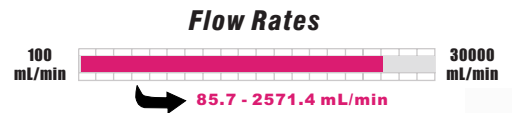


# WT3000-1JA Micro Gear Pump



**Applicable Pump Heads**



WT3000-1JA micro gear pump adopts brushless DC motor which features high efficiency and free maintenance. It can deliver flow rates from 85.7 to 2571.4 ml/min with the features of small pulse and big pressure.

## Specifications

Flow rates	85.7-2571.4 (mL/min)
Speed	300-3000 (rpm)
Speed precision	1.0%
Speed resolution	1.0 rpm
Viscosity of liquid	≤200 cSt
External input control	Speed control (4-20mA, 0.5-5V, 1.0-10V, 1.0-10kHz corresponding to 300-3000 rpm), start/stop control
Diameter of particle in liquid	≤10μm
Liquid temperature range	-45-50°C with PTFE gear, -45-120°C with PEEK gear
Communication interface	RS485
Max. outlet pressure (testing medium is water)	MG204: 0.8MPa MG209: 0.8MPa MG213: 0.3MPa
Power supply	AC 176-264V/90-130V, 50/60 Hz
Power consumption	≤50W
Operating condition	Temperature 0 to 40°C Relative humidity <90% (non-condensing)
Drive dimensions	232×142×149 (mm) (L×W×H)
Weight	2.83 kg
IP rating	IP31

## Functions and Features

- Acceptable pump head: MG204, MG209, MG213
- Operating mode: Membrane keypad
- Prime function for fast filling and emptying
- Display: 4 digits LED displays the speed of the pump, two LED lights indicate the running status and external control status
- External input function: Control the start/stop and the speed of the pump
- Footswitch: Control the start/stop of the pump
- Communication function: Realize computer control through RS485 interface
- Memory function: Store the running parameters automatically
- Cooling mode: Heat-emitting fan
- Running direction: Clockwise

Drive	Part Number	Pump Head	Speed (rpm)	Flow Rates (mL/min)	Weight (kg)
WT3000-1JA	0502701	MG204	300-3000	85.7-857.1	3.25
		MG209		171.4-1714.3	3.26
		MG213		257.1-2571.4	3.28