Micro Gear Pump

WT3000 Series

- Mainly used in laboratorial applications.
- Brushless motor, stainless steel pump head.

CE

GEAR PUMP

Pump Specification

Specifications \ Model	WT3000-1FA	WT3000-1FB-A, WT3000-1FB-B	WT3000-1JA	WT3000-1JB-A, WT3000-1JB-B
Speed	300rpm-3000rpm			
Speed resolution	1rpm			
Dispensing volume	0.1mL-999L		Not available	
Copy number	0-9999, “0” means unlimited cycle			
Pause time	1s-999hr, resolution is 0.1s			
Calibration time	30s-1800s, resolution is 1s			
Diameter of particle in liquid	⩽10μm			
Viscosity	⩽200cSt			
Speed signal input	4-20mA, 0.5-5V, 1-10V, 1-10kHz corresponding to 300rpm-3000rpm			
Start/Stop signal input	TTL signal			
Speed output	1.25kHz-12.5kHz corresponding to 300rpm-3000rpm		Not available	
Start/Stop output	OC gate signal			
Communication interface	RS485			
Dimension (L×W×H)	232×142×149(mm)	290×207×180(mm)	232×142×149(mm)	290×207×180(mm)
Power supply	AC 90V-260V/50W	AC 220V±20%/150W or AC 110V±20%/150W	AC 90V-260V/50W	AC 220V±20%/150W or AC 110V±20%/150W
Operating condition	0 to 40°C			
Relative humidity	＜80%			
IP rating	IP31			
Weight	2.83kg	5.1kg	2.83kg	5.1kg

Drive Model (Product code, Power supply)	Pump Head	Gear Material	Flow Rate (mL/min)	Outlet Pressure (Mpa)	Liquid Temperature (°C)	Weight (kg)
WT3000-1JA(05.06.01A)	MG204XD0PT00000	PEEK	85.7-857.1	⩽0.8	-45-120	3.25
	MG204XD0TT00000	PTFE	85.7-857.1	⩽0.8	-45-50	3.25
WT3000-1FA(05.06.03A)	MG209XD0PT00000	PEEK	171.4-1714.3	⩽0.8	-45-120	3.26
	MG209XD0TT00000	PTFE	171.4-1714.3	⩽0.8	-45-50	3.26
	MG213XD0PT00000	PEEK	257.1-2571.4	⩽0.3	-45-120	3.28
	MG213XD0TT00000	PTFE	257.1-2571.4	⩽0.3	-45-50	3.28
WT3000-1JB-A(05.06.02A, AC220V)	MS204XD0PT00000	PEEK	85.7-857.1	⩽1.4	-45-120	5.39
WT3000-1JB-B(05.06.02B, AC110V) WT3000-1FB-A(05.06.04A, AC220V)	MS209XD0PT00000	PEEK	171.4-1714.3	⩽0.9	-45-120	5.4
WT3000-1FB-B(05.06.04B, AC110V)	MS213XD0PT00000	PEEK	257.1-2571.4	⩽0.8	-45-120	5.42