

MG300 Series

Brushless Magnetic Driving Gear Pump

MG300DM Series



Typical Applications

- EV Charging pile cooling
- Food processing machines
- Medical instruments
- Inkjet printers
- Spray equipment
- Commercial & industry equipment
- Fluid delivery
- Cooling circulation

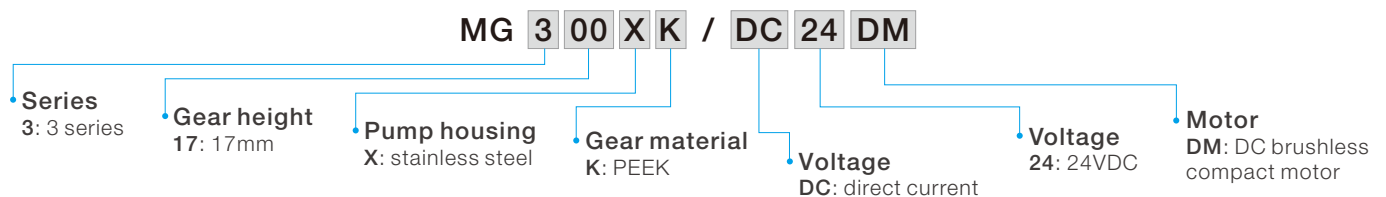
Strength

- 316L SS shell, PEEK gear, PTFE sealing, corrosion resistance, high temperature resistance, durable
- Driven by magnetic coupling, no leakage
- Compact structure, high pressure
- Pulsation free flow & Low noise
- Resersible
- FDA standards to ensure food safety
- Stepless-adjustment flow
- Can be customized to transfer high temperature liquid

Operating Conditions

- Altitude: ≤ 2500 M
- Humidity environment: $\leq 75\%$
- Fluid viscosity: 0 ~ 1500 CPS
- Ambient temperature: $-35^{\circ}\text{C} \sim 55^{\circ}\text{C}$
- Fluid temperature: $-40^{\circ}\text{C} \leq T \leq 85^{\circ}\text{C}$ (except for the freezing)
- Working way: continuous working
- Liquid type: water, antifreeze, acid and alkali, organic solvents, oils.
- Lifetime: 20000 hours
- IP: IP67

Order Code

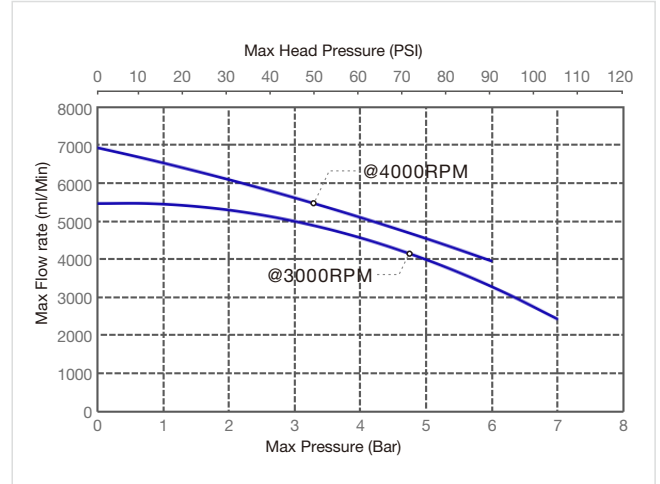
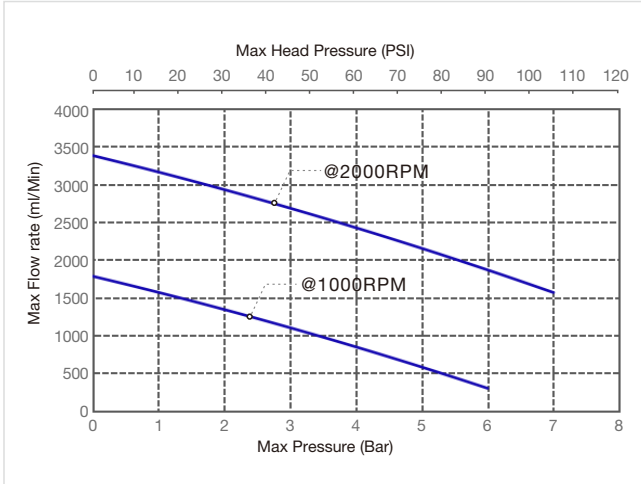


Specification

Item Number	Max Pressure (Bar)	Max Flow rate (ml/Min)	Power (W)	Voltage (V)	Inlet/Outlet Diameter	ml/rpm (reference 3000RPM)
MG317XK/DC24DM	8	6000	150	24	G1/4"	1.5

Note: 1. Gear type : "XK" for common fluid, "YT" for fluid with rigid particles, "PK" for acid and alkali
 2. Valve : "L" limited pressure valve, "R" non return valve
 3. Speed control methods : standard 0~5V, PWM customized

Curve



Note: 1. Usually suggested to work under 3500RPM, not higher than this. 2. Above test result basis on the medium of water

Dimension (mm)

