

# LEFOO

## PERISTALTIC PUMP



### LEFOO INDUSTRIAL CO., LTD.

Add: No.118, Changda Road, Linping Street, Linping District, Hangzhou, Zhejiang, 311100 China

Mobile/WhatsApp/WeChat: +86-18268876736

Tel: +86-571-89363666 Fax: +86-571-89363678 E-mail: [kelvin@lefoo.com](mailto:kelvin@lefoo.com)

<https://www.lefoogroup.com>

LFRDB01020250319ZJYEN

High-precision Liquid Dosing and Fluid Transfer Control Peristaltic Pump

# ABOUT LEFOO

LEFOO was founded in 2000, which is a National High-tech Enterprise of R&D, manufacturing, and sales. LEFOO has been awarded "Little Giant" firms and "Specialized and Sophisticated Enterprises" by the Ministry of Industry and Information Technology of the People's Republic of China. LEFOO is an enterprise group composed of Zhejiang LEFOO Controls CO.,Ltd, LEFOO Industrial Co.,Ltd and Zhejiang LEFOO Sensing Technology Co., Ltd. LEFOO products are widely used in many fields such as environmental control, mechanical equipment, intelligent equipment, home applications, medical, power, internet of things, data center and other fields of high-end equipment supporting products.

LEFOO already passed international management system certifications of IS09001, IS016949, IS045001, IS014001, and LEFOO has passed many product certifications of CE, RoHS, FDA, NSF, UL, CSA, 3C that authorized by TUV and SGS. LEFOO has more than 130 patents in total, includes 9 patents for invention. Over the past 20 years, LEFOO's market covers more than 80 countries and regions in North America, Europe, Asia, South America, Africa, etc., and has established strategic partners with a number of international outstanding companies. "Quality & Service First, Focus on Technology & innovation", adhering to this philosophy, LEFOO will continue to do best to meet the growing market requirements, provide advanced, reliable and exquisite products and service to all of customers.



## CONTENTS

### Peristaltic Pump Series

LFP101ADB DC Motor Peristaltic Pump	Flow Range	0 ~ 2 ml / min	1
LFP101AST DC Stepper Motor Peristaltic Pump	Flow Range	0 ~ 1.4 ml/min	2
LFP101ST DC Stepper Motor Peristaltic Pump	Flow Range	1 ~ 200 ml/min	3
LFP102DB DC Motor Peristaltic Pump	Flow Range	9 ~ 100 ml/min	4
LFP102ADB DC Motor Peristaltic Pump	Flow Range	0.5 ~ 15 ml/min	5
LFP104DB DC Motor Peristaltic Pump	Flow Range	12 ~ 270 ml/min	6
LFP104BL Brushless DC Motor Peristaltic Pump	Flow Range	2 ~ 270 ml/min	7
LFP202DB DC Motor Peristaltic Pump	Flow Range	15 ~ 110 ml/min	8
LFP203DB DC Motor Peristaltic Pump	Flow Range	125 ~ 490 ml/min	9
LFP203BL Brushless DC Motor Peristaltic Pump	Flow Range	21 ~ 490 ml/min	10
LFP203ST DC Stepper Motor Peristaltic Pump	Flow Range	1 ~ 250 ml/min	11
LFP302ST DC Stepper Motor Peristaltic Pump	Flow Range	1 ~ 420 ml/min	12
LFP303DB DC Motor Peristaltic Pump	Flow Range	35 ~ 280 ml/min	13
LFP303ADB DC Motor Peristaltic Pump	Flow Range	210 ~ 730 ml/min	14
LFP401DB DC Motor Peristaltic Pump	Flow Range	825 ~ 1940 ml/min	15
LFP401ADB DC Motor Peristaltic Pump	Flow Range	1965 ~ 2900 ml/min	16
LFP401ST DC Stepper Motor Peristaltic Pump	Flow Range	10 ~ 2050 ml/min	17

LFP402DB DC Motor Peristaltic Pump	Flow Range	1965~4200ml/min	18
LFP402ST DC Stepper Motor Peristaltic Pump	Flow Range	10~2350ml/min	19
LFP403DB DC Motor Peristaltic Pump	Flow Range	825~1940ml/min	20
LFP403ST DC Stepper Motor Peristaltic Pump	Flow Range	10~2050ml/min	21
LFP404DB DC Motor Peristaltic Pump	Flow Range	1965~4200ml/min	22
LFP404ST DC Stepper Motor Peristaltic Pump	Flow Range	10~2350ml/min	23
LFP501DB DC Motor Peristaltic Pump	Flow Range	990~2800ml/min	24
LFP501ST DC Stepper Motor Peristaltic Pump	Flow Range	10~1600ml/min	25
LFP601DB DC Motor Peristaltic Pump	Flow Range	330~4200ml/min	26
LFP601ST DC Stepper Motor Peristaltic Pump	Flow Range	10~2050ml/min	27

### Peristaltic Pump System Series

LFPC101ST Adjustable Speed DC Stepper Motor Peristaltic Pump System	Flow Range	3~200ml/min	28
LFPC104DB Adjustable Speed DC Motor Peristaltic Pump System	Flow Range	3~185ml/min	29
LFPC104BL Adjustable Speed Brushless DC Motor Peristaltic Pump System	Flow Range	2~185ml/min	30
LFPC203DB Adjustable Speed DC Motor Peristaltic Pump System	Flow Range	40~490ml/min	31
LFPC203BL Adjustable Speed Brushless DC Motor Peristaltic Pump System	Flow Range	21~490ml/min	32
LFPC302ST Multi-functional Peristaltic Pump	Flow Range	25~500ml/min	33

### Accessories

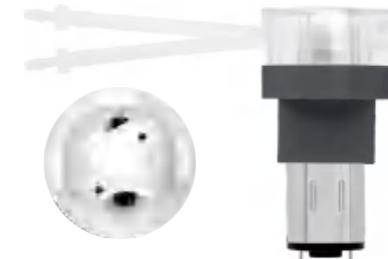
Driver	34
Tube	36
Connector	38
Chemical Resistance of Tube	40

### LFP101A/DB DC Motor Peristaltic Pump

Color X6

#### FEATURES

- Micro flow rate design
- Compact structure, mini size, light weight, fine workmanship
- Low noise, smooth running, suitable for gap operation
- Installation method can be customized



#### APPLICATION INDUSTRY



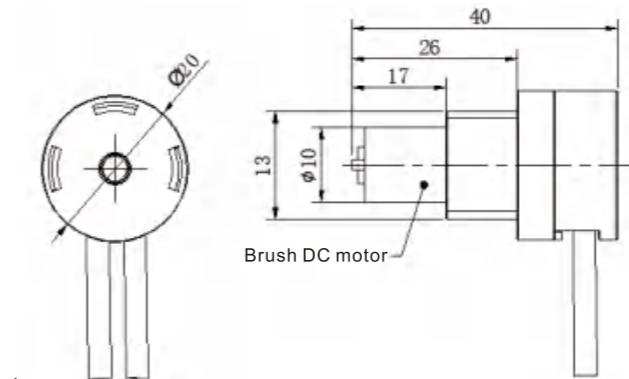
#### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P101ADB	Rubber mounting plate (optional)	Micro brush reduction motor	Power-on operation	Fixed flow rate	DC3V, DC6V, DC12V	≤2W	13g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers

#### FLOW RATE: ml/min

Voltage	Flow Range		Tube Type	
	0~0.3			
	0.3~1.2			
	0.6~2	1.5~2.5		
DC3V, DC6V, DC12V			BPT Tube/Silicone Tube	

#### MOUNTING DIMENSION: mm



#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP101A/ST DC Stepper Motor Peristaltic Pump

Color X6

## FEATURES

- Micro flow rate design
- Compact structure, mini size, light weight, fine workmanship
- Low noise, smooth running, suitable for gap operation
- Installation method can be customized
- Support PWM speed regulation



## APPLICATION INSUSTRY



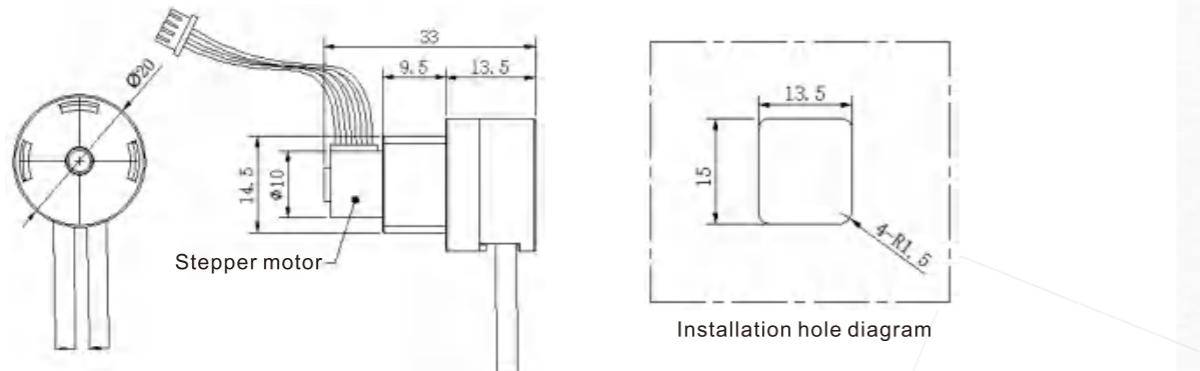
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P101AST	Rubber mounting plate (optional)	Micro stepper motor	Drive control (Optional with Driver PLC control)	Precise adjustable flow control	DC5V	≤2W	13.8g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC5V	0~0.2	0.5*1.5	BPT Tube/Silicone Tube
	0.06~0.7	1*2	
	0.1~1.4	1.5*2.5	

## MOUNTING DIMENSION: mm



## Remark

- 1.The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature,inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP101/ST DC Stepper Motor Peristaltic Pump

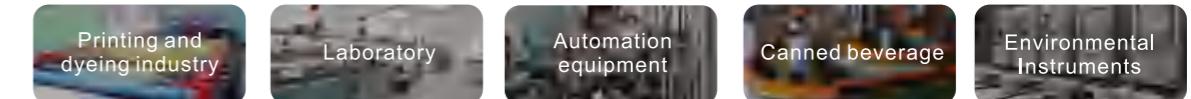
Color X2

## FEATURES

- Support PLC control, RS485 communication
- Real-time start and stop, adjustable speed
- Positive and negative rotation
- Low noise, quiet and stable
- Installation method can be customized



## APPLICATION INSUSTRY



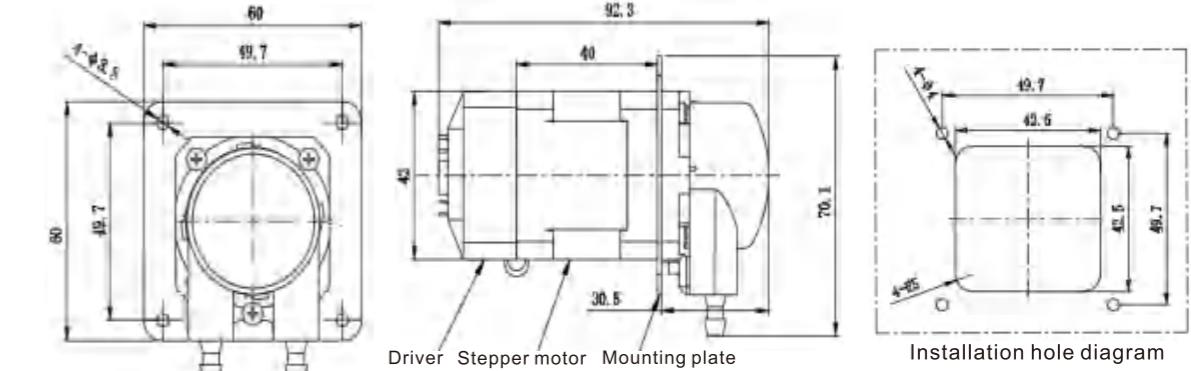
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P101ST	Stainless steel mounting plate as standard (customizable)	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤12W	375g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers (3 or 6 rollers are available)

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	1~16	1*3	BPT Tube/Silicone Tube
	1~32	14#	
	1~65	2*4	
	1~120	3*5	
	1~130	16#	
	1~200	4*6	

## MOUNTING DIMENSION: mm



## Remark

- 1.The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature,inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP102/DB DC Motor Peristaltic Pump

Color X6



## FEATURES

- High precision, high stability
- Low noise, quiet and stable
- Long life, small size
- Easy tube replacement without tools

## APPLICATION INSUSTRY



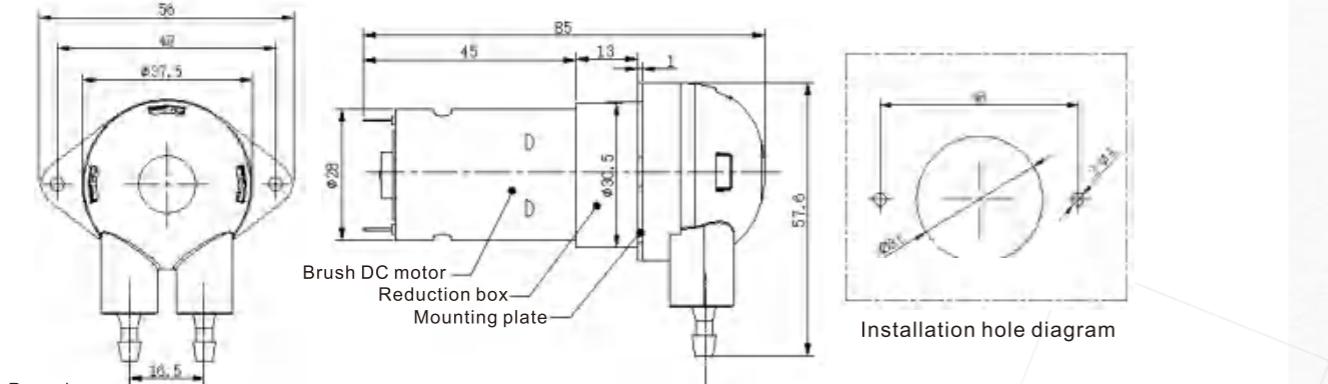
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P102DB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤5W	108g	Temperature 0-45°C, Relative Humidity <85%RH	Standard with 3 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	9~25	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	25~55	2*4	
	55~100	3*5	

## MOUNTING DIMENSION: mm



## Remark

- 1.The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature,inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP102A/DB DC Motor Peristaltic Pump

Color X6



## FEATURES

- High precision, high stability
- Low noise, quiet and stable
- Long life, small size
- Easy tube replacement without tools

## APPLICATION INSUSTRY



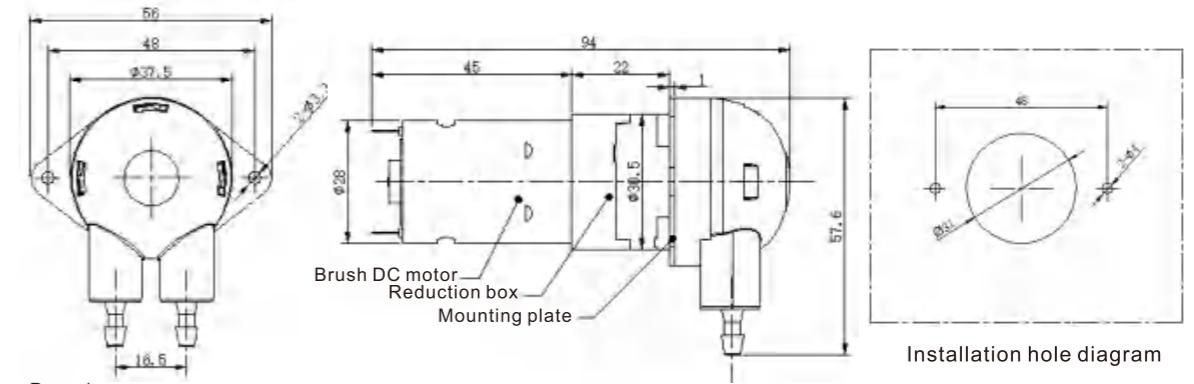
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P102ADB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤5W	114g	Temperature 0-45°C, Relative Humidity <85%RH	Standard with 3 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	0.5~2	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	2~6	2*4	
	4~15	3*5	

## MOUNTING DIMENSION: mm



## Remark

- 1.The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature,inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

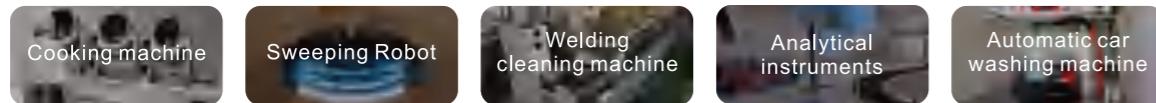
## LFP104/DB DC Motor Peristaltic Pump



## FEATURES

- Ultra-low noise, suitable for various environments
- Planetary reduction transmission, stable speed
- Anti-reversal and fall-off design
- Easy replacement without required

## APPLICATION INSUSTRY



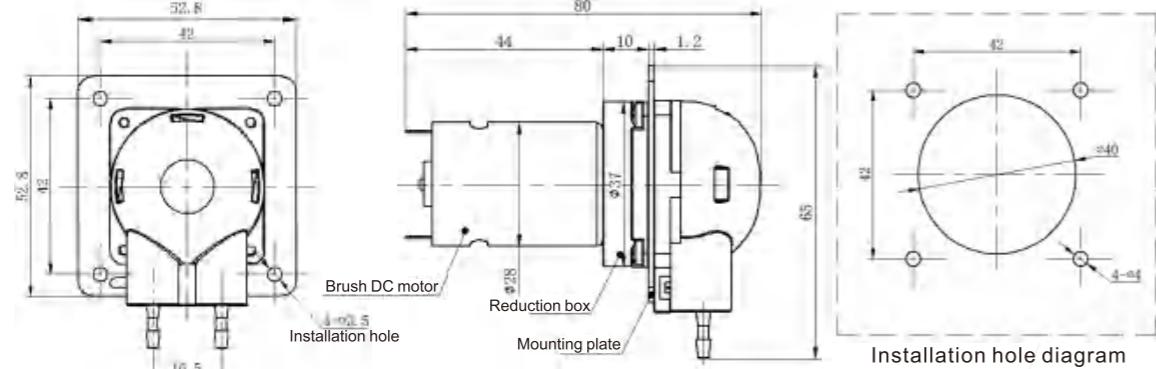
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P104DB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤8W	114g	Temperature 0-45°C, Relative Humidity <85%RH	Standard with 3 rollers

FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	12~35	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	40~106	2*4	
	80~190	3*5	
	160~270	4*6	

**MOUNTING DIMENSION: mm**



**Remark**  
1. The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.  
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

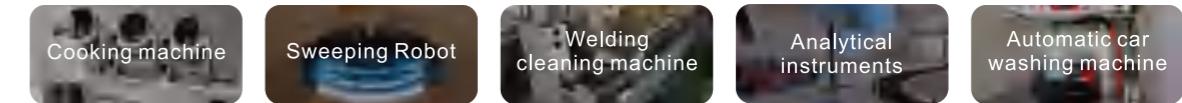
LFP104/BL Brushless DC Motor Peristaltic Pump



## FEATURES

- Brushless motor control, more stable flow
- Low speed, small size, large flow
- Hidden reduction box, compact structure
- Snap-fit fixed, high maintainability

## APPLICATION INSUSTRY



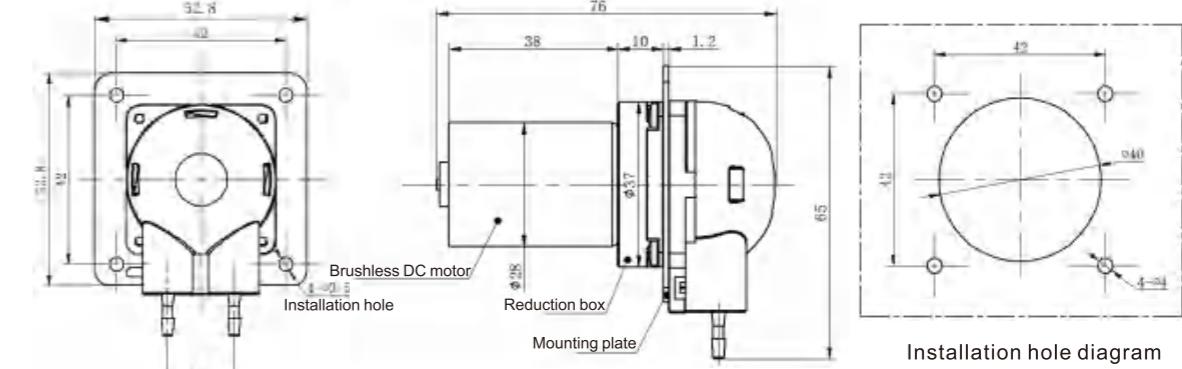
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P104BL	Stainless steel mounting plate as standard (customizable)	Brushless DC motor	Driver control (Optional with PLC control)	Precise adjustable flow control	DC24V	≤8W	110g	Temperature 0-45°C, Relative Humidity <85%RH	Standard with 3 rollers

FLOW RATE: ml/min

FLOW RATE: ml/min			
Voltage	Flow Range	Tube Size	Tube Type
DC24V	2~23	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	4~97	2*4	
	8~185	3*5	
	12~270	4*6	

**MOUNTING DIMENSION: mm**



**Remark** 1. The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.  
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.





## LFP302/ST DC Stepper Motor Peristaltic Pump

Color X6

## FEATURES

- Convenient to start and stop, adjustable speed, positive reverse
- Low noise, quiet and stable
- Support PLC control, 485 Communication
- Installation method can be customized



## APPLICATION INSUSTRY



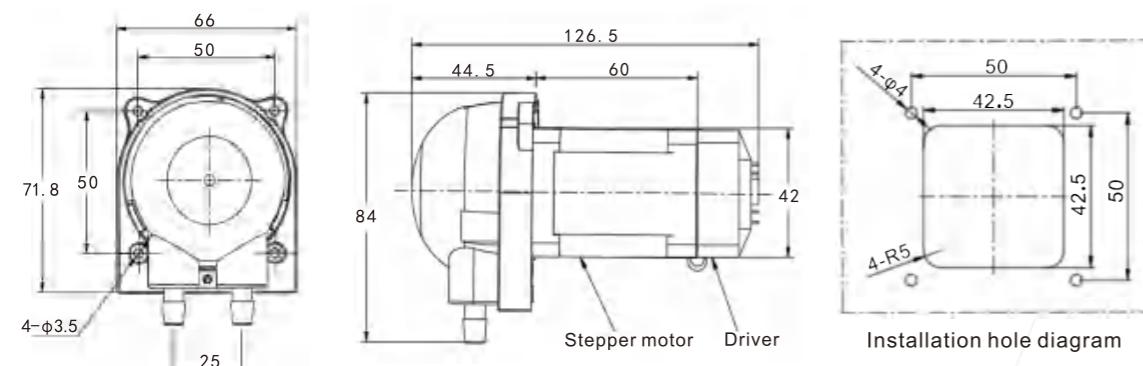
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P302ST	Built-in mounting hole	Stepper motor	Driver control (Option with Driver and PLC control)	Precise adjustable flow control	DC24V	≤12W	640g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+2 training wheels(4 rollers are available)

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	1~160	16#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	1~330	25#	
	1~420	17#	

## MOUNTING DIMENSION: mm



Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP303/DB DC Motor Peristaltic Pump

Color X6

## FEATURES

- High precision, high stability
- Low noise, suitable for home use
- Long life, durable
- Easy tube replacement without tools



## APPLICATION INSUSTRY



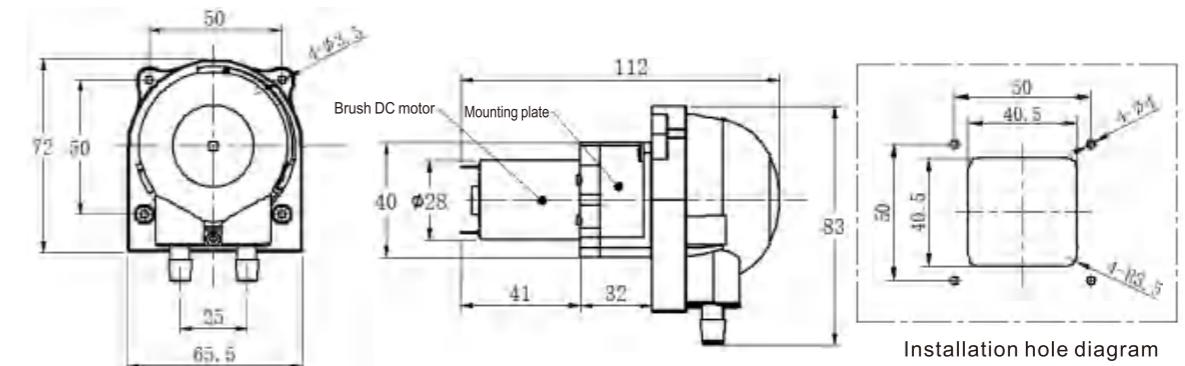
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P303DB	Built-in mounting hole	Brush DC motor	Power-on operation	Fixed flow rate	DC12V, DC24V	≤8W	170g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+2 training wheels(4 rollers are available)

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V, DC24V	35~80	16#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	70~190	25#	
	100~280	17#	

## MOUNTING DIMENSION: mm



Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.



## LFP401A/DB DC Motor Peristaltic Pump

Color X6

## FEATURES

- High precision, high stability
- Low noise, suitable for home use
- Long life, durable
- Easy tube replacement without tools



## APPLICATION INSUSTRY



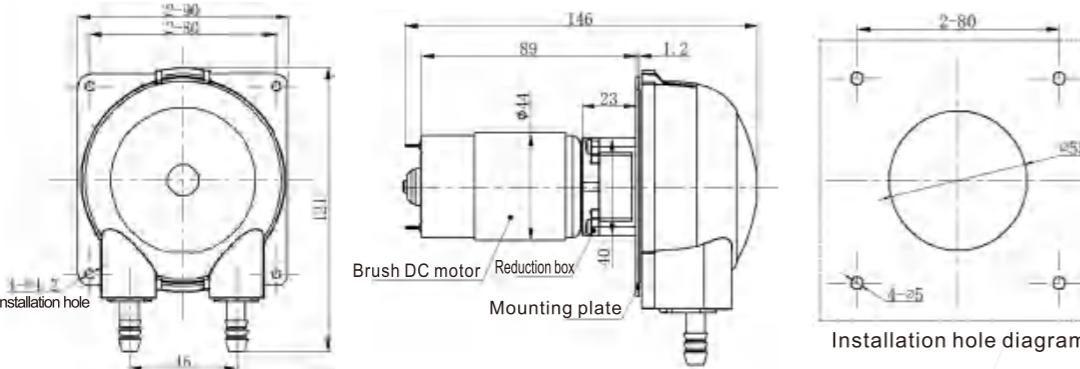
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P401ADB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V, DC24V	≤24W	600g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V, DC24V	1965~2900	18#	BPT Tube/Silicone Tube/A60-F/Viton Tube

## MOUNTING DIMENSION: mm



## LFP401/ST DC Stepper Motor Peristaltic Pump

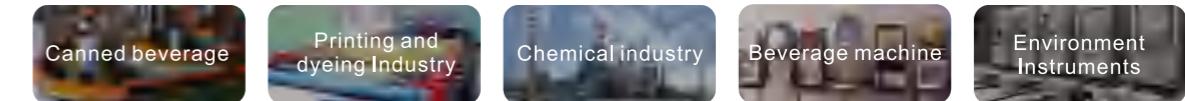
Color X6

## FEATURES

- Support PLC control, RS485 communication
- Real-time start and stop, adjustable speed
- Positive and negative rotation
- Low noise, quiet and stable
- Installation method can be customized



## APPLICATION INSUSTRY



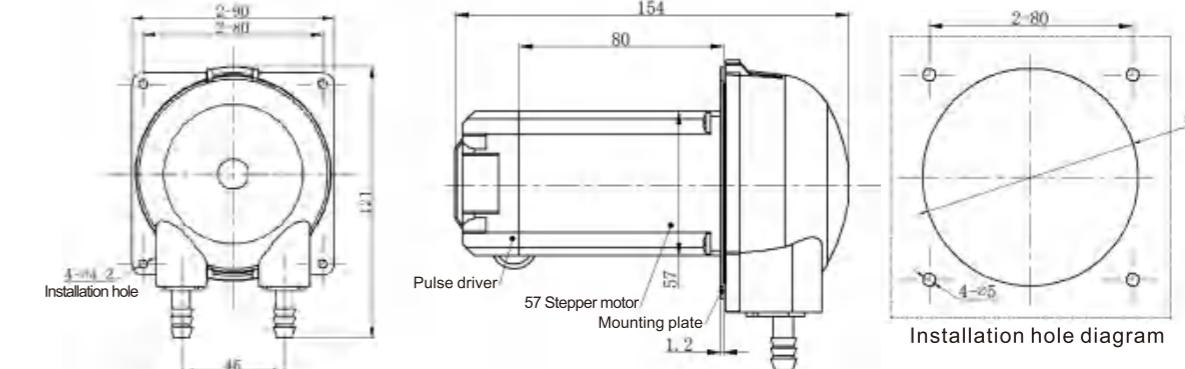
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P401ST	Stainless steel mounting plate as standard (customizable)	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤24W	1350g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	10~850	25#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~1400	17#	
	10~2050	18#	

## MOUNTING DIMENSION: mm



## LFP402/DB DC Motor Peristaltic Pump

Color X6

## FEATURES

- Large flow
- Low noise
- Long life
- Can transport viscous media in large quantities



## APPLICATION INSUSTRY



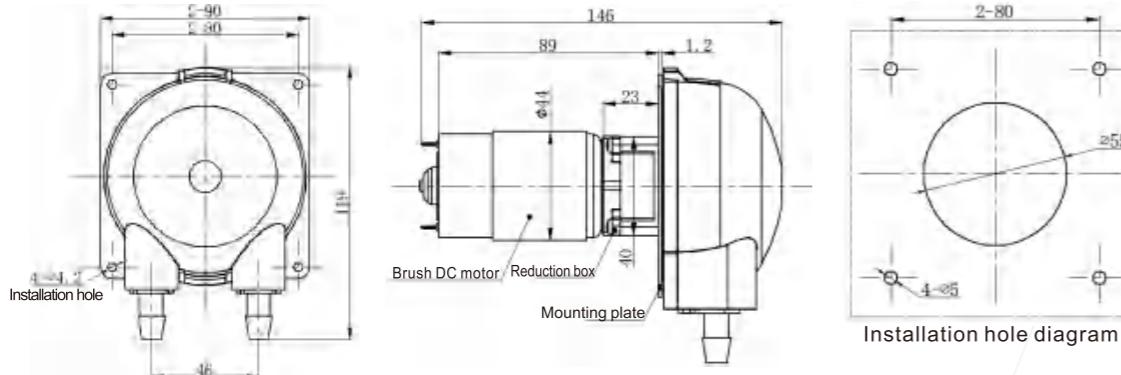
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P402DB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤36W	630g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	1965~2900	35#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	2800~4200	36#	

## MOUNTING DIMENSION: mm



Remark  
1. The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.  
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP402/ST DC Stepper Motor Peristaltic Pump

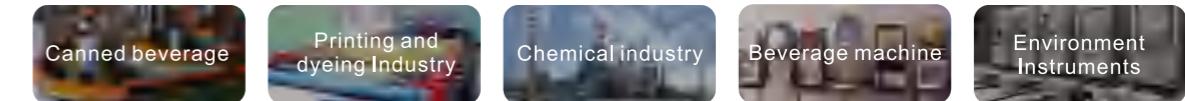
Color X6

## FEATURES

- Support PLC control, RS485 communication
- Real-time start and stop, adjustable speed
- Positive and negative rotation
- Low noise, quiet and stable
- Installation method can be customized



## APPLICATION INSUSTRY



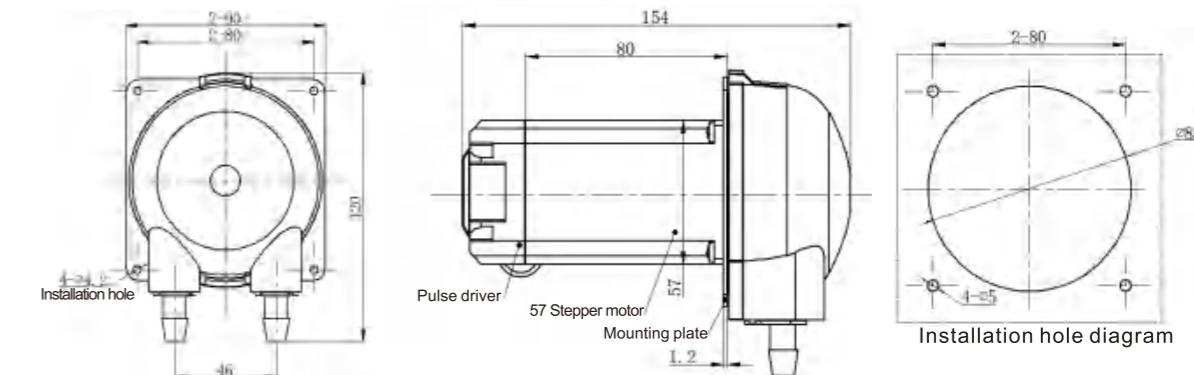
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P402ST	Stainless steel mounting plate as standard (customizable)	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤24W	1400g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	10~1900	35#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~2350	36#	

## MOUNTING DIMENSION: mm



Remark  
1. The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.  
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP403/DB DC Motor Peristaltic Pump

Color X6

## FEATURES

- High precision, high stability
- Low noise, suitable for home use
- Long life, durable
- Easy tube replacement without tools



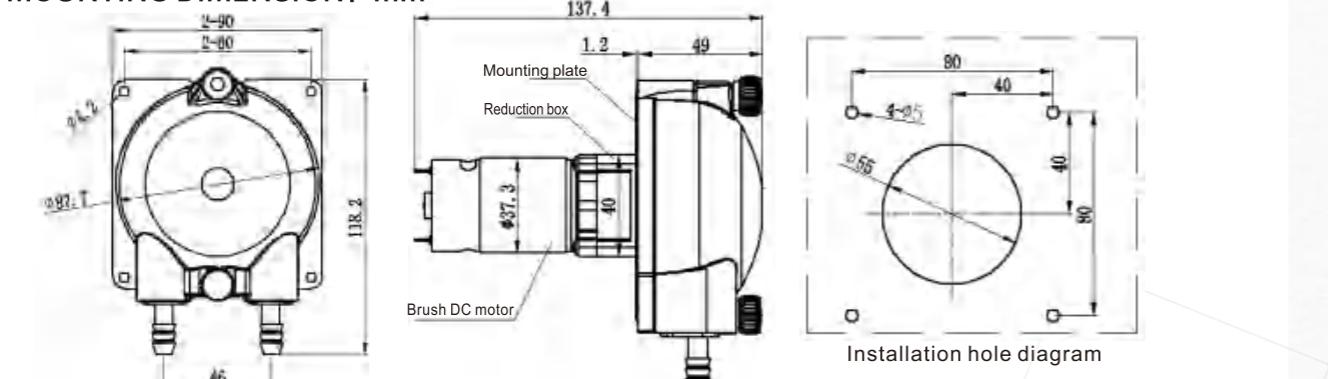
## APPLICATION INSUSTRY



SPECIFICATIONS									
Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P403DB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤24W	460g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

FLOW RATE: ml/min			
Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	825~1220	25#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	1320~1940	17#	

## MOUNTING DIMENSION: mm



## Remark

- 1.The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature,inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP403/ST DC Stepper Motor Peristaltic Pump

Color X6

## FEATURES

- Support PLC control, RS485 communication
- Real-time start and stop, adjustable speed
- Positive and negative rotation
- Low noise, quiet and stable
- Installation method can be customized



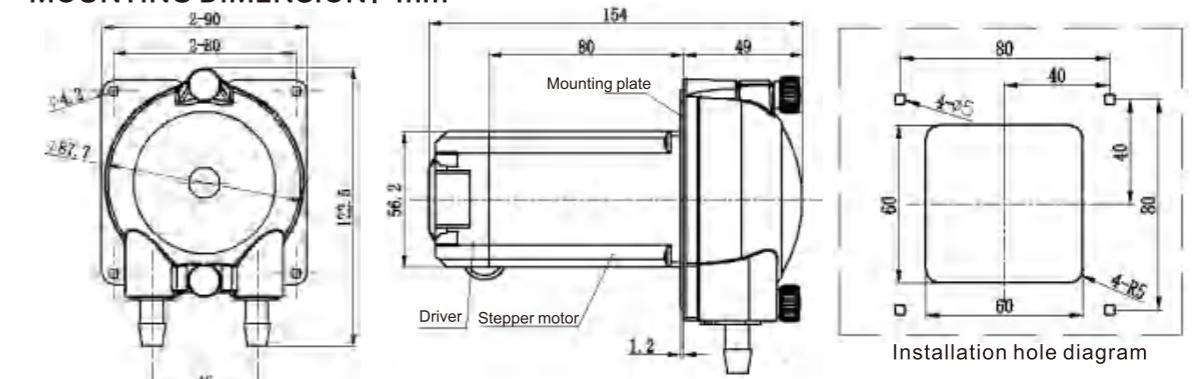
## APPLICATION INSUSTRY



SPECIFICATIONS									
Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P403ST	Stainless steel mounting plate as standard (customizable)	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤24W	1350g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

FLOW RATE: ml/min			
Voltage	Flow Range	Tube Size	Tube Type
DC24V	10~850	25#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~1400	17#	
	10~2050	18#	

## MOUNTING DIMENSION: mm



## Remark

- 1.The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
2. Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature,inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

**LFP404/DB DC Motor Peristaltic Pump**

Color X6

**FEATURES**

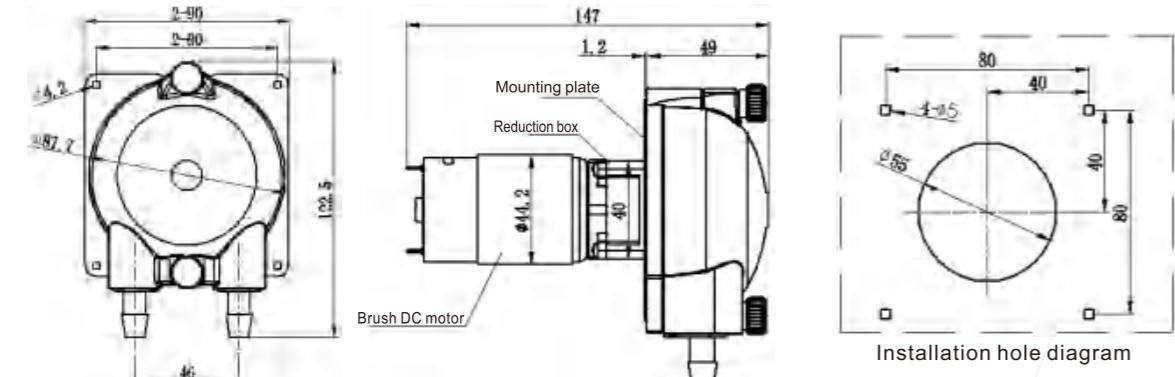
- Large flow
- Low noise
- Long life
- Can transport viscous media in large quantities

**APPLICATION INSUSTRY****SPECIFICATIONS**

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P404DB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤36W	650g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

**FLOW RATE: ml/min**

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	1965~2900	35#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	2800~4200	36#	

**MOUNTING DIMENSION: mm****LFP404/ST DC Stepper Motor Peristaltic Pump**

Color X6

**FEATURES**

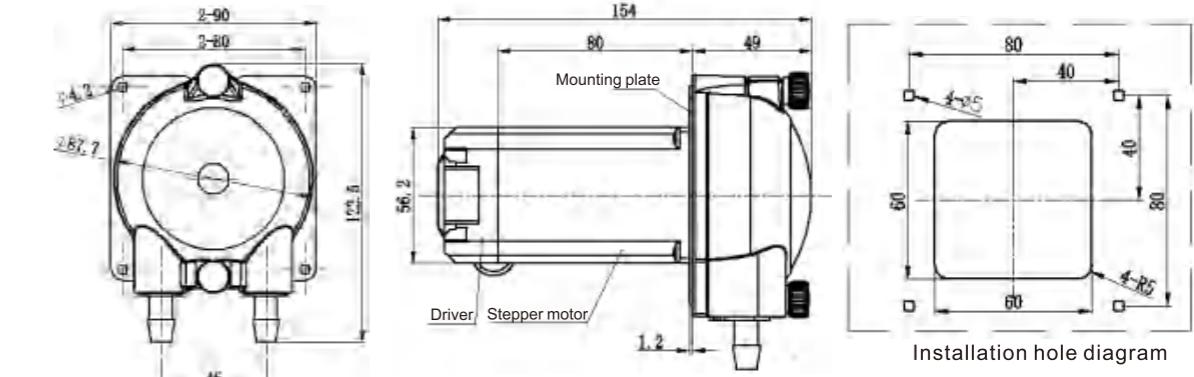
- Support PLC control, RS485 communication
- Real-time start and stop, adjustable speed
- Positive and negative rotation
- Low noise, quiet and stable
- Installation method can be customized

**APPLICATION INSUSTRY****SPECIFICATIONS**

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P404ST	Stainless steel mounting plate as standard (customizable)	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤24W	1400g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+ 2 training wheels

**FLOW RATE: ml/min**

Voltage	Flow Range	Tube Size	Tube Type
DC24V	10~1900	35#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~2350	36#	

**MOUNTING DIMENSION: mm**

## LFP501/DB DC Motor Peristaltic Pump

Color X6

## FEATURES

- High precision, long lifetime, durable
- Straight tube installation method to avoid residual stains (straight, U-shaped, L-shaped are available)
- Waterproof pump head prevents water from entering the motor
- Whole detachable pump head, convenient for tube replacement and maintenance
- Low noise, smooth operation, fine-tunable pressure tube to avoid dripping



## APPLICATION INSUSTRY



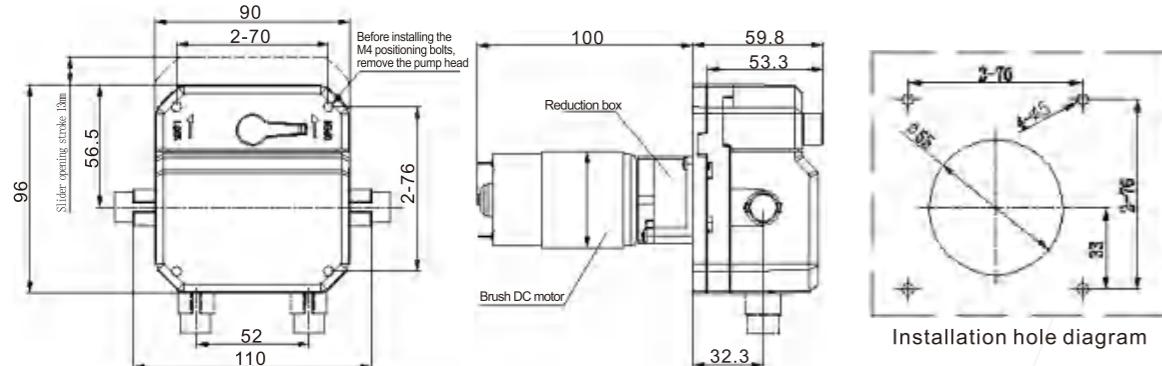
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P501DB	Built-in mounting hole	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤24W	640g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 3 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	990~1600	24#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	1480~2550	35#	
	1800~2800	36#	

## MOUNTING DIMENSION: mm



## LFP501/ST Stepper Motor Peristaltic Pump

Color X6

## FEATURES

- High precision, long lifetime, durable
- Straight tube installation method to avoid residual stains (straight, U-shaped, L-shaped are available)
- Waterproof pump head prevents water from entering the motor
- Whole detachable pump head, convenient for tube replacement and maintenance
- Low noise, smooth operation, fine-tunable pressure tube to avoid dripping
- Support PLC control, 485 Communication



## APPLICATION INSUSTRY



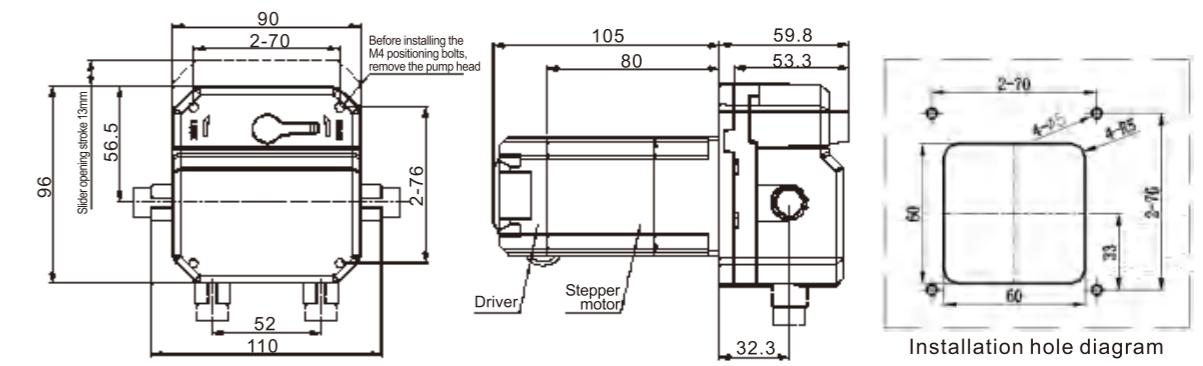
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P501ST	Built-in mounting hole	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤24W	1430g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 3 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	10~780	24#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~1260	35#	
	10~1600	36#	

## MOUNTING DIMENSION: mm



## LFP601/DB DC Motor Peristaltic Pump

Color X6

## FEATURES

- The pump head with new quick disassembly and assembly structure, stable and reliable, convenient to repair and maintain
- Compact structure, single pump takes up less space
- Compatible to multiple specifications of tubes, covering a wide range of flow rates
- Transparent pump cover allows for real-time monitoring of pump operation
- Installation method can be customized



## APPLICATION INSUSTRY



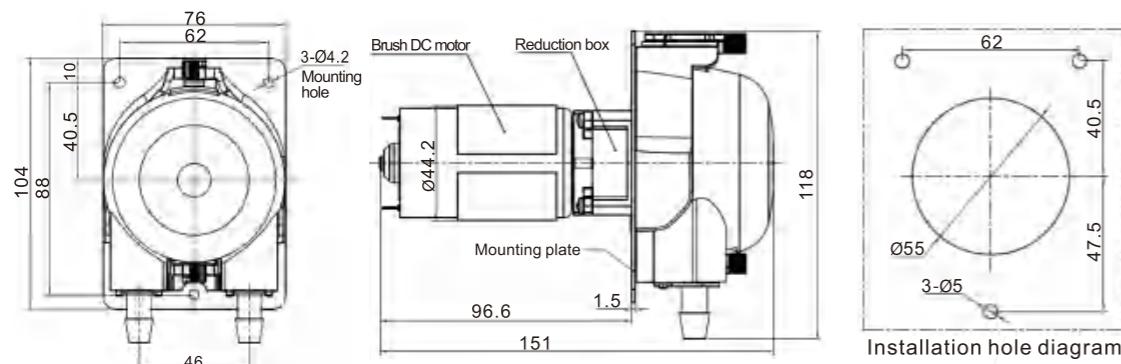
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P601DB	Stainless steel mounting plate as standard (customizable)	Brush DC motor	Power-on operation	Fixed flow rate	DC12V、DC24V	≤32W	670g	Temperature 0-45°C, Relative Humidity <85%RH	Standard with 3 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC12V、DC24V	330~1915	26#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	560~2930	35#	
	725~4200	36#	

## MOUNTING DIMENSION: mm



## Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFP601/ST DC Stepper Motor Peristaltic Pump

Color X6

## FEATURES

- Convenient to start and stop, adjustable speed, positive reverse
- High precision, low noise, quiet and stable
- Support PLC control, 485 Communication
- Installation method can be customized



## APPLICATION INSUSTRY



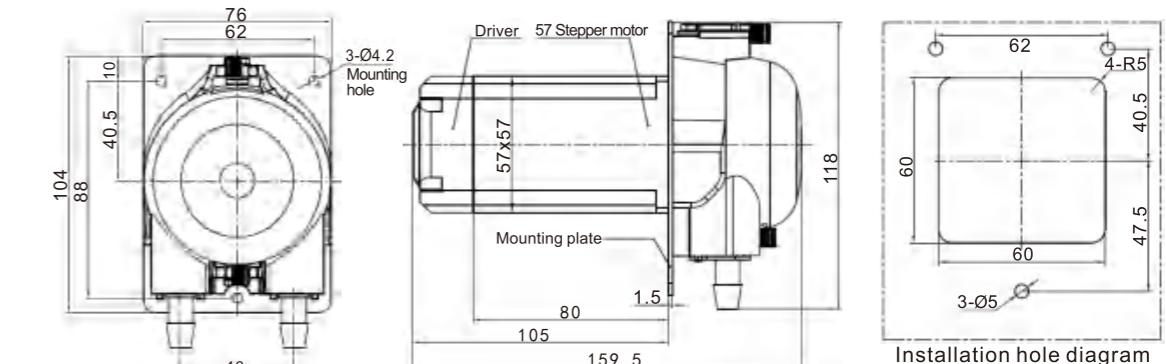
## SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
P601ST	Stainless steel mounting plate as standard (customizable)	Stepper motor	Driver control (Optional with Driver PLC control)	Precise adjustable flow control	DC24V	≤24W	1470g	Temperature 0-45°C, Relative Humidity <85%RH	Standard with 3 rollers

## FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	10~920	26#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~1450	35#	
	10~2050	36#	

## MOUNTING DIMENSION: mm



## Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

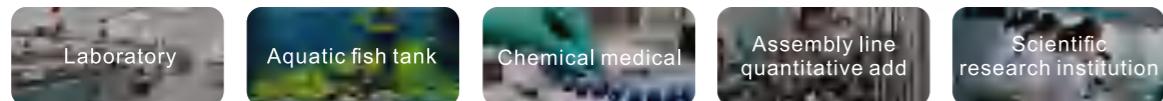
## LFPC101/ST Adjustable Speed DC Stepper Motor Peristaltic Pump System

### FEATURES

- Adopt stepper motor, high reliability
- Low noise, exemption of maintenance
- High accuracy and long time running ability
- Support PWM speed control



### APPLICATION INSUSTRY



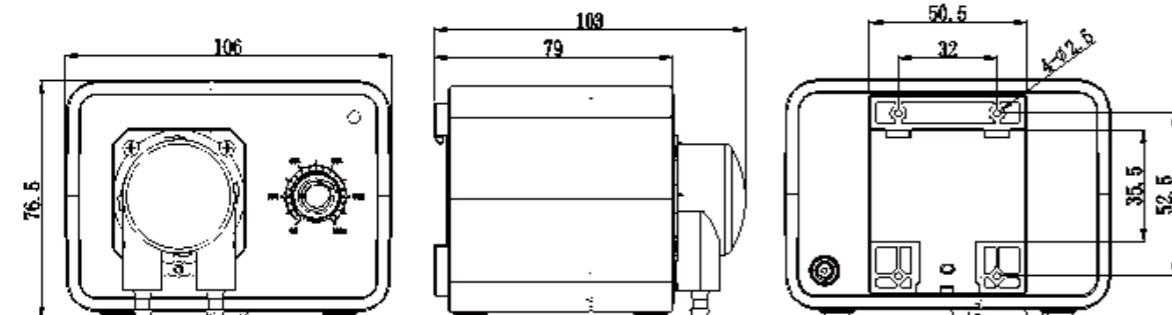
### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
PC101ST	Table type, Wall type	Stepper Motor	Driver Control	Precise adjustable flow control	DC24V	≤12W	410g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 Rollers(3 Rollers, 6 Rollers are available)

### FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	3~18	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~60	2*4	
	20~140	3*5	
	30~200	4*6	

### MOUNTING DIMENSION: mm



#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

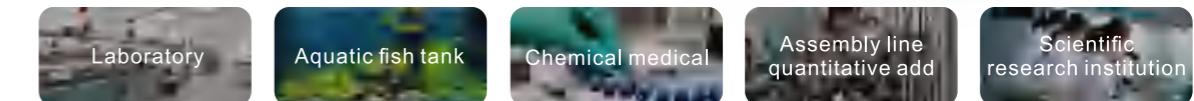
## LFPC104/DB Adjustable Speed DC Motor Peristaltic Pump System

### FEATURES

- Convenient and quick tube replacement
- Simple structure, exemption of maintenance
- Adjustable run speed



### APPLICATION INSUSTRY



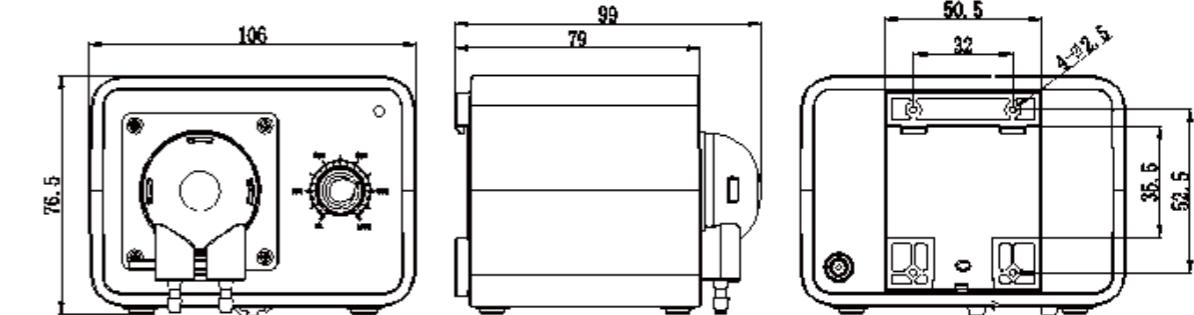
### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
PC104DB	Table type, Wall type	Brush DC motor	Driver Control	Precise adjustable flow control	DC24V	≤6W	265g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 3 rollers

### FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	3~30	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	10~115	2*4	
	20~185	3*5	

### MOUNTING DIMENSION: mm



#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

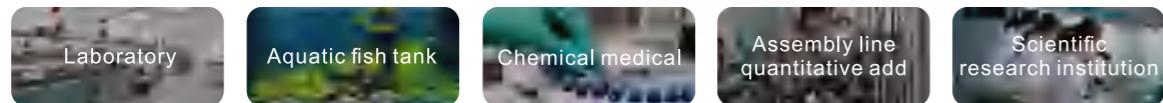
## LFPC104/BL Adjustable Speed Brushless DC Motor Peristaltic Pump

### FEATURES

- Adopt brushless motor, super long lifespan
- Simple structure, exemption of maintenance
- Adjustable run speed



### APPLICATION INSUSTRY



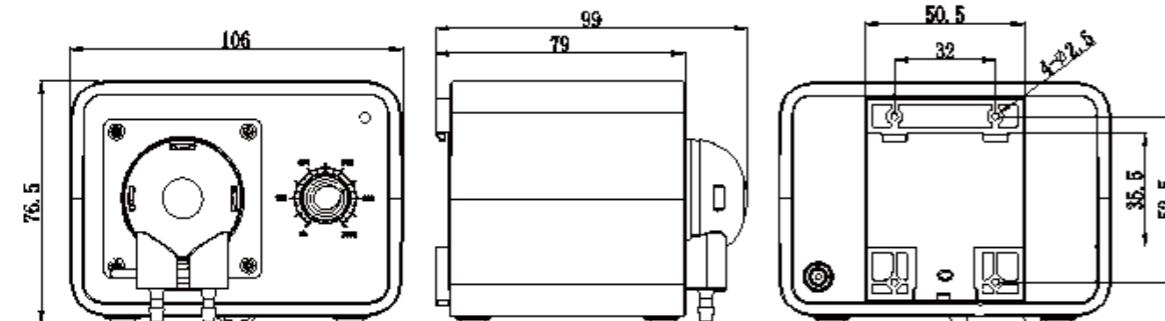
### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
PC104BL	Table type, Wall type	Brushless DC Motor	Driver Control	Precise adjustable flow control	DC24V	≤8W	270g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 3 rollers

### FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	2~23	1*3	BPT Tube/Silicone Tube/A60-F/Viton Tube
	4~97	2*4	
	8~185	3*5	

### MOUNTING DIMENSION: mm



#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFPC203/DB Adjustable Speed DC Motor Peristaltic Pump System

### FEATURES

- Adopt DC motor, high cost-effective
- Simple structure, exemption of maintenance
- Adjustable run speed
- Small volume, large flow rate



### APPLICATION INSUSTRY



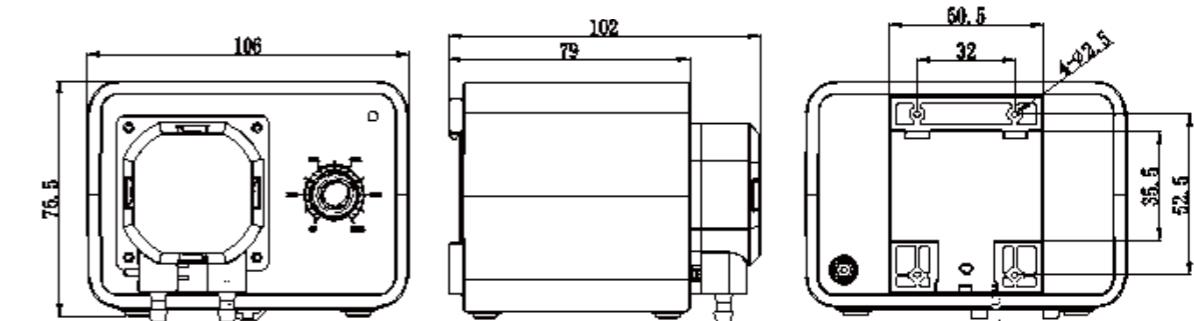
### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
PC203DB	Table type, Wall type	Brush DC motor	Driver Control	Precise adjustable flow control	DC24V	≤8W	322g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 Rollers (4 Rollers are available)

### FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	40~255	3*5	BPT Tube/Silicone Tube/A60-F/Viton Tube
	45~280	16#	
	50~490	4*6	

### MOUNTING DIMENSION: mm



#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

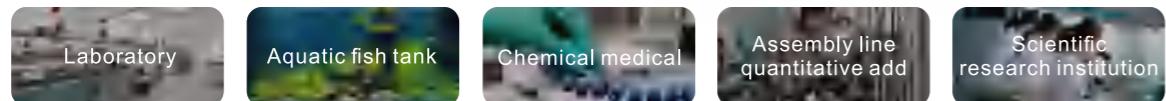
## LFPC203/BL Adjustable Speed Brushless DC Motor Peristaltic Pump

### FEATURES

- Adopt brushless motor, super long lifespan
- Simple structure, exemption of maintenance
- Adjustable run speed
- Small volume, large flow rate



### APPLICATION INSUSTRY



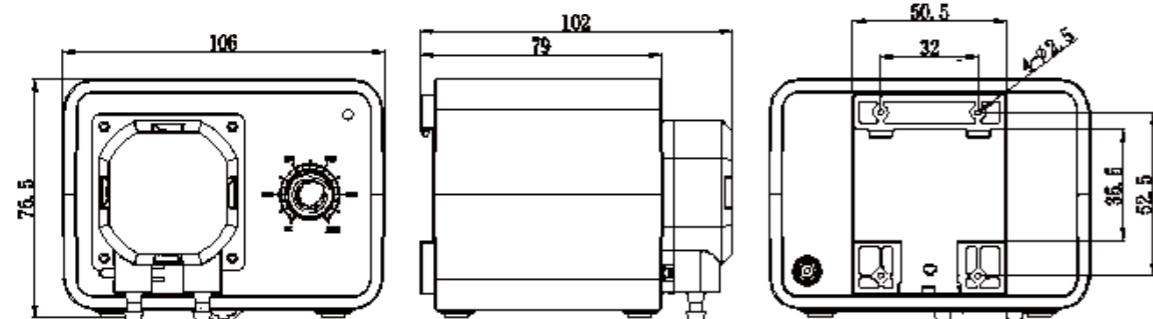
### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
PC203BL	Table type, Wall type	Brushless DC Motor	Driver Control	Precise adjustable flow control	DC24V	≤8W	322g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 Rollers (4 Rollers are available)

### FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	21~300	3*5	BPT Tube/Silicone Tube/A60-F/Viton Tube
	33~320	16#	
	50~490	4*6	

### MOUNTING DIMENSION: mm



#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## LFPC302/ST Multi-functional Peristaltic Pump

### FEATURES

- Adopt stepping motor plus customized control module for precise control, high precision, long life
- 2 inch color display screen shows the instant configuration data of the pump
- Support functions such as start-stop, direction change, calibration (different media), speed regulation, fixed quantity dispensing, fixed quantity dispensing at a set time, timing, reverse suction, etc
- Support three operation modes, namely fully automatic cycle, semi-automatic cycle, and manual operation. It also supports the replacement of three configured pump head components



### APPLICATION INSUSTRY



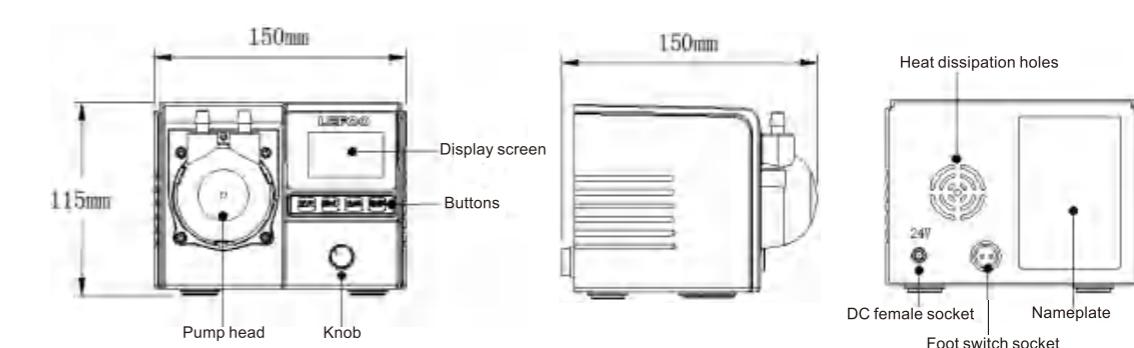
### SPECIFICATIONS

Model	Installation Method	Motor Type	Control Method	Function	Working Voltage	Power	Weight	Working Environment	Rollers
PC302ST	Table type	Stepper motor	Driver Control	Precise adjustable flow control	DC24V	≤20W	983g	Temperature 0~45°C, Relative Humidity <85%RH	Standard with 2 rollers+2 training wheels(4 rollers are available)

### FLOW RATE: ml/min

Voltage	Flow Range	Tube Size	Tube Type
DC24V	25~180	16#	BPT Tube/Silicone Tube/A60-F/Viton Tube
	33~320	25#	
	50~500	17#	

### MOUNTING DIMENSION: mm



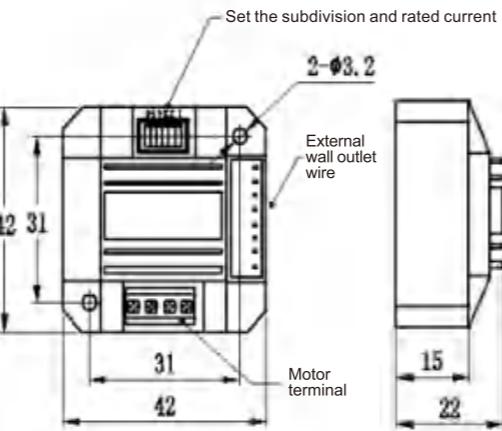
#### Remark

- The above flow parameters are tested under the conditions of room temperature 23°C, standard atmospheric pressure, clean water, suction lift 0.2m, lift 0, and no pressure. For reference only.
- Pump flow rate can be affected by viscosity, density, medium temperature, ambient temperature, inlet and outlet pressure, suction lift and lift of pump. To ensure the accuracy of the pump, it is necessary to keep the above factors without significant changes.

## Type 42 Driver

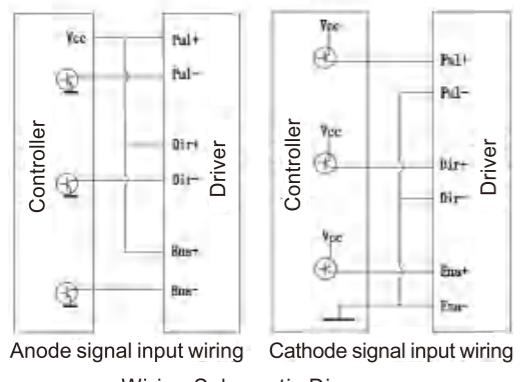
### Performance Characteristics

- Compact structure, small size and complete functions
- Suitable for driving Type 42 stepper motors. Can be fixedly installed at the tail of Type 42 stepper motors to form an integrated product, or it can be used independently
- Can be matched with two-phase 4-6-and 8-wire stepper motors
- The subdivision and rated current can be changed according to requirements
- Three types of drivers with different functions for users to choose from: 42 pulse type, 42 communication type and 42 voltage type available

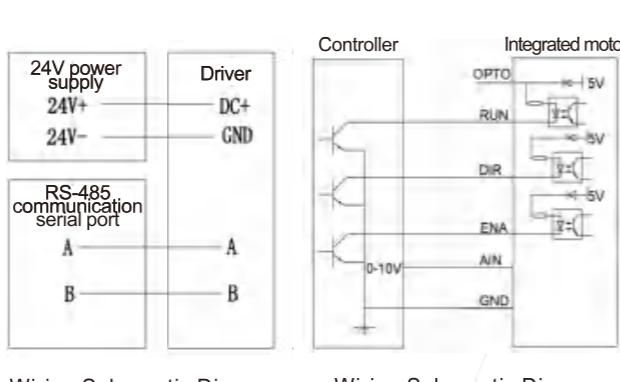


SPECIFICATIONS			
Product Model	42 Pulse Type	42 Communication Type	42 Voltage Type
Function	Start and stop, Positive and negative rotation, PWM pulse signal speed regulation	MODBUS data control for start and stop, positive and negative rotation rotation, speed regulation (external voltage control)	Start and stop, Positive and negative rotation, speed regulation (external voltage control)
Compatible Motor	42-type Stepper Motor		
Speed Regulation Range	0-500RPM		
Weight	34g		
Voltage	DC24V		
Power	≤15W		
Working Environment	Temperature is usually within 60°C, and the motor operating temperature is within 80°C		

### Wiring Schematic Diagram



Wiring Schematic Diagram  
for The Pulse Type of 42 Driver



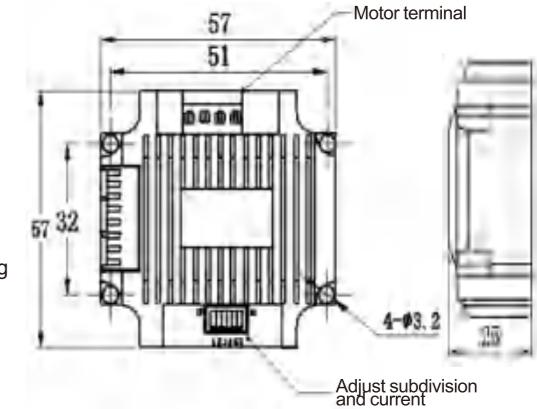
Wiring Schematic Diagram  
of Type 42 RS-485

Wiring Schematic Diagram  
of the Voltage Type for 42 Driver

## Type 57 Driver

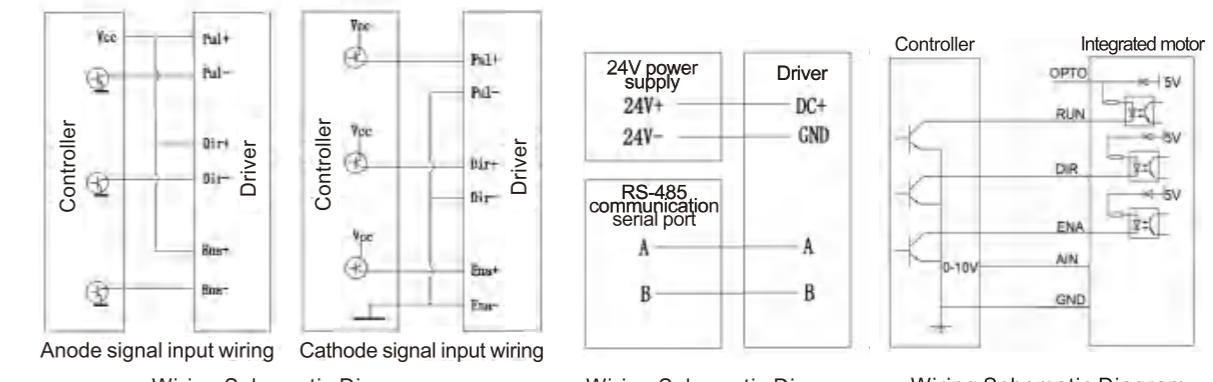
### Performance Characteristics

- Compact structure, small size and complete functions
- Suitable for driving Type 57 stepper motors. Can be fixedly installed at the tail of Type 57 stepper motors to form an integrated product, or it can be used independently
- Can be matched with two-phase 4-6-and 8-wire stepper motors
- The subdivision and rated current can be changed according to requirements
- Three types of drivers with different functions for users to choose from: 57 pulse type, 57 communication type and 57 voltage type available

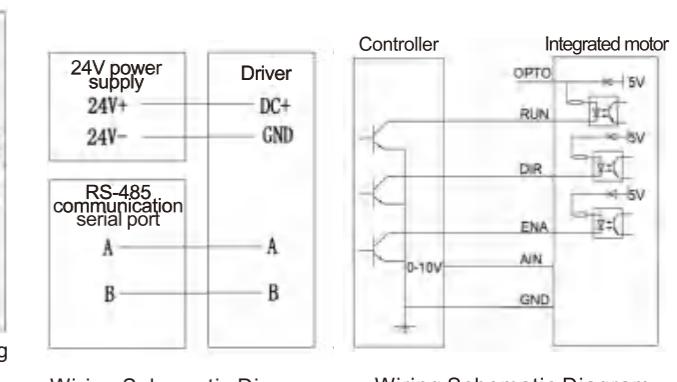


SPECIFICATIONS			
Product Model	57 Pulse Type	57 Communication Type	57 Voltage Type
Function	Start and stop, Positive and negative rotation, PWM pulse signal speed regulation	MODBUS data control for start and stop, positive and negative rotation rotation, speed regulation (external voltage control)	Start and stop, Positive and negative rotation, speed regulation (external voltage control)
Compatible Motor	57-type Stepper Motor		
Speed Regulation Range	0-500RPM		
Weight	60g		
Voltage	DC24V		
Power	≤30W		
Working Environment	Temperature is usually within 60°C, and the motor operating temperature is within 80°C		

### Wiring Schematic Diagram



Wiring Schematic Diagram  
for The Pulse Type of 57 Driver



Wiring Schematic Diagram  
of Type 57 RS-485

Wiring Schematic Diagram  
of the Voltage Type for 57 Driver

## Tube Series

Pump Tube Performance Parameters					
Pictures					
Tube Material	Platinum-cured silicone tube	BPT tube	A-60-F tube	A-60-G tube	Viton Fluorine tube
Hardness	Shore 50A - 60A	Shore 55A - 70A	Shore 55A - 70A	Shore 55A - 70A	Shore 55A - 65A
Temperature resistance	-60°C~200°C	-50°C~135°C	-60°C~140°C	-60°C~140°C	-30°C~200°C
Tube Material	Can be sterilized by ethylene oxide, high-temperature and high-pressure, or gamma ray	Can be repeatedly sterilized by high temperature and high pressure			
Peristaltic pump extrusion life	≥200hours	≥1000hours		≥500hours	
Certifications	Food-grade SGS, Medical-grade FDA, USP Class VI, RoHS, NSF, REACH	FDA, REACH, NSF, RoHS, USP Class VI	NSF, REACH, RoHS, FDA	REACH, RoHS	FDA, REACH, RoHS
Features	Food and pharmaceutical grade, highly transparent, non-toxic and odorless, resistant to ultraviolet, ozone, and most chemicals, with low surface friction, low extraction, and high resilience	Excellent acid, alkali and oxidation resistance, good flexibility, easy to clean and disinfect, suitable for opaque and light-sensitive fluids	Resistant to ozone and ultraviolet, good oxidation resistance for various food and detergent, can be used in high-temperature environments	Excellent acid and alkali resistance, abrasion-resistant, good bending fatigue resistance, better gas tightness than silicone rubber tubes	Strong corrosion resistance, food-contact safety, black color blocks UV, low gas permeability
Typical Applications	Peristaltic pump tubes / GMP pharmaceutical manufacturing, vaccine reagent filling, medical treatment, biotechnology, fine chemicals, environmental protection, food processing, laboratories, coating printing, industrial production, daily-use applications	Peristaltic pump tubes / Sensitive cell culture, fermentation synthesis, separation, purification, laboratory, medical treatment, pharmaceutical manufacturing, food industry, etc		Peristaltic pump tubes / Connecting tubes, can be used for a long time in industrial applications with chemical cleaning agents	Peristaltic pumps, medical equipment, gas transmission pipelines, laboratories, 3D printers, semiconductor industry, chemical engineering, dyeing industry

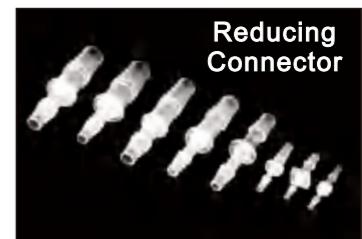
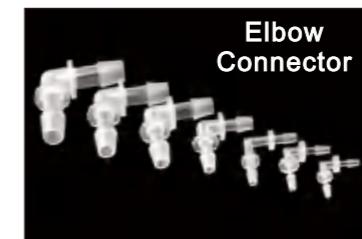
Tube Size Table				
Tube Section Schematic Diagram (Scale 1:1)	Tube Number	Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)
○	0.5*1.5	0.5	1.5	0.5
○	1*2	1	2	
○	1.5*2.5	1.5	2.5	
○	1*3	1	3	1.0
○	2*4	2	4	
○	3*5	3	5	
○	4*6	4	6	
○	14#	1.6	4.8	1.6
○	19#	2.4	5.6	
○	16#	3.2	6.4	
○	25#	4.8	8	
○	17#	6.4	9.6	2.4
○	18#	7.9	11.1	
○	24#	6.4	11.2	
○	35#	7.9	12.7	
○	36#	9.6	14.4	

## Connector Series

Straight Connector						
No	Product Name	Matching Dimensions			Suitable Model	
		A	B	C		
1	1*3 Straight Connector	2.9	1.7	0.9	101ST, 102DB, 102ADB, 104DB, 104BL	
2	2*4 Straight Connector	3.2	2.4	1.6	101ST, 102DB, 102ADB, 104DB, 104BL, 202DB, 203DB, 203BL, 203ST	
3	3*5 Straight Connector	4.2	3	2	101ST, 102DB, 102ADB, 104DB, 104BL, 203DB, 203BL, 203ST	
4	4*6 Straight Connector	5.7	4.2	3.5	101ST, 104DB, 104BL, 203DB, 203BL, 203ST	
5	16# Straight Connector	5	3.7	3	101ST, 104DB, 104BL, 202DB, 203DB, 203BL, 203ST	
6	25# Straight Connector	6.7	5.3	4.3	/	
7	16# Straight Connector (with O ring)	5.2	3.4	3	302ST, 303DB, 303ADB	
8	25# Straight Connector (with O ring)	6.5	5.5	4.5	302ST, 303DB, 303ADB	
9	17# Straight Connector	8.4	7.1	5.4	302ST, 303DB, 303ADB	
10	18# Straight Connector	9.9	8.6	6.9	/	
11	25# Straight Connector(401)	7.5	5.2	4.5	401DB, 401ST, 403DB, 403ST	
12	17# Straight Connector(401)	8.4	6.1	5.4	401DB, 401ST, 403DB, 403ST	
13	35# Straight Connector	9.8	6.5	4.6	401ADB, 401ST, 402DB, 402ST, 403ST, 404DB, 404ST, 601DB, 601ST	
14	36# Straight Connector	11.2	8.4	6.9	402DB, 402ST, 404DB, 404ST, 601DB, 601ST	
15	18# Lateral Elbow Connector(Left)	9.8	7.4	6.9	401ADB, 401ST, 402DB, 402ST, 403ST, 404DB, 404ST, 601DB, 601ST	
16	18# Lateral Elbow Connector(Right)	9.8	7.4	6.9	401ADB, 401ST, 402DB, 402ST, 403ST, 404DB, 404ST, 601DB, 601ST	
17	3*5 Straight Connector	4.2	3	2	102DB, 102ADB, 104DB, 104BL, 203DB, 203BL, 203ST	
18	4*6 Straight Connector	5.7	4.2	3.5	104DB, 104BL, 203DB, 203BL, 203ST	

Elbow Connector						
No	Product Name	Matching Dimensions			Suitable Model	
		A	B	C		
1	18# Lateral Elbow Connector (Left)	9.8	7.4	6.9	401ADB, 401ST, 402DB, 402ST, 403ST, 404DB, 404ST, 601DB, 601ST	
2	18# Lateral Elbow Connector (Right)	9.8	7.4	6.9	401ADB, 401ST, 402DB, 402ST, 403ST, 404DB, 404ST, 601DB, 601ST	
3	3*5 Elbow Connector	4.2	3	2	102DB, 102ADB, 104DB, 104BL, 203DB, 203BL, 203ST	
4	4*6 Elbow Connector	5.7	4.2	3.5	104DB, 104BL, 203DB, 203BL, 203ST	

Reducing Connector						
No	Product Name	Matching Dimensions		A		Suitable Model
		A	B	A	B	
1	1*3to2*4Straight Reducing Connector	1*3 Straight Connector	2*4 Straight Connector	101ST, 102DB, 102ADB, 104DB, 104BL, 202DB, 203DB, 203BL, 203ST		
2	2*4to3*5 Straight Reducing Connector	2*4 Straight Connector	3*5 Straight Connector	101ST, 102DB, 102ADB, 104DB, 104BL, 202DB, 203DB, 203BL, 203ST		
3	2*4to4*6 Straight Reducing Connector	2*4 Straight Connector	4*6 Straight Connector	101ST, 102DB, 102ADB, 104DB, 104BL, 202DB, 203DB, 203BL, 203ST		
4	3*5to4*6 Straight Reducing Connector	3*5 Straight Connector	4*6 Straight Connector	101ST, 102DB, 102ADB, 104DB, 104BL, 203DB, 203BL, 203ST		
5	16#to25# Straight Reducing Connector	16# Straight Connector	25# Straight Connector	101ST, 104DB, 104BL, 202DB, 203DB, 203BL, 203ST		
6	4*6to25# Straight Reducing Connector	4*6 Straight Connector	25# Straight Connector	101ST, 104DB, 104BL, 203DB, 203BL, 203ST		
7	25#to17# Straight Reducing Connector	25# Straight Connector	17# Straight Connector	302ST, 303DB, 303ADB		
8	17#to18# Straight Reducing Connector	17# Straight Connector	18# Straight Connector	302ST, 303DB, 303ADB		
9	18#to36# Straight Reducing Connector	18# Straight Connector	36# Straight Connector	401ADB, 401ST, 402DB, 402ST, 403ST, 404DB, 404ST, 601DB, 601ST		
10	3*5to4*6 Straight Reducing Connector	3*5 Straight Connector	4*6 Straight Connector	102DB, 102ADB, 104DB, 104BL, 203DB, 203BL, 203ST		



## Chemical Resistance of Tube

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Acetaldehyde	乙醛	X	X	X	E
Acetamide, 67% w	乙酰胺, 67% w	G	G	X	/
Acetate Solvents (general)	醋酸酯类溶剂 (一般)	G	G	X	/
Acetic Acid, 10% in w	醋酸, 10% w	E	E	X	/
Acetic Acid, 50-60% in w	醋酸, 50-60% w	G	G	X	/
Acetic Acid, Glacial, 100%	冰醋酸, 100%	G	G	X	/
Acetic Anhydride	醋酸酐	E	E	X	F
Acetone	丙酮	X	X	X	X
Acetonitrile	乙腈	G	G	X	/
Acetyl Bromide	乙酰溴	F	F	X	/
Acetyl Chloride	乙酰氯	F	F	X	/
Acetylene Gas	乙炔气	E	E	E	/
Acrylonitrile	丙烯腈	G	G	X	/
Adipic Acid, 100% in alc	己二酸, 100% (醇溶液)	G	G	X	/
Air	空气	E	E	E	/
Alcohols General	普通醇类	E	E	X	/
Aliphatic Hydrocarbons	脂肪烃	X	X	G	/
Allyl Alcohol	烯丙醇	F	F	E	/
Alum, 5% in w	明矾, 5% w	E	E	E	E
Aluminum Chloride, 53% in w	氯化铝, 53% w	E	E	E	G
Aluminum Hydroxide, 2% in w	氢氧化铝, 2% w	E	E	E	/
Aluminum Sulfate, 50% in w	硫酸铝, 50% w	E	E	E	E
Aluminum Salts	铝盐	E	E	E	/
Amines	胺	F	F	X	/
Ammonia Gas	氨气	E	E	X	/
Ammonia, Anhydrous Liquid	液氨	E	G	X	/
Ammonium Acetate, 45% in w	醋酸铵, 45% w	E	E	X	/
Ammonium Carbonate, 50% in w	碳酸铵, 50% w	E	E	E	F
Ammonium Hydroxide, 5-10% in w	氨水, 5-10% w	E	E	X	/
Ammonium Hydroxide, 30% in w	氨水, 30% w	E	E	X	/
Ammonium Persulfate, 30% in w	过硫酸铵, 30% w	E	E	E	/
Ammonium Salts	铵盐	E	E	E	/
Ammonium Sulfate, 30% in w	硫酸铵, 30% w	E	E	E	E
Amyl Acetate	醋酸戊酯	G	G	X	/
Amyl Alcohol	戊醇	X	X	E	X
Amyl Chloride	戊基氯	F	F	X	X
Aniline	苯胺	F	F	X	G
Aniline Hydrochloride	盐酸苯胺	F	F	X	X
Antimony Salts	锑盐	E	E	E	/
Aqua Regia	王水	X	X	X	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Aromatic Hydrocarbons	芳香烃	X	X	X	X
Arsenic Acid, 20% in w	砷酸, 20% w	F	F	E	/
Arsenic Salts	砷盐	E	E	E	/
ASTM Reference No. 1 Oil	ASTM 1号油	F	F	E	/
ASTM Reference No. 2 Oil	ASTM 2号油	X	X	E	/
ASTM Reference No. 3 Oil	ASTM 3号油	X	X	E	/
Barium Carbonate, 1% in w	碳酸钡, 1% w	E	E	E	/
Barium Hydroxide, 5% in w	氢氧化钡, 5-10% w	E	E	E	/
Beer	啤酒	E	E	E	/
Benzaldehyde	苯甲醛	X	X	X	X
Benzene	苯	X	X	X	/
Benzenesulfonic Acid	苯磺酸	X	X	X	/
Benzoic Acid	苯甲酸	G	G	X	/
Benzyl Alcohol	苯甲醇	E	E	E	/
Bleach Liquor, 22% in w	漂白液, 22% w	E	E	E	G
Borax, 6% in w	硼砂, 6% w	E	E	E	/
Boric Acid, 4% in w	硼酸, 4% w	E	E	E	E
Bromine, Anhydrous Liquid	液溴	X	X	X	/
Butadiene	丁二烯	E	E	E	/
Butane	丁烷	E	E	E	/
Butyl Acetate	醋酸丁酯	G	G	X	/
Butyl Alcohol	丁醇	X	X	E	G
Butyric Acid	丁酸	G	G	X	X
Calcium Carbonate, 25% in Dilute acids	碳酸钙, 希酸的25%	E	E	E	/
Calcium Chloride, 30% in w	氯化钙, 30% w	E	E	E	/
Calcium Hydroxide, 10% in glycerol	氢氧化钙、10%甘油溶液	E	E	E	/
Calcium Hypochlorite, 20% in w	次氯酸钙, 20% w	E	E	E	/
Calcium Nitrate, 55% in w	硝酸钙, 55% w	E	E	E	/
Calcium Salts	钙盐	E	E	E	/
Calcium Sulfate, 1% in w	硫酸钙, 1% w	E	E	E	/
Carbon Dioxide, Wet/ Dry	二氧化碳, 干/湿	E	E	E	G
Carbon Disulfide	二硫化碳	X	X	G	/
Carbon Monoxide	一氧化碳	E	E	E	/
Carbon Tetrachloride	四氯化碳	X	X	X	X
Carbonic Acid	碳酸	E	E	E	/
Castor Oil	蓖麻油	F	F	E	/
Cellosolve	甲基纤维素	F	F	X	/
Cellosolve Acetate	乙酸溶纤剂	F	F	X	/
Chlorine, Dry Gas	氯气, 干	F	F	E	/
Chlorine, Wet Gas	氯气, 湿	X	X	E	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Chlorobenzene, Mono, Di, Tri	三氯苯, Mono, Di	X	X	X	/
Chloroform	氯仿	F	X	F	X
Chlorosulfonic Acid	氯磺酸	X	X	X	X
Chromic Acid, 10-20% in w	铬酸, 10-20% w	E	E	E	/
Chromic Acid, 50% in w	铬酸, 50% w	F	F	E	/
Citric Acid, 10-20% in w	柠檬酸, 20% w	E	E	E	/
Coconut Oil	椰子油	F	F	E	/
Corn Syrup	玉米糖浆	E	E	E	/
Cottonseed Oil	棉籽油	F	F	E	/
Cresol (m,o, or p)	(邻、间、对) 甲基苯酚	X	X	E	/
Cresylic Acid	甲苯基酸	G	G	X	/
Cupric Chloride, 40% in w	氯化铜, 40% w	E	E	E	/
Cupric Nitrate, 70% in w	硝酸铜, 70% w	E	E	E	/
Cupric Sulfate, 13% in w	硫酸铜, 13% w	E	E	E	/
Cyclohexane	环己烷	X	X	E	X
Cyclohexanone	环己酮	X	X	X	X
Detergent Solutions	洗涤剂	G	G	E	/
Dibutyl Phthalate	邻苯二甲酸酯二丁酯	E	E	E	/
Diesel Fuel	柴油	X	X	E	/
Diethylamine, 2.5% in w	二乙胺, 2.5% w	E	E	X	/
Diethylene Glycol	二甘醇	E	E	E	/
Dimethylformamide	二甲基甲酰胺	G	G	X	F
Dimethylsulfoxide (DMSO)	二甲亚砜	E	G	X	/
Diethyl Phthalate	邻苯二甲酸酯二辛酯	E	E	E	/
Dioxane	二恶烷	X	X	X	/
Ether	醚	F	F	X	X
Ethyl Acetate	乙酸乙酯	G	G	X	G
Ethyl Alcohol ( Ethanol)	酒精 (乙醇)	F	F	X	/
Ethyl Benzoate	苯甲酸乙酯	X	X	X	/
Ethyl Chloride	氯化乙基	F	F	X	/
Ethyl Ether	乙醚	F	F	X	/
Ethylene Bromide	溴化乙烯	X	X	E	/
Ethylene Chlorohydrin	二氯乙醇	E	E	X	/
Ethylene Dichloride	二氯乙烷	F	F	X	X
Ethylene Glycol	乙二醇	E	E	E	E
Ethylene Oxide	环氧乙烷	E	E	E	X
Fatty Acids	脂肪酸	F	F	E	F
Ferric Chloride, 43% in w	氯化铁, 43% w	E	E	E	/
Ferric Nitrate, 60% in w	硝酸铁, 60% w	E	E	E	/
Ferric Sulfate, 5% in w	硫酸铁, 5% w	E	E	E	G

Ferrous Sulfate, 5% in w	硫酸亚铁, 5% w	E	E	E	/
Fluoboric Acid, 48% in w	氟硼酸, 48% w	X	X	E	/
Fluorine Gas	氟气	X	X	G	/
Fluosilicic Acid, 25% in w	氟硅酸, 25% w	F	F	E	/
Formaldehyde, 37% in w	甲醛, 37% w	X	X	X	G
Formic Acid, 25% in w	蚁酸, 25% w	E	E	E	G
Formic Acid, 40-50% in w	蚁酸, 40-50% w	G	G	F	/
Formic Acid, 98% in w	蚁酸, 98% w	G	G	X	/
Freon 11	氟利昂11	E	E	G	/
Freon 12	氟利昂12	E	E	G	/
Freon 22	氟利昂22	E	E	G	/
Fruit Juice	果汁	E	E	E	/
Fuel Oil	燃油	X	X	E	/
Furfural	糠醛	X	X	X	/
Gallic Acid, 17% in acetone	五倍子酸17% (丙酮溶液)	G	G	X	/
Gasoline, Automotive	车用汽油	X	X	E	/
Gelatin	明胶	E	E	E	/
Glucose, 50% in w	葡萄糖, 50% w	E	E	E	E
Glycerol, (Glycerin)	丙三醇 (甘油)	E	E	E	E
Glycolic Acid, 70% in w	乙醇酸, 70% w	G	G	X	/
Heptane	庚烷	X	X	G	/
Hexane	正己烷	X	X	G	/
Hydrazine	肼	F	F	X	/
Hydrobromic Acid, 20-50% in w	氢溴酸, 20%-50% w	X	X	E	/
Hydrobromic Acid, 100% in w	氢溴酸, 100% w	X	X	E	/
Hydrochloric Acid, 10% in w	盐酸, 10% w	E	E	E	/
Hydrochloric Acid, 37% in w	盐酸, 37% w	G	G	G	/
Hydrocyanic Acid	氢氰酸	E	E	X	F
Hydrofluoric Acid, 10% in w	氢氟酸, 10% w	X	X	E	/
Hydrofluoric Acid, 25% in w	氢氟酸, 25% w	X	X	E	/
Hydrofluoric Acid, 40-48% in w	氢氟酸, 40-48% w	X	X	E	/
Hydrogen Gas	氢气	E	E	E	/
Hydrogen Peroxide, 3% in w	过氧化氢, 3% w	E	E	E	/
Hydrogen Peroxide, 10% in w	过氧化氢, 10% w	E	E	E	/
Hydrogen Peroxide, 30% in w	过氧化氢, 30% w	E	E	E	/
Hydrogen Peroxide, 90% in w	过氧化氢, 90% w	G	G	E	/
Hydrogen Sulfide	硫化氢	E	E	E	/
Hydroquinone, 7% in w	对苯二酚, 7% w	G	G	E	/
Hypochlorous Acid, 25% in w	次氯酸, 25% w	E	E	E	/
Iodine, 50 ppm in w	碘, 50 ppm w	E	E	E	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Isooctane	异辛烷	X	X	E	/
Isopropyl Acetate	乙酸异丙酯	G	G	X	/
Isopropyl Alcohol	异丙醇	F	F	E	/
Isopropyl Ether	异丙醚	F	F	X	/
Jet Fuel, JP8	喷气式发动机燃料, JP8	X	X	E	/
Kerosene	煤油	X	X	E	X
Ketones	酮	X	X	X	/
Lacquer Solvents	油漆类溶剂	G	G	X	/
Lactic Acid, 3-10% in w	乳酸, 3-10% w	E	E	X	/
Lactic Acid, 85% in w	乳酸, 85% w	G	G	X	/
Lard, Animal Fat	猪油, 动物脂肪	F	F	E	/
Lead Acetate, 35% in w	醋酸铅, 35% w	E	E	E	E
Lead Salts	铅盐	E	E	E	/
Lemon Oil	柠檬油	X	X	E	/
Limonene-D	D-柠檬精油	X	X	E	/
Linoleic Acid	亚油酸	F	F	E	/
Linseed Oil	亚麻籽油	F	F	E	/
Lubricating Oils, Petroleum	润滑油、石油	X	X	E	/
Magnesium Carbonate, 1% in w	碳酸镁, 1% w	E	E	E	/
Magnesium Chloride, 35% in w	氯化镁, 35% w	E	E	E	E
Magnesium Hydroxide, 10% in dil. Acid	氢氧化镁, (稀酸溶液) 10% w	E	E	E	/
Magnesium Nitrate, 50% in w	硝酸镁, 50% w	E	E	E	/
Magnesium Sulfate, 25% in w	硫酸镁, 25% w	E	E	E	E
Maleic Acid, 30% in w	马来酸, 30% w	F	F	E	/
Malic Acid, 36% in w	苹果酸, 36% w	E	E	X	G
Manganese Salts	锰盐	E	E	E	/
Mercuric Chloride, 6% in w	氯化汞, 6% w	E	E	E	/
Mercuric Cyanide, 8% in w	氰化汞, 8% w	E	E	E	/
Mercury	汞	E	E	E	/
Mercury Salts	汞盐	E	E	E	/
Methane Gas	甲烷气	E	E	E	X
Methyl Acetate	乙酸甲酯	/	G	X	/
Methyl Bromide	溴化甲烷	F	F	X	/
Methyl Chloride	氯甲烷	F	F	X	X
Methyl Ethyl Ketone (MEK)	甲基乙基酮 (MEK)	X	X	X	/
Methyl Isobutyl Ketone	甲基异丁基酮	X	X	X	/
Methylene Chloride	二氯甲烷	X	F	X	/
Methyl Methacrylate	甲基丙烯酸甲酯	F	X	F	/
Milk	牛奶	E	E	E	/
Mineral Oil	矿物油	X	X	E	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Molasses	糖蜜	E	E	E	/
Monoethanolamine	单乙醇胺	F	F	X	G
Motor Oil	机油	X	X	E	/
Naphtha	石脑油	X	X	E	X
Naphthalene	萘	X	X	E	/
Natural Gas	天然气	E	E	E	E
Nickel Chloride, 40% in w	氯化镍, 40% w	E	E	E	/
Nickel Nitrate, 75% in w	硝酸镍, 75% w	E	E	E	/
Nickel Salts	镍盐	E	E	E	/
Nickel Sulfate, 25% in w	硫酸镍, 25% w	E	E	E	/
Nitric Acid, 10% in w	硝酸, 10% w	E	E	E	/
Nitric Acid, 35% in w	硝酸, 35% w	E	E	F	/
Nitric Acid, 68-71% in w	硝酸, 68-71% w	X	X	X	/
Nitrobenzene	硝基苯	X	X	X	X
Nitromethane	硝基甲烷	X	X	X	/
Nitrous Acid, 10% in w	亚硝酸, 10% w	E	E	E	/
Nitrous Oxide	一氧化二氮	E	E	E	/
Oils, Animal	动物油	F	F	E	/
Oils, Essential	油, 基本	X	X	E	/
Oils, Hydraulic ( Phosphate Ester)	液压油 (磷酸酯)	X	X	E	/
Oils, Hydrocarbon	烃类油	X	X	E	/
Oils, Vegetable	植物油	F	F	E	/
Oleic Acid	油酸	F	F	E	X
Oleum, 25% in w	发烟硫酸, 25% w	E	E	E	/
Ortho Dichlorobenzene	邻二氯苯	X	X	X	/
Oxalic Acid, 12% in w	草酸, 12% w	G	G	X	/
Oxygen	氧气	E	E	E	/
Ozone, 300 ppm	臭氧, 300 ppm	E	E	E	/
Palmitic Acid, 100% in ether	棕榈酸, 100% 酤	F	F	E	/
Paraffins	石蜡	X	X	G	/
Perchloric Acid, 67% in w	高氯酸, 67% w	E	E	E	X
Perchloroethylene	全氯乙烯	F	F	X	X
Phenol, 5-10% in w	苯酚, 5-10% w	E	E	E	X
Phenol, 91% in w	苯酚, 91% w	E	E	E	X
Phosphoric Acid, < 10% in w	磷酸, <10% w	E	E	E	/
Phosphoric Acid, 25% in w	磷酸, 25% w	E	E	E	/
Phosphoric Acid, 85% in w	磷酸, 85% w	E	E	E	/
Phosphorous Trichloride Acid	三氯化磷酸	G	G	G	/
Photographic Solutions	显影液	G	G	E	/
Phthalic Acid, 9% in alc	邻苯二甲酸酯, 9% (醇溶液)	E	E	E	/

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Picric Acid, 1% in w	苦味酸, 1% w	X	X	E	/
Plating Solutions	电镀液	E	E	E	/
Potassium Carbonate, 55% in w	碳酸钾, 55% w	E	E	E	/
Potassium Cyanide, 33% in w	氰化钾, 33% w	E	E	E	/
Potassium Dichromate, 5% in w	重铬酸钾, 5% w	E	E	E	/
Potassium Hydroxide, <10% in w	氢氧化钾, <10% w	E	E	E	/
Potassium Hypochlorite, 70% in w	次氯酸盐钾, 70% w	/	E	E	/
Potassium Iodide, 56% in w	碘化钾, 56% w	E	E	E	/
Potassium Permanganate, 6% in w	高锰酸钾, 6% w	E	E	E	/
Potassium Salts	盐钾	E	E	E	/
Propane Gas	丙烷	E	E	E	/
Propyl Alcohol ( Propanol)	丙醇	E	E	E	/
Propylene Glycol	丙二醇	E	E	E	/
Propylene Oxide	环氧丙烷	/	E	E	/
Pyridine	吡啶	F	F	X	/
Salicylic Acid, 1% in w	水杨酸, 1% w	E	E	X	/
Silicone Oils	硅油	F	F	E	/
Silver Nitrate, 55% in w	硝酸银, 55% w	E	E	E	E
Skydrol 500A	特种液压油500A	X	X	E	/
Soap Solutions	肥皂液	G	G	E	E
Sodium Acetate, 55% in w	醋酸钠, 55% w	E	E	E	/
Sodium Benzoate, 22% in w	苯甲酸钠, 22% w	E	E	E	/
Sodium Bicarbonate, 7% in w	碳酸氢钠, 7% w	E	E	E	E
Sodium Carbonate, 7% in w	碳酸钠, 7% w	E	E	E	E
Sodium Chlorate, 45% in w	氯酸钠, 45% w	E	E	E	F
Sodium Chloride, 20% in w	氯化钠, 20% w	E	E	E	E
Sodium Cyanide, 30% in w	氰化钠, 30% w	E	E	E	/
Sodium Fluoride, 3% in w	氟化钠, 3% w	E	E	E	/
Sodium Hydroxide, 10-15% in w	氢氧化钠, 10-15% w	E	E	E	/
Sodium Hydroxide, 30-40% in w	氢氧化钠, 30-40% w	E	E	E	/
Sodium Hypochlorite, 5.5% in w	次氯酸钠, 5.5% w	E	E	E	/
Sodium Hypochlorite, 12.2% in w	次氯酸钠, 12.2% w	E	E	E	/
Sodium Nitrate, 3.5% in w	硝酸钠, 3.5% w	E	E	E	X
Sodium Salts	钠盐	E	E	E	/
Sodium Sulfate, 5% in w	硫酸钠, 5% w	E	E	E	/
Sodium Sulfide, 45% in w	硫化钠, 45% w	E	E	E	E
Sodium Sulfite, 10% in w	亚硫酸钠, 10% w	E	E	E	/
Stannic Chloride, 50% in w	四氯化锡, 50% w	E	E	E	/
Stannous Chloride, 45% in w	二氯化锡, 45% w	E	E	E	/
Stearic Acid, 5% in alc	硬脂酸, 5% w (醇溶液)	F	F	E	G

		PharMed® BPT	Tygon A-60-G	Versilon F-5500-A	Silicone 硅胶管
Sulfur Chloride	氯化硫	X	X	E	E
Sulfur Dioxide, Gas Dry	二氧化硫, 干气	E	E	E	/
Sulfur Dioxide, Gas Wet	二氧化硫, 湿气	E	E	E	/
Sulfur Trioxide, Wet	三氧化硫, 湿	G	E	G	/
Sulfuric Acid, 10% in w	硫酸, 10% w	E	E	E	/
Sulfuric Acid, 30% in w	硫酸, 30% w	E	E	E	/
Sulfuric Acid, 95-98% in w	硫酸, 95-98% w	X	X	E	/
Sulfurous Acid	亚硫酸	E	E	E	/
Tannic Acid, 75% in w	丹宁酸, 75% w	G	G	X	G
Tartaric Acid, 56% in w	酒石酸, 56% w	E	E	E	E
Tetrahydrofuran	四氢呋喃	X	X	X	/
Thionyl Chloride	亚硫酰氯	E	E	E	/
Tin Salts	锡盐	E	E	E	G
Titanium Salts	钛盐	E	E	E	/
Toluene	甲苯	X	X	F	X
Trichloroacetic Acid, 90% in w	三氯乙酸, 90% w	G	G	X	X
Trichloroethane	三氯乙烷	F	F	X	/
Triethanolamine	三乙醇胺	F	F	X	/
Trichloroethylene	三氯乙烯	X	X	X	X
Trichloropropane	三氯丙烷	F	F	X	/
Tricresyl Phosphate	磷酸三甲苯酯	E	E	E	/
Trisodium Phosphate	磷酸三钠	E	E	E	E
Turpentine	松节油	X	X	E	X
Urea, 20% in w	尿素, 20% w	E	E	E	G
Uric Acid	尿酸	E	E	F	/
Vinegar	醋	E	E	X	/
Vinyl Acetate	醋酸乙烯	G	G	X	/
Water, Deionized	去离子水	E	E	E	/
Water, Distilled	蒸馏水	E	E	E	/
Xylene	二甲苯	X	X	F	X
Zinc Chloride, 80% in w	氯化锌, 80% w	E	E	E	/
Zinc Salts	锌盐	E	E	E	/

W=Aqueous solution, alc=Ethanol

E=Excellent, G=Good, F=In general, X=Not recommended, /=No relevant information, -=Test environment, %=Concentration

\* The company has the final interpretation right, the product information content is updated in real time, please contact our company to confirm before purchase.