TOPSFLO
Excellence in Micro Pump,DC Pump

MG300 Series
Brushless Magnetic Driving Gear Pump

MG300XK Series

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: ≤ 75%
- Fluid viscosity: 0 ~ 2000 CPS
- Ambient temperature: -30℃ ~ 50℃
- Fluid temperature: -10℃ ≤ T ≤ 100℃ (except for the freezing)
- Working way: continuous working
- Liquid type: water, antifreeze, acid and alkali, organic solvents, oils.
- Lifetime: 8000 hours

Order Code

MG | 3 | 00 | X | K | / | DC | 24 | WI | - | 200

- **Series** — **3**: 3 series
- **Gear height** — **17**: 17mm
- **Pump housing** — **X**: stainless steel
- **Gear material** — **K**: PEEK
- **Voltage** — **DC**: direct current
- **Voltage** — **24**: 24VDC
- **Motor** — **WI**: brushless + built-in controller
- **Power** — **200**: 200W

Specification

Item Number	Max Pressure (Bar)	Max Flow rate (ml/Min)	Power (W)	Voltage (V)	Inlet/Outlet Diameter	ml/rpm (reference 3000RPM)
MG317XK/DC24WI	10	6500	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

- 86-731-82739266
- www.topsflo.com

ISO 9001: 2015 | IATF 16949: 2016

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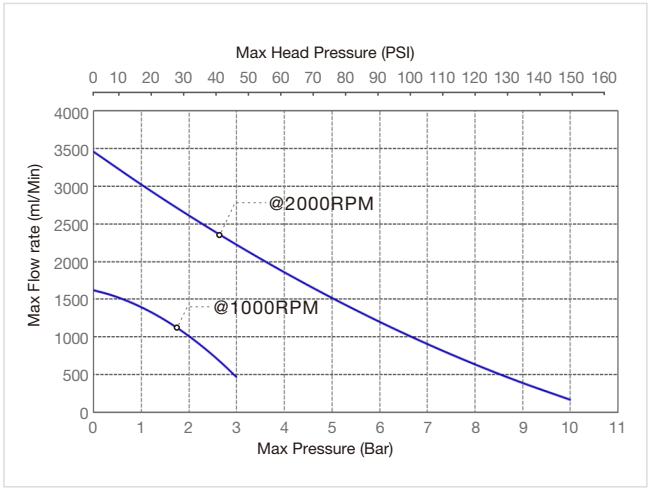
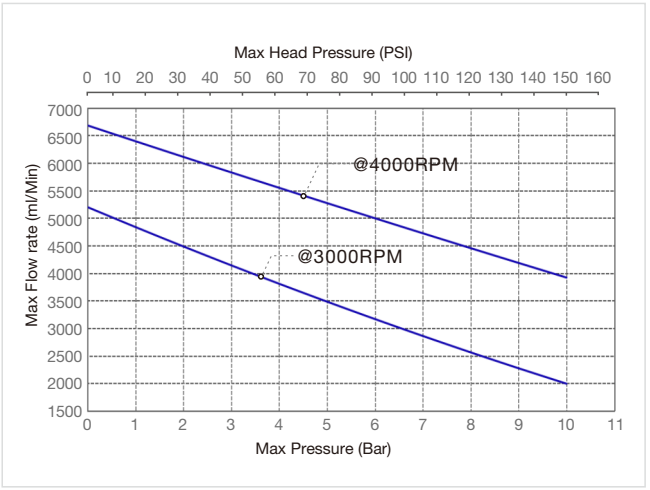
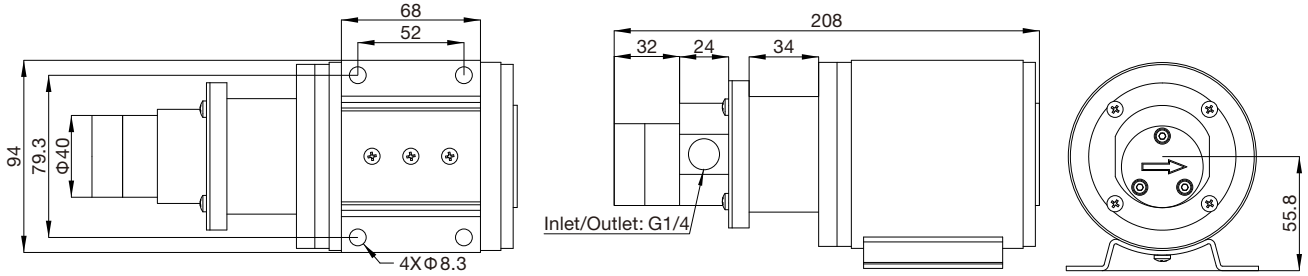
Curve





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

Dimension (mm)



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