

Micro Gear Pump

WT3000 Series



05.06.03A

WT3000-1FA



05.06.04A

WT3000-1FB



WT3000-1JB

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

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			
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			
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
	MG209XD0PT00000	PEEK	171.4-1714.3	≤0.8	-45-120	3.26
WT3000-1FA(05.06.03A)	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)	MS209XD0PT00000	PEEK	171.4-1714.3	≤0.9	-45-120	5.4
WT3000-1FB-A(05.06.04A, AC220V)						
WT3000-1FB-B(05.06.04B, AC110V)	MS213XD0PT00000	PEEK	257.1-2571.4	≤0.8	-45-120	5.42