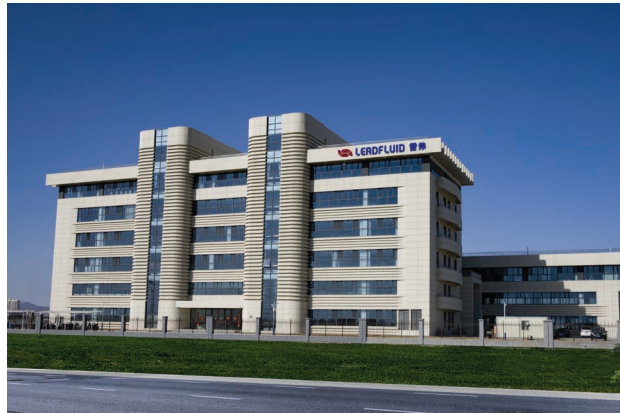




COMPANY PROFILE



Baoding Lead Fluid Technology Co., Ltd. was founded in October 1999. It mainly engaged in R&D, production and the sale of peristaltic pumps, laboratory syringe pumps, micro syringe pumps, precision gear pumps and related accessories, and is committed to continuously providing users with competitive micro fluid transmission solutions and services.

The company's products are widely used in molecular diagnostics, biopharmaceuticals, genetic engineering, scientific instruments, material preparation, environmental monitoring, food and beverages, printing and packaging, etc. The performance and quality have been praised unanimously, and they have a high reputation.

The company registered the "LEAD FLUID" brand, which is the Chinese abbreviation of "LEAD FLUID", which means that we are committed to becoming the pioneer and leader of fluid control technology. The company has always adhered to this concept in its development, vigor-

ously introducing and training high-tech talents, and increasing research and development. We continue to apply new materials, new structures, and new processes to production and research and development, and have obtained dozens of patents including national and international invention patents. The products are sold at home and abroad, serving 100+ countries and regions around the world, 10,000+ clients.

Lead Fluid sincerely hopes to move forward hand in hand with users and friends, bravely climb the peak, and create a better future.



Medical Treatment



Food and Beverage



Chemistry



Pharmaceutical



Laboratory



Water Treatment

Application Areas

- Cell Culture
- Extracorporeal Blood Circulation
- Tissue Perfusion
- Material Preparation
- Chromatographic Filtration
- Fermentation
- Spray Drying
- Thermal Ablation
- Ion Chromatography
- Titrator
- Water Treatment
- Environmental Monitoring
- Fine Chemicals
- Electronics Industry
- Analysis and Testing Equipment
- Teaching Equipment
- Filling Machine Supporting
- Papermaking
- Printing Ink
- Construction
- Ceramic Industry
- Paint and Coating Industry
- Mining and Metallurgical Industries



Certificate of patents

CE Certification

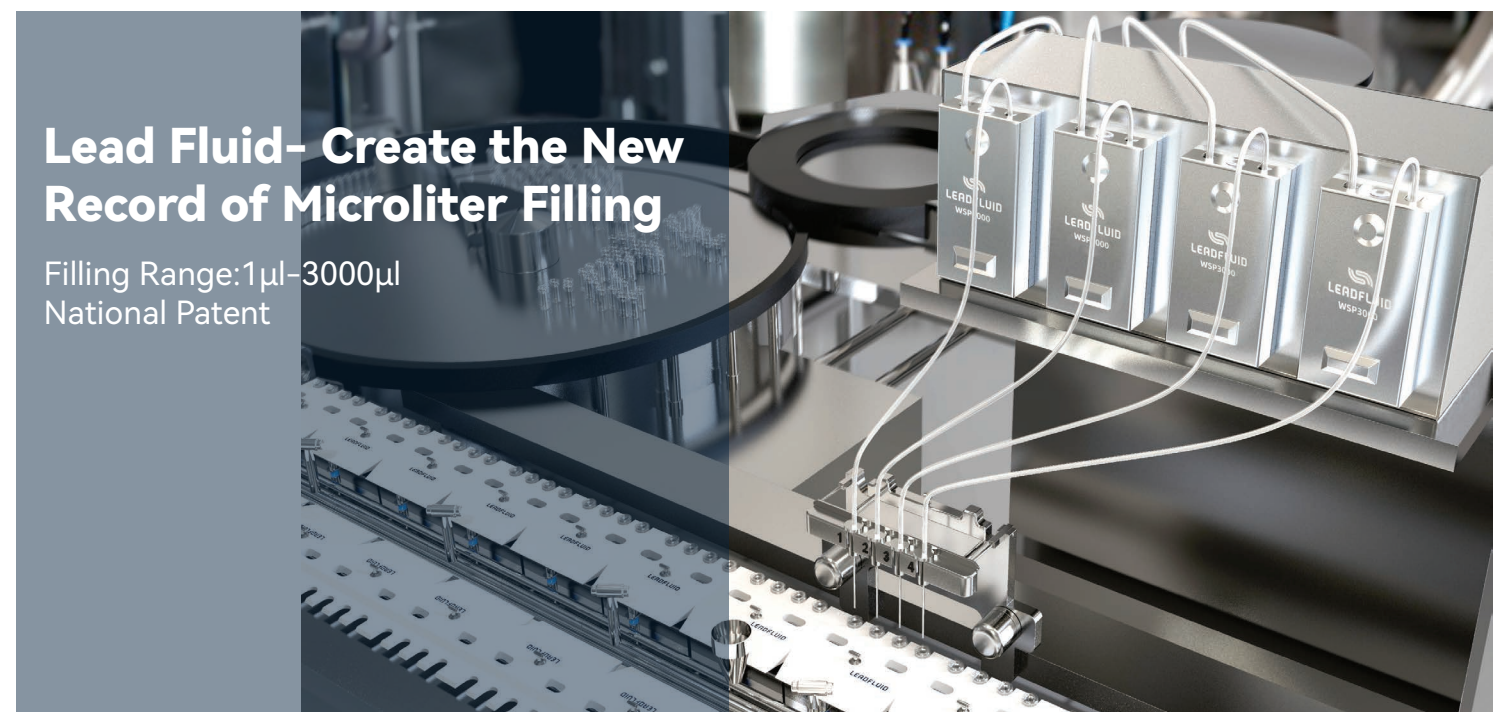
ISO9001 Certification

RoHS Certification



Lead Fluid- Create the New Record of Microliter Filling

Filling Range: 1μl-3000μl
National Patent



BQ80S

Microflow Speed Variable Peristaltic Pump

Features

- Smaller size and simple cooperation.
- Speed variable and time dispensing function.
- Using the cortex m3 core processor, the running speed is fast and the device speed accuracy is high.
- Open multiple control parameters, suitable for ODM custom applications.

Flow Range 0.001 -32ml/min
Channel 1,3



BT103S

Speed Variable Peristaltic Pump

Features

- Smaller size and speed variable, easy to operate.
- Timing function: dispensing time 0.1-999S/Min/H/D, interval time 0.1-999S/Min/H/D.

Flow Range 0.0001-480 ml/min
Channel 1,2,4

Typical application

Animal heart perfusion, chromatography, precision dosing of small reactors, protein purification, water circulation devices, and encapsulation granulation supply.

Pump Head



BT101S/BT301S/BT601S

Speed Vaviable Peristaltic Pump

Features

- High precision speed control.
- Easy time dispensing function, it realizes the repeat timing quantitative dispensing.
- Meet basic transmission requirements with high cost performance.

BT101S Flow Range 0.0001-720 ml/min
BT301S Flow Range 0.006-1690 ml/min
BT601S Flow Range 0.006-2900 ml/min

Typical application

Bacterial/cell culture, animal heart perfusion, synthetic reaction addition and discharge, TFF ultrafiltration, coating particle liquid supply.

Pump Head



BT100S/BT300S/BT600S

Speed Vaviable Peristaltic Pump

Features

- Stainless steel housing, easy to clean, effectively prevent the erosion of various organic solvents.
- High precision speed control, meet basic transmission requirements with wide applicability.

BT100S Flow Range 0.0002-720ml/min
BT300S Flow Range 0.006-1 690ml/min
BT600S Flow Range 0.006-2900ml/min
BT100S-1 Flow Range 0.0001-1500ml/min

Typical application

Synthetic reaction addition and discharge, TFF ultrafiltration, coating particle liquid supply, small and medium-sized flow transmission, filtering.

Pump Head



WT300S/WT600S

Large Torque Speed Variable Peristaltic Pump

Features

- DC brushless motor drive which is large torque, free maintenance, more powerful.
- Multiple KZ25, KZ25-L, GN10 pump heads can be installed.
- Can cascade multiple pump heads.
- The LED indicator displays the reversible direction, internal control, external control, foot switch working mode.

WT300S Flow Range 1.8-3500ml/min
WT600S Flow Range 3-6000ml/min

Typical application

material transfer and diafiltration with TFF/DFF ultrafiltration, small volume transfer of strong acids, strong bases and various organic solvents.

Pump Head





Learn More

BT101L/BT301L/BT601L

Intelligent Flow Peristaltic Pump

Features

- Flow variable with high precision.
- Easy dispensing function, realizes the repeat timing quantitative dispensing.
- ABS plastic housing, creative streamlined appearance, concise and beautiful.

BT101L Flow Range	0.0001-720 ml/min
BT301L Flow Range	0.006-1690 ml/min
BT601L Flow Range	0.006- 2900 ml/min

Typical application

Water treatment sampling, synthetic reaction addition, discharge, TFF ultrafiltration, coating granulation supplying liquid

Pump Head



YZ15

YT25

DG6/10-1/2/4



BT100L/BT300L/BT600L

Intelligent Flow Peristaltic Pump

Features

- Color touch LCD display flow rate & control mode, visual.
- Working modes: flow operation, timing operation.
- Precise flow control and display, micro-step algorithm to ensure the dispensing accuracy.

BT100L Flow Range	0.0002-720 ml/min
BT300L Flow Range	0.006-1690 ml/min
BT600L Flow Range	0.006- 2900 ml/min

Typical application

Water treatment sampling, synthetic reaction addition, TFF ultrafiltration, coating granulation supplying liquid.

Pump Head



YZ15

YT25

DT10-18/28/48

DT15-24/44



BT101F/BT301F/BT601F

Intelligent Dispensing Peristaltic Pump

Features

- Color LCD display, touch screen and keypad for operating.
- Display and control flow rate, accumulate dispensing volume automatically.
- Mainly used for accurate measurement and dispensing of complex liquid.

BT101F Flow Range	0.0001-720 ml/min
BT301F Flow Range	0.006-1690 ml/min
BT601F Flow Range	0.006- 2900 ml/min

Typical application

Media preparation, reagent dispensing, and quantitative sampling.

Pump Head



YZ15

YT25

DG-1/2/4



Learn More

BT100F/BT300F/BT600F

Intelligent Dispensing Peristaltic Pump

Features

- Four working modes: flow mode, time dispensing, volume dispensing, programming dispensing.
- Precision controlling technology for motor's rotating angle increases the dispensing accuracy.
- Programming mode supports 30 different quantitative parameter settings for complex control processes.

BT100F Flow Range	0.0001-720 ml/min
BT300F Flow Range	0.006-1690 ml/min
BT600F Flow Range	0.006- 2900 ml/min

Typical application

Media preparation, reagent dispensing, and quantitative sampling

Pump Head



YZ15

YT25

DT10-18/28/48

DG-8/12

DT15-24/44

KZ25-PC/L



WG600S/WG600F Industrial Peristaltic Pump

Features

- Suitable for transferring and dispensing large flow rate of fluid industry.
- Brushless servo motor drive with large torque, no maintenance, powerful, high accuracy.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion liquids.

WG600S Flow Range 400-13000ml/min
WG600F Flow Range 10-13000ml/min
Channel 1,2

Typical application

Material transfer for dosing, TFF/DFF ultrafiltration, reagent dispensing and quantitative sampling

Pump Head



YZ35



WG600S

WG600F



Learn More



DS600

Multichannel Filling System

Features

- Design for the multi heads & high accuracy filling.
- Individually control each channel.
- Not only for match the automatic production line, but also support manual operation.

Filling Range 0.2-2000ml
Channel 2-100

Pump Head



YZ15

YT25

KZ25-L

YZ35



Learn More

WT600S-65/WT600F-65/MF106 High Protection Peristaltic Pump

Features

- High protection grade, suitable for harsh working environment such as humidity and dust.
- Brushless servo motor, large torque, free maintenance.
- Provides various working modes to meet different working needs.

WT600S-65 Flow Range	1.8-6000ml/min	IP65
WT600F-65 Flow Range	0.006-6000ml/min	IP65
MF106 Flow Range	6-7800ml/min	IP66

Pump Head



YZ15

YT25

KZ25-L

YZ35



NEW



Learn More



Explosion-proof Motor Peristaltic Pump

Features

- Industrial grade AC frequency conversion explosion-proof motor, with special pump head, safe and reliable.
- Split or integral design, suitable for a variety of working environment.
- IP55 high protection grade, suitable for complex working environment.

FP300S-A3 Flow Range	900-32000ml/min
FP301S-A3 Flow Range	900-32000ml/min
FG600S-A3 Flow Range	4.4-6000ml/min
FG601S-A3 Flow Range	800-1300ml/min
FG600S-W3 Flow Range	7-6000ml/min
FG601S-W3 Flow Range	1820-13000ml/min

Pump Head



YZ15

YT25

PL48

KZ25-L


YZ35



Learn More




Learn More




YZ15/15-T

Flow range ≤2479ml/min
Applicable tubing 1 3#14#19#16#25 #17#18#



YT25

Flow range ≤2900ml/min
Applicable tubing 15#24#35#36#



YZ35

Flow range ≤13L/min
Applicable tubing 73#82#




KZ25

Flow range ≤6000ml/min
Applicable tubing 15#24#35#36#
Material PC,PPS,Alufer




DT10/15

Flow range ≤2240ml/min
Applicable tubing 16#19#25#17#13#14# or wall 0.8 ~ 1, ID≤3.17
Channel 1,2,4,8




DG/DS

Flow range ≤49ml/min
Applicable tubing Wall 0.8 ~ 1, ID≤3.17
Channel 1,2,4,8,12
Roller 6,10




WMD15

Flow range ≤1700ml/min
Applicable tubing 13#14#19#16#25#17#




DMD25-T

Flow range ≤4000ml/min
Applicable tubing 15#24#35#36#



FT1524

Flow range ≤1958ml/min
Applicable tubing 13#14#19#16#25# 17#18#



GN10

Flow range ≤65ml/min
Applicable tubing 2.48×0.76mm
4.48×0.76mm(PTFE)

SF01 Hand Dispenser

The hand dispenser is equipped with LEAD FLUID ZT series filling needles, which is mainly suitable for manual and semi-automatic dispensing of peristaltic pump. The grip is comfortable, small in size and light in weight.

Dimensions ID≤8mm, wall thickness≤2.4mm



Learn More

Footswitch

Features

Mainly cooperate with Lead Fluid's full range of products to control the start and stop of the pump. Light touch front step design, clear touch and anti-fatigue.

Dimensions 103×72×25mm
IP grade IP54



Anti-adsorption Countersunk

Model	Material	Dimensionmm (ID×OD)	Tubing
CT-2	316L	1.5×2.5	13# 1×0.92mm
CT-3	316L	2×3	14# 19# 2×0.92mm 3×0.92mm
CT-6	316L	4×6	16# 25# 15#
CT-10	316L	8×10	17# 24#
CT-12	316L	9×12	18# 35# 36# 73#
CT-16	316L	13×16	82#

Dispensing Needles

Model	Material	Dimension mm (ID×OD×H)	Tubing
ZT-1	304	0.7×0.9×100	13# 0.5×0.92mm
ZT-2	304	1.8×2×100	1×0.92mm
ZT-3	316L	2×3×100	14# 19# 2×0.92mm 3×0.92mm
ZT-6	316L	4×6×100	16# 25# 15#
ZT-8	316L	5×8×100	17# 24#
ZT-12	316L	9×12×100	18# 35# 36# 73#
ZT-12B	316L	4×12×100	36# 73#
ZT-16	316L	13×16×100	82#



Lead Fluid Silicone Tubing

Excellent biocompatibility, Odorless, non-toxic, no plasticizer, very little precipitation. The inner wall is very smooth and has good antibacterial performance. Suitable for neutral liquids, weak acids, weak bases and some low-concentration solvents.



Tygon®Pharmed BPT Long-life Tubing

It is suitable for medium acid and alkali liquid transmission, cell culture, fermentation, synthesis, separation, purification and process control (can be used for sensitive cell culture), filtration and fermentation, sterile filling, and has long service life.



Tygon®Chemical Chemical Delivery Tubing for Long Life

It is resistant to strong acids and alkalis and strong corrosive organic solvents, and can transport 98% concentrated sulfuric acid, acetone, and toluene.

TYD Series Laboratory Syringe Pump

Features

- Suitable for transferring and dispensing large flow rate of fluid industry.
- Brushless servo motor drive with large torque, no maintenance, powerful, high accuracy.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion liquids.

Flow Range 0.185nl/min-173.718ml/min
Channel 1,2,4,6,10

Typical application

Animal laboratory, synthetic chemistry Laboratory, filling machine for uniform paste, mass spectrometer accessories, electrospinning, coating in the plating industry



Learn More

TSD01-01 Two-way Push-pull Syringe Pump

Features

- Assemble two syringes, through several tube-line connection, realize continuous transmission liquid.
- Support five kinds of working modes.
- Syringe protection and traffic jam alarm.

Flow Range 0.185nl/min-83.318ml/min



TFD Series Split Style Laboratory Syringe Pump

Features

- Controller and execution unit split design, easy to installation and fixation.
- It can be used in conjunction with other instruments and devices, such as brain stereotaxis.
- Suitable for various micro-injection.

TFD02-01 Flow Range 0.005nl/min-83.318 ml/min
TFD03-01 Flow Range 0.005nl/min-152.456μl/min



TFD02-01
Syringe: 10μl-60ml



TFD03-01
Syringe: 0.5μl-100ul



TYD01-01
Syringe: 10μl-60ml



TYD02-02
Syringe: 10μl-140ml



TYD02-04
Syringe: 10μl-10ml



TYD01-10
Syringe: 10μl-10ml



TFD04 Series Split Style Syringe Pump

Features

- Precise flow control and display.
- Multi-channel micro-syringe pump (up to 8 channels).
- 1-8 sets of main parameters and working state display on the same screen and each executive body is controlled to work independently.

TFD04*ZX02 Flow Range 0.184nl/min-83.318ml/min
TFD04*ZX03 Flow Range 0.005nl/min-152.456ml/min



TYD01-01 Laboratory Syringe Pump

Features

- High precision injection pump with multiple working modes.
- Color LCD display, touch screen, for quick and easy parameter setting.
- Plastic housing, wide range power input, and is suitable for various occasions.

Flow Range 0.185nl/min-83.318ml/min
Syringe 10μl-60ml

Typical application

Electrospinning, Stereo Positioning Instrument for Computer, Sampling and Microfluidic Injection for Material Science Experiments.



G3030S-1S Industrial Syringe Pump

Features

- The applicable glass syringes from 50μL to 5mL.
- Mainly suitable for high-precision micro liquid continuous transmission, dilution and dispensing.
- It could run automatically according to the previously stored commands.
- Can assembly a 50μl ~ 5ml gas tight syringe, wide linear speed range.
- It can be used in various ways, it can be controlled by external signal, it can also be controlled by PC communication or it can run automatically offline.

Flow Range 0.005mm/s-25mm/s



Learn More

CT3001S/CT3000S Basic Speed Variable Micro Gear Pump

Features

- Transmission fluid viscosity: 200cSt or less.
- DC brushless motor, high performance, low noise.
- LED display speed, keys operation with time dispensing function.
- Speed display and time dispensing function.
- External control signal control, physical isolation, analog control.
- RS485 communication, support MODBUS protocol.
- Wide range power input, adapted to different environments.

Flow Range 90-2700ml/min



CT3000S

CT3001F/CT3000F Intelligent Dispensing Micro Gear Pump

Features

- Suitable for transmission more viscous, high pressure liquid.
- Color LCD display, touch screen operation. Servo brushless motor, high performance, low noise.
- Four working modes, three dispensing ways.
- Four working modes, three dispensing ways: flow rate mode, time dispensing, volume dispensing, copy dispensing.
- LF-Touch-OS software system.
- Flow calibration wizard, ensure the accuracy of fluid volume.
- Intelligent temperature control function.
- External control signal control, physical isolation, analog control.
- RS485 communication, support MODBUS protocol

Flow Range 15~2700ml/min



CT3001F



Features

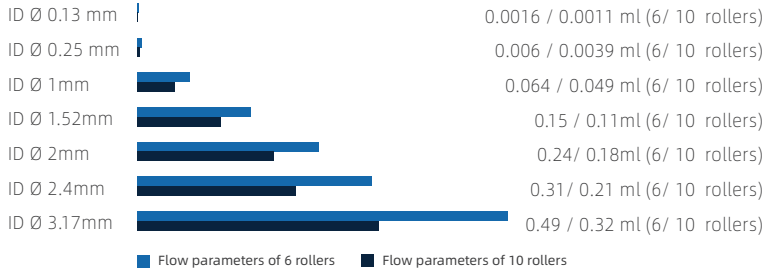
- It has a delicate structure, multiple channels and low pulse.
- Adjustment cartridge design, pressure tube clearance can be adjusted.
- Optical sensor for real-time speed feedback monitoring.

DG Series

Technical Parameters

Channel	1-8	
Roller	6/10	
Speed range	0.1~100rpm	
Flow range	0.00011~49ml/min(single channel)	
Tube	wall 0.8~1mm,ID 0.13~3.17mm	
Tube material	Silicone,Pharmed,Tygon3603,Viton	
Roller material	304 stainless steel	
Card material	POM / PVDF	
Tube clearance	manual adjustment/Automatic adjustment	
Motor	57stepper motor(3A)	
Dimension	1channel 122×116×92mm	2channel 131×116×92mm
	4channel 147×116×92mm	5channel 178×116×92mm
	6channel 164×116×92mm	8channel 180×116×92mm

Flow/rpm

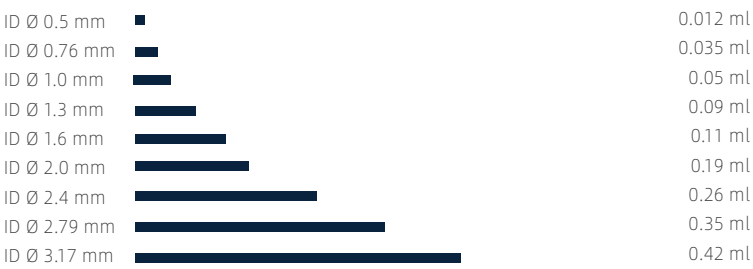


DW Series

Technical Parameters

Channel	1-8	
Roller	6/10	
Speed range	0.1~100rpm	
Flow range	0.00011~49ml/min(single channel)	
Tube	wall 0.8~1mm,ID 0.13~3.17mm	
Tube material	Silicone,Pharmed,Tygon3603,Viton	
Roller material	304 stainless steel	
Card material	POM / PVDF	
Tube clearance	manual adjustment/Automatic adjustment	
Motor	57stepper motor(3A)	
Dimension	1channel 122×116×92mm	2channel 131×116×92mm
	4channel 147×116×92mm	5channel 178×116×92mm
	6channel 164×116×92mm	8channel 180×116×92mm

Flow/rpm



Features

- It has a delicate structure, multiple channels and low pulse.
- Adjustment cartridge design, pressure tube clearance can be adjusted.
- Optical sensor for real-time speed feedback monitoring.



Features

- Rotary quick-mount pump head, eliminating the need for tools.
- The inlet and outlet directions of the device can be adjusted, and the operation is simple.

MM10

Technical Parameters

Channel	1
Roller	3
Speed range	≤400rpm
Flow range	≤144ml/min
Tube	wall 0.8~0.92mm,ID 0.13~3.2mm
Tube material	Silicone,Pharmed,Viton
House material	PES
Roller material	PVDF
Tubing method	whole tube/connector(tube ID≥1.6mm)
Tube clearance	fixed
Transmission pressure	≤0.1MPa
Power consumption	< 10W
Structure	manual adjustment/Automatic adjustment
Motor	DC brush / DC brushless / stepper motor
Dimension	74×57.4×42.3mm(DC deceleration motor) 58.5×57.4×42.3mm(stepper motor)

Flow/rpm



Features

- PPS+PVDF material,excellent chemical corrosion resistance.
- The elastic fixed structure makes the flow accurate and steady.
- The built-in tube connector and spring tube clip are optional, meeting the needs of multiple working conditions.

KT15

Technical Parameters

Channel	1
Roller	2
Speed range	≤100rpm
Flow range	630ml/min
Tube	13#14#19#16#25#17#
Tube material	Silicone,Pharmed,Viton.etc
Main material	PPS
Roller material	PVDF
Tube clearance	can be fine-tuned
Motor	AC motor
Dimension	157×80×110mm

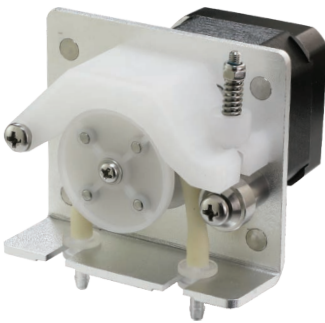
Flow/rpm





Features

- PPS+PVDF material,resistant to chemical corrosion and high temperature.
- Flip cover design,easy to install and minimal noise.



Features

- The structure is simple and the installation and operation are convenient.
- Reversible direction and adjustable speed.
- Low pulsation, high precision

FZ10

Technical Parameters

Channel	1
Roller	4
Speed range	0.1 ~ 100rpm
Flow range	0.0005 ~ 41ml/min
Tube	wall 0.8~1mm,ID≤3.17mm
Tube material	Silicone,Pharmed.etc
House material	PPS
Roller material	PVDF
Tube clearance	fixed
Transmission pressure	≤0.1Mpa
Motor	42 stepper motor
Dimension	81×58×70mm

Flow/rpm

ID Ø 1 mm	0.06 ml
ID Ø 1.52 mm	0.12 ml
ID Ø 2 mm	0.2 ml
ID Ø 2.79 mm	0.35 ml
ID Ø 3.17 mm	0.41 ml



Features

- Rotary quick-mount pump head, eliminating the need for tools.
- The inlet and outlet directions of the device can be adjusted,and the operation is simple.



Features

- PPS+PVDF material,excellent chemical corrosion resistance.
- The elastic fixed structure makes the flow accurate and steady.
- The built-in tube connector and spring tube clip are optional, meeting the needs of multiple working conditions.

KJ15

Technical Parameters

Channel	1
Roller	4
Speed range	0.1 ~ 200rpm
Flow range	0.0027~166ml/min
Tube	13#14#19#16#25#
Tube material	Silicone,Pharmed,A-60-F.etc
House material	PVDF
Roller material	Aluminum Alloy
Tubing method	whole tube/connector(tube ID≥1.0mm)
Tube clearance	automatic adjustment
Transmission pressure	42 stepper motor
Power consumption	83×60×61mm
Structure	
Motor	
Dimension	

Flow/rpm

ID Ø 1.6 mm (14#)	0.146 ml
ID Ø 2.4 mm (19#)	0.317 ml
ID Ø 3.2 mm (16#)	0.526 ml
ID Ø 4.8 mm (25#)	0.945 ml
ID Ø 6.4 mm (17#)	1.66 ml

TY15

Technical Parameters

Channel	1
Roller	2
Speed range	≤100rpm
Flow range	630ml/min
Tube	13#14#19#16#25#17#
Tube material	Silicone,Pharmed,Viton.etc
Main material	PPS
Roller material	PVDF
Tube clearance	can be fine-tuned
Motor	AC motor
Dimension	157×80×110mm

Flow/rpm

ID Ø 2.4 mm (19#)	0.4 ml
ID Ø 3.2 mm (16#)	0.74 ml
ID Ø 4.8 mm (25#)	1.4 ml