

DESCRIPTION

The MG300 DC 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 MG300 DC 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. The unit is supplied with a 24 Volt brushless DC motor and Variotronic speed control system.

Typical Applications:

- Medical equipment
- Hemodialysis apparatus
- Lab instrumentation
- Cooling systems
- Ink-jet printing systems
- Water purification

FOR YOUR CONVENIENCE, THESE ITEMS ARE AVAILABLE ONLINE

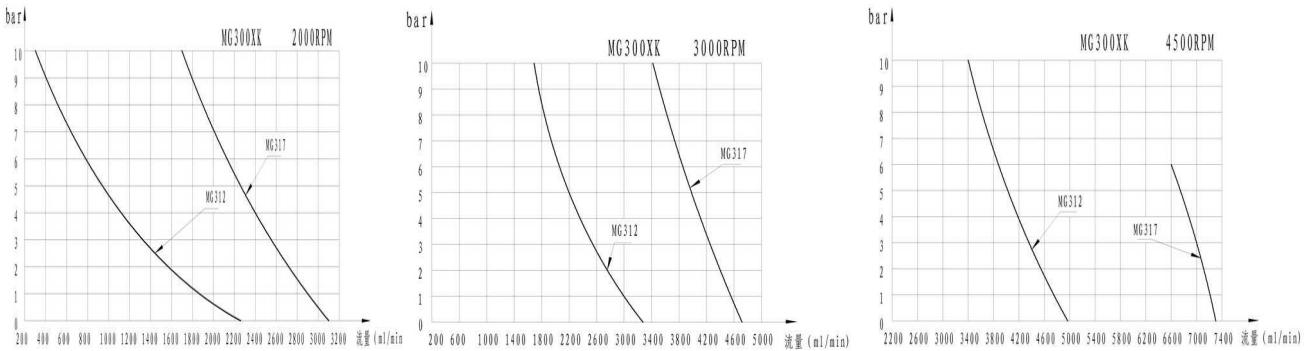
Model	Gear width	Housing	Connections
MG3	12=12MM 17=17MM	Stainless Steel(316)	1/4" NPT

Options: Variotronic controller

Parameter

Rated Pressure	Flow rate	Power
5bar	500~6000ml/min	200W

Performance Curve



Dimensions(mm)

