

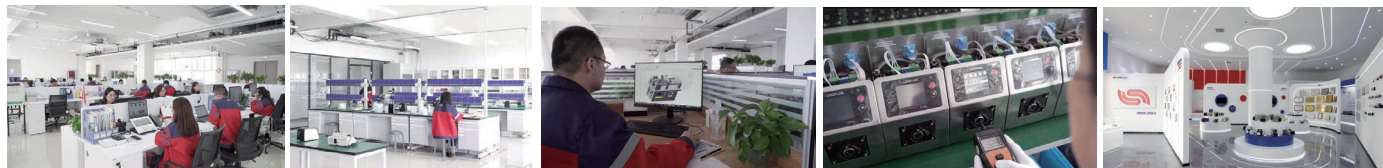




COMPANY PROFILE

Baoding Lead Fluid Technology Co., Ltd., established in 2010, has been dedicated to pioneering research and innovation in small-scale precision pump products. We have positioned ourselves in the global high-end market, providing customers with professional and agile technical services through a comprehensive service system. With an exceptional technical team, we seamlessly tailor solutions to various application scenarios. Our products find wide application in biotechnology, environmental protection, smart manufacturing, new energy, and other technical fields for high-precision fluid transmission and control. All our

products have obtained CE and ROHS certifications and are exported to countries such as the United States, Germany, France, the Netherlands, Italy, Spain, and Japan, earning widespread trust and praise from customers. Having achieved over a hundred intellectual property milestones in pursuit of our mission, we have been recognized as a national high-tech enterprise, a national specialized and new "Little Giant" enterprise, an innovative entrepreneurial team under the "Giant Plan," and champions across various categories in Hebei Province. We remain committed to continuously expanding our professional capabilities, driving industry transformation and diversified development, and exploring boundless possibilities in "microfluidic transmission, benefiting humanity drop by drop"



Authority Certification | Fruitful Achievements



National-level Honor



CE Certification



ISO9001 Certification

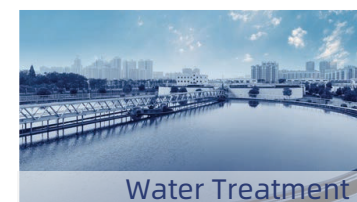


RoHS Certification

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



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 0.0035 -34mL/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.
- Compatible with multi-cartridge low-flow pump heads.

Flow Range 0.00011-500mL/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.
- Time dispensing function, it realizes the repeat timing quantitative dispensing.
- Meet basic transmission requirements with high cost performance.Speed adjustment, timed dispensing.

BT101S Flow Range 0.00011-750 mL/min
BT301S Flow Range 0.005-1750 mL/min
BT601S Flow Range 0.005-3000 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 shell, 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 0.00011-750mL/min
BT300S Flow Range 0.005-1750mL/min
BT600S Flow Range 0.005-3000mL/min
BT100S-1 Flow Range 0.00011-750mL/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

- Servo motor driven, precise 6000:1 speed ratio, maintenance-free and powerful.
- Can cascade multiple pump heads.
- Start/stop, reversible direction, full speed, adjust speed, state memory (power-down-memory).

WT300S Flow Range 0.004-3850mL/min
WT600S Flow Range 0.005-6600mL/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



BT101L/BT301L/BT601L Intelligent Flow Peristaltic Pump

Features

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

BT101L Flow Range	0.00011-750 mL/min
BT301L Flow Range	0.005-1750mL/min
BT601L Flow Range	0.005- 3000 mL/min

Typical application

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



Pump Head



DG6/10-1/2/4

DS6/10-1/2/4

YZ15T

YT25



BT100L/BT300L/BT600L Intelligent Flow Peristaltic Pump

Features

- Color screen with wide viewing angle display, dual adjustment of flow rate and speed.
- Time dosing, timed start and stop.
- Precise flow control and display, micro-step algorithm to ensure the dispensing accuracy.

BT100L Flow Range	0.00011-750mL/min
BT300L Flow Range	0.005-1750 mL/min
BT600L Flow Range	0.005- 3000 mL/min

Typical application

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

Pump Head



DG6/10-1/2/4

DS6/10-1/2/4

DT10-18/28/48

DT15-24

DT15-44

YZ15T

YT25

BT101F/BT301F/BT601F Intelligent Dispensing Peristaltic Pump

Features

- Color LCD display, touch screen and keypad for operating.
- Multiple dispensing modes, accurate dispensing.
- Flow rate adjustment and automatic flow calibration.

BT101F Flow Range	0.00011-750 mL/min
BT301F Flow Range	0.005-1750 mL/min
BT601F Flow Range	0.005- 3000mL/min

Typical application

Media preparation, reagent dispensing, and quantitative sampling.

Pump Head



DG6/10-1/2/4

DS6/10-1/2/4

YZ15T

YT25



BT100F/BT300F/BT600F Intelligent Dispensing Peristaltic Pump

Features

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

BT100F Flow Range	0.00016-750 mL/min
BT300F Flow Range	0.005-1750 mL/min
BT600F Flow Range	0.005- 3000 mL/min
BT100F-1 Flow Range	0.00011-1650mL/min

Typical application

Media preparation, reagent dispensing, and quantitative sampling

Pump Head



DG6/10

DS6/10

DT10-18/28/48

DT15-24/44

KZ25

KZ25-L

YZ15T

YT25

WT300F/WT600F Intelligent Dispensing Peristaltic Pump

Features

- Four working mode: flow mode, volume mode, time mode, copy mode.
- Each dispensing mode can store five groups of working parameters. Simply select when using.
- Wizard style operation prompt, simple and fast operation.

WT300F Flow Range 0.005~4200mL/min
WT600F Flow Range 0.005 ~ 6600mL/min

Typical application

High precision dispensing, multi-channel coating granulation, fluidized bed, etc.

Pump Head



WG600S/WG600F Industrial Peristaltic Pump



Features

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

WG600S Flow Range 0.4-13.2L/min
WG600F Flow Range 0.0013-13.2L/min
Channel 1,2

Typical application

Timed and metered transfer, TFF/DFF ultrafiltration, reagent dispensing and quantitative sampling

Pump Head



DS600 Multichannel Filling System

Features

- Designed for multi-channel and high accuracy filling.
- Individually control each channel.
- Stainless steel 304 shell, easy to disinfect and clean.
- Perfectly compatible with automatic filling lines, also suitable for manual filling.

Filling Range 0.1-5000mL
Channel 2-16

Pump Head



JP300S/JP301S Batch Transfer Peristaltic Pump

JP301S(two channels)

Features

- Pump head adopts planetary gear design, powerful.
- Open the lid, the pump stop running, safe and reliable.
- AC motor drive, external frequency control. It can be operated manually, also can be achieved networking operation with PLC, IPC and computer.

Flow Range 0.64-33L/min



BT600P Programming Peristaltic Pump

Features

- Control freely and build your exclusive workflow at will.
- Touch screen operation, drag and drop control, capable of implementing nested, jump, and other complex controls.
- Built in operation log function, real-time recording of operation time, mode selection, and other information helps you comprehensively understand the operation process and tracking.
- Widely used in modern laboratories, industrial production, and medical equipment fields.

Flow Range 0.006-2900mL/min

Pump Head



YZ15T

YT25



BX600S Handheld Peristaltic Pump

Features

- Handheld design, easy operation, compact size, and convenient to carry.
- Rechargeable power source, suitable for outdoor water sampling, emergency response, or locations without power supply.
- Can be equipped with various pump heads sizes, simple and convenient tube replacement, with a wide range of flow rates and adjustable flow rate.

Flow Range 1.5 ~ 3700mL/min

Pump Head



KZ25-PC

YZ25

YZ15T

YT15

YT25



Protective Box

HSP3000 Milliliter Peristaltic Pump

Features

- High precision, high efficiency, modular design
- Formulation management system with three-level permission control
- Support for USB import and export
- Up to 16 pumps can be cascaded

Flow Range 25μL-3000μL

Typical Application

Widely used in the field of high-precision liquid filling, including magnetic bead solution, glycerol, glycerol serum, glycerol ethanol, glycerol paraffin oil, glycerol mix reagent, glycerol protease K, cell lysis buffer, urea, etc.



WSP3000 Microliter Peristaltic Pump

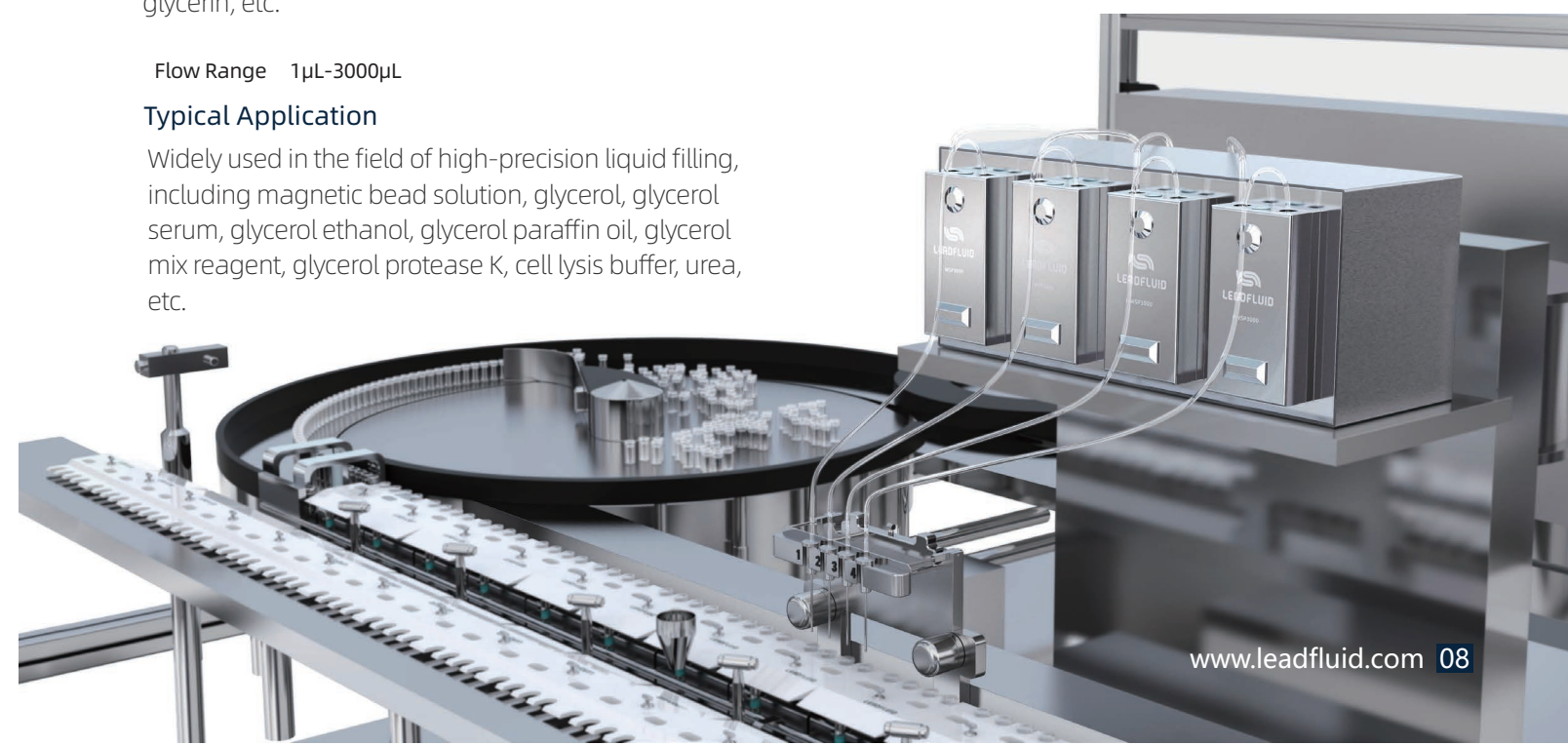
Features

- Minimum dispensing volume is 1μL.
- High precision, high efficiency, long life, easy to clean, widely used in high-precision liquid filling applications.
- Compact size, can be cascaded to form a multi-channel filling system.
- The continuous service life of the tube up to 1000 hours, 12 hours attenuation rate < 1%.
- Can easily cope with materials that are easy to precipitate and have a certain viscosity such as magnetic beads, glycerin, etc.

Flow Range 1μL-3000μL

Typical Application

Widely used in the field of high-precision liquid filling, including magnetic bead solution, glycerol, glycerol serum, glycerol ethanol, glycerol paraffin oil, glycerol mix reagent, glycerol protease K, cell lysis buffer, urea, etc.





NEW

High Protection Peristaltic Pump

Features

- Suitable for relatively harsh industrial production environments such as dust, humidity, weak acid, alkali, salt mist, etc.
- The new product has dust-proof and short-term liquid immersion capabilities.
- Has strong stability and adaptability.

MF106 Flow Range	0.006 -7.8L/min	IP66/IP67
MS106 Flow Range	0.006~7.7L/min	IP66/IP67
MF118 Flow Range	0.007-20L/min	IP66/IP67
MF133 Flow Range	0.01 -33L/min	IP66/IP67
WT600S-65 Flow Range	0.0015-6.6L/min	IP65
WT600F-65 Flow Range	0.0005-6.6L/min	IP65

Application areas: pharmaceuticals, industrial applications, etc

Pump Head



KL40



PL48



NEW

Explosion-proof Motor Peristaltic Pump

Features

- Suitable for complex working conditions such as chemical, pharmaceutical, dust, flammable and explosive, etc.
- Including new pumps with integrated explosion-proof design, dust explosion-proof, and IP66 protection level.
- Explosion proof level: Ex db IIB T4 Gb, Ex tb IIIC T1 30°C Db (motor); Ex db IIB T6 Gb, ExtD A21 T80 IP54 (explosion proof box).

EF800 Series Flow Range	≤7.92L/min	IP66
EF900 Series Flow Range	≤33L/min	IP66
FG604 Series Flow Range	≤13.2L/min	IP65/IP54
FP300S-A3 Flow Range	0.6-33L/min	IP55
FG600S-A3 Flow Range	0.004-6L/min	IP55
FG601S-A3 Flow Range	1-13L/min	IP55
FG600S-W3 Flow Range	0.008-6L/min	IP55
FG601S-W3 Flow Range	1.8-13L/min	IP55
FG600S-Q Flow Range	0.009-6L/min	IP31
FG601S-Q Flow Range	2-13L/min	IP31

Application areas: pharmaceutical, chemical, food and other industries.

Pump Head



KL40



PL48

Pump Head



YZ15T

Flow range ≤2817mL/min
Applicable tubing 13#14#19#16#25#
17#18#



YZ15



YZ25

Flow range ≤3000mL/min
Applicable tubing 114#116#15#24#
35#36#



YZ35

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



KZ25-L, KZ25-PC/PPS

Flow range ≤6600mL/min
Applicable tubing 15#24#35#36#
Material PC, PPS, Alufer



DT10/15

Flow range ≤2240mL/min
Applicable tubing 13#14# wall 0.8 ~ 1, ID
≤3.17(DT10)
19#16#25#17#(DT15)
Channel 1,2,4,8



DG/DS

Flow range ≤49mL/min((DG)
≤50mL/min((DS)
Applicable tubing Wall 0.8 ~ 1, ID≤3.17
Channel 1,2,4,8,12
Roller 6,10



WMD15

Flow range ≤1740mL/min
Applicable tubing 13#14#19#16#25#17#



DMD25-T

Flow range ≤4200mL/min
Applicable tubing 114#119#116#15#
24#35#36#



FT1524

Flow range ≤1900mL/min
Applicable tubing 13#14#19#16#25#
17#18#



GN10

Flow range ≤78mL/min
Applicable tubing 2.48×0.76mm
4.48×0.76mm(PTFE)



NEW

FT1505

Flow range ≤510mL/min
Applicable tubing 13#14#19#16#25#



BZ15, BZ25

Flow range ≤2100mL/min
Applicable tubing 13#14#19#16#25#
17#18#(BZ15)
15#24#(BZ25)

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

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



Dispensing needle is designed for liquid dispensing and anti-dropping, it can be directly applied by hand, it can be equipped with LEADFLUID handheld dispenser, simple filling table or self-supporting fixing bracket.

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#

Materials: PP,PVDF,SS316,etc.

Tube Connector

Straight, Y Type, T Type		Adjustable Joints		
1.6mm	7.9 mm	2.4-1.6mm	4.8-2.4mm	7.9-6.4mm
2.4 mm	9.6 mm	3.2-1.6mm	4.8-3.2mm	9.5-6.4mm
3.2 mm	12.7 mm	3.2-2.4mm	4.8-6.3mm	9.6-7.9mm
3.9 mm	17.8mm(straight)	3.2-6.4mm	6.3-3.5mm	12.7-6.4mm
4.8 mm	25mm(straight)	3.9-2.4mm	6.4-3.9mm	12.7-7.9mm
6.4 mm		3.9-3.2mm	6.4-4.8mm	12.7-9.6mm
		4.8-1.6mm	7.9-4.8mm	

ZN90 Pulse Damper

The Lead Fluid ZN90 pulse damper is a damper developed specifically for peristaltic pumps. It is a pressure vessel divided into upper and lower chambers. The lower chamber contains the fluid being pumped, while the upper chamber contains gas. Due to the compressibility of the gas, it absorbs the pulsation instantaneously, allowing the system to achieve stable liquid flow and pressure, thereby reducing pulsation.

Model	ZN90-PE	ZN90-PTFE
Tube Material	Silicone,Pharmed,PVC,Viton,A-60-G/F	
Tube ID	1.6~9.6mm	
Connector	External thread~ turret connector	
Volume	180mL	
Maximum Pressure	0.3Mpa	
Dimension	90×90×90mm	
Shell	PE	PTFE
Seal Material	EPDM	FFKM
Working Temperature	0~40℃	0~80℃
temperature Drop	< 5℃/min	< 5℃/min
Weight	220g	510g



ZN90

ZN100/60 Pulse Damper

The Lead Fluid ZN100/60 pulse damper features a unique dual-sided flexible buffer film design that absorbs pulsating flow in the fluid delivery line, effectively smoothing out pulse fluctuations in the tube, resulting in smoother fluid delivery. The pulse damper is equipped with buffer film of various thickness specifications, expanding its applicability to a wider range of flow rates. It boasts excellent resistance to high temperatures and chemical corrosion and is also explosion-proof. This damper is suitable for low-flow applications and can be used in equipment, instruments, laboratories, and other matching scenarios.

The recommended pressure value for the ZN100 buffer film specification			
The thickness of the buffer film	Max Working Pressure	Holding pressure	
1mm	0.03 MPa	0.15 MPa	Note: The default configuration is a 1mm buffer film. Buffer films with thicknesses ranging from 2mm to 5mm are custom configurations. You can choose to customize a buffer film with a thickness of 2mm to 5mm according to pressure requirements.
2mm	0.05 MPa	0.16 MPa	
3mm	0.08 MPa	0.20 MPa	
4mm	0.14 MPa	0.23 MPa	
5mm	0.14 MPa	0.23 MPa	
The recommended pressure value for the ZN60 buffer film specification.			
0.1mm	0.12MPa	0.15MPa	Note: The damper is equipped with a 0.5mm buffer film by default, and the accessory package also includes 0.1mm and 0.2mm buffer film and buffer membrane gaskets. Please choose the buffer film to replace according to the pressure and flow requirements. For specific replacement methods, please refer to the operation manual.
0.2mm	0.13MPa	0.16MPa	
0.5mm	0.15MPa	0.18MPa	



ZN60



ZN100



Filling Table

Model	Filling Need	Tube
GDT-1	ZT-1	13# 0.5×0.92mm
GDT-2	ZT-2	1×0.92mm
GDT-3	ZT-3	14# 19# 2×0.92mm 3×0.92mm
GDT-6	ZT-6	16# 25# 15#
GDT-8	ZT-8	17# 24#

Mainly used for small batches of single and multi-heads, increase productivity

Dimensions: 290×180×250mm
Table size: 210×140mm
Filling head: 1~4个 (other quantities can be customized)
Needle interval range: ≥35mm
Container height: ≤150mm
Material: SS304



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.

Lead Fluid Silicone Tubing

Lead Fluid silicone tubing is made of imported silicone rubber material and processed by platinum vulcanization process, high cleanliness, excellent elasticity and abrasion resistance, it is a high-quality peristaltic pump tube and transmission tube. It is widely used in pharmaceutical, bioengineering, fine chemical, food, medical and other fields.

Function and Feature:

1. Has excellent biocompatibility.
2. Odorless, non-toxic, no plasticizer, very little precipitation.
3. The inner wall is very smooth and has good antibacterial performance.
4. Good elasticity, can quickly restore shape after radial compression (shore hardness:50~55)
5. Weatherproof, ozone-resistant, anti-radiation, excellent anti-aging performance.
6. Suitable for neutral liquids, weak acids, weak bases and some low-concentration solvents.
7. Temperature resistance range -50~230℃ under static state, -40~100℃ temperature resistance under working condition.
8. Can use hot water, distilled water for cleaning; high temperature and high pressure, ethylene oxide, gamma ray sterilization.
9. The color is transparent, translucent to milky white, etc.

Silicone Tubing Specifications:

Tubing No.	0.5×0.92	1×0.92	2×0.92	2.4×0.92	3×0.92	13#	14#	19#	16#	25#	17#	18#
Tubing section (1:1)												
Wall thickness (mm)	0.92					1.6						
ID (mm)	0.5	1.0	2.0	2.4	3.0	0.8	1.6	2.4	3.1	4.8	6.4	7.9
Tubing pressure (Mpa)	Continuous	0.1					0.17			0.14	0.1	0.07
	Interval	0.1					0.27			0.24	0.14	0.1

Tubing No.	114#	119#	116#	15#	24#	35#	36#
Tubing section (1:1)							
Wall thickness (mm)	2.4						
ID (mm)	1.6	2.4	3.1	4.8	6.4	7.9	9.6
Tubing pressure (Mpa)	Continuous	0.17					0.14
	Interval	0.27					0.24

Tubing No.	73#	82#	193#	191#	88#	92#
Tubing section (1:1)						
Wall thickness (mm)	3.3		4.8			
ID (mm)	9.6	12.7	9.5	19	12.7	25.4
Tubing pressure (Mpa)	Continuous	0.17	0.1	0.14		
	Interval	0.27	0.1	0.14		

1. The tubing picture in the table is a 1:1 cross-sectional view of the actual product 2. The tubing specifications are marked with a tubing no. or "ID ×wall thickness", such as:25# or 4.8×1.6mm.
3. The wall thickness of 1.6mm or more can adapt to the higher speed of the peristaltic pump, generally up to 600rpm.
4. High speed cannot be used below 1.0mm wall thickness, generally not more than 100rpm.

Imported Pump Tubing



Tygon S3™ E-3603

Tygon S3™ tubing based on bio-materials combines high-performance standards required by customers with bio-environmentally friendly requirements. Crystal-like transparency, flexibility, durability, and anti-cracking characteristics make the delivery performance of the new Tygon S3™ E-3603 tube meet your needs.

Tygon S3™ E-3603 tubing does not contain phthalate plasticizers and is used to transport the most demanding food and beverages. It will not be oxidized and contaminated, and the air tightness is better than that of a rubber tube. The glass-smooth cavity helps prevent particles from accumulating and facilitates cleaning.

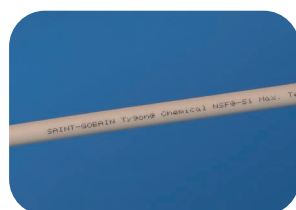


Tygon® SPT-3350

The inner surface smoothness of Tygon® SPT-3350 silicone tube is three times that of other silicone tubes, reducing the risk of particle retention and micro-scale fouling when transporting fluid.

Due to the smoother fluid flow, the overall hygiene of the conveying system is also better. Tygon® SPT-3350 silicone tubing will not be clogged even if it is reused, which is helpful for thorough cleaning and disinfection.

Comply with USP Class VI, FDA and NSF related standards. The biocompatibility of Tygon3350 can reach ISO10993 standard. The max operating temperature can reach 205 °C.



Tygon® Chemical

As a high-performance co-extrusion product, Tygon chemical peristaltic pump tubing adopts a special formula to ideally combine chemical resistance and pump tubing life. Its inert, super-smooth, plasticizer-free inner cavity can inhibit fluid adsorption or adhesion, and its Tygon elastic outer layer ensures long pump tube life.

Tygon chemical peristaltic pump tubing is the best choice for disinfection and detergent delivery.

- Long life of peristaltic pump tube
- Excellent chemical resistance
- Meets FDA's food contact requirements
- Hardly affected by chemical disinfectants and cleaning agents.
- Withstand a wide temperature range, from -60°C to 74°C
- Plasticizer-free cavity
- Anti-fluid adsorption/adhesion performance



Tygon® Pharmed BPT

Maintains the integrity of the fluid during delivery, and delivers fluid through a peristaltic pump, reducing the risk of fluid contacting any part of the pump body. It has a long service life of the pump tube, shortens the production downtime caused by the failure of the pump tube, and simplifies the production process. The PharMed® BPT tubing is easy to clean and disinfect. It is compatible with almost all commercially available cleaning agents and disinfectants, and it can also be exposed to up to 5MRads of cobalt 60 gamma irradiation. In terms of gas and vapor permeability, PharMed® BPT tubing is lower than silicone tubing. PharMed® BPT tubing has good chemical resistance and excellent resistance to acids, alkalis and oxides. Since it is impervious to visible and UV light, PharMed® BPT hose helps protect light-sensitive fluids.

- The service life of the peristaltic pump tube is 30 times better than that of the silicone tube
- High temperature and high pressure sterilization can be repeated
- The temperature range is -60F(-51°C) to 275F(135°C)
- Can withstand repeated CIP and SIP
- Comply with REACH, RoHS, USP Class VI, FDA, NSF and ISO 10993 certification



Tygon® A-60-F

Tygon® A-60-F tubing is designed to transport the specified food or beverage in the temperature range of -59°C to 135°C without cracking or aging.

The tubing has excellent flexibility, simple and quick installation, anti-knot and anti-deformation. Its excellent resistance to bending fatigue makes this tubing particularly suitable for use in peristaltic pumps for dispensing equipment. Because the tubing can be repeatedly heated and pressurized, it can be steam cleaned online without frequent replacement. When it is strictly disinfected, it exhibits excellent chemical resistance and is completely unaffected by various cleaning methods.

- Long service life in peristaltic pumps
- Wide temperature range, from -59°C to 135°C
- Can withstand almost all common disinfectants and cleaning agents
- Ozone and UV resistant
- Can be heated and pressurized repeatedly
- Chemical resistance to a variety of foods and cleaning agents



Versilon™ F-5500-A \ Viton®

Versilon F-5500-A \ Viton®

Made of patented fluorine rubber, its physical and chemical properties make it an ideal choice for harsh environment hoses, such as dry cleaning cleaning fluids and solvent recovery systems, where most tubing are not suitable.

Can work continuously at temperatures up to 400°F (204°C). At the same time, the black body of the tubing can protect the transported light-sensitive materials, and will not crack and age prematurely under the influence of ozone, sunlight and bad weather.

- Can work continuously at temperatures up to 204°C
- Excellent resistance to corrosion chemicals, oils, fuels and solvents
- Resistance to ozone and sunlight, good weather resistance
- Opaque black can protect light-sensitive fluids



Tygon® F-4040-A

Tygon® F-4040-A fuel and lubricating oil delivery tube can withstand the swelling and hardening caused by hydrocarbon fluids, so it is specially designed to deliver most fuels and industrial lubricants. The application of the tubing can significantly reduce failures caused by rupture and leakage. Its extremely low precipitation can protect the conveyed fluid or steam from being mixed with impurities.

- Embrittlement resistance
- Anti-swelling
- Excellent flexibility, high flexibility, easy to install
- Specially used to transport fuel and lubricants
- Ozone and UV resistant
- Compatible with most hydrocarbons



Tygon® 2475

No plasticizers, no particles precipitated.

Good hydrophobicity, very smooth inner wall; resistant to corrosion by strong acids, strong alkalis and a variety of organic solvents.

TYD Series Laboratory Syringe Pump

Features

- Add vertical screen mode and support horizontal and vertical screen switching for more convenient display.
- Integrated design, wide-angle high-definition display.
- Multiple operational modes with smooth flow rate.
- Pre store multiple sets of data, meet high-precision control requirements.

Flow Range 0.185nL/min-173.718mL/min
Channel 1,2,4,10

Typical application

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



TYD01-01
Syringe:10μL-60mL
FlowRange:0.184nL/min-83.318mL/min



TYD01-02
Syringe:10μL-60mL
FlowRange:0.184nL/min-83.318mL/min



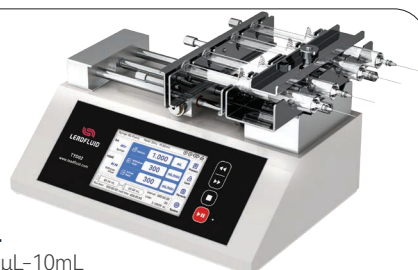
TYD03-01
Syringe:10μL-60mL
FlowRange:0.037nL/min-16.663mL/min



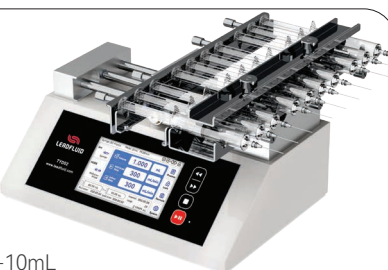
TYD02-01
Syringe:10μL-140mL
FlowRange:0.184nL/min-173.718mL/min



TYD02-02
Syringe:10μL-140mL
FlowRange:0.184nL/min-173.718mL/min



TYD02-04
Syringe:10μL-10mL
FlowRange:0.184nL/min-24.520mL/min



TYD02-10
Syringe:10μL-10mL
FlowRange:0.184nL/min-24.520mL/min

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 stall alarm

Flow Range 0.184nL/min-83.318mL/min



TGD01 Precision High Pressure Syringe Pump

Features

- Can be loaded with stainless steel syringes for high pressure or viscous liquid transmission.
- Accuracy and stability of liquid injection.
- Simple to complex programming operations can be performed without a computer.

TGD01 Flow Range 3.000pL/min-214.915mL/m



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.

TFD01-01 Flow Range 0.058nL/min(5uL)-1.587mL/min(1mL)
TFD02-01 Flow Range 0.0184nL/min(10uL)-83.318 mL/min(60mL)
TFD03-01 Flow Range 0.005nL/min(10uL)-152.456μL/min(100mL)



TFD01-01
Syringe:5μL-1mL



TFD02-01
Syringe:10uL-60mL



TFD03-01
Syringe:0.5μL-100uL





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



G3030-1S/G6060-1S
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 can 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.

G3030-1S Flow Range	0.005-250mL/min
G6060-1S Flow Range	0.0003125-1250mL/min



CT3001S/CT3000S
Basic Speed Variable Precision 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.
- External control signal control, physical isolation,analog control .
- RS485 communication, support MODBUS protocol.
- Wide range power input, adapted to different environments.

Dirve Type	Pump Head	Flow Range
CT3001S	MG204XD0PT00000	90-900mL/min
	MG209XD0PT00000	180-1800mL/min
	MG213XD0PT00000	270-2700mL/min
CT3000S	MS204XD0PT00000	90-900mL/min
	MS209XD0PT00000	180-1800mL/min
	MS213XD0PT00000	270-2700mL/min



CE CT3000S

CT3001F/CT3000F
Intelligent Dispensing Precion 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: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, suppstr MODBUS protocol

Dirve Type	Pump Head	Flow Range
CT3001F	MG204XD0PT00000	15-900mL/min
	MG209XD0PT00000	30-1800mL/min
	MG213XD0PT00000	45-2700mL/min
CT3000F	MS204XD0PT00000	15-900mL/min
	MS209XD0PT00000	30-1800mL/min
	MS213XD0PT00000	45-2700mL/min



CE CT3001F