

PRODUCT OVERVIEW

IDEAL SOLUTION FOR
LIQUID HANDLING

PERISTALTIC PUMP/SYRINGE PUMP/GEAR PUMP/LOBE PUMP/TUBING

01 PERISTALTIC PUMP

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LAB/PILOT:TE100MH/TE300MH/TE600MH

LAB/PILOT:CM1000/CM3000/CM6000

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TE-BW100

STEPPER MICROFLUIDIC PERISTALTIC PUMP

Micro-flow liquid transmission in laboratories, chromatography analysis, COD water treatment, medical sampling, etc. Cell Culture Fluid Filtration.

Max speed:100rpm

Max flow:28mL/min

■ Features

Exquisite and practical: Small and beautiful appearance, compact structure, high control precision, suitable for laboratory applications.

Minimalist operation: Membrane keys, LED display, simple operation, low vibration, low noise, stable and reliable operation.

A variety of operations: Communication mode, analog mode, support RS485-Modbus RTU communication protocol.

Full-speed function: One-button control full-speed operation for fast cleaning, filling, emptying.

Multi-roller design: Smoother fluid flow.

Tube	Max speed	Roller	Max flow
1*1	100rpm	3	5ml/min
		4	4ml/min
		6	3ml/min
2*1	100rpm	3	17ml/min
		4	12ml/min
		6	13ml/min
2.5*1	100rpm	3	28ml/min
		4	24ml/min
		6	17ml/min

*The specific dimensions of the tubes can be found on page 37.

SN103C

DIGITAL SIMPLE PERISTALTIC PUMP

It is used for small and medium flow transmission in hydroponics, laboratory, medical sampling, etc.

Max speed:100rpm

Max flow:290mL/min



■ Features

Clear interface: Simple appearance, key operation, 4-digit LED display speed is more intuitive.

Direction control: The transmission direction is controllable, adapting to more work requirements.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

One-touch full speed: Features a convenient full speed button for quickly filling or emptying the tube.

External control function: Support RS485-Modbus RTU communication protocol, the protocol can also be customized according to user requirements.

Suitable for multiple pump heads: YZ, DG, BZ, TX215 series and other pump heads can be installed.

Drive Model	Pump Head	Tube	Max Speed	Max flow
SN103C	YZ1515x	13# 14# 19# 16# 25# 17#	100rpm	290ml/min
	YZ2515x	15#	100rpm	170ml/min
	DG (Support 1-4 channels)	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	45ml/min
	YZ15S-1	13# 14# 19# 16# 25#	100rpm	116ml/min
	YZ15S-2	13# 14# 19# 16#	100rpm	59ml/min

*The specific dimensions of the tubes can be found on page 37.

TE100M/TE300M/TE600M**DIGITAL SPEED
PERISTALTIC PUMP**

Used in chemical, photovoltaic and other industries, and used in conjunction with filling machines, dispensing machines and other equipment.



Max speed:600rpm

Max flow:2280mL/min

■ Features

Minimalist operation: Low power consumption motor, digital knob is easy to operate, long life.

Adapt to multiple pump heads: Various pump heads such as YZ series, DG series and TX series can be installed.

External control operation: With RS485-Modbus RTU communication protocol, analog control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Flow calibration: Multiple calibrations can be performed to reduce flow rate errors and ensure flow accuracy.

Full speed function: Features a convenient full speed button for quickly filling or emptying the tube.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
TE100M	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
TE300M	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
TE600M	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.

TE100MH/TE300MH/TE600MH

DUAL MODE PUSH BUTTON PERISTALTIC PUMP

It is used in universities and laboratories, water treatment sampling, chromatography liquid supply matching, industrial raw material addition, etc.

Max speed:600rpm

Max flow:2280mL/min



■ Features

Easy to use: Simple appearance, key operation, intuitive interface.

Adapt to multiple pump heads: Various pump heads such as YZ series, DG series and TX series can be installed.

External control operation: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Clear interface: 4-digit LED display flow or speed.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Full speed function: Features a convenient full speed button for quickly filling or emptying the tube.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE100MH	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
TE300MH	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
TE600MH	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.



CM1000/CM3000/CM6000

DIGITAL BUTTON TYPE PERISTALTIC PUMP

Used in photovoltaic, environmental protection, mineral processing, mechanical packaging, solvent extraction and other industries.

Max speed:600rpm

Max flow:2280mL/min

■ Features

Easy to operate: Simple appearance, key operation, 4-digit LED display flow or speed more intuitive.

Adapt to multiple pump heads: Various pump heads such as YZ series, DG series and TX series can be installed.

External control operation: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Liquid volume calibration: The flow correction is carried out according to the target value and the actual value, ensure transmission accuracy.

Full speed function: Features a convenient full speed button for quickly filling or emptying the tube.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
CM1000	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
CM3000	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
CM6000	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.

WT600

DC BRUSHLESS PERISTALTIC PUMP

It is used for conveying mechanical grinding and polishing liquid, electronic electroplating addition, chemical liquid, glue, anti-static liquid, etc.

Max speed:600rpm

Max flow:6000mL/min



■ Features

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

One key full speed: Features a convenient full speed button for quickly filling or emptying the tube.

Easy to operate: Digital knob, 4-digit LED digital display, easy to operate, clear and intuitive.

External control function: Support RS485-Modbus RTU communication protocol, the protocol can also be customized according to customer needs.

Strong motor: Bidirectional large twist cabinet, brushless DC motor, can cascade multiple pump heads.

Adapt to multiple pump heads: Various pump heads such as YZ series, TX series and KZ series can be installed.

Drive Model	Pump Head	Tube	Max Speed	Max flow
WT600	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min
	YZ25ma	15# 24# 35# 36#	600rpm	3000ml/min
	KZ25	15# 24# 35# 36#	600rpm	6000ml/min

*The specific dimensions of the tubes can be found on page 37.



ZG600

DC INDUSTRIAL PERISTALTIC PUMP

Used in food filling, mechanical grinding and polishing liquid, chemical liquid transportation, Large flow transmission such as water treatment.

Max speed: 600rpm

Max flow: 12000mL/min

■ Features

Powerful: High-power DC motor drive, strong load capacity.

Strong and sturdy: The body shell is made of stainless steel, which is sturdy and durable.

High traffic transmission: Equipped with large flow YZ35, YZ35-13L pump head, the maximum transmission capacity is 12L/min.

Can be cascaded: Two-way high torque, can cascade multiple pump heads.

Drive Model	Pump Head	Tube	Max Speed	Max flow
ZG600	YZ35	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min
	YZ35-13L	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

BG600-S

INDUSTRIAL TRANSFER PERISTALTIC PUMP

Used in admixture conveyors, tubular centrifuges and other equipment supporting the use.



Max speed:600rpm

Max flow:12000mL/min

■ Features

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

One key full speed: For quick cleaning, filling, emptying of tubes.

Flow calibration: After setting the target flow, input the actual flow value, and the system will automatically perform flow correction.

Suction function: Pump can be customized to reverse operation after shutdown to prevent liquid dripping.

External control function: Support RS485-Modbus RTU communication protocol, the protocol can also be customized according to customer needs.

Can be cascaded: Bidirectional high torque, low power consumption motor, can cascade.

Drive Model	Pump Head	Tube	MaxSpeed	Maxflow
BG600-S	YZ35	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min
	YZ35-13L	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

LG350M

LARGE FLOW INDUSTRIAL PERISTALTIC PUMP

Used in food filling, mechanical grinding and polishing liquid, chemical liquid transportation, Large flow transmission such as water treatment.



Max speed:350rpm

Max flow:33000mL/min

■ Features

Powerful: High-power servo motor, strong load capacity.

Strong and sturdy: The body shell is made of stainless steel, which is sturdy and durable.

High traffic transmission: Equipped with large flow KZ50 pump head, the maximum transmission capacity is 33L/min.

External control function: Support RS485-Modbus RTU communication protocol, the protocol can also be customized according to customer needs.

Drive Model	Pump Head	Tube	Max Speed	Max flow
LG350M	KZ50	92#	350rpm	33000ml/min

*The specific dimensions of the tubes can be found on page 37.

TE100LC/TE300LC/TE600LC

INTELLIGENT FLOW TYPE PERISTALTIC PUMP

Used in laboratories, biopharmaceuticals, printing, mineral processing and other fields.

Max speed:600rpm

Max flow:2280mL/min



■ Features

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Adapt to multiple pump heads: YZ, DG, TX series pump heads can be installed, and pump heads can be cascaded.

Multiple modes: Transmission mode, timing mode, quantitative mode, timing quantitative mode.

Data storage: 8 sets of data can be stored for users.

Flow calibration: With flow calibration function, it is suitable for transferring liquids with higher precision.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE100LC	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
TE300LC	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
TE600LC	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.



TE600LC-S

MEDIUM FLOW INTELLIGENT FLOW PERISTALTIC PUMP

Used in laboratories, biopharmaceuticals, printing, mineral processing and other fields

Max speed:600rpm

Max flow:6000mL/min

■ Features

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Adapt to multiple pump heads: Can be installed YZ series, LP series, KZ series and other pump heads, the pump heads can be cascaded.

Multiple working modes: Transmission mode, timing mode, quantitative mode, timing quantitative mode.

Data storage: 8 sets of data can be stored for users.

Flow calibration: With flow calibration function, it is suitable for transferring liquids with higher precision.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE600LC-S	YZ15mt/YZ15mat	13# 14# 19# 16# 25#	600rpm	1020ml/min
	YZ25m/YZ15ma	15# 24# 35# 36#	600rpm	3000ml/min
	LP15-6	13# 14# 19# 16# 25# 17# 18#	600rpm	4560ml/min
	LP25-6	2.4*2.4/3.2*2.4/15#/24#/35#/36#	600rpm	4000ml/min
	LP25-6-H	2.4*2.4/3.2*2.4/15#/24#/35#/36#	600rpm	4500ml/min
	YZ25L	15# 24# 35# 36#	600rpm	6000ml/min
	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	KZ25L	15# 24# 35# 36#	600rpm	6000ml/min

*The specific dimensions of the tubes can be found on page 37.

CT1000/CT3000/CT6000**LAB INTELLIGENT FLOW
PERISTALTIC PUMP**

Used in laboratory, biological analysis,
medical treatment, environmental protection
And other fields.

Max speed:600rpm

Max flow:2280mL/min

**■ Features**

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Adapt to multiple pump heads: YZ, DG, TX series pump heads can be installed, and pump heads can be cascaded.

Multiple working modes: Transmission mode, timing mode, quantitative mode, timing quantitative mode.

Data storage: 8 sets of data can be stored for users.

Flow calibration: With flow calibration function, it is suitable for transferring liquids with higher precision.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
CT1000	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
CT3000	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
CT6000	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.



SG600LC

INTELLIGENT HIGH-FLOW PERISTALTIC PUMP

Used in mining, metallurgy, environmental engineering, chemical industry water treatment and other fields.

Max speed: 600rpm

Max flow: 12000mL/min

■ Features

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Liquid volume calibration: After setting the target flow, input the actual flow, and the system will automatically calibrate.

Suction function: The speed angle of reverse operation can be customized to prevent liquid dripping.

Multiple working modes: Transmission mode, timing mode, quantitative mode, timing quantitative mode.

Data storage: 8 sets of data can be stored for users.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	Max Speed	Max flow
SG600LC	YZ35	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min
	YZ35-13L	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

TE-LG350LC

LARGE FLOW SMART TRANSFER PERISTALTIC PUMP

Used in food industry, fluidized bed liquid supply, liquid medicine filtration, photovoltaic, Chemical and other fields.

Max speed:350rpm

Max flow:33000mL/min



■ Features

Multiple modes: With timing, quantitative, timing quantitative, transmission four working modes.

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Very large flow: Compatible with KZ50 pump head, the maximum transmission flow can reach 33L/min.

Data storage: 8 sets of data can be stored for users.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE-LG350LC	KZ50	92#	350rpm	33000ml/min

*The specific dimensions of the tubes can be found on page 37.



OI102RH/OI302RH/OI602RH

MEDIUM FLOW INTELLIGENT HIGH PROTECTION PERISTALTIC PUMP

It is widely used in biopharmaceuticals, chemical production, new energy and other fields.

Max speed:600rpm

Max flow:4560mL/min

■ Features

Multiple modes: It has two working modes: filling and transmission.

304 stainless steel: The shell is made of 304 stainless steel, which is solid, durable and corrosion-resistant.

IP65 high protection: Protection level reaches IP65, suitable for humid and dusty working environment.

Filling function: When the specific value of the current required filling volume is unknown, filling can be performed. When the required filling volume is met, the data is saved. Each time the pump is started, the current liquid volume value is used for filling.

Drive Model	Pump Head	Tube	Max Speed	Max flow
OI102RH OI302RH OI602RH	YZ1515x/YZ15m	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min
	YZ25m	15# 24# 35# 36#	600rpm	3000ml/min
	TX315	13# 14# 19# 16# 25# 17# 18#	600rpm	1920ml/min
	LP15-6	13# 14# 19# 16# 25# 17# 18#	600rpm	4560ml/min
	ZN15	14# 16# 25# 17#	600rpm	1740ml/min
	ZN25	24#	600rpm	1740ml/min
	DG(10)	0.5*0.8/2.4*0.8/1*1/2*1/3*1	600rpm	27ml/min
	DG(6)	0.5*0.8/2.4*0.8/1*1/2*1/3*1	600rpm	36ml/min

*For details on the number of DG channels, please consult customer service.

XT111CH

BATCH TRANSMISSION TYPE HIGH PROTECTION PERISTALTIC PUMP

Applied to relatively harsh industrial production environments such as dust and humidity.

Max speed:265rpm

Max flow:18L/min



■ Features

Die cast aluminum (surface sprayed) shell, dustproof, moisture-proof, corrosion-resistant. IP66 high protection level, suitable for complex and harsh industrial production environments. 5-inch touch screen, clear viewing angle, simple and intuitive operation.

Support Profibus-DP to achieve factory automation control.

Equipped with lid opening shutdown and drive fault alarm sensing technology to prevent faults in the process.

The system is equipped with three-level user access permissions to prevent unauthorized access and operations, improve security efficiency, and comply with GMP requirements.

Pump head	Tube model	Tube material	Tube specifications	Max speed	Max flow	Max outlet pressure
GY3512R	26#	Silicone	6.4x3.2 mm	265rpm	3.2L/min	0.2MPa
	73#	Silicone	9.6x3.2 mm	265rpm	6.8L/min	0.2MPa
	82#	Silicone	12.7x3.2 mm	265rpm	10.6L/min	0.2MPa
	184#	Silicone	15.9x3.2 mm	265rpm	16.6L/min	0.2MPa

* Continuous hose, GY3512R (2 rollers)

Pump head	Tube model	Tube material	Tube specifications	Max speed	Max flow	Max outlet pressure
GY4012RE	186#	Silicone	12×4 mm	265rpm	9L/min	0.2MPa
	188#	Silicone	17×4 mm	265rpm	16L/min	0.2MPa
		Marprene™	17×4 mm	265rpm	18L/min	0.4MPa

*Tube assembly, GY4012RE (2 rollers)

Pump head	Tube model	Tube material	Tube specifications	Max speed	Max flow	Max outlet pressure
GY4014RE	186#	Silicone	12×4 mm	265rpm	8.7L/min	0.2MPa
	188#	Silicone	17×4 mm	265rpm	11L/min	0.2MPa
		Marprene™	17×4 mm	265rpm	11L/min	0.4MPa

* Tube assembly, GY4014RE (4 rollers)



FB600

EXPLOSION-PROOF MOTORS PERISTALTIC PUMP

Can be used in chemical industry, food industry, medical industry, etc.

Max speed:650rpm

Max flow:33000mL/min

■ Features

Motor explosion: Driven by explosion -proof motor, explosion -proof level is ExdIIBT4.

Structural customization: Can be installed with a protective shell.

Self -absorbing characteristics: The pump has a self -absorbing characteristic when running, and the maximum suction can reach 9 meters (the measurement medium is water).

Motor protection: Motor protection level IP55, suitable for complex working environment.

Adapt to multiple pump heads: Various pump heads such as YZ series, TX series and KZ series can be installed.

Drive Model	Pump Head	Tube	Max Speed	Max flow
FB600	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	TX315	13# 14# 19# 16# 25# 17# 18#	400rpm	1930ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min
	TX325	15# 24#	400rpm	1230ml/min
	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	YZ35	73# 82#	600rpm	12000ml/min
	YZ35-13L	73# 82#	600rpm	12000ml/min
	KZ50	92#	350rpm	33000ml/min

*The specific dimensions of the tubes can be found on page 37.

QT600/QG600

PNEUMATIC EXPLOSION-PROOF PUMP

Fluid handling and chemical transfer in conventional flammable and explosive environments.

Max speed:600rpm

Max flow:12000mL/min



■ Features

A high-flow pump head can be installed to provide a transmission volume of 12L/min (single channel).

Manually adjust the speed and use a pneumatic throttle valve to adjust.

Suitable for various environments, especially suitable for production workshops with Explosion-proof requirements.

Support pump heads in series.

Drive Model	Pump Head	Tube	Max Speed	Max flow
QT600	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	TX315	13# 14# 19# 16# 25# 17# 18#	400rpm	1930ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min
	TX325	15# 24#	400rpm	1230ml/min
	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	LP25-6	2.4*2.4/3.2*2.4/15#/24#/35#/36#	350rpm	4000ml/min
QG600	YZ35	73# 82#	600rpm	12000ml/min
	YZ35-13L	73# 82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.



WFB100/300/600

DC BRUSHLESS EXPLOSION-PROOF MOTOR PERISTALTIC PUMP

Can be used for chemical industry, medical care and other industries.

Max speed: 600rpm

Max flow: 12000mL/min

■ Features

Motor explosion: Explosion-proof level is EXDII-B-T4 GB.

Electric protection: The protection level is IP55.

Potentiometer speed regulation: The speed regulation is simpler and faster, and the speed regulation range is wider.

Desktop structure: The structure is more compact, easy to operate and use.

Wide range of flow rates: Can be installed with a variety of pump heads, adaptable to a variety of tubes.

External control can be customized: External control start-stop or input analog signal 0-5V, 0-10V, 4-20mA, output analog signal 0-5V, 0-10V, 4-20mA, alarm output function.

Drive Model	Pump Head	Tube	Max Speed	Max flow
WFB100	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	TX315	13# 14# 19# 16# 25# 17# 18#	400rpm	1930ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min
WFB300	TX325	15# 24#	400rpm	1230ml/min
WFB600	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	YZ35	73# 82#	600rpm	12000ml/min
	YZ35-13L	73# 82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

TE100FJ/TE300FJ/TE600FJ

DIGITAL DISPENSING PERISTALTIC PUMP

It is used in the addition of water reducing agent, grinding liquid, food packaging, pharmaceutical packaging, etc.

Max speed:600rpm

Max flow:2280mL/min



■ Features

Multiple modes: Provide dispensing and transfer modes, easy to use.

Suction function: In dispensing mode, the pump can be customized to reverse after shutdown to prevent liquid dripping.

External control function: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Full-speed function: Press the knob for full-speed operation for quickly emptying or filling.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
TE100FJ	DG- 6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG- 10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
TE300FJ	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
TE600FJ	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.



TE600FJ-S

DIGITAL DISPENSING PERISTALTIC PUMP

It is used in the addition of water reducing agent, grinding liquid, food packaging, pharmaceutical packaging, etc.

Max speed:600rpm

Max flow:6000mL/min

■ Features

Multiple modes: Provide dispensing and transfer modes, easy to use.

Suction function: In dispensing mode, the pump can be customized to reverse after shutdown to prevent liquid dripping.

External control function: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Full-speed function: Press the knob for full-speed operation for quickly emptying or filling pump tubing.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE600FJ-S	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	LP25-6	2.4*2.4/3.2*2.4/15#/24#/35#/36#	350rpm	4000ml/min

*The specific dimensions of the tubes can be found on page 37.

BG600FJ-S

INDUSTRIAL DISPENSING PERISTALTIC PUMPS

Used in industrial fermentation, water reducing agent, admixture and other fluid transportation, Applicable to large-flow dispensing environment 12000mL/min.

Max speed:600rpm

Max flow:12000mL/min



■ Features

Multiple modes: Provide dispensing and transfer modes, easy to use.

Servo motor: Driven by servo motor, powerful and more accurate control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Flow calibration: After setting the target flow, input the actual flow value, and the system will automatically perform flow correction.

Can be cascaded: YZ35, YZ35-13L and other pump heads can be installed, and multiple pump heads can be cascaded.

External control function: Support RS485/MODBUS communication protocol, the protocol can also be customized according to customer needs.

Drive Model	Pump Head	Tube	Max Speed	Max flow
BG600FJ-S	YZ35	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min
	YZ35-13L	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

LG350FJ

DIGITAL BATCH DISPENSE PERISTALTIC PUMP

It is used in industrial fermentation, fluid transportation such as superplasticizers and admixtures, and is suitable for large-flow sub-packaging environments.



Max speed:350rpm

Max flow:33000mL/min

■ Features

Multiple modes: Provide dispensing and transfer modes, easy to use.

Suction function: Quickly cleans, fills and drains tubes.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Flow calibration: After setting the target flow, input the actual flow value, and the system will automatically perform flow correction.

Can be cascaded: KZ50 pump head can be installed, up to two, the maximum transmission is 33L/min per head.

External control function: Support RS485-Modbus RTU communication protocol, the protocol can also be customized according to customer needs.

Drive Model	Pump Head	Tube	Max Speed	Max flow
LG350FJ	KZ50	92#	350rpm	33000ml/min

*The specific dimensions of the tubes can be found on page 37.

TE100FC/TE300FC/TE600FC

SMART DISPENSING PERISTALTIC PUMP

It is mostly used in testing reagents, oral liquids, veterinary drugs and other pharmaceutical filling, or in chemical, food and other fields.

Max speed:600rpm

Max flow:2280mL/min



■ Features

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Adapt to multiple pump heads: YZ, DG, TX series pump heads can be installed, and pump heads can be cascaded.

Multiple modes: Two working modes transmission and dispensing. Automatic filling is possible.

Data storage: 8 sets of data can be stored for users.

Flow calibration: With flow calibration function, it is suitable for transferring liquids with higher precision.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
TE100FC	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
TE300FC	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
TE600FC	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.



TE600FC-S

MEDIUM FLOW INTELLIGENT FLOW PERISTALTIC PUMP

It is mostly used in testing reagents, oral liquids, veterinary drugs and other pharmaceutical filling, or in chemical, food and other fields

Max speed: 600rpm

Max flow: 6000mL/min

■ Features

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Adapt to multiple pump heads: Can be installed YZ series, LP series, KZ series and other pump heads, the pump heads can be cascaded.

Multiple modes: Two working modes transmission and dispensing. Automatic filling is possible.

Data storage: 8 sets of data can be stored for users.

Flow calibration: With flow calibration function, it is suitable for transferring liquids with higher precision.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE600FC-S	YZ15mt/YZ15mat	13# 14# 19# 16# 25#	600rpm	1020ml/min
	YZ25m/YZ15ma	15# 24# 35# 36#	600rpm	3000ml/min
	LP15-6	13# 14# 19# 16# 25# 17# 18#	600rpm	4560ml/min
	LP25-6	2.4*2.4/3.2*2.4/15#/24#/35#/36#	600rpm	4000ml/min
	LP25-6-H	2.4*2.4/3.2*2.4/15#/24#/35#/36#	600rpm	4500ml/min
	YZ25L	15# 24# 35# 36#	600rpm	6000ml/min
	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	KZ25L	15# 24# 35# 36#	600rpm	6000ml/min

*The specific dimensions of the tubes can be found on page 37.

TE100CF/TE300CF/TE600CF

LAB INTELLIGENT DISPENSING PERISTALTIC PUMP

It is used in the packaging of testing reagents, medicines and other fluids, food, medical, laboratory and other fields.

Max speed:600rpm

Max flow:2280mL/min



■ Features

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Adapt to multiple pump heads: YZ, DG, TX series pump heads can be installed, and pump heads can be cascaded.

Multiple working modes: It has two working modes of transmission and distribution, and can perform repeated timing and quantitative filling.

Data storage: 8 sets of data can be stored for users.

Suction function: The speed angle of reverse operation can be customized to prevent stop liquid dripping.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
TE100CF	DG-6 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	36ml/min
	DG-10 rollers	0.5*0.8 1*1 2*1 2.4*0.8 3*1	100rpm	27ml/min
TE300CF	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
TE600CF	YZ15ma	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min

*The specific dimensions of the tubes can be found on page 37.



TE-SG600FC

INDUSTRIAL INTELLIGENT DISPENSING PERISTALTIC PUMP

It is used in large-flow sub-packaging in pharmaceutical factories, chemicals, food, chemical environmental protection, etc.

Max speed:600rpm

Max flow:12000mL/min

■ Features

Multiple modes: It has two working modes of transmission and dispensing, and can perform repeated timing and quantitative filling.

Suction function: The speed angle of reverse operation can be customized to prevent liquid dripping.

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Data storage: 8 sets of data can be stored for users.

Adapt to multiple pump heads: YZ35, YZ35-13L pump heads can be installed, and the pump heads can be cascaded.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	MaxSpeed	Max flow
TE-SG600FC	YZ35	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min
	YZ35-13L	73#	600rpm	7400ml/min
		82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

TE-LG350FC

BATCH DISPENSE PERISTALTIC PUMP

Used in food industry, fluidized bed liquid supply, liquid medicine filtration, photovoltaic, Chemical and other fields.

Max speed:350rpm

Max flow:33000mL/min



■ Features

Multiple modes: It has two working modes of transmission and dispensing, and can perform repeated timing and quantitative filling.

LCD touch: 3.5-inch color LCD, Chinese and English display, touch screen control.

Power failure memory function: The control parameters can be automatically saved when the last power failure occurs.

Very large flow: Compatible with KZ50 pump head, the maximum transmission flow can reach 33L/min.

Data storage: 8 sets of data can be stored for users.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Drive Model	Pump Head	Tube	Max Speed	Max flow
TE-LG350FC	KZ50	92#	350rpm	33000ml/min

*The specific dimensions of the tubes can be found on page 37.

UTF01/UTF02/UTF03/UTF04

UTF01



UTF02



UTF03/UTF04

**SMART FILLING SYSTEM**

It can handle the transmission and production filling of various liquids, and is mainly used in food, beverage, pharmaceutical, chemical, biopharmaceutical and other industries.

Max speed:600rpm

Max flow:12000mL/min

■ Features

1 motor can work with 1 or 2 heads.

With wide flow range 0.002-12000 ml/min per head.

Support remote control such as No bottle No filling function which can work with sensor.

2 control programs can be choosed. one is for same bottle filling volume ,another is for different bottle filling.

Drive Model	Pump Head	Tube	Max Speed	Max flow
UTF01	YZ1515x	13# 14# 19# 16# 25# 17# 18#	600rpm	2280ml/min
	TX315	13# 14# 19# 16# 25# 17# 18#	400rpm	1930ml/min
	YZ2515x	15# 24#	600rpm	1740ml/min
	TX325	15# 24#	400rpm	1230ml/min
UTF02	KZ25	15# 24# 35# 36#	600rpm	6000ml/min
	LP25-6	2.4*2.4/3.2*2.4/15#/24#/35#/36#	350rpm	4000ml/min
UTF03	YZ35	73# 82#	600rpm	12000ml/min
UTF04	YZ35-13L	73# 82#	600rpm	12000ml/min

*The specific dimensions of the tubes can be found on page 37.

YZ Series

High temperature and corrosion resistance



(PESU)

Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ1515x	PPS/PESU	Stainless steel	13# 14# 19# 16# 25# 17# 18#	2280



(PPS)

Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ2515x	PPS/PESU	Stainless steel	15# 24#	1740



(PPS)

Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ15m	PPS-BLACK/WHITE	Stainless steel	13# 14# 19# 16# 25# 17# 18#	2280
YZ25m			15# 24# 35# 36#	3000



Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ15ma	PPS-BLACK/WHITE	Stainless steel	13# 14# 19# 16# 25# 17# 18#	2280
YZ25ma			15# 24# 35# 36#	3000



Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ25L	PPS	Stainless steel	15# 24# 35# 36#	6000



Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ35-13L	PPS	Stainless steel	73# 82#	12000



Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
YZ35 (Aluminum)	Aluminum alloy	Stainless steel	73# 82#	12000



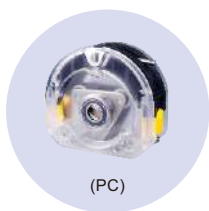
Model	Channels	Rollers	Tube	Max speed (rpm)	Max flow (ml/min)
YZ15S-1	1	3	13# 14# 19# 16# 25#	300	380
YZ15S-2	2		13# 14# 19# 16#		185/channels

TX Series**Easy to load and unload**

Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
TX215	Special engineering plastics	Special engineering plastics	13# 14# 19# 16# 25#	290



Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
TX315	Special engineering plastics	Special engineering plastics	13# 14# 19# 16# 25# 17# 18#	1930
TX325	Special engineering plastics	Special engineering plastics	15# 24#	1230

KZ Series**Stable structure and easy maintenance**

Model	Housing material	Material of the roller	Tube	Max flow (ml/min)
KZ25	PC+PPS ABS+PPS PPS	Stainless steel	15# 24# 35# 36#	6000

OEM Series

Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM100	YZ35-13L	AC Gear motor	73# 82#	8000	400
OEM200		DC Gear motor		12000	600
UCP300		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM101	YZ1515x	AC Gear motor	13# 14# 19# 16# 25# 17# 18#	1520	400
OEM201		DC Gear motor		2280	600
UCP301		Stepper motor			



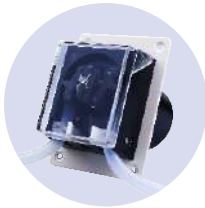
Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM102	YZ2515x	AC Gear motor	15# 24#	1160	400
OEM202		DC Gear motor		1740	600
UCP302		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM103	TX315	AC Gear motor	13# 14# 19#16# 25# 17# 18#	1930	400
OEM203		DC Gear motor			
UCP303		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM204	ZN25	DC Gear motor	14# 16# 25# 24#	1740	600
UCP304		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM105	TH15	AC Gear motor	13# 14# 19#16# 25# 17# 18#	330	100
OEM205		DC Gear motor			
UCP305		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM108	KZ25	AC Gear motor	15# 24# 35# 36#	4000	400
OEM208		DC Gear motor		6000	600
UCP308		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM115	YZ15S	AC synchronous motor	13# 14# 19# 16# 25#	126	100
OEM215		DC Gear motor		380	300
UCP315		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM217	TX215	DC Gear motor	13# 14# 19# 16# 25#	290	300
UCP317		Stepper motor			



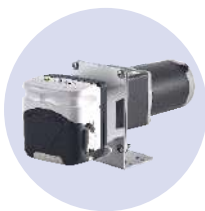
Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM118	YZ35	AC Gear motor	73# 82#	8000	400
OEM218		DC Gear motor		12000	600
UCP318		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM119	YZ15ma	AC Gear motor	13# 14# 19# 16# 25# 17# 18#	1520	400
OEM219		DC Gear motor		2280	600
UCP319		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM120	YZ25ma	AC Gear motor	15# 24# 35# 36#	2000	400
OEM220		DC Gear motor		3000	600
UCP320		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM123	TX325	AC Gear motor	15# 24#	1230	400
OEM223		DC Gear motor			
UCP323		Stepper motor			

WP Series

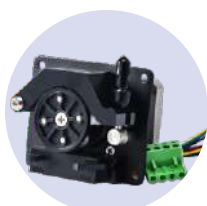
Stable structure and easy maintenance



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM207	WP100	DC Gear motor	1*1 2*1	30	100
UCP307		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM209	WP110 (3 roller standard)	DC Gear motor	1*1 2*1 2.5*1	28.25	100
UCP309		Stepper motor		28.25	



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM213	WP120-10	DC Gear motor	1*1 2*1 3*1 2.4*0.8	53	150
UCP313		Stepper motor			
OEM213	WP120-15	DC Gear motor	13# 14# 19# 16# 25#	115	
UCP313		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM114	WP200	Imported AC synchronous motor	14# 19# 16# 15#	1.4/7/14	10
ACM114		Domestic AC synchronous motor		7/14	10
OEM214		DC Gear motor		14/42/112/245	175
UCP314		Stepper motor		420	300



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM224	WP210	DC Gear motor	19# 16# 25#	200	300
UCP324		Stepper motor		200	



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM106	WP300	AC Gear motor	13# 14# 19# 16# 25# 17#	330	100
OEM206		DC Gear motor		870	300
UCP306		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
ACM116	WP310	AC synchronous motor	13# 14# 19# 16# 25# 17# 18#	330	100
OEM216		DC Gear motor		1100	300
UCP316		Stepper motor			



Model	Pump head	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
OEM210-1	WP500	DC 12V Gear motor	73#	5000	300
OEM210-2		DC 24V Gear motor		3400	265



Model	Pump head	Motor	Tube	Gear	Max flow (ml/min)	Max speed (rpm)
SC600-1	YZ1515x	Battery only	13# 14# 19# 16# 25# 17# 18#	First gear	1861	400
				Second gear	3900	1500
	YZ2515x		15# 24#	First gear	2047	400
				Second gear	3500	1500



Model	Pump head	Motor	Tube	Max flow (ml/min)	Channel
DISP3000-1	WP300	Battery only	17#	100	1(standard)
DISP3000-2		Main power only		100	1(standard)
DISP3000-3		Battery & Main power		100	1(standard)



Model	Motor	Tube	Max flow (ml/min)	Max speed (rpm)
Disp3100	DC Gear motor	15#	120	75

Tube Peristaltic pump tubing

Silicone tube



Norprene A-60-F



Norprene Chemical



PharMed



Tygon 2375



Tygon F-4040-A



Viton F-5500-A



Warm tip:
Before purchasing,
please refer to the
specific characteristics
of the tube to suit your
fluid needs.

There are many kinds of tubes, which can be customized, including silicone tube, Norprene A-60-F, Norprene Chemical, PharMed, Tygon 2375, Tygon F-4040-A, Viton F-5500-A, etc. For details, please contact: sales@te-lab-equipment.com.tw

Accessories

Flat type filling needle



Closing type filling needle



Check valve



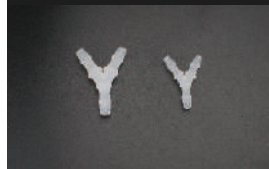
Straight connector



Countersunk



Tee connector



T-connector



Foot switch



Filling stand



Filling stand



External control line



Power cable



Tube Size 1:1 Comparison Chart

Tube		0.5x0.8	1x1	2x1	3x1	2.4x0.8	3.2x0.8	
Tube section								
Wall thickness (mm)		0.8	1	1	1	0.8	0.8	
Inside diameter (mm)		0.5	1	2	3	2.4	3.2	
Pressure (Mpa)	Continuous	0.1						
	Interval	0.1						
Tube		13#	14#	19#	16#	25#	17#	18#
Tube section								
Wall thickness (mm)		1.6						
Inside diameter (mm)		0.8	1.6	2.4	3.1	4.8	6.4	7.9
Pressure (Mpa)	Continuous	0.17				0.14	0.1	0.07
	Interval	0.27				0.24	0.14	0.1
Tube		15#	24#	35#	36#			
Tube section								
Wall thickness (mm)		2.4						
Inside diameter (mm)		4.8	6.4	7.9	9.6			
Pressure (Mpa)	Continuous	0.17		0.14				
	Interval	0.27		0.24				
Tube		73#	82#					
Tube section								
Wall thickness (mm)		3.3						
Inside diameter (mm)		9.6	12.7					
Pressure (Mpa)	Continuous	0.17		0.1				
	Interval	0.27		0.1				
Tube		86#	90#					
Tube section								
Wall thickness (mm)		6.3						
Inside diameter (mm)		9.5	19					
Pressure (Mpa)	Continuous	0.14						
	Interval	0.14						
Tube		88#	92#					
Tube section								
Wall thickness (mm)		4.8						
Inside diameter (mm)		12.7	25.4					
Pressure (Mpa)	Continuous	0.14						
	Interval	0.14						

IZS30-1A/IZS60-1A

INDUSTRIAL SYRINGE PUMP

Bacterial culture, sampling detection, biological analysis, microfluidic chip automatic slide chromosome analysis, DNA sequencing and other high-precision, complex and multi-instruction fluid processing.

Syringe: 50 μ l-5ml / 50 μ l-25ml



IZS30-1A

IZS60-1A

Features

Driven by stepper motor, ground ball screw drive piston to ensure continuous and stable high-precision transmission.

Multiple model injectors are optional, with a wide range of linear speeds and diverse applications.

Flexible control, support RS232, RS485 communication control; can be used with a single pump, can be used in cascade (≤ 15 units).

Drive Model		IZS30-1A	IZS60-1A
Injector	Rated stroke	30mm	60mm
	Injector model	50 μ l, 100 μ l, 250 μ l, 500 μ l, 1ml, 2.5ml, 5ml	50 μ l, 100 μ l, 250 μ l, 500 μ l, 1ml, 2.5ml, 5ml, 10ml, 25ml
	Linear speed range	50 μ m/sec-5mm/sec	50 μ m/sec-50mm/sec
	Control resolution	1 step or 0.01mm	
	Stroke control accuracy	When $\geq 30\%$ stroke, the error is $\leq 5\%$	
Applicable valve	Valve type	3 Port 120° Valves	
	Transposition time	Transposition time between adjacent two ports ≤ 250 ms	
	Valve drive	Stepper motor drive, photoelectric encoder feedback position, out-of-step monitoring	
	Valve interface	Tubing fitting: 1/4-28 thread fitting; Injector fitting: 1/4-28 thread fitting	
External control interface	Communication Interface	RS485/RS232	
	Communication rate	9600 baud rate/38400 baud rate optional	
	External input interface	2 external TTL inputs with isolation; used to control start-stop after pause	
	External output interface	3 external TTL outputs with isolation	



TE100SP

LABORATORY SYRINGE PUMP

Applied to instrument sample liquid transmission, titration solution mixing, high voltage electrostatic Precise control of fluids for spinning, biological laboratory research, etc.

Max flow: 82.6130ml/min

Syringe Pump Model	TE100SP-1/TE100SP-2	TE100SP-4	TE100SP-10
Channels	1/2 can be customized	4	10(6/8 can be customized)
Flow range	0.001μL/min-82.6130mL/min	0.001μL/min-20.8223mL/min	0.001μL/min-20.8223mL/min
Applicable syringe type	10μL-60mL	10μL-10mL	10μL-10mL
Syringe User Settings	Can save 10 sets of custom syringe data, ID, solvent (customized)		
Distance per microstep	0.0235736μm		
Maximum line speed	120mm/min		
Minimum line speed	6.1μm/min		
Operating mode	Injection, extraction, injection extraction, extraction injection		
Linear thrust	0-100% adjustable		
Maximum pace	85333 (1/128step) 30sec		
Minimum pace	256 (1/128step) 30sec		
Control precision	When >30% of full stroke, control error ≤±0.3%		
How to set	Touch screen + common function keys		
Display method	4.3-inch color LCD display		
Voltage range	AC100V-240V		
Ambient temperature	0-40°C		
Weight	4kg		
Size	260x204x143	260x210x160	260x210x160

GP3000FC

SMART MICRO GEAR PUMP

Mostly used for laboratory precision fluid transfer, high outlet pressure.

Max speed:3000rpm

Max flow:2700mL/min



Features

Touch screen operation: 3.5-inch LCD display in Chinese and English, intelligent operation.

Data storage: 8 sets of filling data can be stored for users.

Full speed function: Full speed at the touch of a button for fast cleaning, filling and emptying of tubes.

Flow calibration: Multiple calibrations can be performed to reduce flow rate errors and ensure flow accuracy.

Multiple modes: It has two working modes of transmission and dispensing, and can perform repeated timing and quantitative filling.

Support external control: Support RS485-Modbus RTU communication protocol, analog control, foot switch control.

Pump head	Gear material	Max speed (rpm)	Max flow (ml/min)	Liquid temperature (°C)	Transmission pressure (Mpa)
MG204XD0PT00000	PEEK	3000	900	-45~120	≤0.8
	PTFE	3000	900	-45~50	≤0.8
MG209XD0PT00000	PEEK	3000	1800	-45~120	≤0.8
	PTFE	3000	1800	-45~50	≤0.8
MG213XD0PT00000	PEEK	3000	2700	-45~120	≤0.3
	PTFE	3000	2700	-45~50	≤0.3
MS204XD0PT00000	PEEK	3000	900	-45~120	≤1.4
	PTFE	3000	900	-45~50	≤0.8
MS209XD0PT00000	PEEK	3000	1800	-45~120	≤0.9
	PTFE	3000	1800	-45~50	≤0.8
MS213XD0PT00000	PEEK	3000	2700	-45~120	≤0.8
	PTFE	3000	2700	-45~50	≤0.8



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