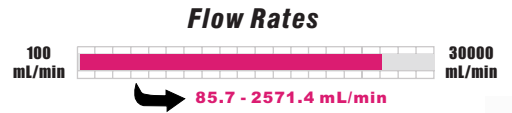


WT3000-1FA Micro Gear Pump



Applicable Pump Heads



WT3000-1FA micro gear pump has two work modes of flow rate and dispensing to deliver flow rates from 85.7 to 2571.4 ml/min and dispense liquid volume from 0.1 ml to 999 liter. It adopts 128×32 LCD display all the running parameters. Stainless pump head is compact and precise with the features of low noise and small pulse. It is suitable to deliver high pressure and high temperature liquid.

Specifications

Flow rates	85.7-2571.4 (mL/min)
Dispensing volume	0.1mL-999L
Copy No.	0-9999 , '0' means running continuously
Pause time	1s-999h, min. adjustment resolution: 0.1s
Flow rate calibration time	30-1800 second, adjustment resolution: 1s
Viscosity of liquid	≤200 cSt
External input control	Flow rate control (4-20mA, 0.5-5V, 1.0-10V, 1.0-10kHz) , start/stop control
External output control	1.25-12.5kHz frequency output corresponding to 300-3000 rpm; start/stop status output
Diameter of particle in liquid	≤10μm
Max. outlet pressure (testing medium: water)	MG204 : 0.8MPa MG209 : 0.8MPa MG213 : 0.3MPa
Liquid temperature range	-45-50°C with PTFE gear, -45-120°C with PEEK gear
Communication interface	RS485
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 heads: MG204, MG209, MG213
- Flow rate function: Deliver the liquid according to the set flow rates
- Dispensing function: Dispensing volume, copy number and pause time can be set
- Calibration function: The flow rates and the dispensing volume can be calibrated to increase the accuracy
- Display: 128 32 LCD display all the running parameters
- Operating mode: Membrane keypad
- Prime function for fast filling and emptying
- External control input: Control the flow rates and start/stop of the pump
- External control output: Output start/stop and speed signal
- 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)
WT3000-1FA	0502711	MG204	300-3000	85.7 - 857.1	3.25
		MG209		171.4 - 1714.3	3.26
		MG213		257.1 - 2571.4	3.28

