TOPSFLO
Excellence in Micro Pump,DC Pump

MG200 Series
Brushless Magnetic Driving Gear Pump

MG200XK Series Pump With Inside Controller

Typical Applications

- Food equipment: Automatic filling machine, coffee machine, food processing
- 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

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
- Strong self-priming ability
- FDA standards to ensure food safety
- Stepless-adjustment flow
- Suitable for -0.1 Mpa~2Mpa closed systems, resistant to impact loads

Operating Conditions

- Altitude: ≤ 2500 M
- Humidity environment: ≤ 75%
- Fluid viscosity: 0 ~ 3000 CPS
- Ambient temperature: -10°C ~ 50°C
- Fluid temperature: -10°C ≤ T ≤ 100°C (except for the freezing)
- Working way: continuous working
- Liquid type: water, antifreeze, acid and alkali, organic solvents, oils.
- Lifetime: 8000 hours

Order Code

MG | 2 | 04 | X | K | / | DC | 24 | WI

Series
2/3: 2 series or 3 series

Gear height
04: 4mm
09: 9mm
13: 13mm

Pump housing
X: stainless steel
P: PPS
Y: hardened stainless steel

Gear material
K: PEEK
T: Hastelloy

Voltage
DC: direct current
AC: alternating current

Voltage
12: 12VDC
24: 24VDC
220: 220VAC
380: 380VAC

Motor
WI: brushless + built-in controller
W: brushless + external controller
No mark: brushed motor
B: stepper motor

Specification

Item Number	Max Pressure (Bar)	Max Flow rate (ml/Min)	Power (W)	Voltage (VDC)	Inlet/Outlet Diameter	ml/rpm (reference 3500RPM)
MG204XK/DC24WI	10	20-1000	70	24	G1/8"	0.27
MG209XK/DC24WI	7	100-2500	70	24	G1/8"	0.5
MG213XK/DC24WI	7	300-3500	70	24	G1/8"	0.75

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. Voltage : 12V DC optional
4. Inlet/Outlet type: G1/4" or NPT1/8" optional
5. High temperature fluid: "H" for 50-100°C

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

ISO 9001: 2015 | IATF 16949: 2016

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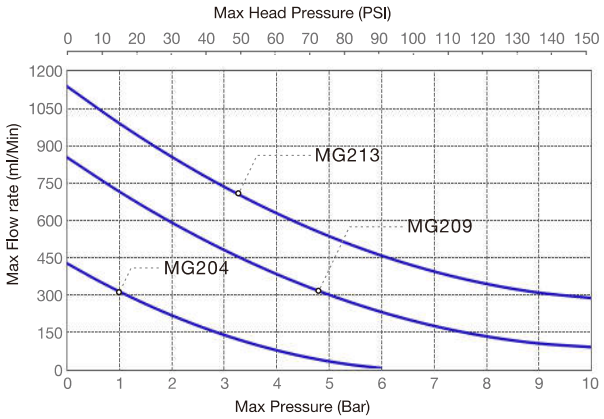
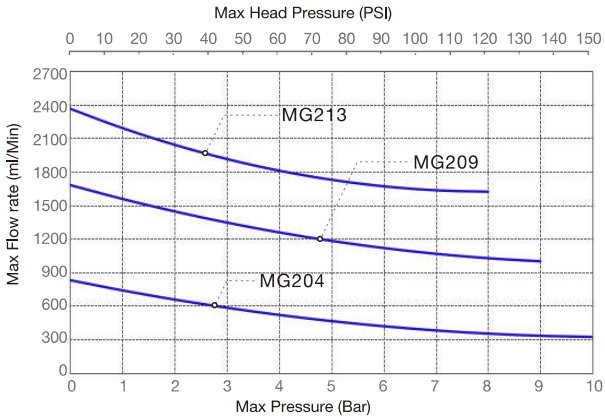
Curve

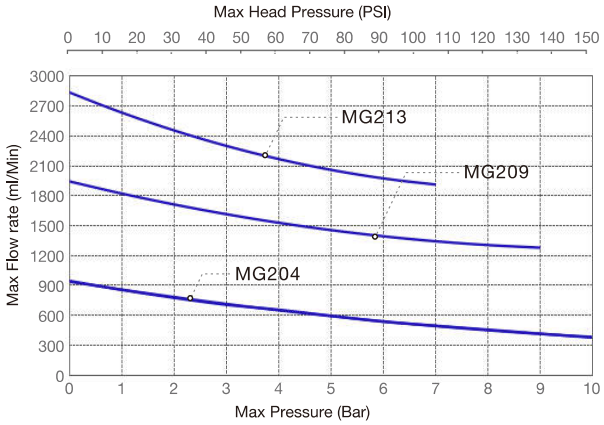
1400 RPM



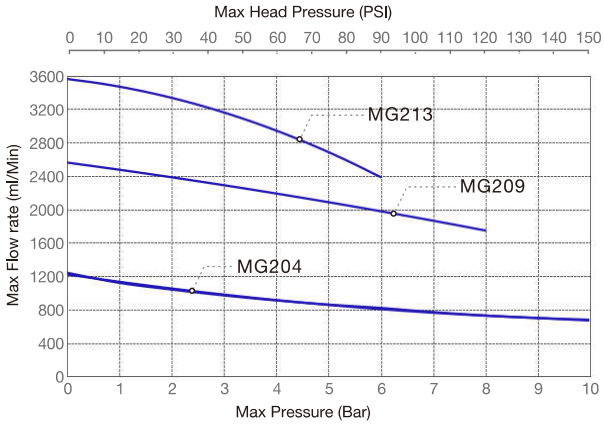
2800 RPM



3500 RPM

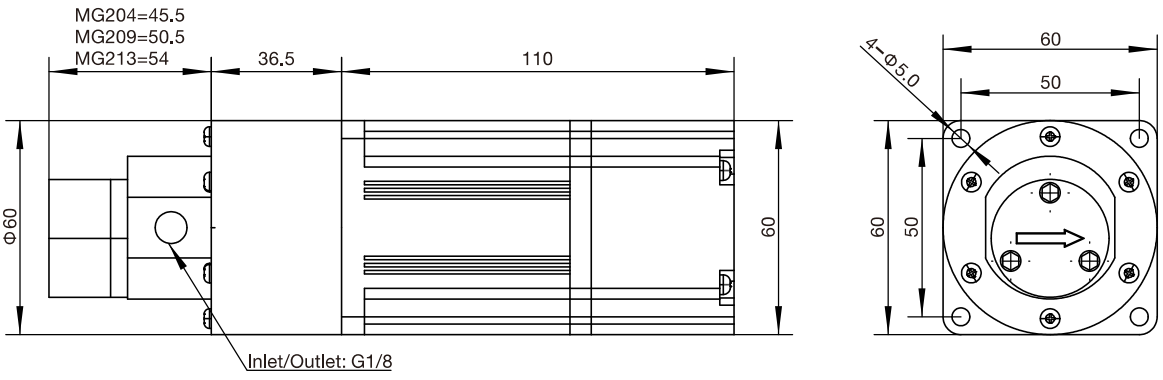


4500 RPM



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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