

DESCRIPTION

The MG300 Series Gear Pumps are compact precision performance products for high technology applications. The magnet drive principle provides a totally sealed pump chamber that is capable of handling a wide range of corrosive liquids with a high degree of safety. The housing of the pump and the internal metal parts are AISI 316 stainless steel. The MG Gear Pump gears are in PEEK.

In operation, the MG 300 Series gear pumps are noiseless, pulsation-free and capable of handling relatively hot liquids, i.e., 120°C at a low coefficient of expansion. The principle of the magnet drive comprises an inner PEEK encapsulated magnet embodied in the pump, connected to the driving gear, and an outer magnet connected to the motor shaft. The pole-to-pole alignment of the magnets provides the driving motion to the pump. Decoupling occurs when the pump load exceeds the coupling torque between the magnets.

In/Out ports have 1/4" NPT female threads. A built-in relief valve is available upon request.

Typical Applications:

- Medical equipment
- Hemodialysis apparatus
- Lab instrumentation
- Cooling systems
- Ink-jet printing systems
- Water purification
- Exhaust fumes treatment
- Seal flush
- Laser apparatus

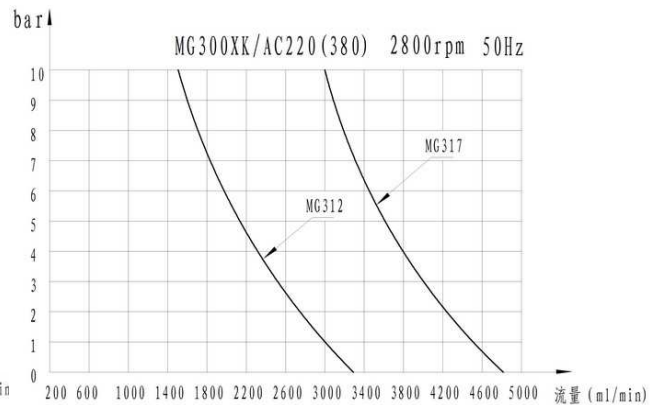
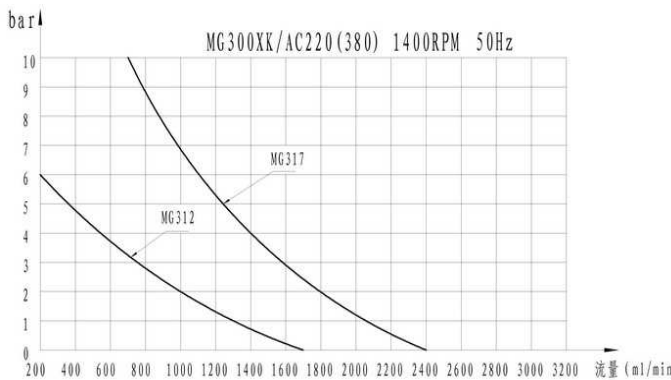
FOR YOUR CONVENIENCE, THESE ITEMS ARE AVAILABLE ONLINE

Model	Gear width	Housing	Connections
MG3	12=12MM 17=17MM	Stainless Steel(316)	1/4" NPT

Parameter

Temperature ranges:	PEEK: -45°C / +120°C	
Voltage	220VAC	380VAC
Frequency	50HZ	60HZ
Poles	2	2
Rated Pressure	7bar	7bar
Flow rate	500-4500ml/min	500-4500ml/min
Output power	180W	180W
Weight	5.3kgs	5.3kgs

Performance Curve



Dimensions(mm)

