

Fluid-o-Tech magnet drive gear pumps MG300 series



compatibility with a wide range of fluids. The housing of the pump and the internal metal parts are in AISI 316 L stainless steel while gears and bushings are available in Peek™, Ceramic Peek™ or PTFE™.

In operation the MG300 series pumps are noiseless, pulsation-free and capable of handling relatively high temperature liquids (up to 120 °C or 248 °F) with low coefficient of expansion. Operation at different pressures ranges is possible thanks to a choice of materials for the magnets.

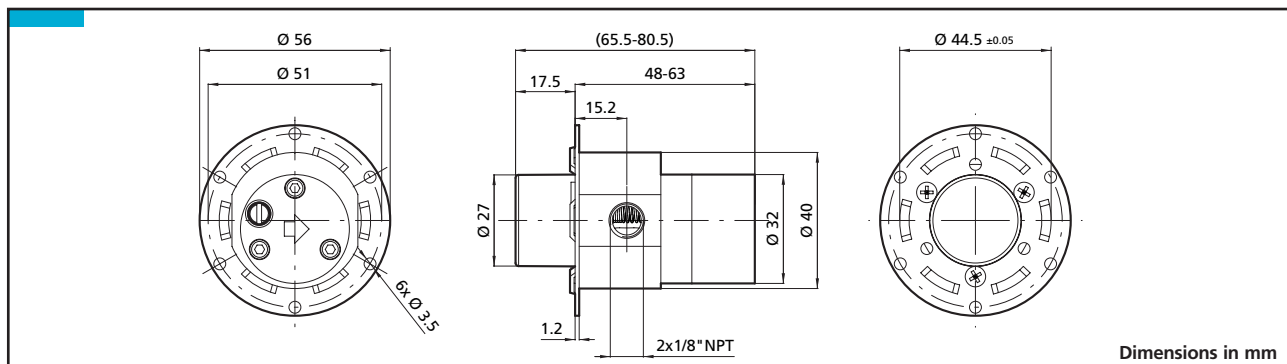


The MG300 series magnet drive gear pumps are compact precision performance pumps for a wide range of specialized applications. Thanks to the improved design, the MG300 series grant a more accurate and uniform delivery regardless of the fluid temperature. The seal less design with the magnetic transmission of the rotation is guarantee of a leak proof product. Static seals are available in PTFE™/NBR/VITON®/ EPDM/SILICON, in order to guarantee the highest chemical

All pumps are available with:

- 1/8" GAS or NPT
- customized ports upon request
- NSF listing (PTFE™ or Silicon seals)

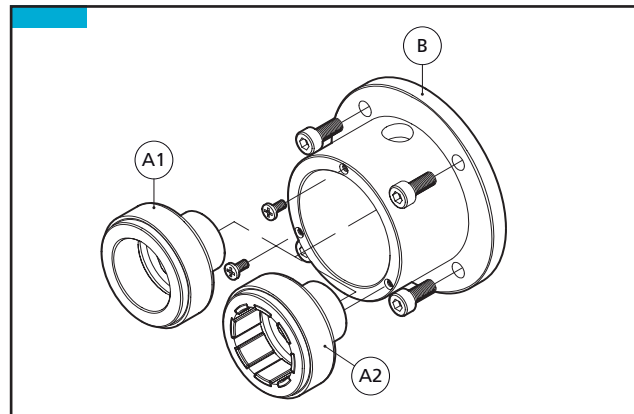
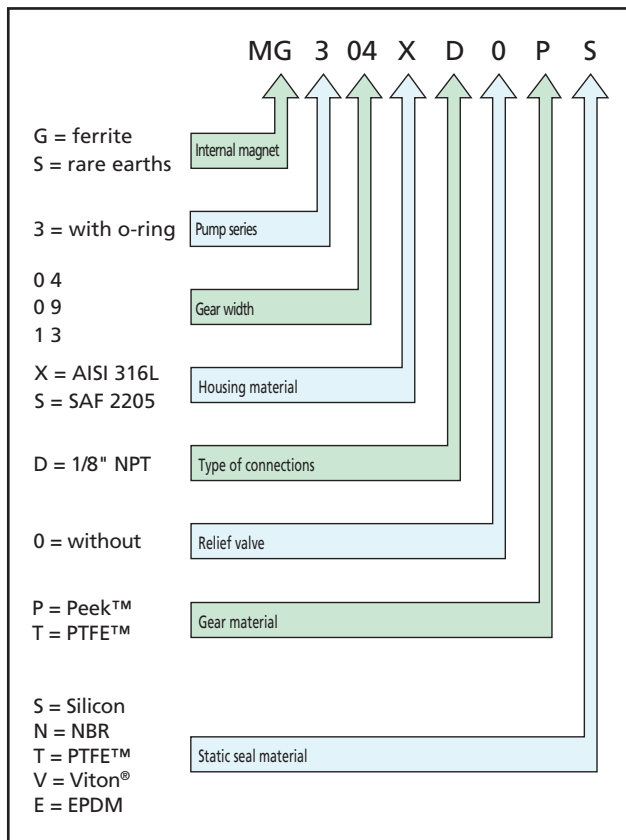
Composition materials		Technical information	
Housing	Gears	Temperature range	Max system pressure
SS	PTFE™	-45 to +50 °C/-49 to +122 °F	20 bar/290 psi
SS	Peek™	-45 to +120 °C/-49 to +248 °F	20 bar/290 psi



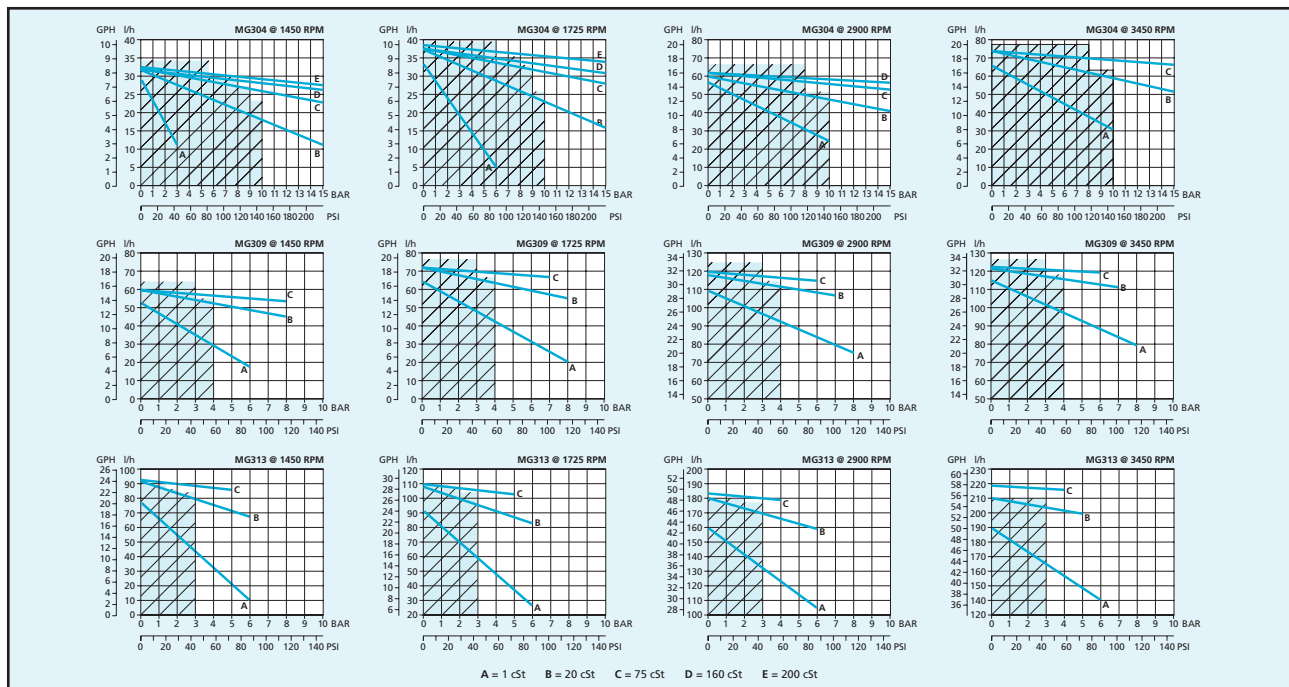
Main applications

- Medical and surgical equipment
- Hemodialysis apparatus
- Laser apparatus
- Lubrication
- Ink-jet printing systems
- Cooling systems
- Laboratory instrumentation
- Water purification and ultra-filtration
- Sampling
- Food processing equipment

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Pos.	Description	Features	Code
A1	Ferrite driving magnet	6 mm bore	MGAFO5S
		9 mm bore	MGAFO6S
		11 mm bore	MGAFO9S
A2	Rare earths driving magnet	6 mm bore	MGA505S
		9 mm bore	MGA506S
		11 mm bore	MGA509S
A1 + B	Adapter kit with ferrite driving magnet	M48 motor	MGBF42S
		M56 motor	MGBF56S
		M63 motor	MGBF63S
A2 + B	Adapter kit with rare earths driving magnet	M48 motor	MGBS42S
		M56 motor	MGBS56S
		M63 motor	MGBS63S



Note: Performance beyond the broken line zone are reached with the rare earths magnets. Characteristics with water at 20 °C (68 °F) and without relief valve, max vacuum 724 mmHg. Use filter before pump inlet not larger than 10 micron. Pump weight: 510 g (1,12 Lbs). Temperature requirements different from ambient temperature must be mentioned on the order. Different materials are available upon request.

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

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