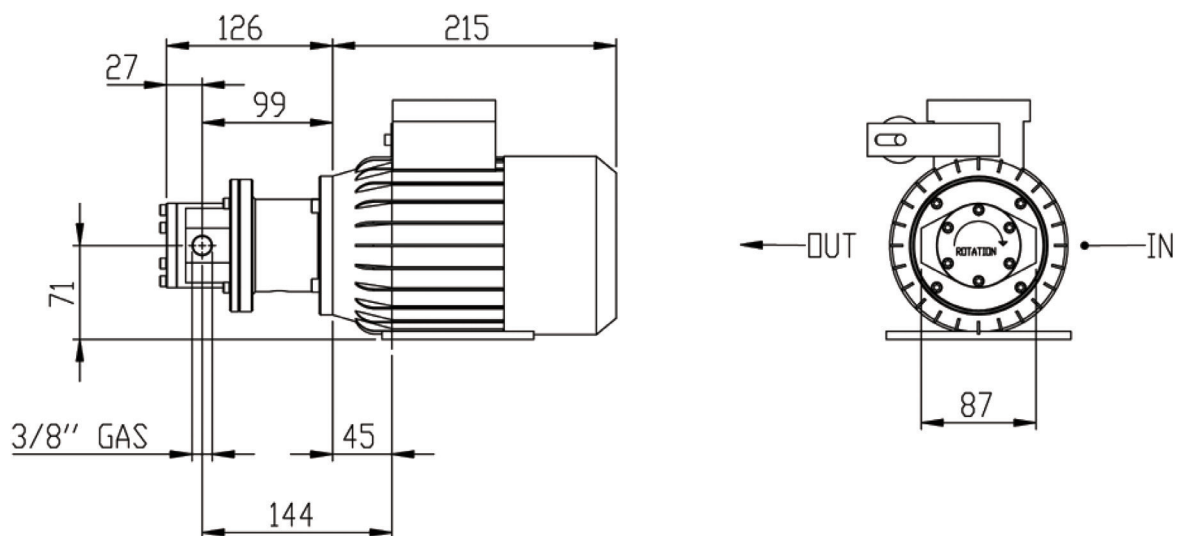
TECHNICAL SPECIFICATION

The MPO series magnetic drive rotary vane pumps are available in stainless steel or brass with carbon graphite internal components.

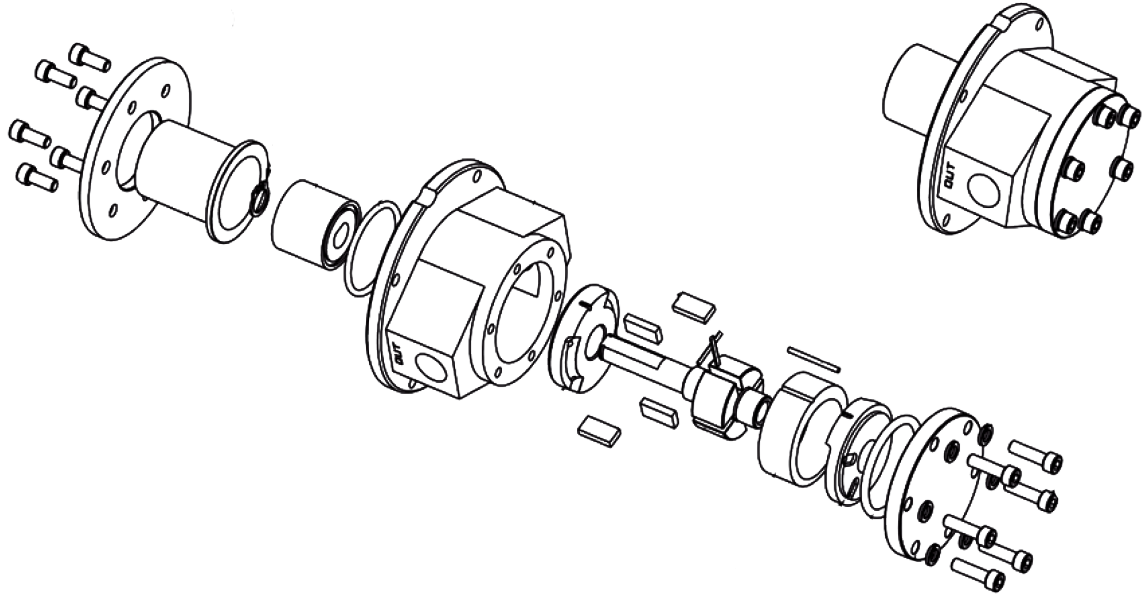
Available upon requests:

- 3/8" GAS or NPT threaded ports
- Max system pressure: 18 Bar (260 psi)
- NBR, EPDM or Viton seals
- Max temperature: 100 °C (212 °F)

DIMENSIONS

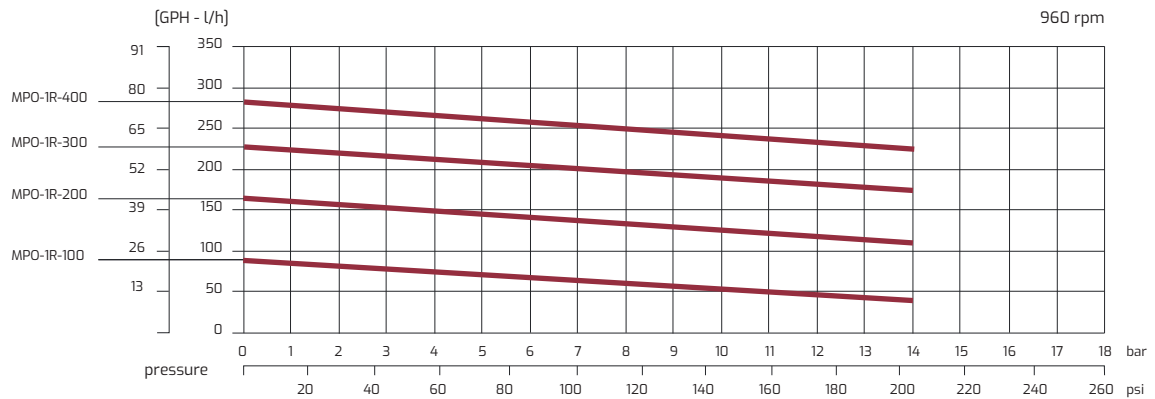


TECHNICAL INFORMATION

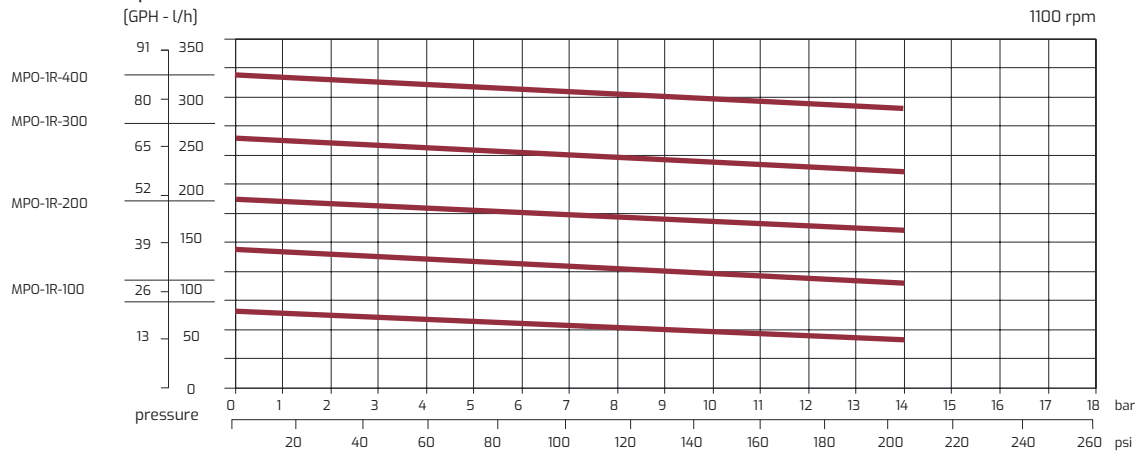


PERFORMANCE CURVES

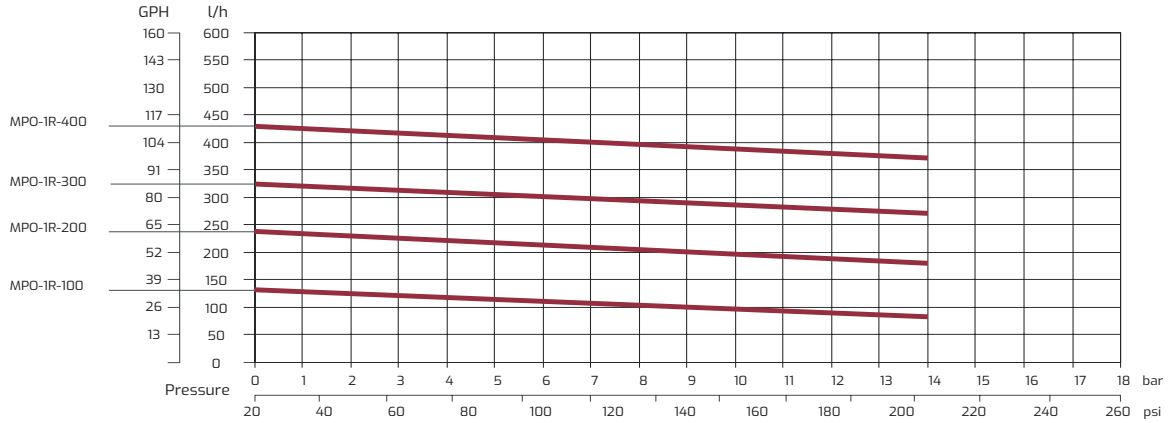
FLOW at 960 rpm



FLOW at 1100 rpm 60Hz



FLOW at 1400 rpm



FLOW at 1725 rpm 60Hz

