

MG300 Series

Brushless Magnetic Driving Gear Pump

MG300XK Series Pump With Inside Controller



Typical Applications

- **New Energy Industry:** EV charging cable cooling
- **Food Equipment:** Automatic filling machine, coffee machine, food processing, milk vending machine
- **Medical Equipment:** hemodialysis machine, surgical instrument, skin care, disinfection and sterilization equipment, beauty equipment
- **Printing Equipment:** ceramic inkjet printers, inkjet printer, photo machines, barcode machines
- **Commercial Equipment:** laser cooling units, spray equipment, water treatment, welding & cutting, lab instrumentation, spraying
- **Other:** Fluid transfer, cooling circulation

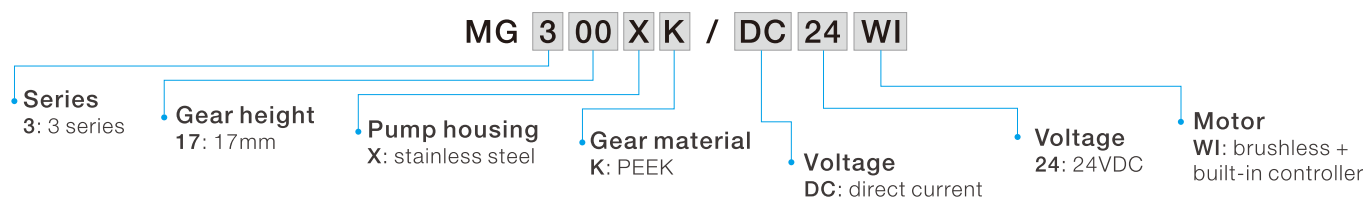
Strength

- 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 ~ 2000 CPS
- Ambient temperature: $-30^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- Fluid temperature: $-10^{\circ}\text{C} \leq T \leq 100^{\circ}\text{C}$ (customized)
- Working way: continuous working
- Liquid type: water, antifreeze, acid and alkali, organic solvents, oils.
- Lifetime: 8000 hours

Order Code



Specification

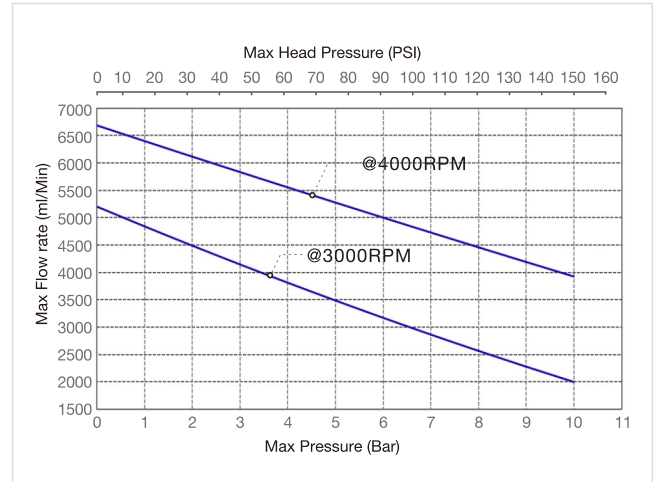
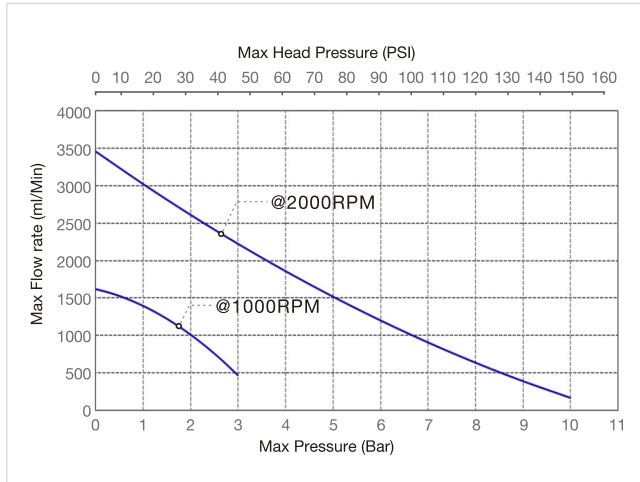
Item Number	Rated Pressure (Bar)	Max Flow rate (ml/Min)	Power (W)	Voltage (V)	Inlet/Outlet Diameter	ml/rpm (reference 3000RPM)
MG317XK/DC24WI	5	5300	200	24	G1/4"	1.5

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
4. High temperature fluid: "H" for 50-100°C

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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)

