

 **INNOFLUID**

Pump Head&OEM



INNOFLUID CO.,LTD.

INNOFLUID PERISTALTIC PUMP

APPLICATION



Fermentation

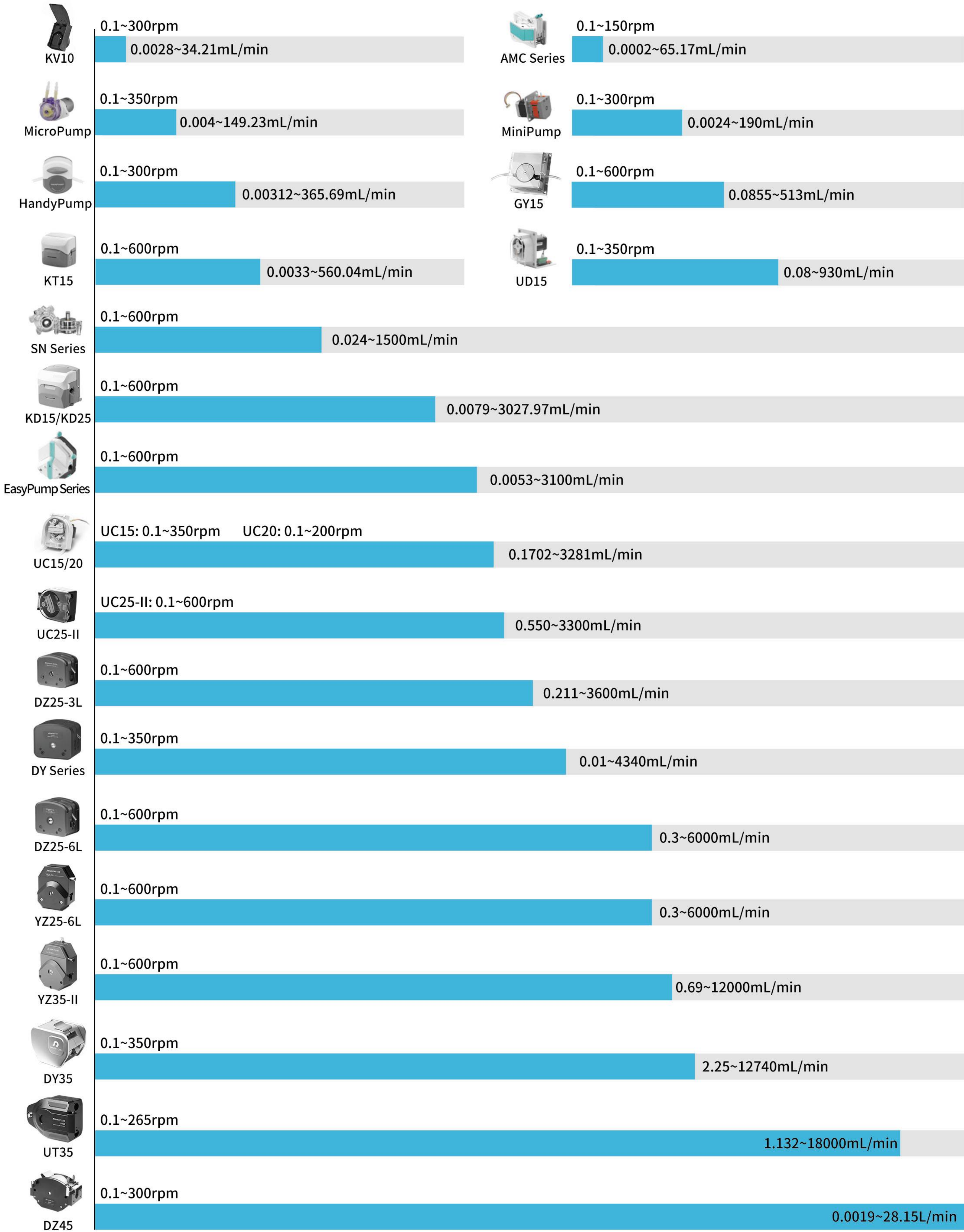


Medical equipment



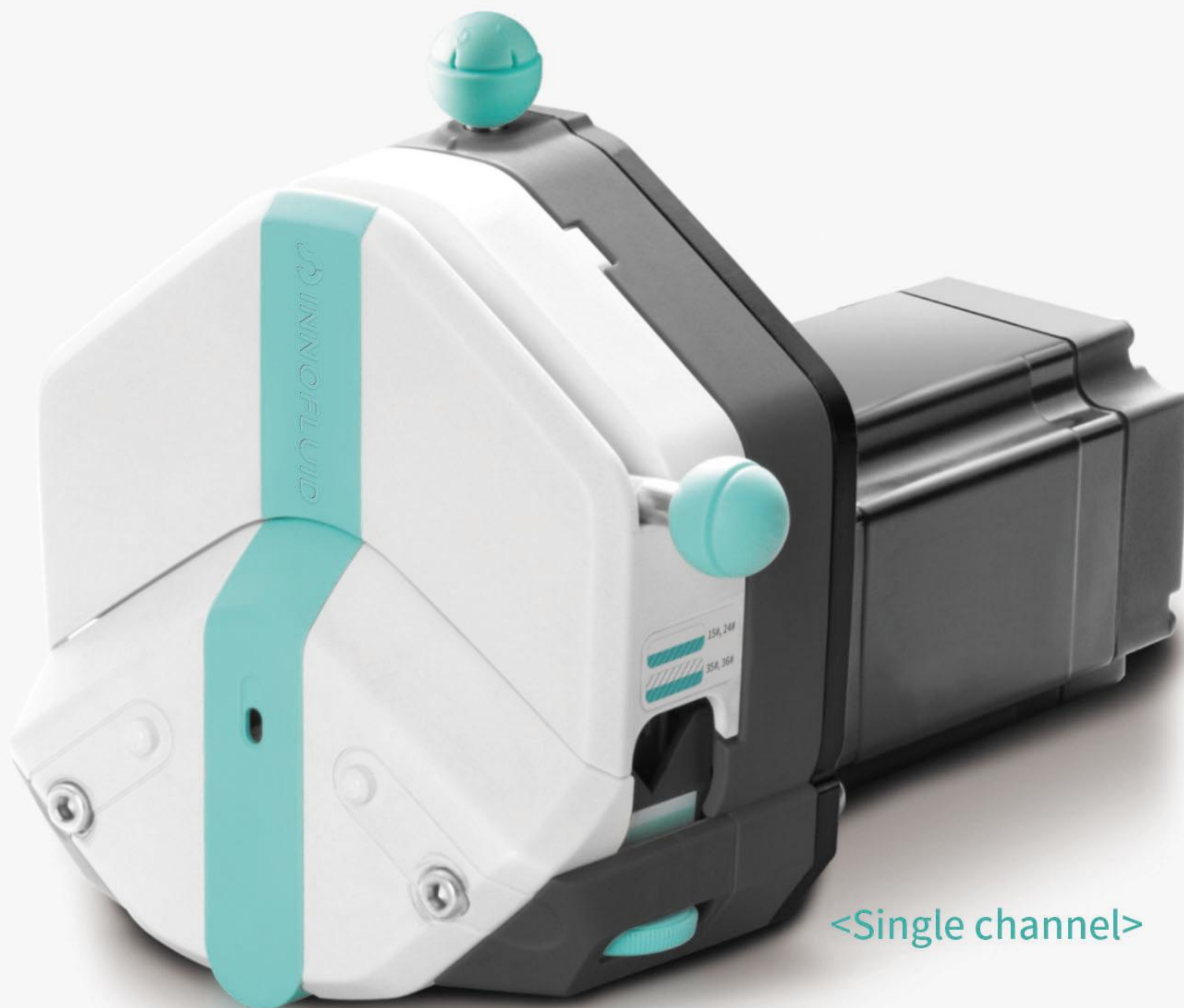
Reagent filling

Pump Head Flow Rate



Quick Load Type Pump Head

—EasyPump Series



<Single channel>



<Dual channel>



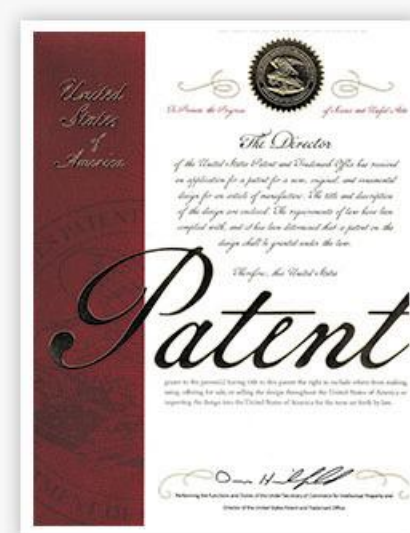
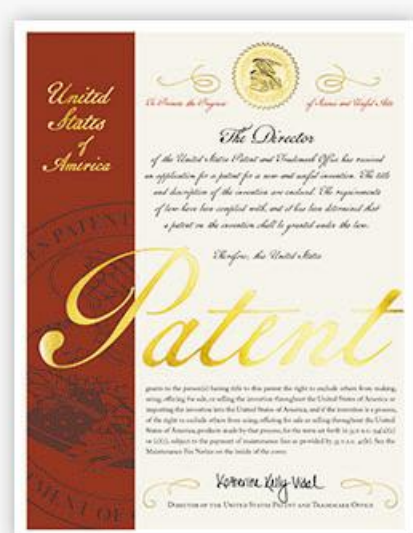
- The tube clamp linkage mechanism makes it more convenient to install the tube.
- The rubbing wheel adjustment mechanism can easily fix different size tube.
- The lever assist mechanism makes the operation more labor-saving
- The tube pressure gap fine-tuning mechanism can adjust the pressure, extend the life of the tube and improve the dispensing accuracy.
- Two tubes can be installed at the same time to realize single pump head with two channels.

Easypump obtained  China
Invention patent and Appearance patent.



Invention Patent No.: ZL 201910933057.X
Appearance patent No.: ZL 201930723432.9

Easypump obtained  U.S.
Invention patent and Appearance patent.



Invention Patent No.: US 11,852,136 B2
Appearance patent No.: US D939,692 S

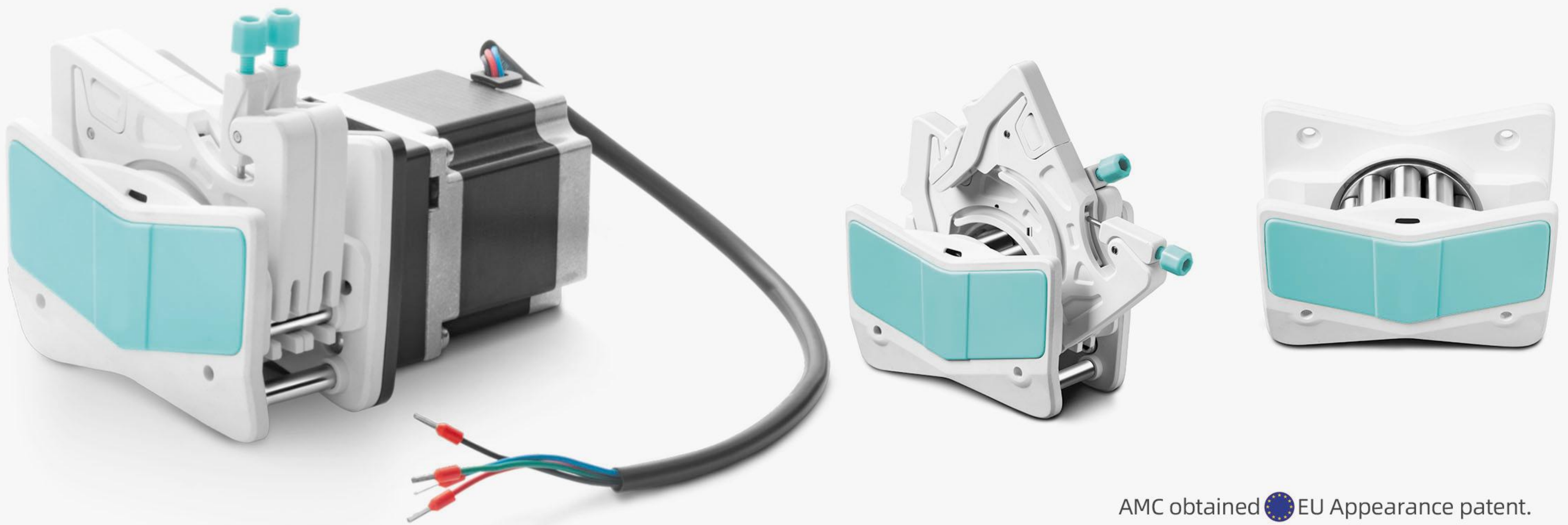
Easypump obtained  EU
Invention patent and Appearance patent.



Invention Patent No.: EP3967879
Appearance patent No.: NO 008005789-0002

Multichannel Type Pump Head

—AMC Series



- The elastic positioning mechanism enables users remove and install.
- The elastic pressure tube design effectively extends the life of the tube.
- Stepless adjustment of the tube pressure gap, effectively improving the flow rate accuracy between channels.
- Exquisite appearance, compact structure, ideal for supporting instruments.

AMC obtained  EU Appearance patent.



Appearance patent No.: 008005789-0001

Low Pulsation Pump Head

—DY35



- Flow Rate:2.25-12740mL/min
- DY25-II/DY35 pump head housing material is aluminium alloy, stainless steel roller assembly. Through the phase difference between the two sets of rollers, reducing the fluid pulsation effectively, improve the flow rate stability. Elastic upper pressure block, reducing tubing abrasion.

Compact Pump Head

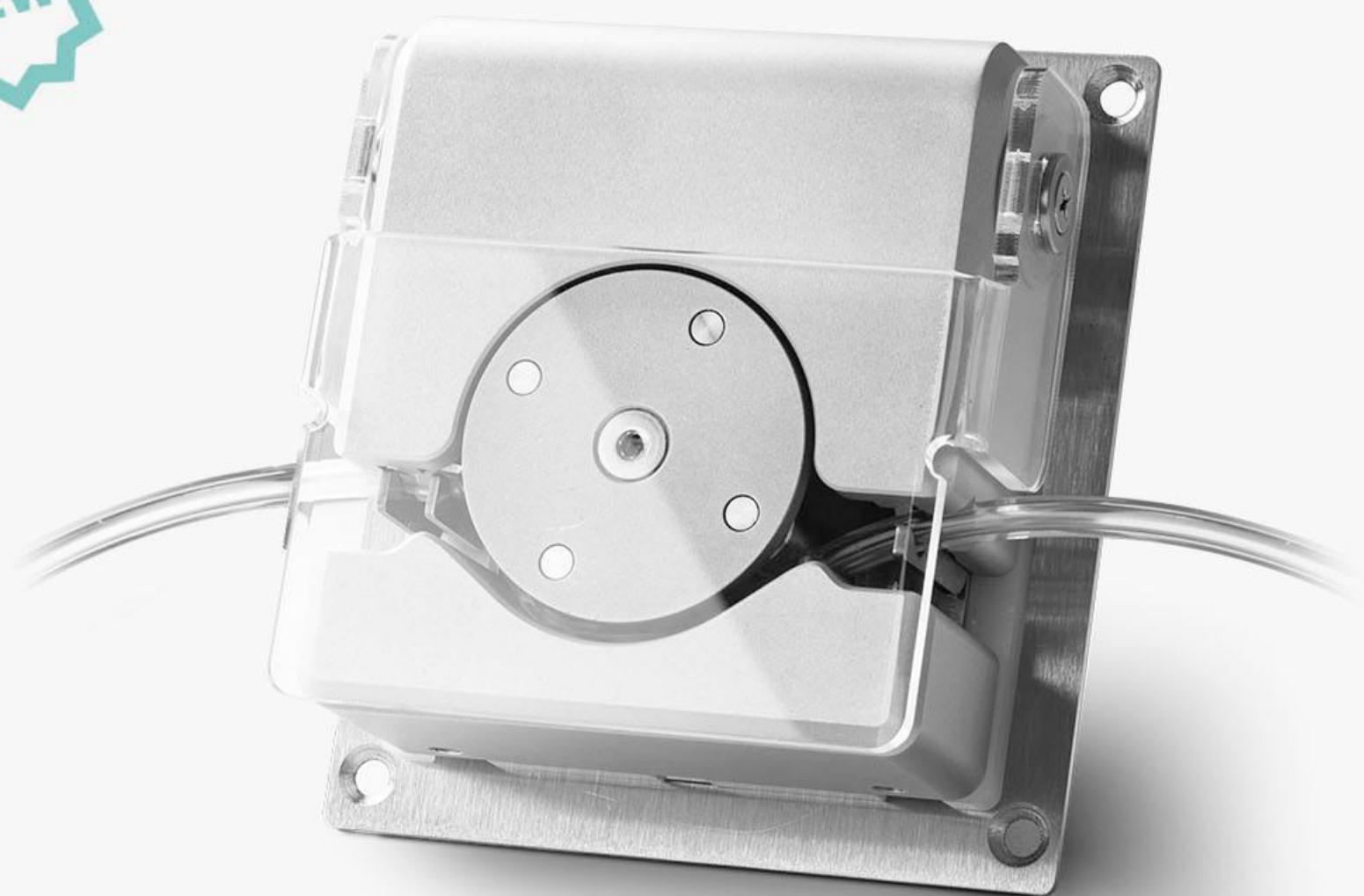
—KV10



- Flow Rate:0.0010-34.21mL/min
- Compact structure, can change tubing rapidly, high precision and stable running.

High Pressure Pump Head

—GY15



- Flow Rate:0.0855-513mL/min
- Maximum pressure up to 0.8 MPa with stable output.
- Quick and convenient tubing replacement.
- Precision-machined for high performance and long service life.
- Easy-to-clean surface.
- Designed for surgical cooling applications such as radiofrequency and microwave ablation.

Elastic roller assembly Pump Head

—UC25-II



- Flow Rate:0.347-3300mL/min
- Anodized aluminum alloy pump base for superior strength.
- Transparent front cover provides real-time visibility into the pump head's operation.
- Features a magnetic induction auto-stop function upon cover removal.
- Spring-loaded rollers compensate for tubing gaps, guaranteeing consistent flow rates.
- The pump head logo is laser-engraved for clarity and wear resistance.

Quick Load Pump Head

—YZ25-6L



- Flow Rate:0.3-6000mL/min
- The casing is machined from aluminum alloy.
- The roller clamping gap supports concentric multi-level adjustment and has strong compatibility with multiple hose models.
- Optional electromagnetic sensor: Enables automatic pump stop when the cover is opened.
- Optimized tube-retention mechanism: It enables quick installation and removal of hoses.
- A new lever limiter has been added to effectively prevent the lever from becoming loose due to vibration.
- Magnetic protective cover, featuring a concealed strong magnetic adsorption design.
- Supports the use of multiple pump heads in series to meet diverse application needs.

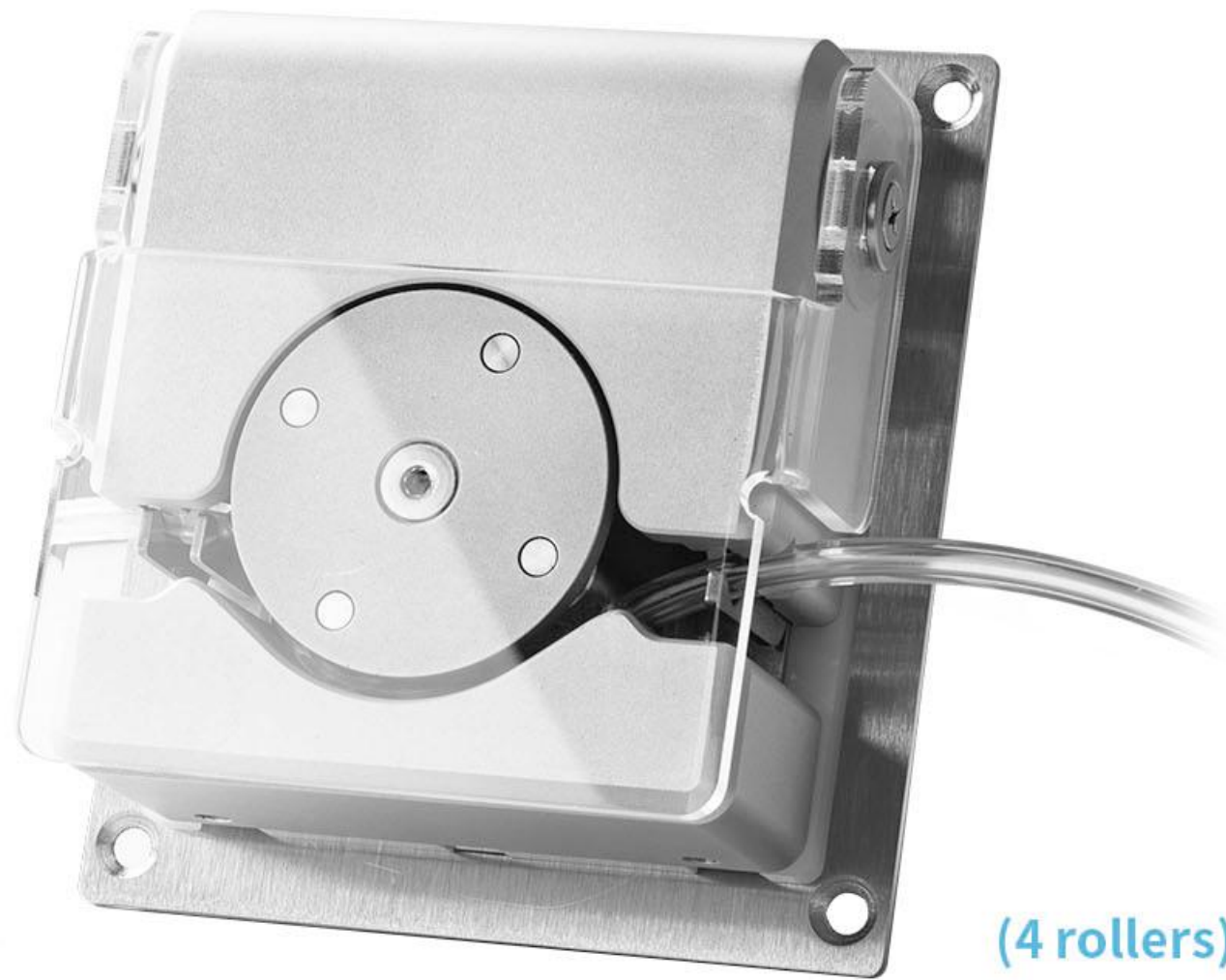
CATALOGUE



◆	High Pressure Pump Head	01
	GY15.....	01
◆	Compact Pump Head	04
	MicroPump.....	04
	KV10	06
	KD15/KD25	08
	KT15.....	11
	MiniPump.....	15
	UD15	19
	UC15/UC20/UC25-II	21
◆	Multichannel Pump Head.....	23
	AMC Series.....	23
◆	Quick Load Pump Head.....	28
	EasyPump Series	28
	HandyPump	36
	YZ25-6L.....	41
	YZ35-II.....	42
◆	Standard Pump Head.....	44
	SN Series.....	44
◆	Fast Load Pump Head.....	46
	DZ25 Series.....	46
◆	Low Pulse Pump Head.....	50
	DY15/DY25	50
	DY35.....	52
◆	Spring-Loaded Roller Industrial Pump Head	53
	UT35	53
◆	Planetary Gear Type Industrial Pump Head.....	54
	DZ45	54
◆	Drive Module.....	55
◆	Control Board For OEM Product	57
◆	Peristaltic Pump Accessory and Tubing.....	58

High Pressure Pump Head

GY15



(4 rollers)

Product Introduction

The GY15 is designed for surgical cooling applications such as radiofrequency and microwave ablation. It delivers precise fluid control in medical applications, enabling accurate fluid delivery. The pressure-flow curve can be finely adjusted according to the requirements of each specific application. It supports flow rates up to 500 ml/min and pressures up to 0.8 MPa.

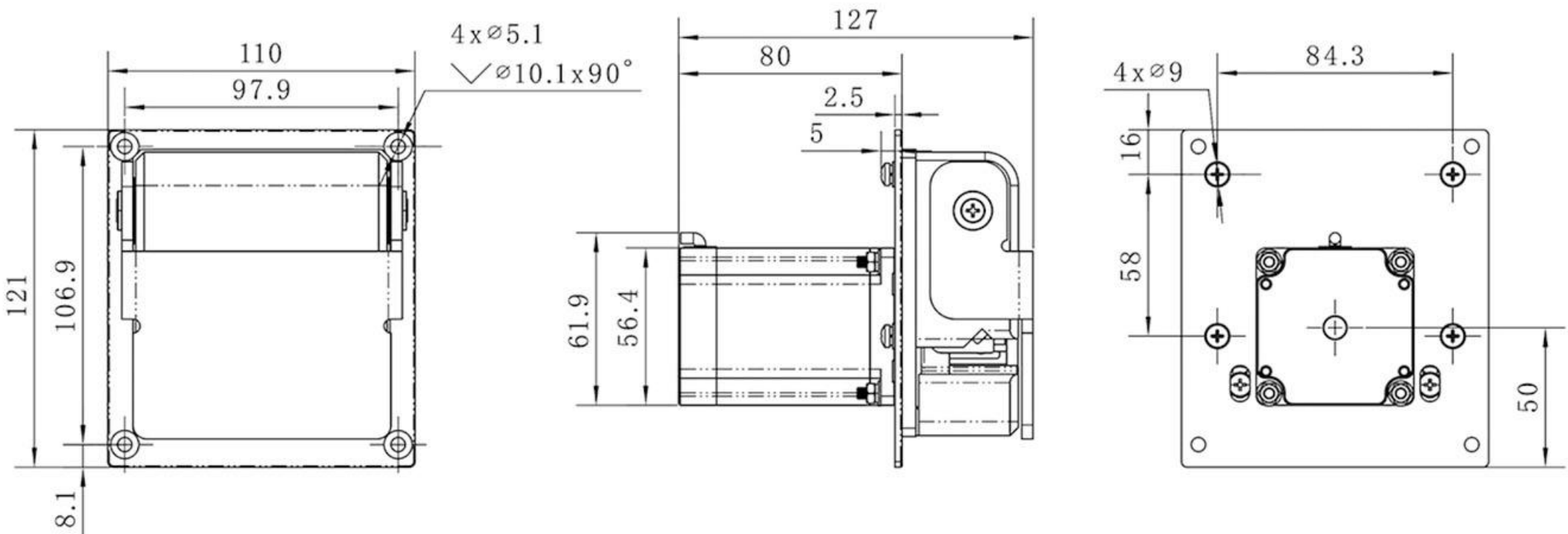
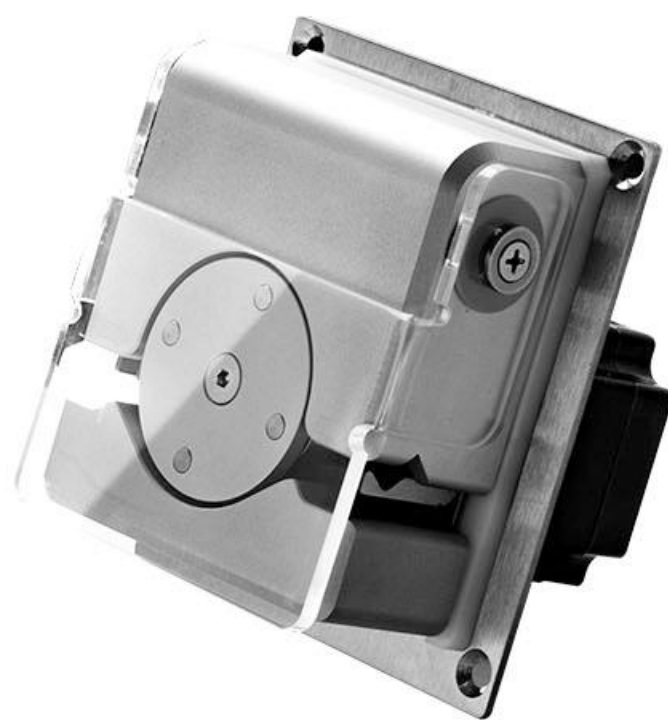
Typical Application

- Maximum pressure up to 0.8 MPa with stable output.
- Quick and convenient tubing replacement.
- Precision-machined for high performance and long service life.
- Customizable tubing end performance testing.
- Easy-to-clean surface.

Technical Specifications						
Model	Housing material	Tube clamp material	Tubing		(Speed: 0.1-600rpm) Flow rate range(mL/min)	Weight (Kg)
			Tubing No.	IDxWT (mm)		
GY15	Aluminum alloy	Stainless steel	14 [#]	1.6x1.6	0.0255-153	0.95
			19 [#]	2.4x1.6	0.051-306	
			16 [#]	3.1x1.6	0.0855-513	

OEM-GYB201

Dimension Drawing(Unit: mm)

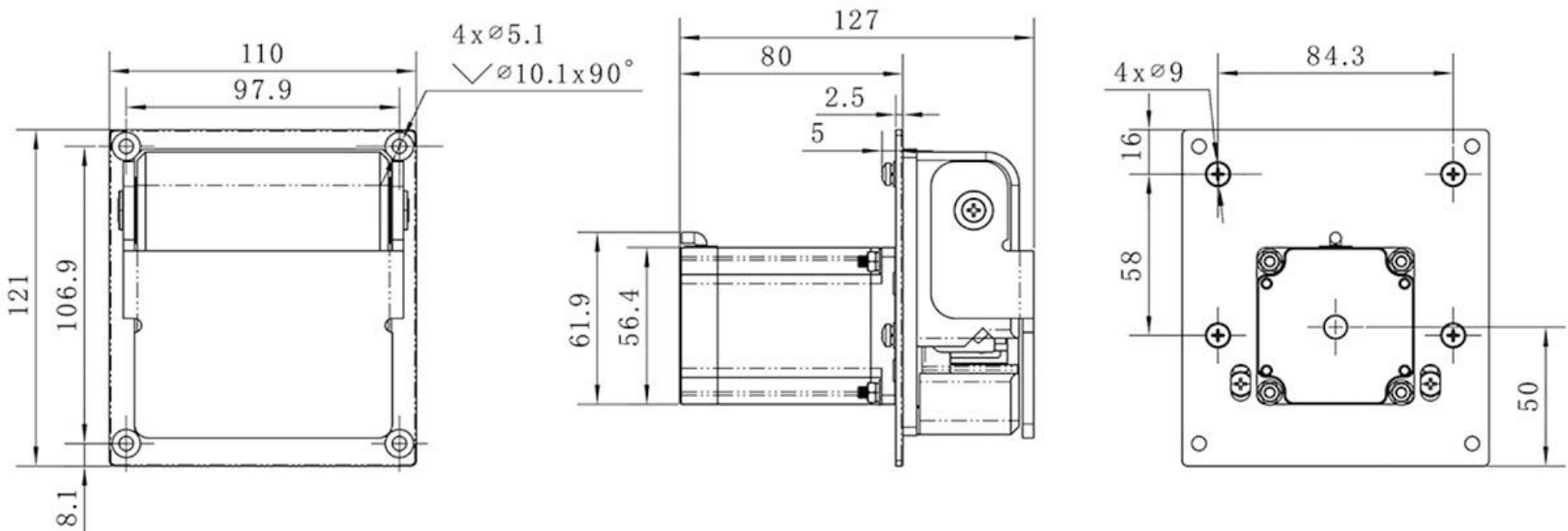


OEM-GYB201 Technical Specifications			
Speed range	0.1-600rpm	Motor phase voltage	1.8°
Flow rate range	0.0855-513mL/min	Motor phase current	3.0A
Motor type	57 stepper motor	Working ambient	0-40°C, <80%RH, non-condensing
Motor phase numbers	2		

High Pressure Pump Head

OEM-GYB202

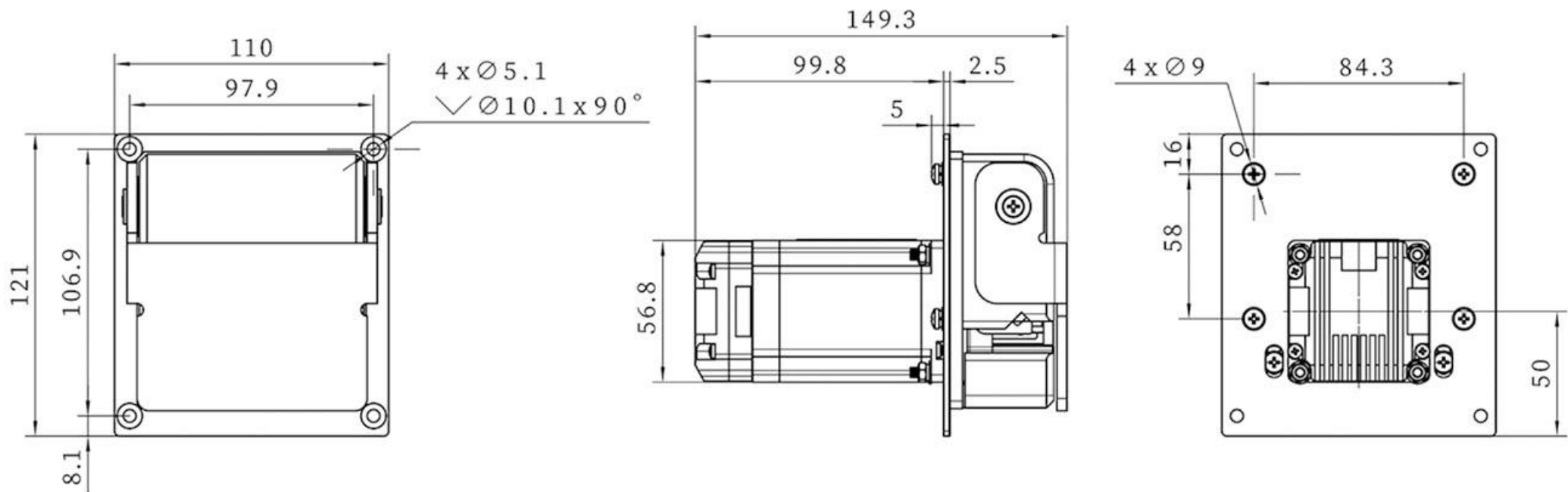
Dimension Drawing(Unit: mm)



OEM-GYB202 Technical Specifications			
Speed range	0.1-600rpm	Motor type	57 stepper motor
Flow rate range	0.0855-513mL/min	Operating power supply	DC18V~DC50V (Recommended DC36V), ≥80W
Speed control method	Speed control via external pulse frequency input	Logic input voltage	DC5V
Microstep setting	4-position DIP switch setting (default: 16x microstepping)	Operating environment	0-40°C, <80%RH, non-condensing
Current setting	3-position DIP switch setting (default: 2.84A)		

OEM-GYB203/204/205

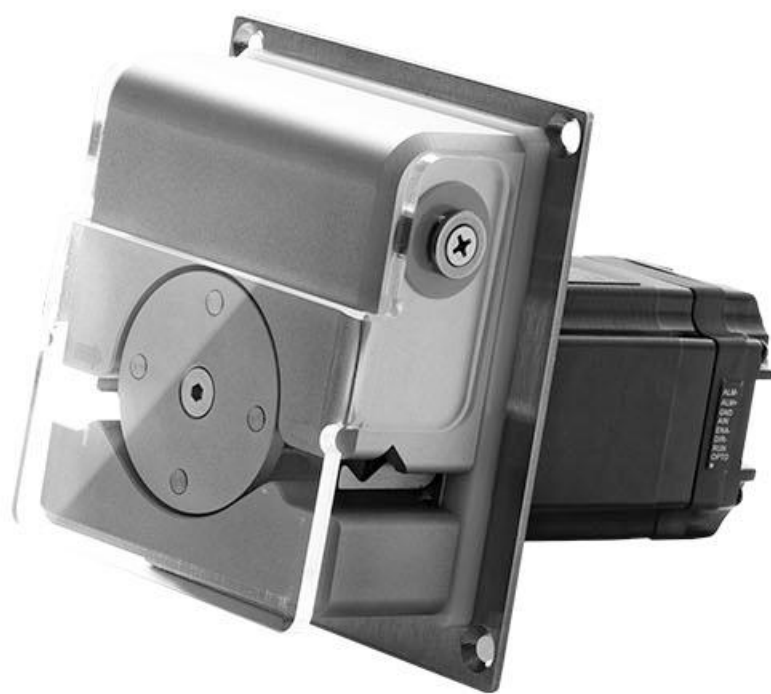
Dimension Drawing(Unit: mm)



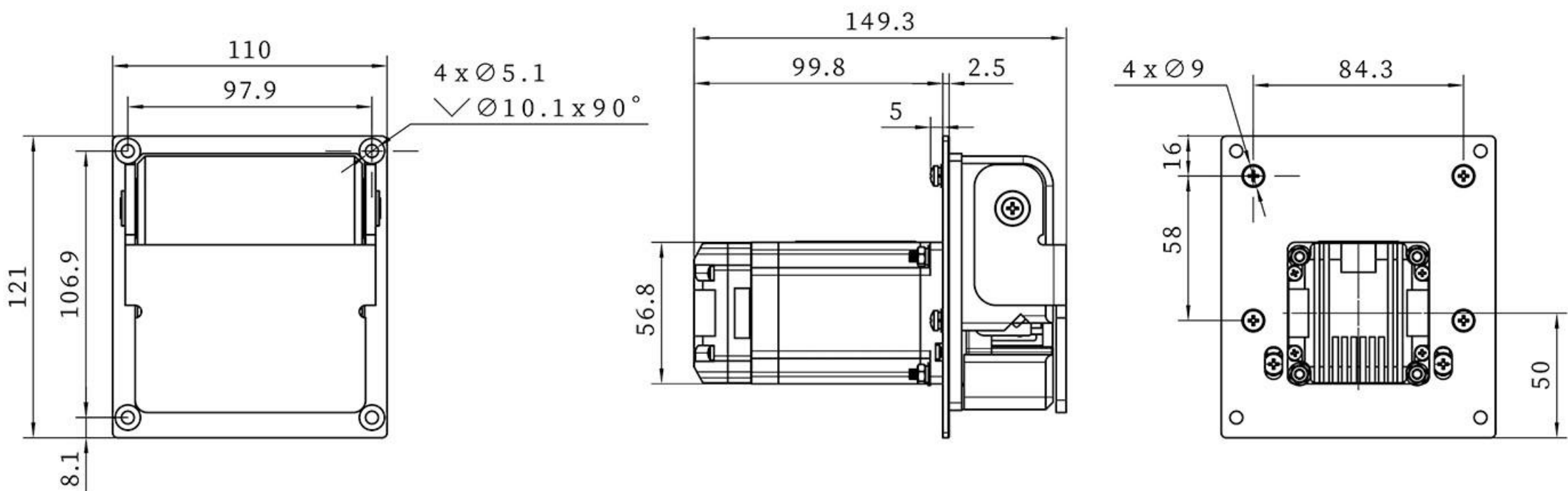
OEM-GYB203/204/205 Technical Specifications			
Speed range	0.1-600rpm	Output signal	Open-collector output
Flow rate range	0.0855-513mL/min	Speed control method	OEM-GYB203: External analog speed control 4-20mA
Control method	Control of start/stop and direction reversal via passive switch signal or active switch signal (3.3V~5V)		OEM-GYB204: External analog speed control 0-5V
Control signal logic	Run on opto-coupler ON / Run on opto-coupler OFF (Configurable via host computer software)		OEM-GYB205: External analog speed control 0-10V
Operating mode	Fixed speed mode / External analog input mode (Configurable via PC software)	Operating power supply	DC24V-DC36V (Recommended DC36V), ≥100W
Motor type	Integrated Closed-loop stepper motor	Operating environment	0-40°C, < 80%RH, non-condensing

High Pressure Pump Head

OEM-GYB206



Dimension Drawing(Unit: mm)



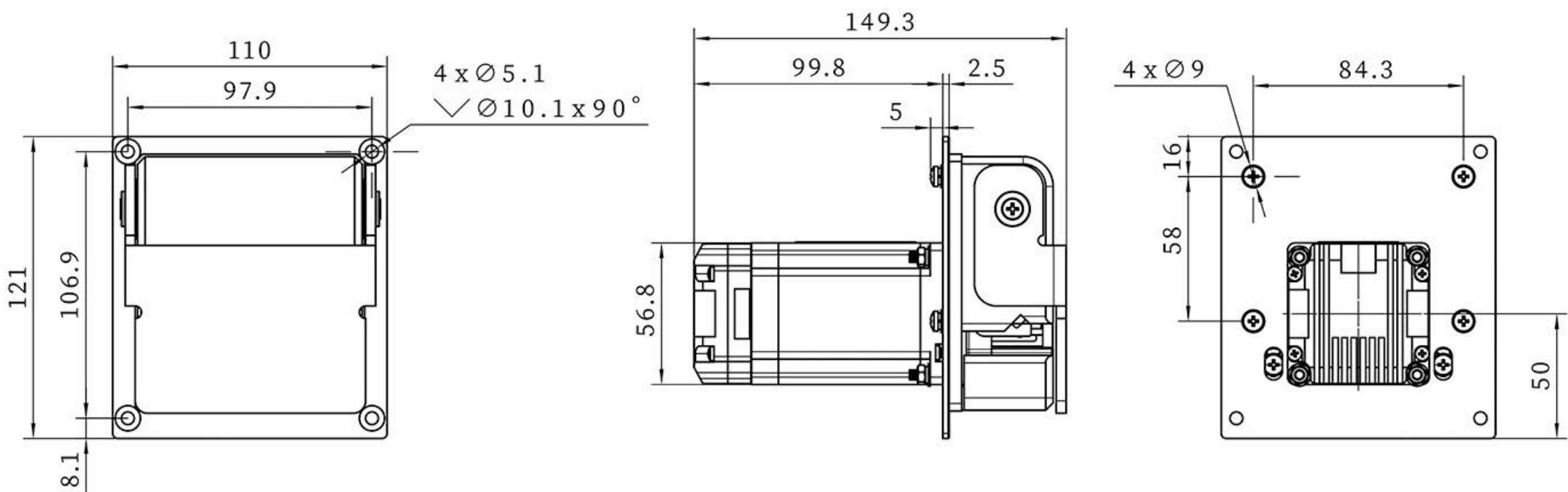
OEM-GYB206 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated Closed-loop stepper motor
Flow rate range	0.0855-513mL/min	Output signal	Open-collector output
Speed control method	Speed control via external pulse frequency input	Operating power supply	DC24V~DC36V (Recommended DC36V), ≥100W
Logic input voltage	DC3.3V-5V	Operating environment	0-40°C, < 80%RH, non-condensing

OEM-GYB207



Dimension Drawing(Unit: mm)



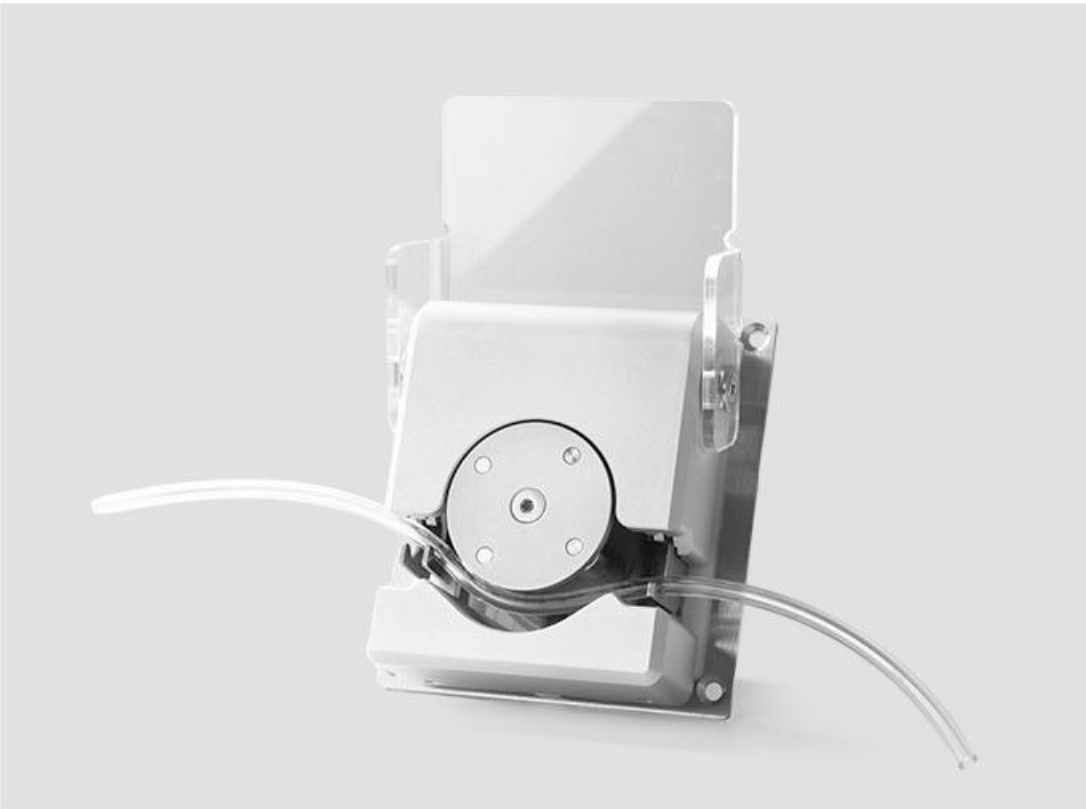
OEM-GYB207 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated Closed-loop stepper motor
Flow rate range	0.0855-513mL/min	Output signal	Open-collector output
Control method	RS485	Operating power supply	DC24V~DC36V (Recommended DC36V), ≥100W
Communication address	1-255 (default is 1), configurable via DIP switches or communication interface	Operating environment	0-40°C, < 80%RH, non-condensing

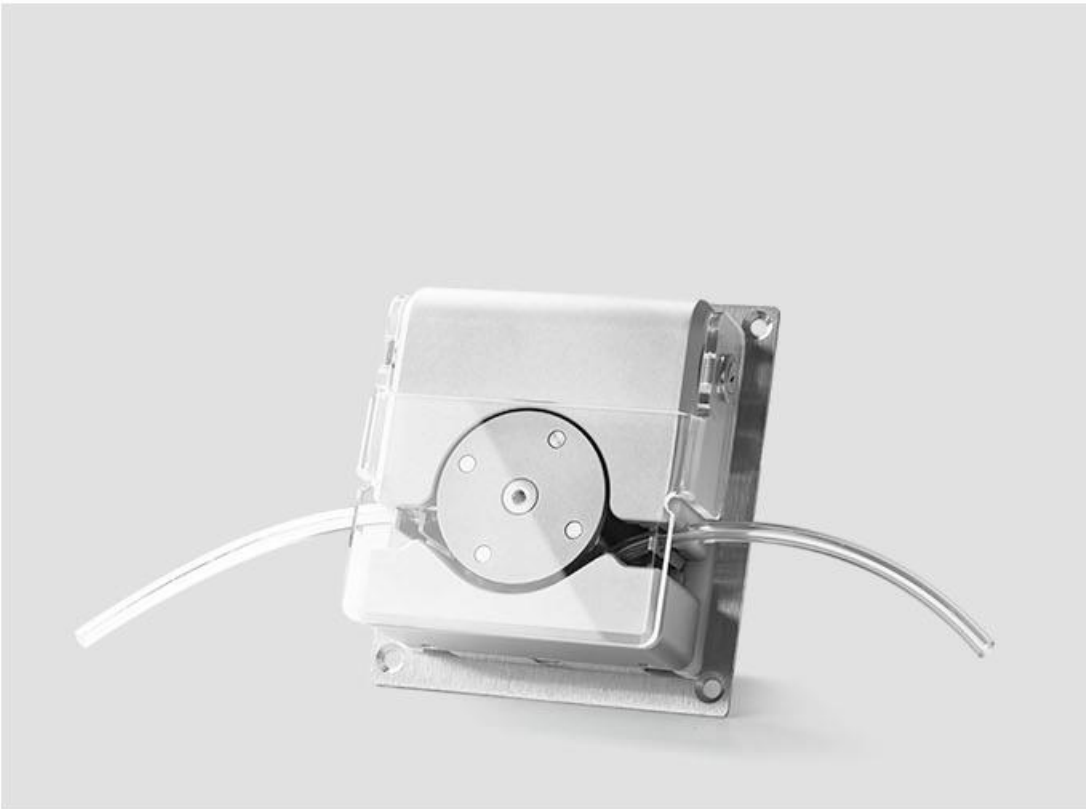
Tubing Installation Procedure



1. Open the pump head front cover upward.



2.Place the tubing between the rollers and the upper pressure block, then insert both ends into the tube clamps on each side.



3. Close the pump head front cover downward.

Compact Pump Head

MicroPump



(3 rollers)

Product Features

Beautiful appearance, compact size, variety colors to choose, OEM ideal choice, can be driven by stepper motor, DC motor etc.

Model No.

MicroPump, max flow rate: 0.004-149.23mL/min

Industry Application

- | Biochemical analyzer, support medical equipment
- | Plant protection drone

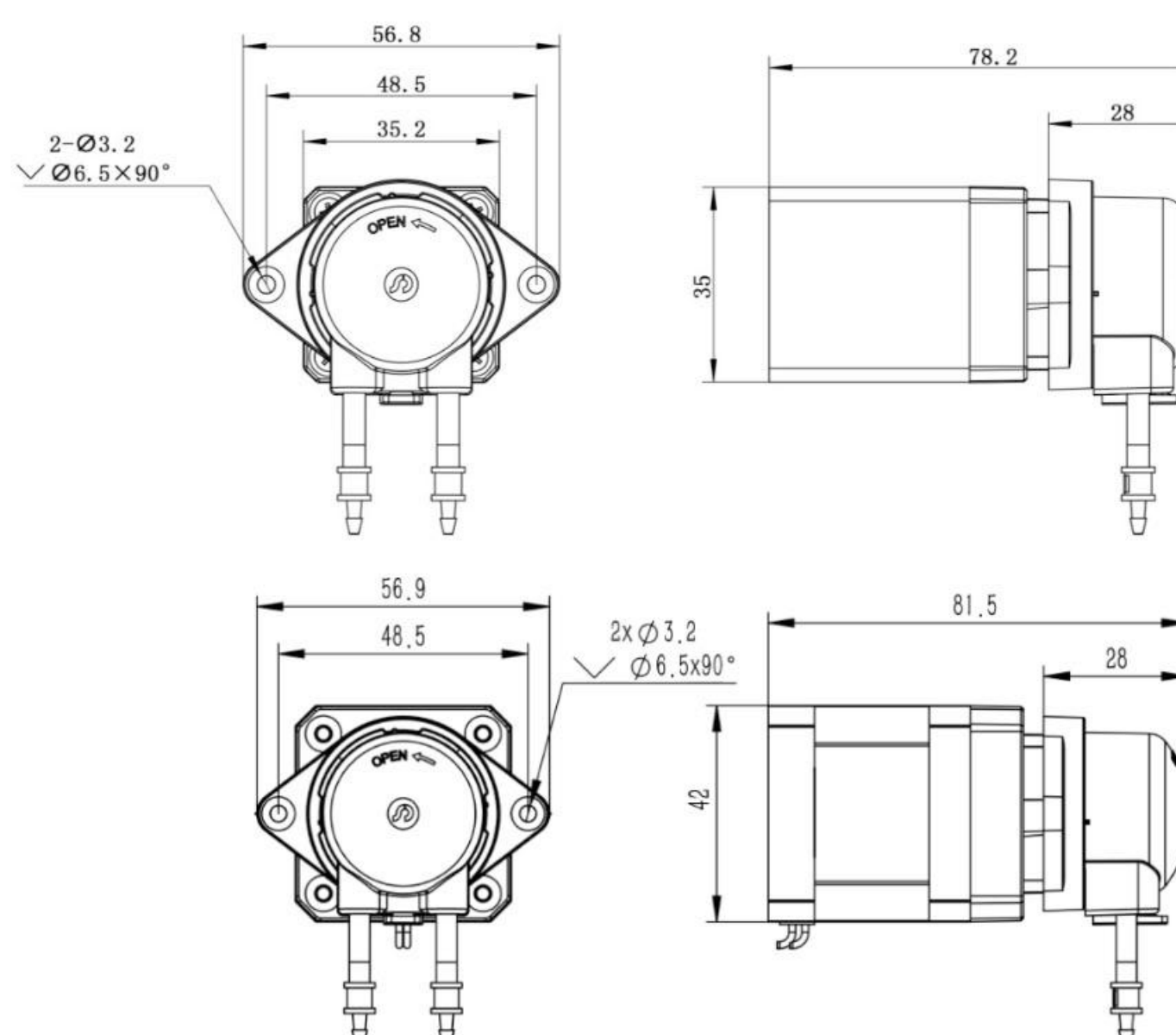
Pump Head Installation Procedure



Dimension Drawing(Unit: mm)



35
Stepper motor



42
Stepper motor

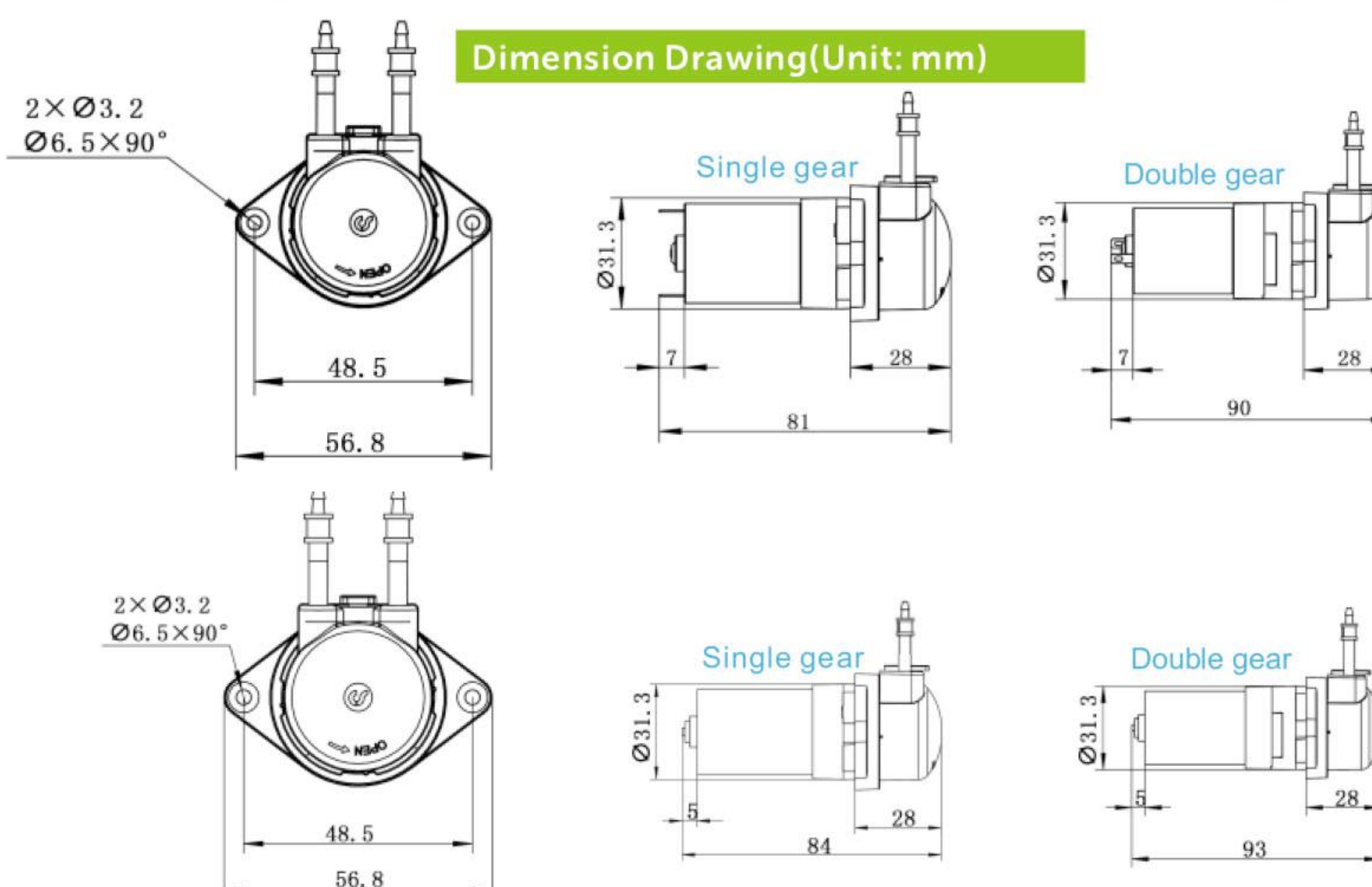


DC motor

DC Brush

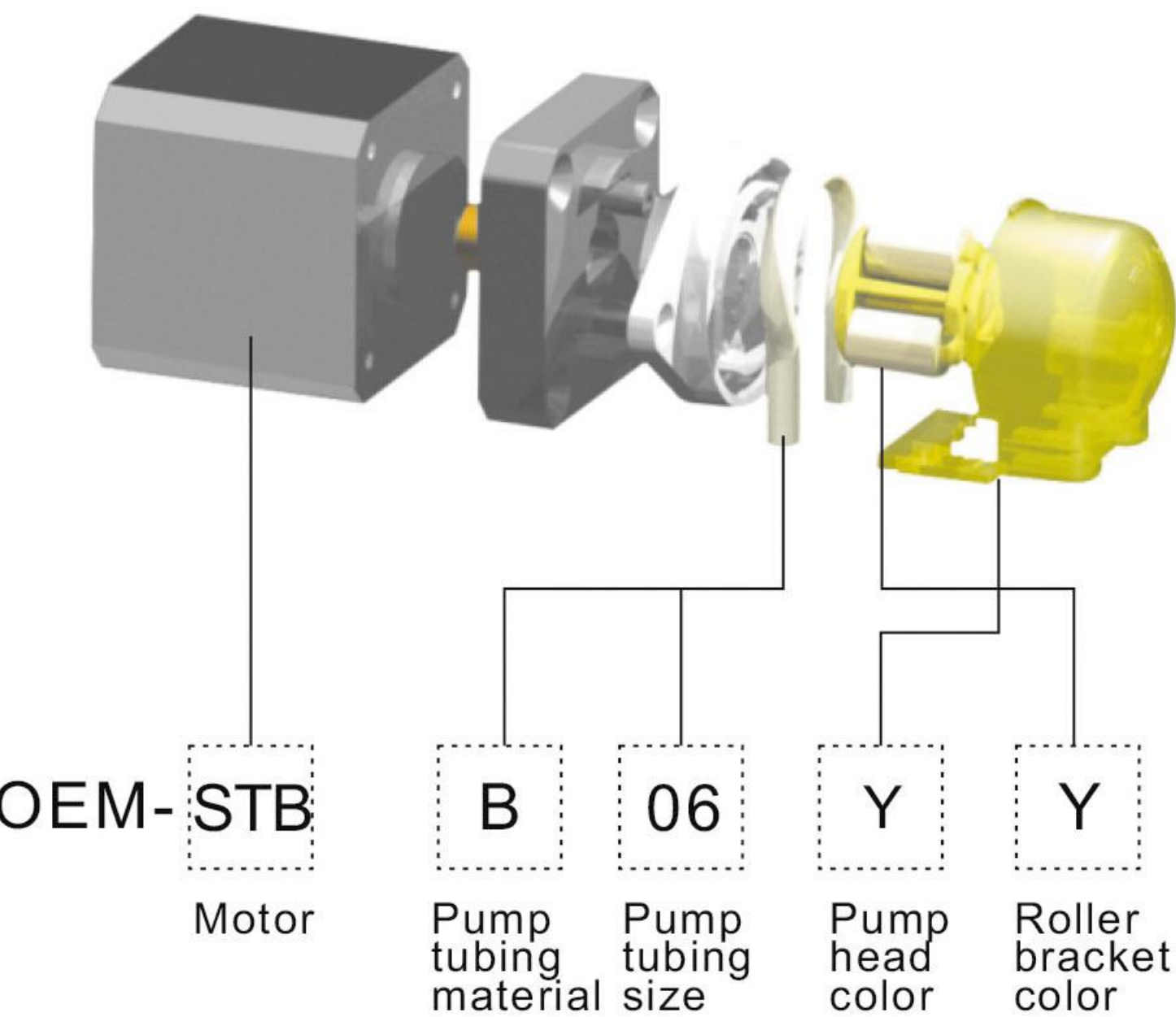
DC
Brushless

Dimension Drawing(Unit: mm)

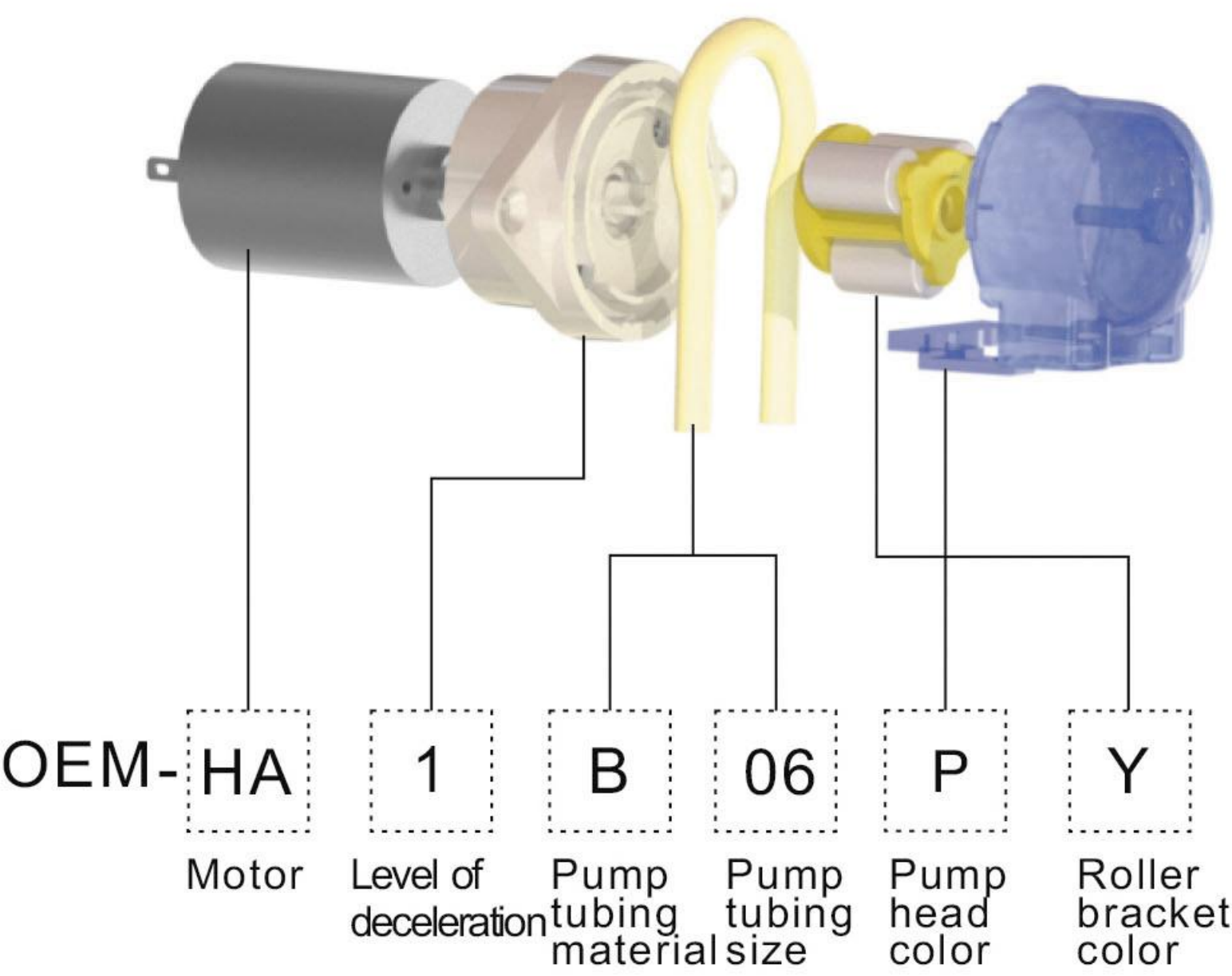


Compact Pump Head

Stepper motor breakdown drawing



DC motor breakdown drawing



Color Selection



Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Flow model selection						
Tubing No.			B04	B06	B10	B22
Tubing ID. (wall thickness 1mm)			1.0*1.1	2.0*1.0	3.0*1.0	4.0*1.0
Tubing material			PharMed BPT	PharMed BPT	PharMed BPT	PharMed BPT
Flow rate (mL/min)	24V Brush/Brushless HA/HD	Single gear	14.88	50.05	110.27	149.23
		Double gear	1.28	4.29	9.45	12.79
	12V Brush/Brushless HB/HE	Single gear	14.88	50.05	110.27	149.23
		Double gear	1.28	4.29	9.45	12.79
	6V Brush/Brushless HC/HF	Single gear	14.88	50.05	110.27	149.23
		Double gear	1.28	4.29	9.45	12.79
	35Stepper motor(350rpm)STB		14.88	50.05	110.27	—
	42Stepper motor(350rpm)STA		14.88	50.05	110.27	149.23

Compact Pump Head

KV10



(4 rollers)



Product Introduction

KV10 pump head has a small size and available in black and white color options — an ideal OEM solution. Features an elastic upper pressure block that reduces tubing wear and extends service life. The semi-transparent cover allows real-time visual monitoring of pump head and tubing operation. Compatible with various drive types, including stepper and DC motors.

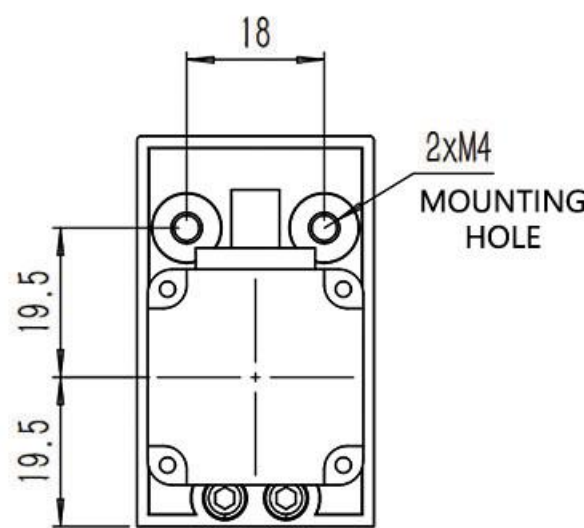
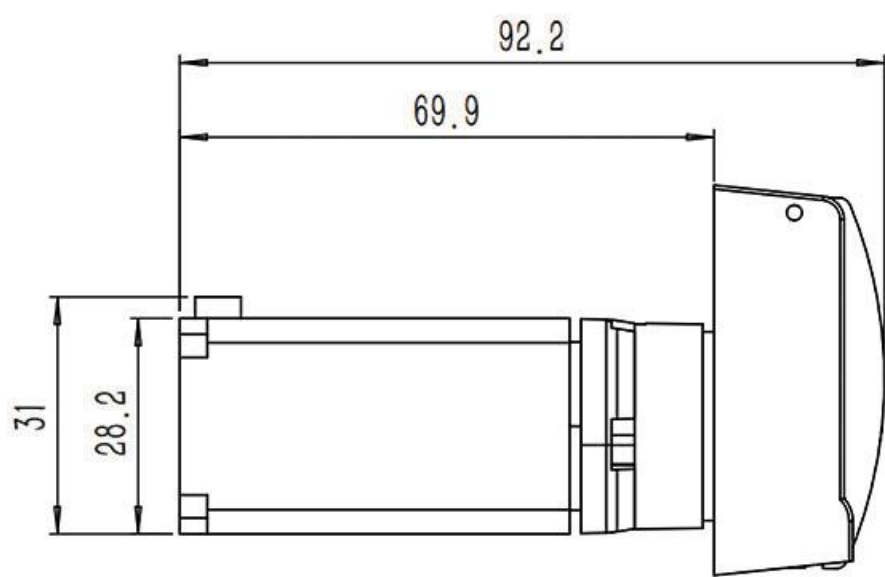
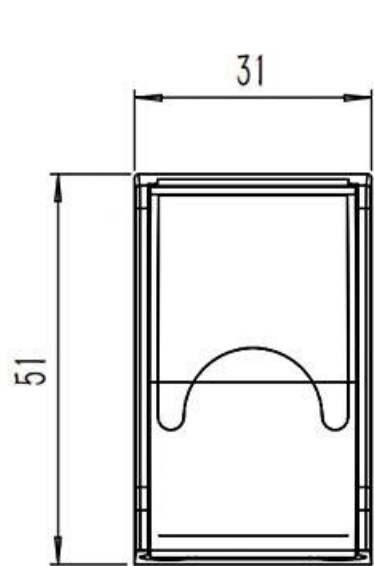
Typical Application

- | Elastic upper pressure block extends tubing life.
- | Semi-transparent cover for easy visual inspection.
- | Compact size.

Technical Specifications					
Model	Tubing No.IDxWT (mm)	mL/r	Speed (rpm)	Flow rate range (mL/min)	Weight (Kg)
KV10	1x1	0.030	0.1-300	0.0030-9.05	0.04
	2x1	0.096		0.0096-28.66	
	0.5x0.8	0.010		0.0010-3.0	
	2.4x0.8	0.114		0.0114-34.21	
	1.02x0.86	0.028		0.0028-8.4	
	1.52x0.86	0.052		0.0052-15.6	
	2.06x0.86	0.075		0.0075-22.49	

OEM-KVB001

Dimension Drawing(Unit: mm)

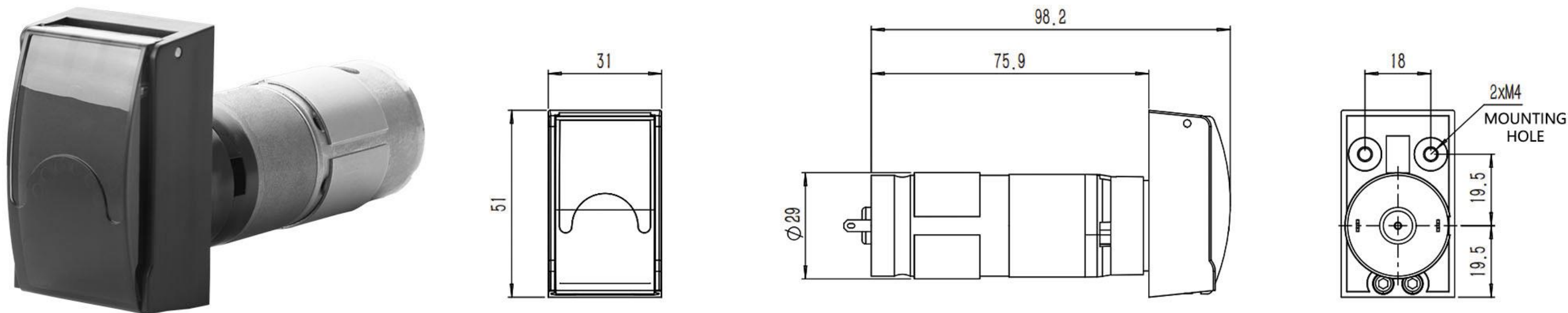


OEM-KVB001 Technical Specifications			
Speed range	0.1-300rpm	Motor stepping angle	1.8°
Flow rate range	0.0028-34.21mL/min	Motor phase current	1.0A
Motor type	28 stepper motor	Operating environment	0-40°C, < 80%RH, non-condensing
Motor phase number	2		

Compact Pump Head

OEM-KVZ001

Dimension Drawing(Unit: mm)

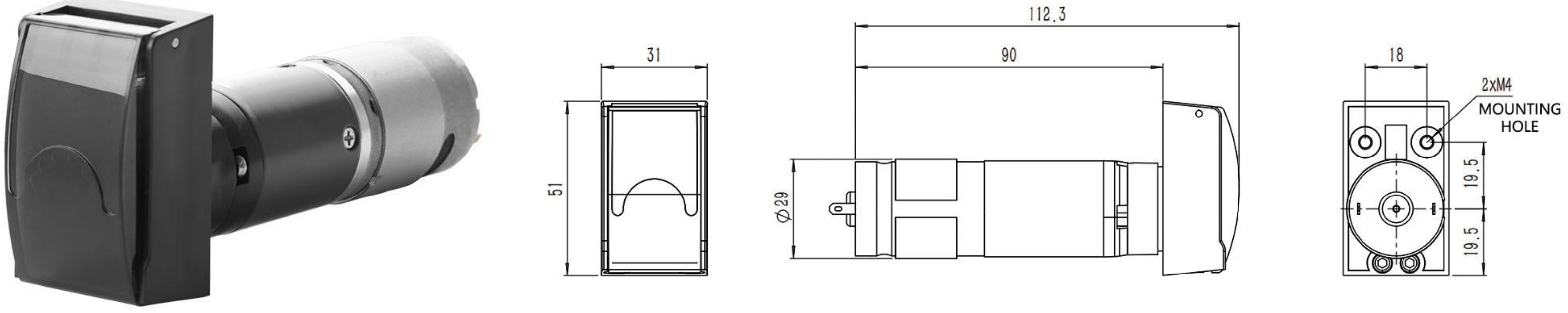


OEM-KVZ001 Technical Specifications

Motor speed	300rpm	Flow rate	≤34.21mL/min
Speed error	≤±10%	Operating power supply	DC24V
Motor type	28 DC Geared Motor	Operating environment	0-40℃, < 80%RH, non-condensing

OEM-KVXZ001

Dimension Drawing(Unit: mm)



OEM-KVXZ001 Technical Specifications

Motor speed	300rpm	Flow rate	≤34.21mL/min
Speed error	≤±10%	Operating power supply	DC24V
Motor type	28 DC Planetary Geared Motor	Operating environment	0-40℃, < 80%RH, non-condensing

Tubing Installation Procedure



1.Lift the protective cover upward to open the pump head.



2.Insert the tubing into the pump head, and secure the tubing connectors into the lower slots.



3.Close the protective cover downward to complete tubing installation.

Compact Pump Head

KD15/KD25

Organic solvent resistant materials.



(4 rollers)

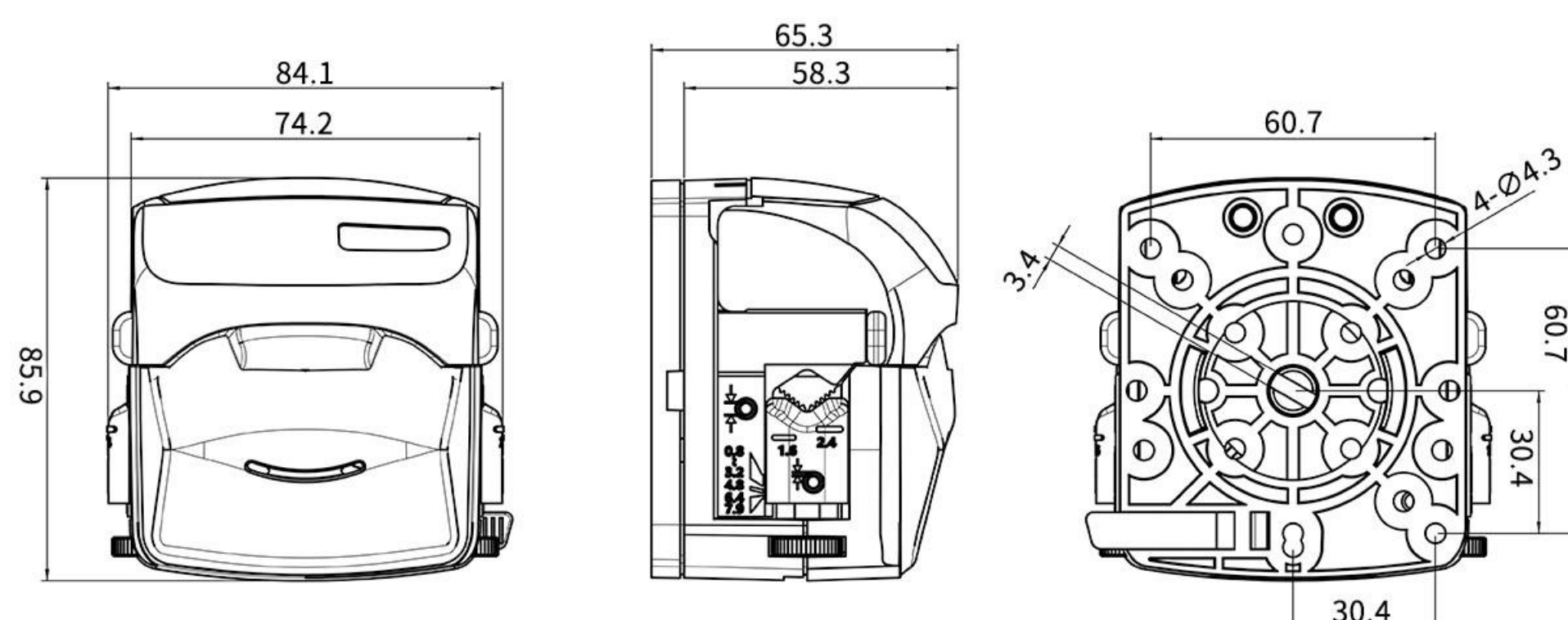
Product Introduction

KD15/KD25 series, compact type peristaltic pump head, is easy to operate, for opening the upper block by flipping the cover, that enables quick tubing replacement. Rubbing mechanism can adjust lower tube clamp position, to fix different materials and diameters tubing. The product is divided into 3 rollers and 4 rollers, and can use tubing with two different wall thicknesses: 1.6mm wall thickness and 2.4mm wall thickness. Customers can flexibly choose according to their own needs.

Typical Application

- Easy to operate with a flip-top design, allowing for quick tubing replacement.
- Sleek appearance with smooth and elegant lines.
- Roller adjustment mechanism allows easy fixation of tubing with different diameters and materials.
- Various rollers support tubing with multiple wall thicknesses, offering flexible options.
- Supports multiple pump heads in series, providing convenience for users.
- Optional lid-open stop function

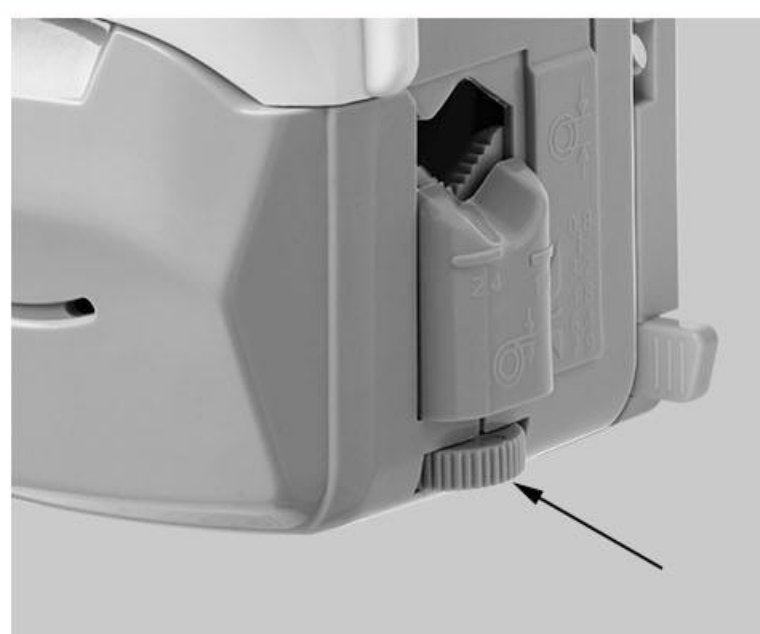
Dimension Drawing (Unit: mm)



Tubing Installation Procedure



1. Lift the flip top of the pump head to open the pump head.



2. Rubbing wheel adjustment



3. Put the tubing into the pump head.



4. Close the flip top of the pump head downward to complete the installation.

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.

Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Technical Specifications

Pump Head	Tubing	ID×Wall thickness(mm)	Speed (rpm)	Flow Rate(mL/min) (3 rollers)	Flow Rate(mL/min) (4 rollers)	Tubing pressure resistance(Mpa)		Weight (kg)
						Continuous	Intermittent	
KD15	13 [#]	0.8x1.6	0.1-600	0.0083-50.3	0.0079-47.37	0.27	0.17	0.37
	14 [#]	1.6x1.6		0.0281-168.4	0.0267-160.37			
	19 [#]	2.4x1.6		0.0613-367.97	0.0544-326.13			
	16 [#]	3.2x1.6		0.1006-603.5	0.0942-565.47	0.24	0.14	
	25 [#]	4.8x1.6		0.2243-1345.83	0.2103-1262			
	17 [#]	6.4x1.6		0.3297-1978.1	0.2915-1748.93			
	18 [#]	7.9x1.6		0.5047-3027.97	0.4483-2690	0.10	0.07	
KD25	15 [#]	4.8x2.4	0.2513-1507.6	0.1979-1187.55	0.27	0.17		
	24 [#]	6.4x2.4	0.3912-2346.95	0.2909-1745.5				

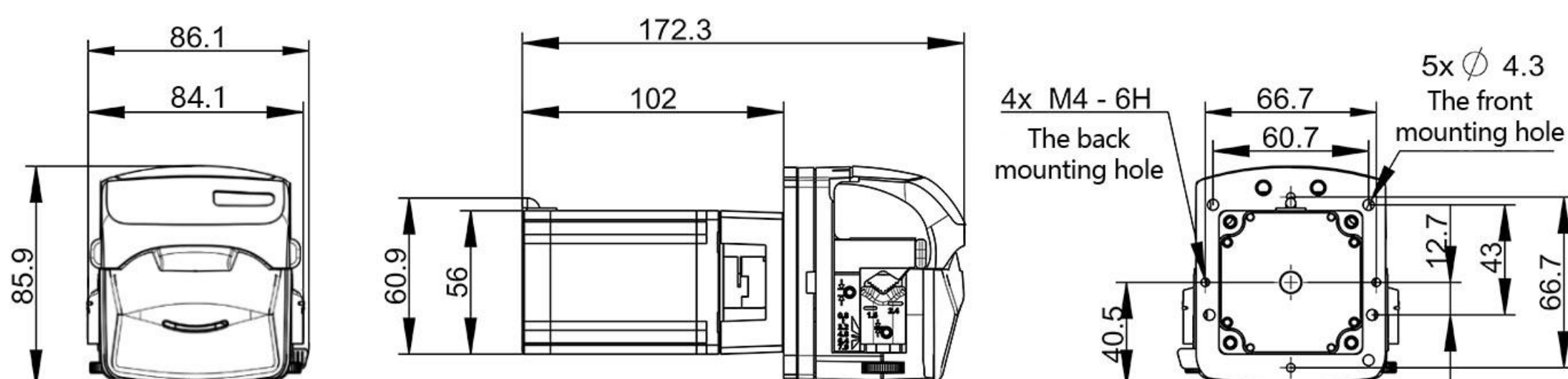
OEM Product

Compact Pump Head KD15/KD25

OEM-KDB201



Dimension Drawing(Unit: mm)



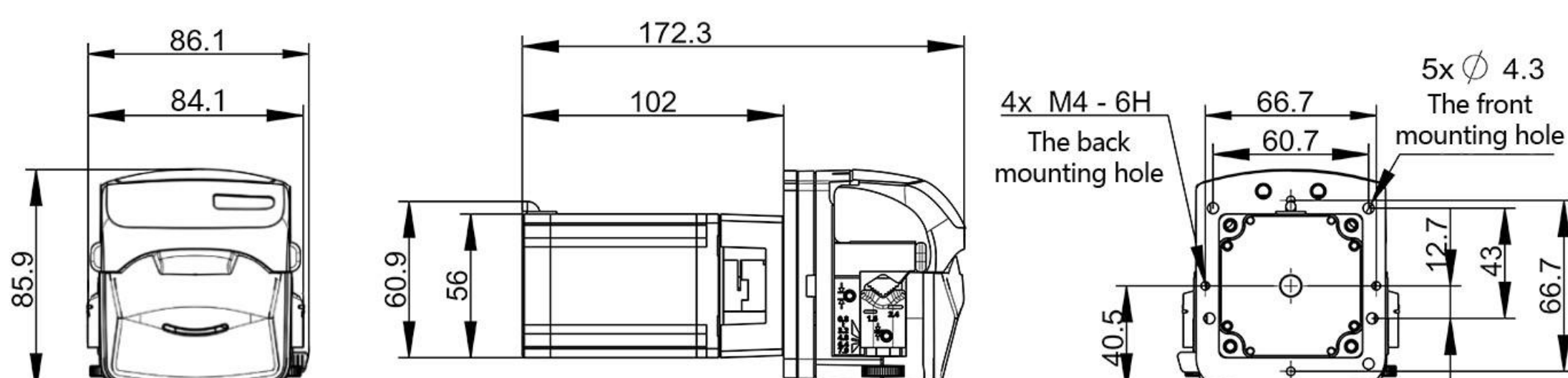
OEM-KDB201 Technical Specifications

Speed range	0.1-600rpm	Motor step angle	1.8°
Flow rate range	0.0079~3027.97mL/min	Motor phase current	3.0A
Motor type	57 stepper motor	Working environment	0-40°C, < 80%RH no condensation
Motor phase number	2		

OEM-KDB202



Dimension Drawing(Unit: mm)



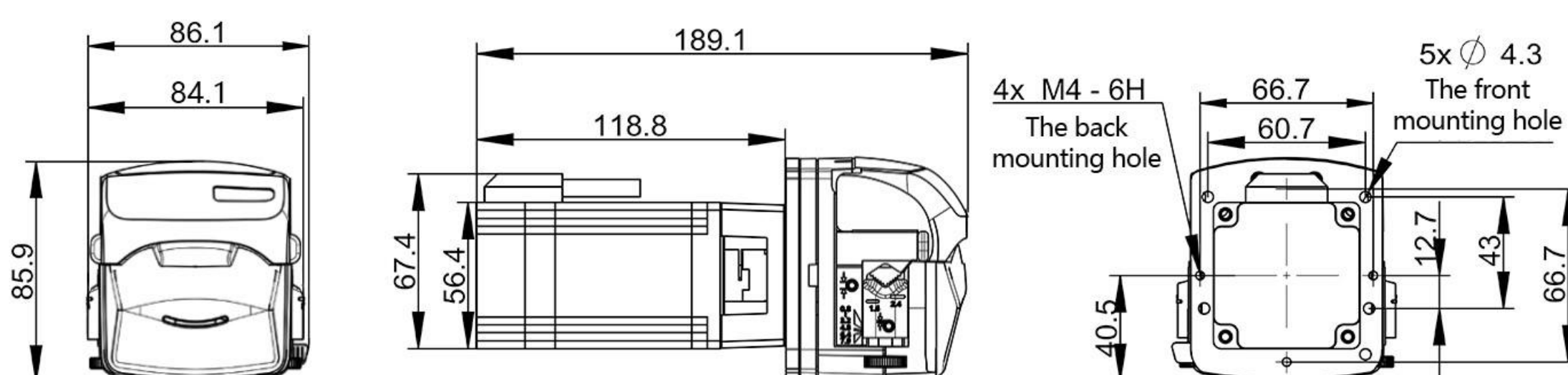
OEM-KDB202 Technical Specifications

Speed range	0.1-600rpm	Motor type	57 stepper motor
Flow rate range	0.0079~3027.97mL/min	Working power supply	DC18~50V(Recommended 36V), ≥80W
Speed control method	External input pulse frequency speed regulation	Logical input voltage	DC5V
Subdivision setting	The four-position dip switch setting (default setting: 16 subdivisions).	Working environment	0-40°C, < 80%RH no condensation
Current setting	The three-position dip switch setting (default setting: 2.84A).		

OEM-KDB301



Dimension Drawing(Unit: mm)



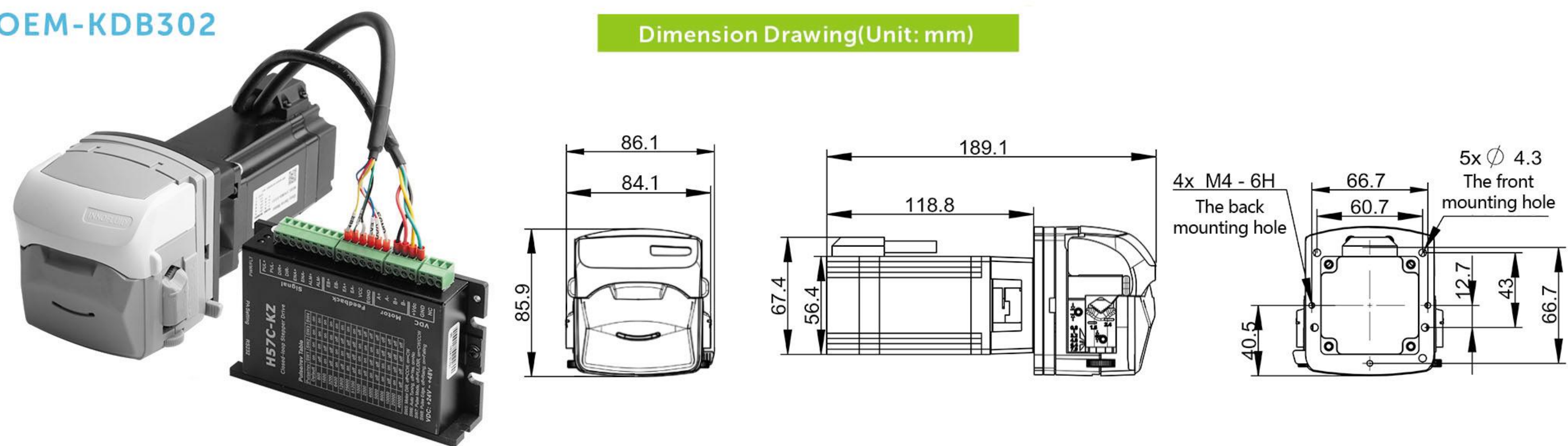
OEM-KDB301 Technical Specifications

Speed range	0.1-600rpm	Motor phase voltage	1.9V
Flow rate range	0.0079~3027.97mL/min	Encoder supply voltage	DC5V ($\pm$ 10%)
Motor type	57 Closed-loop stepper motor	Encoder resolution	1000 pulses
Motor phase number	2	Working environment	0-40°C, < 80%RH no condensation
Motor step angle	1.8°		

OEM Product

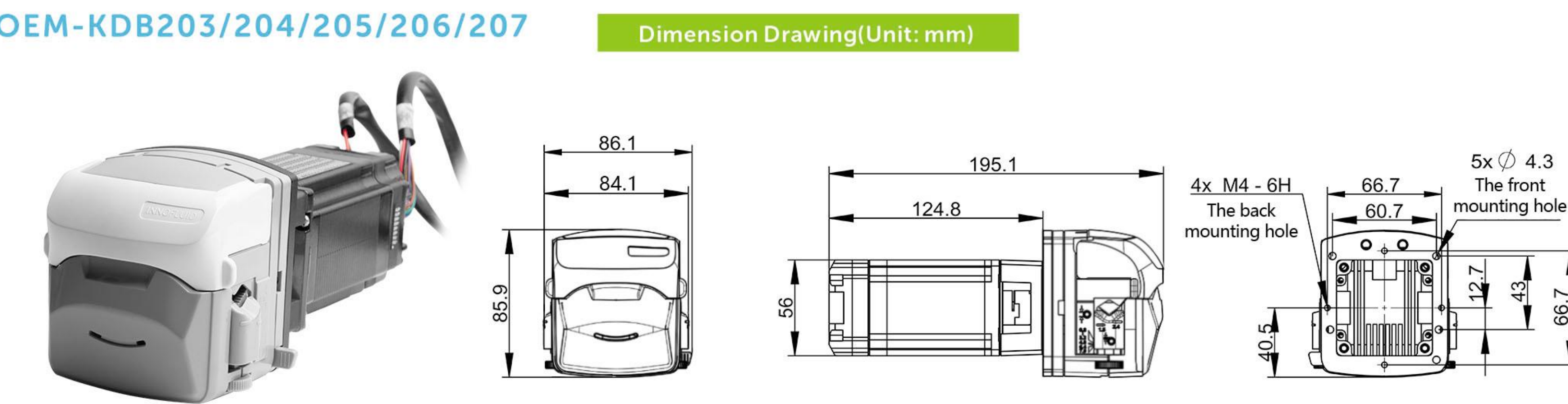
Compact Pump Head KD15/KD25

OEM-KDB302



OEM-KDB302 Technical Specifications			
Speed range	0.1-600rpm	Motor type	57 stepper motor
Flow rate range	0.0079~3027.97mL/min	Working power supply	DC18~50V(Recommended 36V),≥80W
Speed control method	External input pulse frequency speed regulation	Logical input voltage	DC5V
Subdivision setting	The four-position dip switch setting (default setting: 16 subdivisions).	Working environment	0-40°C, < 80%RH no condensation
Current setting	Adaptive current		

OEM-KDB203/204/205/206/207



OEM-KDB203 Technical Specifications			
Speed range	0.1-600rpm	Subdivision setting	1/16 (default), DIP switch can set multiple subdivisions
Flow rate range	0.0079~3027.97mL/min	Working power supply	DC18~50V(Recommended 36V),≥80W
Motor type	Closed-loop stepper integrated motor	Logical input voltage	DC3.3V-5V
Speed control method	External input pulse frequency speed regulation	Working environment	0-40°C, < 80%RH no condensation

OEM-KDB204/OEM-KDB205/OEM-KDB206 Technical Specifications			
Speed range	0.1-600rpm	Speed control method	OEM-KDB204: External analog speed control 4-20mA
			OEM-KDB205: External analog speed control 0-5V
			OEM-KDB206: External analog speed control 0-10V
Flow rate range	0.0079~3027.97mL/min	Working power supply	DC18~50V(Recommended 36V),≥100W
Motor type	Closed-loop stepper integrated motor	Logical input voltage	DC3.3V-5V
Control method	Switching signal control for start/stop and direction change	Working environment	0-40°C, < 80%RH no condensation

OEM-KDB207 Technical Specifications			
Speed range	0.1-600rpm	Control method	RS485
Flow rate range	0.0079~3027.97mL/min	Working power supply	DC18~50V(Recommended 36V),≥100W
Motor type	Closed-loop stepper integrated motor	Working environment	0-40°C, < 80% no condensation

Compact Pump Head

KT15

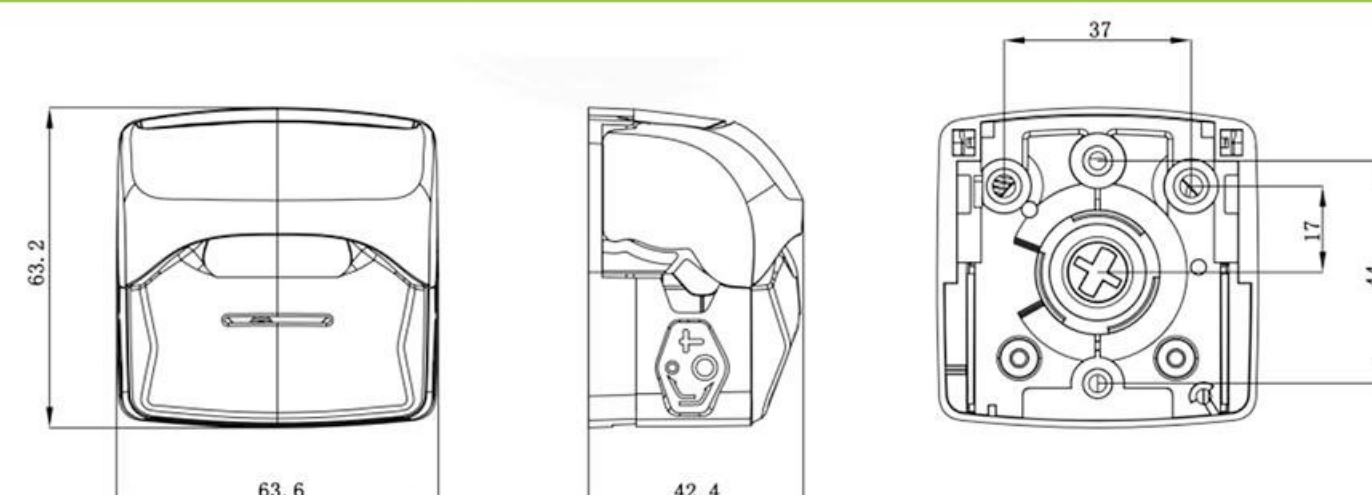


Product Introduction

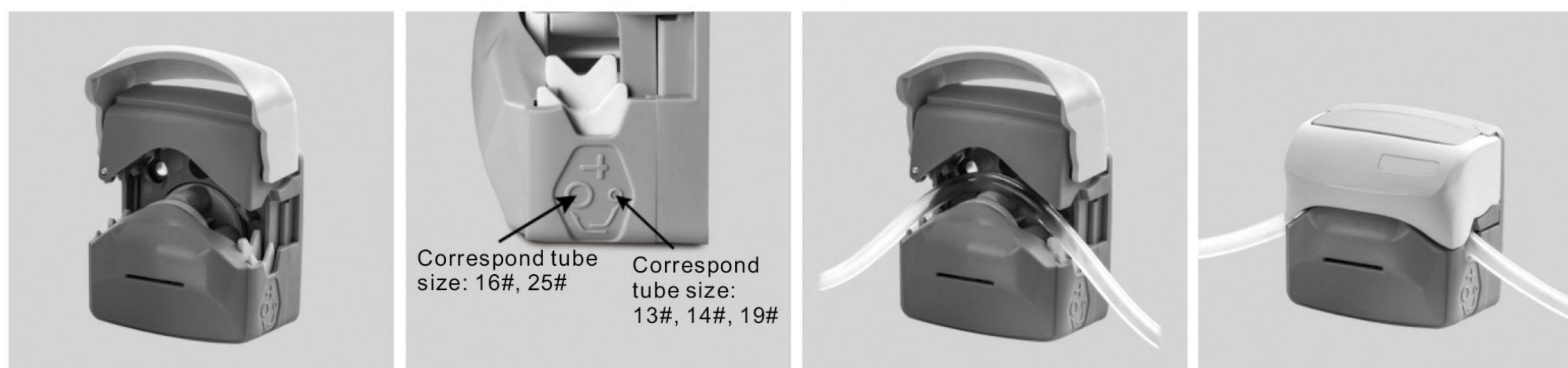
Exquisite appearance, small size. The upper pressing block is opened by a turning method, and the operation is simple. The elastic upper block can reduce tubing wear. Quickly replace tubing with self-adaptive tube clamp. Suitable for 5 different sizes of tubes to meet different flow rate requirements.

Optional lid-open stop function

Dimension Drawing (Unit: mm)



Tubing Installation Procedure



1. Lift the flip top of the pump head to open the pump head.

2. Adjust the tube holder to the position corresponding to the installed size.

3. Put the tubing into the pump head.

4. Close the flip top of the pump head downward to complete the installation.

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.

Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

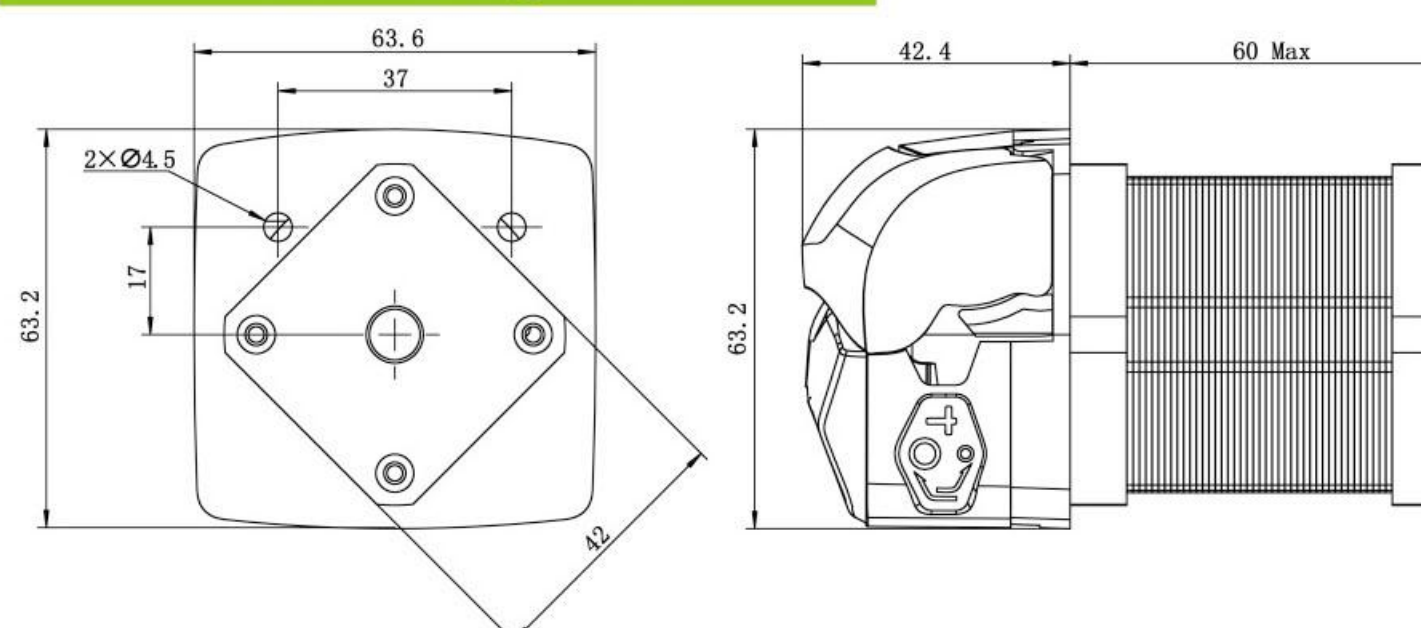
Technical Specifications

Pump Head	Channel number	Tubing	ID×Wall thickness(mm)	mL / r	Speed(rpm)	Flow Rate(mL/min)	Weight(kg)
KT15	Single channel	13 [#]	0.8×1.6	0.033	0.1~600	0.0033~19.97	0.096
		14 [#]	1.6×1.6	0.156		0.0156~93.42	
		19 [#]	2.4×1.6	0.286		0.0286~171.6	
		16 [#]	3.2×1.6	0.477		0.0477~286.32	
		25 [#]	4.8×1.6	0.933		0.0933~560.04	

OEM-KTB001 (42 stepper motor)



Dimension Drawing (Unit: mm)



OEM-KTB001 Technical Specifications

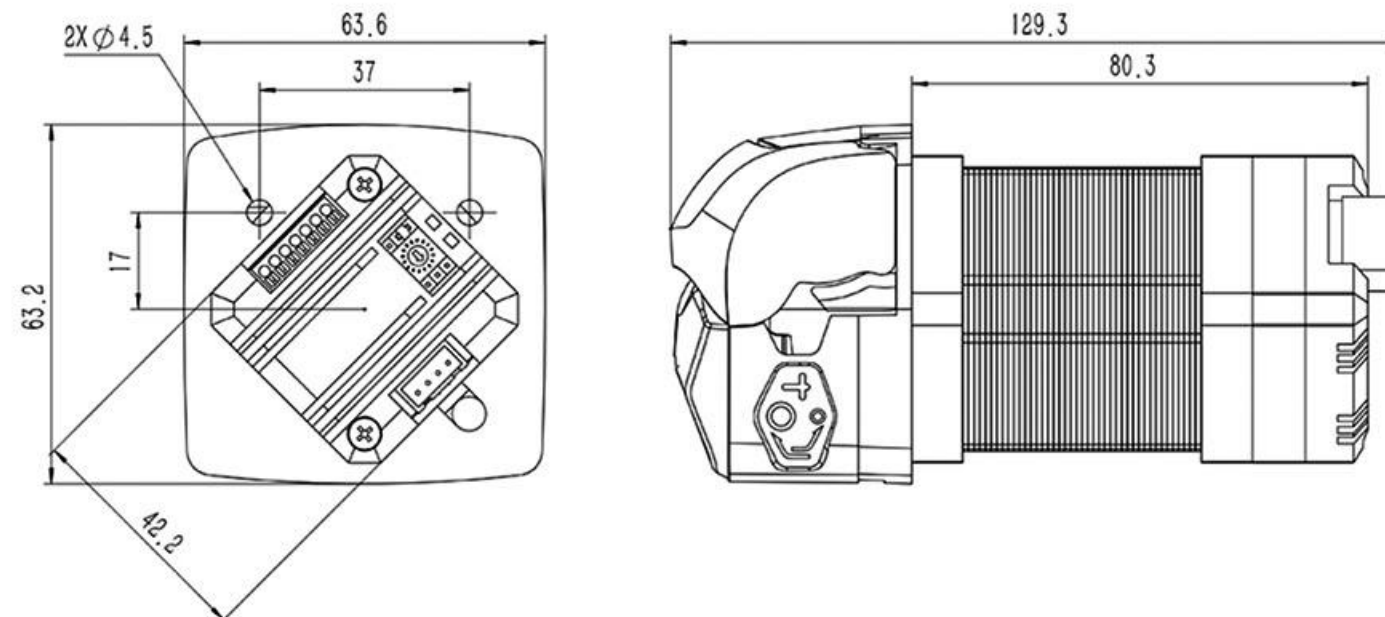
Speed range	0.1-400rpm	Motor step angle	1.8°
Flow rate range	0.0033-373.2mL/min	Motor phase current	1.7A
Motor type	42 stepper motor	Working environment	0-40°C, <80%RH no condensation
Motor phase number	2		

OEM Product

Compact Pump Head KT15

OEM-KTB031/032/033(42 stepper motor)

Dimension Drawing(Unit: mm)

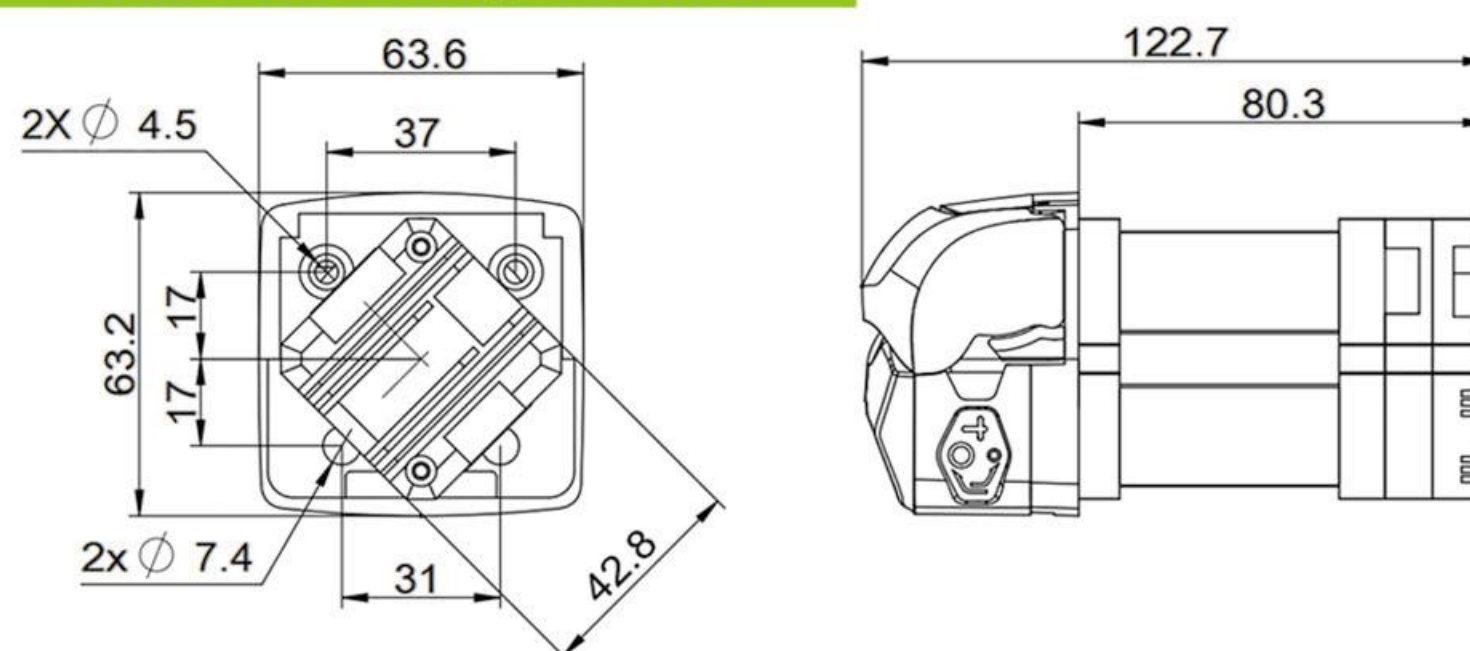


OEM-KTB031/KTB032/KTB033 Technical Specifications

Speed range	0.1-400rpm (Configurable via host software)	Motor type	42 Stepper motor
Flow rate range	0.0033-373.2mL/min	Control method	Start/stop and direction reversal controlled by passive signal or active signal
Speed control	OEM-KTB031: 4-20mA analog signal	Power Supply	DC24V~DC36V(Recommended DC24V), ≥50W
	OEM-KTB032: 0-5V analog signal		
	OEM-KTB033: 0-10V analog signal		
Operation Modes	Fixed speed/external analog input mode (selectable via DIP switch)	Working Environment	0-40°C, <80%RH No condensation

OEM-KTB028/029/030(Integrated closed-loop stepper motor)

Dimension Drawing(Unit: mm)

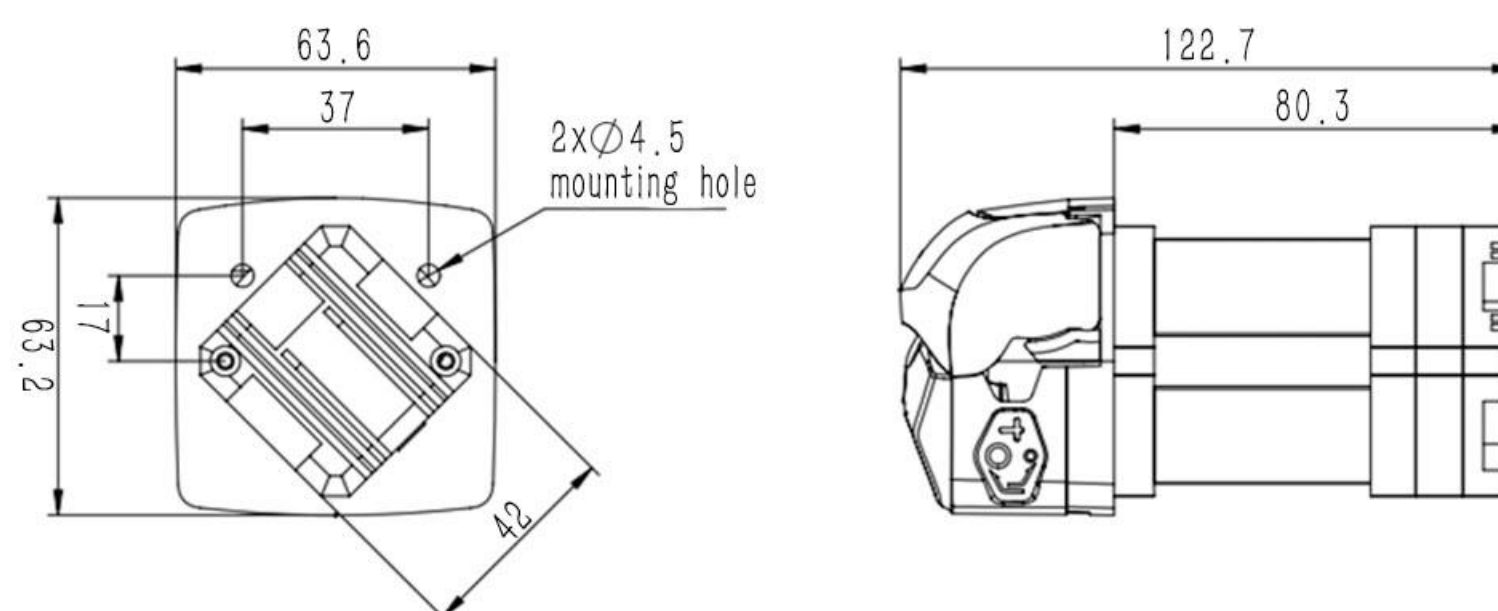


OEM-KTB028/KTB029/KTB030 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0033-560.04mL/min	Output Signal	Open collector output
Control Modes	Start/stop and direction reversal controlled by passive signal or active signal (3.3V-5V)	Speed control	OEM-KTB028: External analog speed control 4-20mA OEM-KTB029: External analog speed control 0-5V OEM-KTB030: External analog speed control 0-10V
Control Method Signal Logic	Operation via optocoupler conduction/cut-off (Configurable via host software)	Power Supply	DC24V~DC36V(Recommended DC24V), ≥50W
Operation Modes	Fixed speed/external analog input mode(selectable via DIP switch)	Working Environment	0-40°C, <80%RH No condensation

OEM-KTB025

Dimension Drawing(Unit: mm)

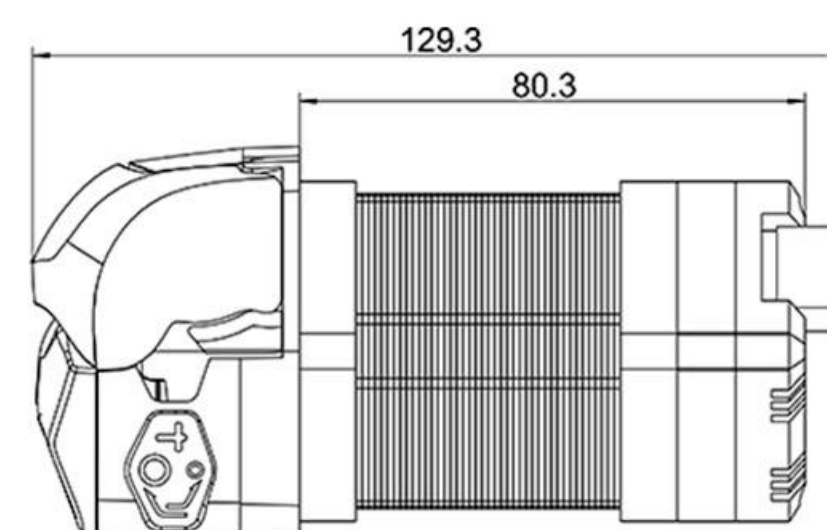
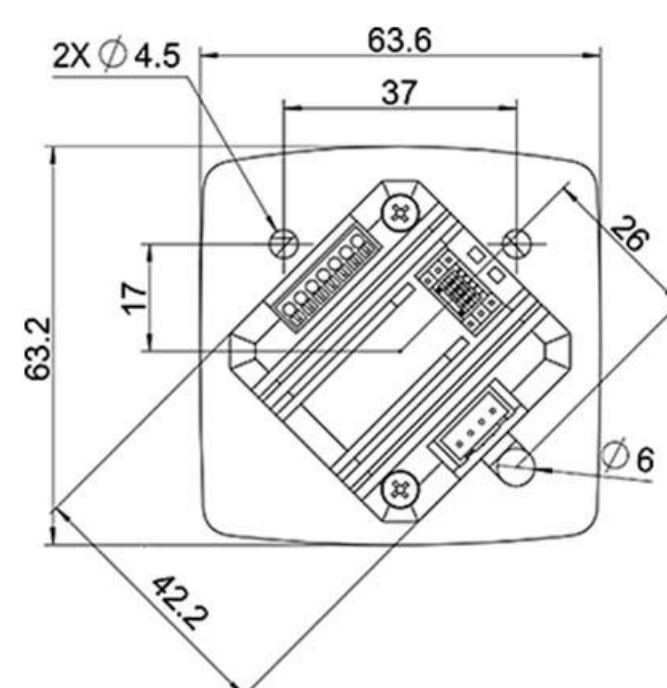


OEM-KTB025 Technical Specifications

Speed range	0.1-600rpm	Motor type	Closed-loop stepper integrated motor
Flow rate range	0.0033-560.04mL/min	Output signal	Open collector output
Control method	RS485 communication	Power supply	DC24V-DC36V, ≥50W
Communication address	1-128 (default is 1 at the factory), adjustable via DIP switch or communication	Working environment	0-40°C, < 80%RH no condensation

OEM-KTB035

Dimension Drawing(Unit: mm)

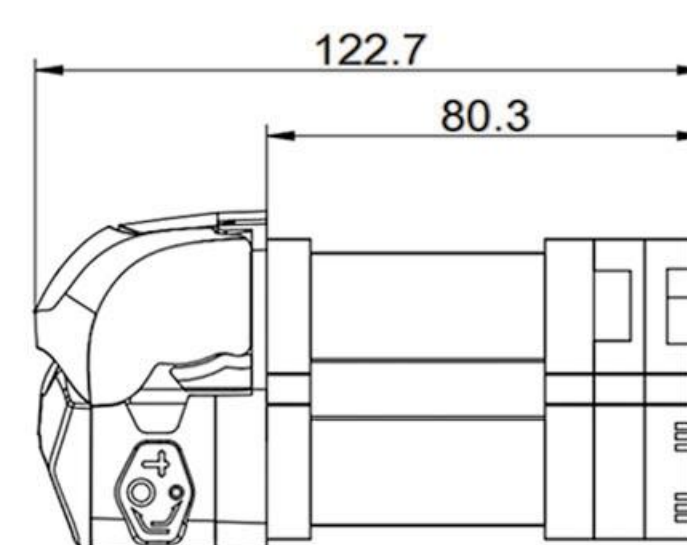
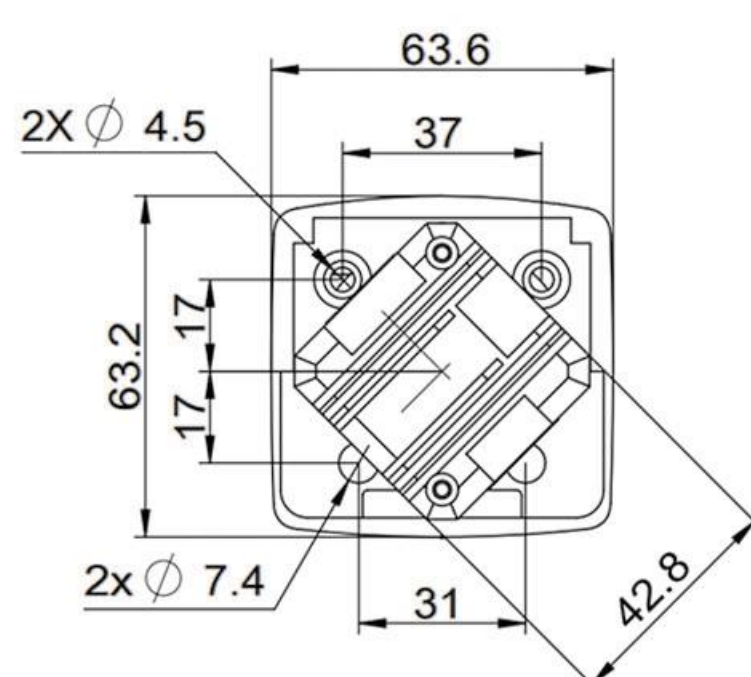


OEM-KTB035 Technical Specifications

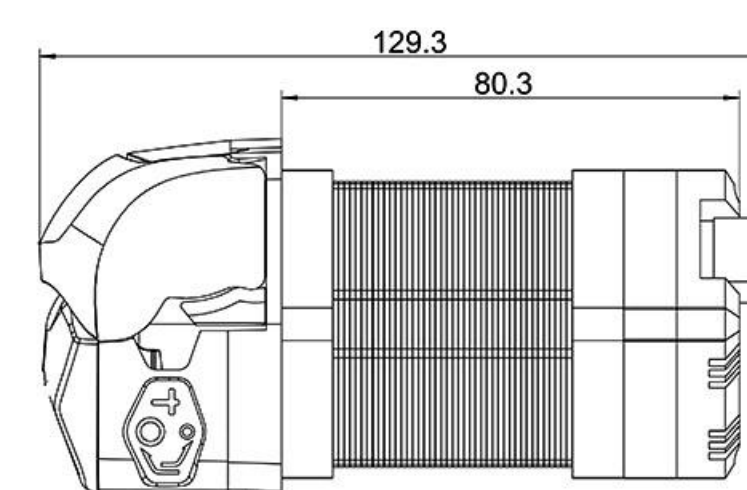
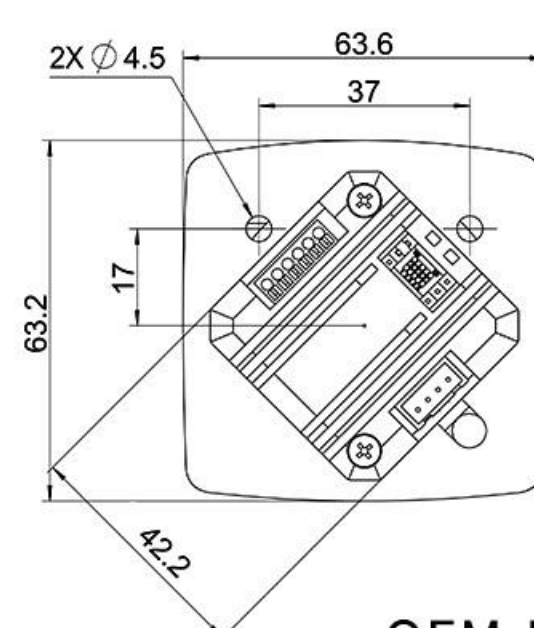
Speed range	0.1-400rpm	Motor type	42 Stepper motor
Flow rate range	0.0033-373.2mL/min	Power Supply	DC24V~DC36V(RecommendedDC24V), ≥36W
Control Modes	RS485 communication (Modbus protocol)	Working Environment	0-40°C, <80%RH No condensation
Start/stop,direction control	It also supports RS485 and passive switch signal control for start/stop/reversal		

OEM-KTB016/KTB041

Dimension Drawing(Unit: mm)



OEM-KTB016 Dimension Drawing



OEM-KTB041 Dimension Drawing

OEM-KTB016 Technical Specifications

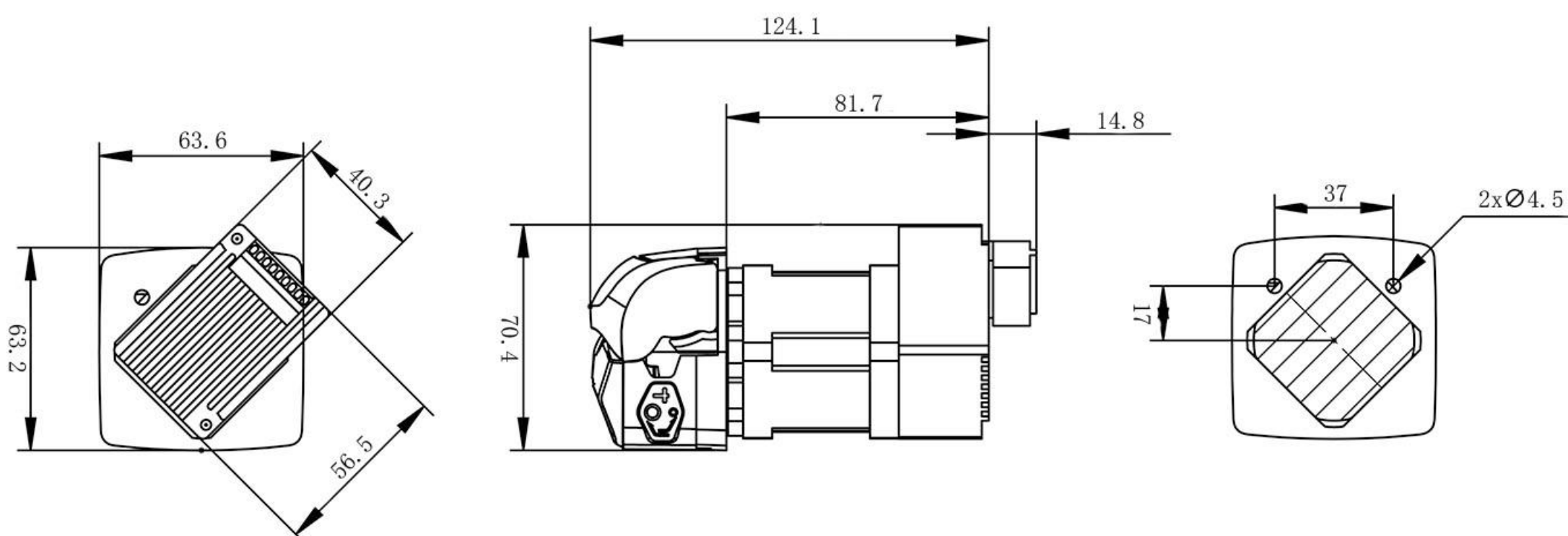
Speed range	0.1-600rpm	Motor Type	Integrated closed-loop stepper motor
Flow rate range	0.0033-560.04mL/min	Logic Input Voltage	DC3.3V-5V
Speed Control	External input pulse speed regulation	Output Signal	Open collector output
Microstepping	1/16 (Default) ,selectable via DIP switch	Power Supply	DC24V~DC36V(Recommended DC24V), ≥50W
Input signal	Supports common cathode, common anode, and differential connection methods.	Working Environment	0-40°C, <80%RH No condensation

OEM-KTB041 Technical Specifications

Speed range	0.1-400rpm	Motor Type	42 Stepper motor
Flow rate range	0.0033-373.2mL/min	Logic Input Voltage	5-24V
Speed Control	Internal fixed speed mode (configurable via DIP switch and communication) and external input pulse frequency speed regulation	Power Supply	DC24V~DC36V(Recommended DC24V), ≥36W
Microstepping	1/16(Recommended), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128, 1/256	Working Environment	0-40°C, <80%RH No condensation
Input signal	Supports common cathode and common anode methods.		

OEM-KTB012

Dimension Drawing(Unit: mm)

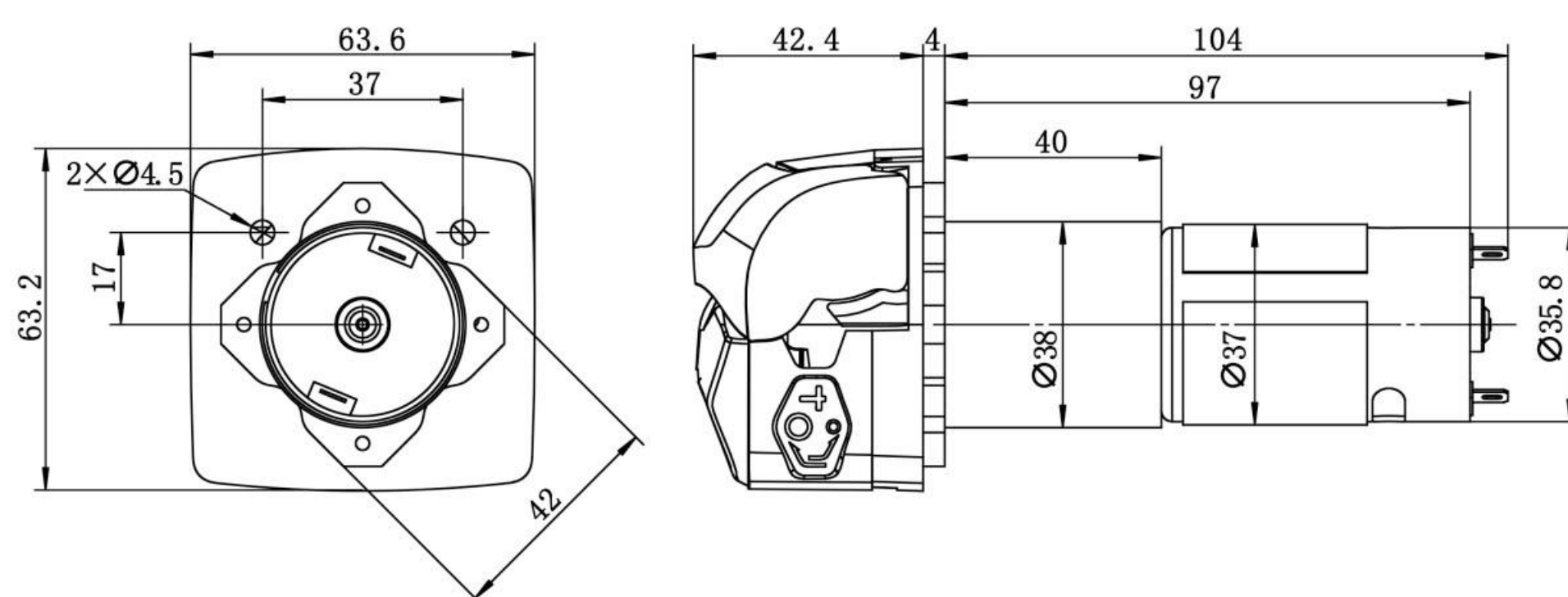


OEM-KTB012 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0033-560.04mL/min	Power supply	DC24V, ≥36W
Speed control	Pulse signal control speed, RS485	Logic input voltage	DC5V
Subdivisions	1/16(Default), can be set through RS485	Working environment	0-40°C, <80%RH no condensation

OEM-KTXZ001(DC motor)

Dimension Drawing(Unit: mm)

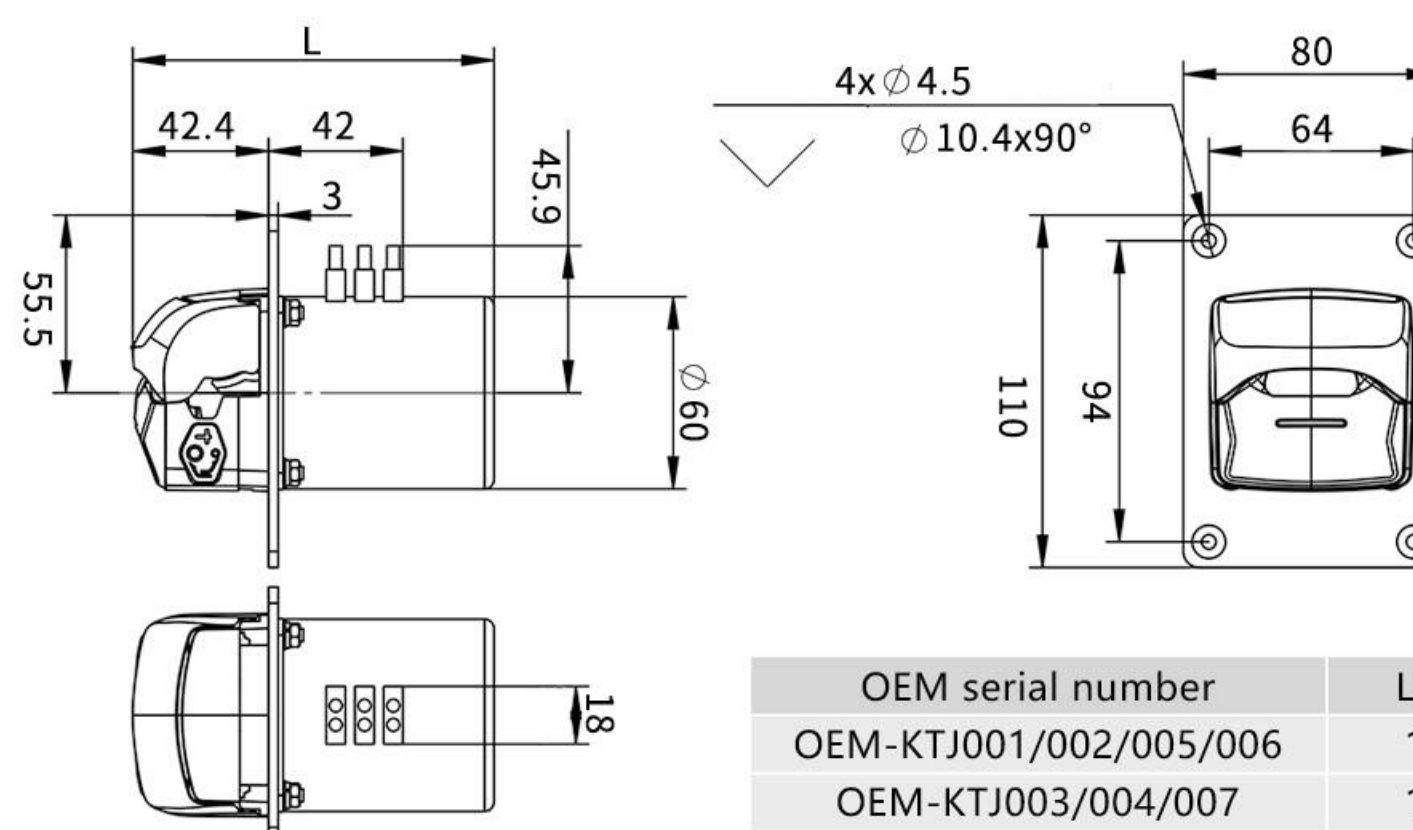


OEM-KTXZ001 Technical Specifications

Speed range	350rpm	Power supply	DC24V/12V
Speed error	≤±10%	Working environment	0-40°C, <80%RH no condensation
Motor type	DC geared motor		

OEM-KTJ Series

Dimension Drawing(Unit: mm)



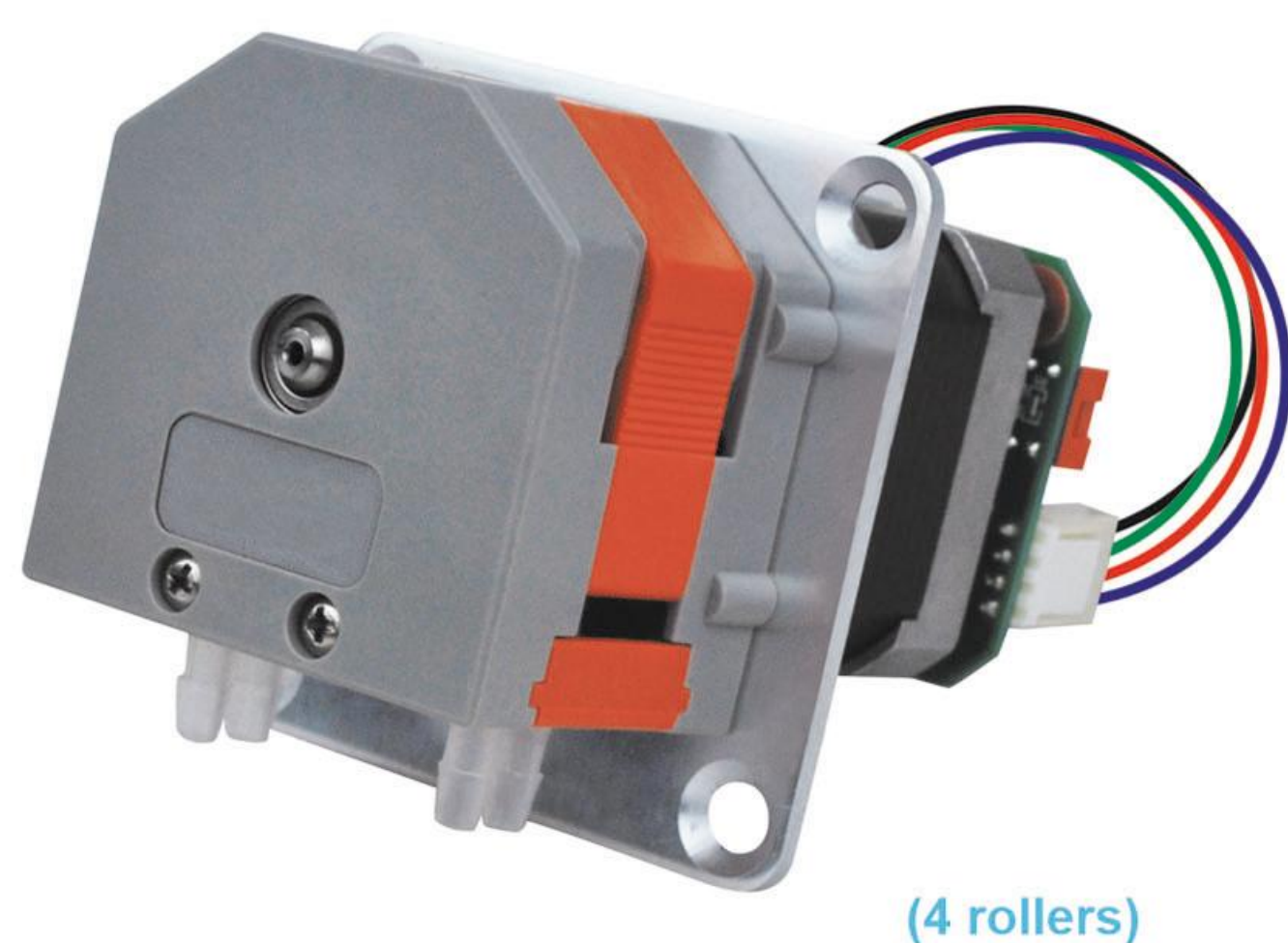
OEM serial number	L(mm)
OEM-KTJ001/002/005/006	105.9
OEM-KTJ003/004/007	112.9

OEM-KTJ Series Technical Specifications

Model	Pump Head	Motor Type	Power Supply	Speed(rpm)	Speed Error	Working Environment
OEM-KTJ001	KT15	AC synchronous motor	AC220V (Standard) AC110V (Optional)	15	≤±10%	0-40°C, <80%RH No condensation
OEM-KTJ002				30		
OEM-KTJ003				60		
OEM-KTJ004				100		
OEM-KTJ005			AC36V	15		
OEM-KTJ006				30		
OEM-KTJ007				60		

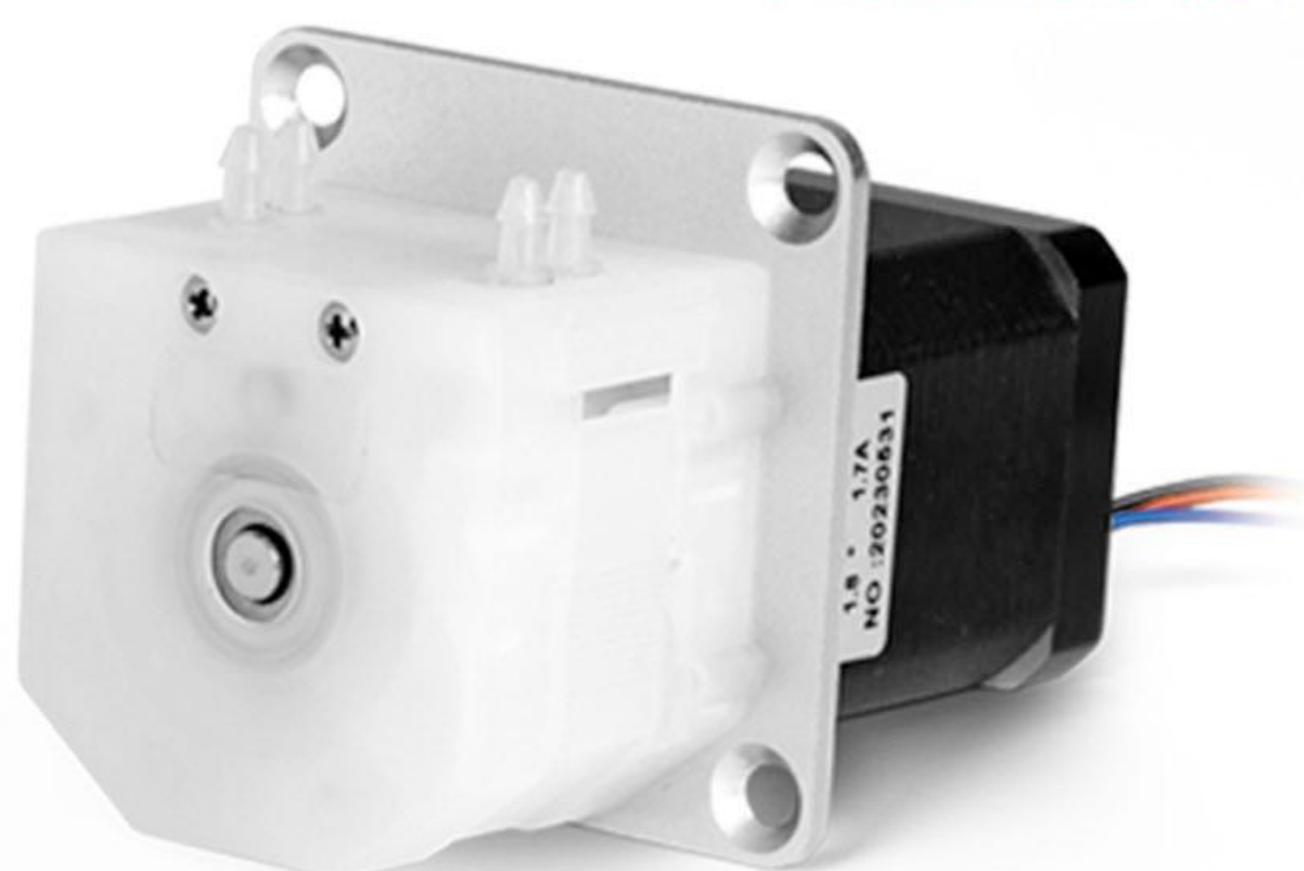
Compact Pump Head

MiniPump Series



(4 rollers)

Material: PVDF

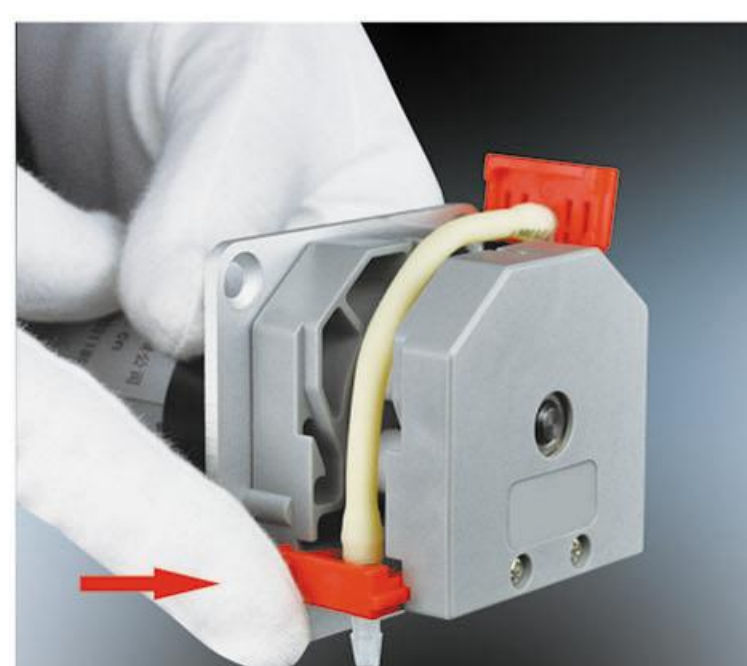


Features

- Attractive appearance, compact structure.
- Easy to operate and economical cost.
- Accept many kinds of motors to drive.
- Supply several colors of appearance, ideal for supporting analytical instruments.

Tubing Installation Procedure

A. Make the two tubing clamps align the slide way of pump head two sides.



B. Ensure that the tubing is in the middle of rollers, and push the clamps into the pump head.



C. Make the compression block align the upper slide way of pump head.

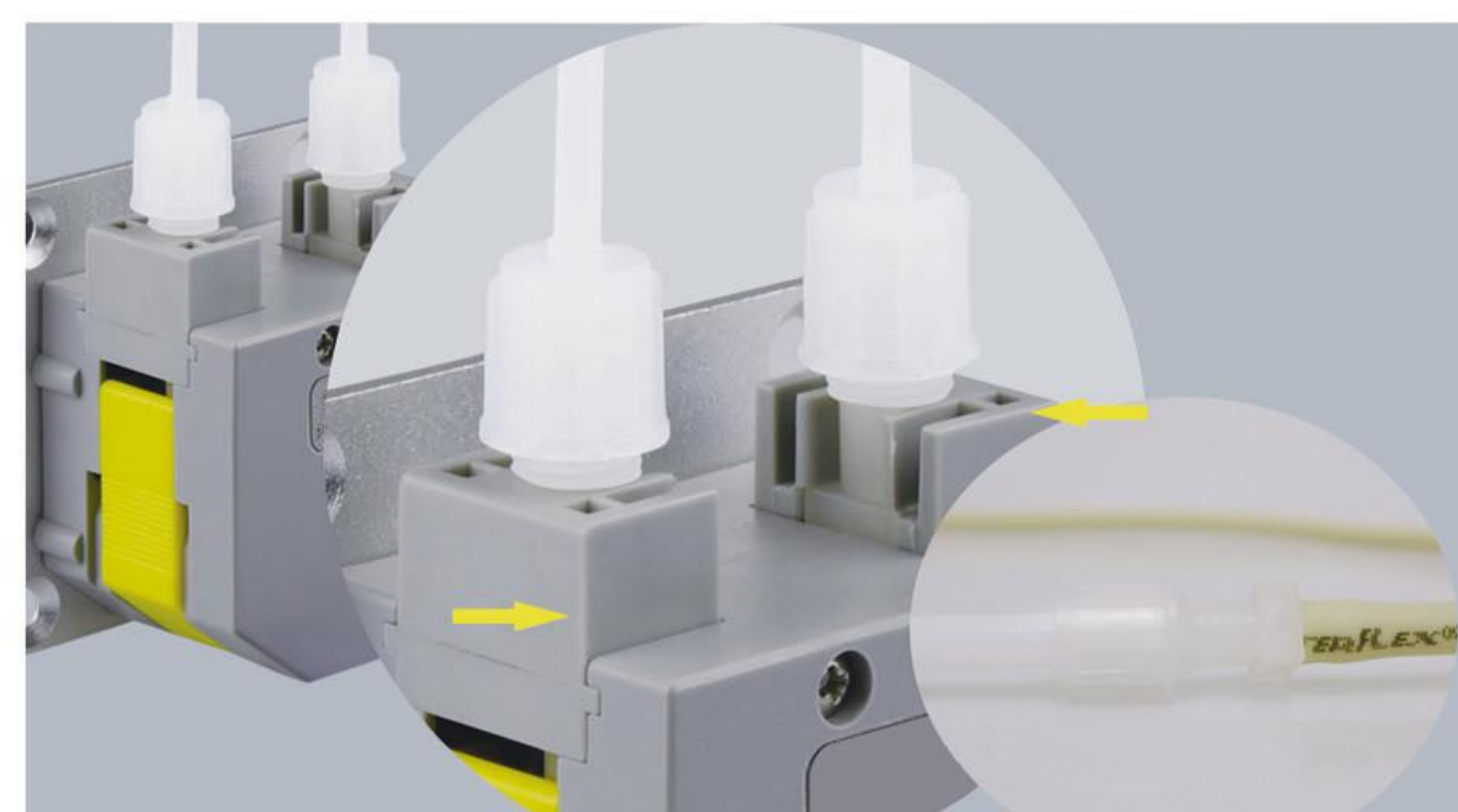


D. Press the compression block into the pump head, and ensure it fixed.



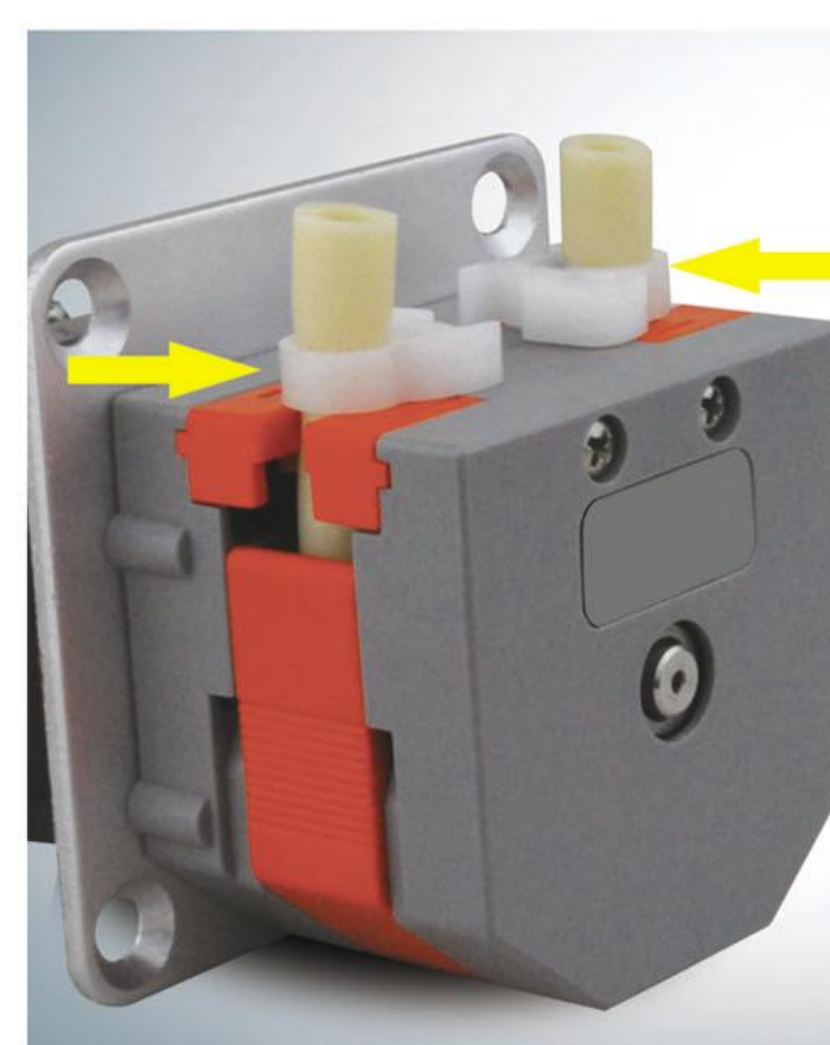
Product Introduction

Minipump series products which adopt compact and embedded design are more suitable for supporting a variety of instruments and equipments. Single and dual channel are optional. It accepts 8 kinds of tubing. Flow rates are 0.0024-190 mL/min. PharMed BPT long-life tubing from French Saint-Gobain is installed in internal part of pump head. Applicable motors for Minipump are stepper motor, DC motor, AC motor and other modes to drive with wide applications.



Soft tube connect to hard tube

Supporting conversion connector (soft tube transfer hard tube), connect directly with a variety of hard tubes.



Install hose without connector

1. Adopt special hygienic grade tube, The whole tube is installed.
2. No connection simplifies design to prevent leakage and pollution risk.

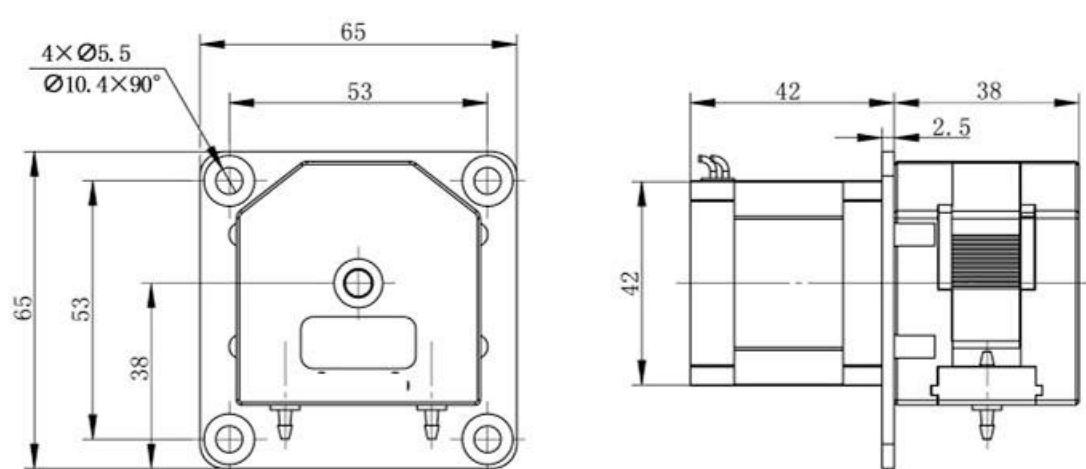
Typical Application

- Discharge condensate water in the flue gases survey meter.
- Support biochemistry analytical instruments.

OEM-B01



Dimension Drawing(Unit: mm)



OEM-B01 Technical Specifications

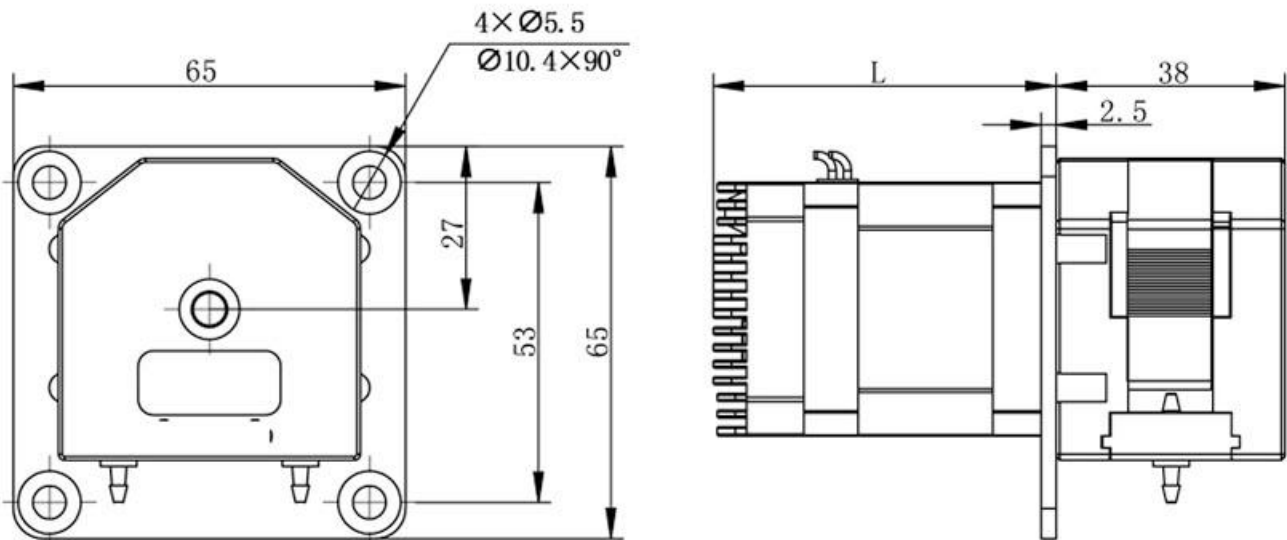
Speed range	0.1-300 rpm
Flow rate range	190mL/min
Motor type	42 stepper motor
Motor phase number	2
Motor step angle	1.8°
Motor phase voltage	2.2V
Motor phase current	1.0A
Working environment	0-40°C, <80%RH no condensation

OEM-B02, OEM-B022, OEM-B067(with drive module)



Dimension Drawing(Unit: mm)

Model No.	L
OEM-B02	57
OEM-B022	57
OEM-B067	83.5



OEM-B02 Technical Specifications

Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Speed control	Preset speed or serial port control
Motor type	42 stepper motor
Power supply	DC 24V, ≥24W
Working environment	0-40°C, <80%RH no condensation

OEM-B022 Technical Specifications

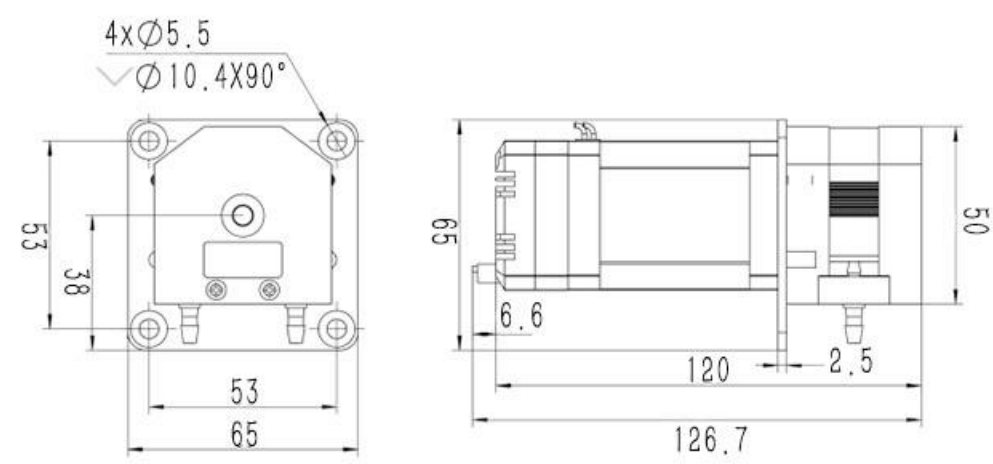
Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Speed control	Adjust speed by internal potentiometer
Motor type	42 stepper motor
Power supply	DC 24V, ≥24W
Working environment	0-40°C, <80%RH no condensation

OEM-B067 Technical Specifications

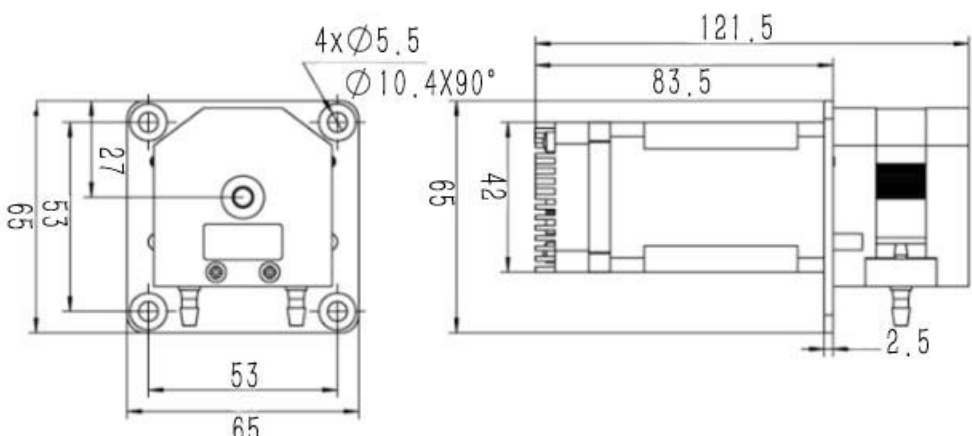
Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Speed control	External input pulse frequency speed control
Subdivision settings	1/16(recommend), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128
Motor type	42 stepper motor
Power supply	DC 24V, ≥36W
Working environment	0-40°C, <80%RH no condensation

OEM-B078/B079/B080
OEM-B060/B061

Dimension Drawing(Unit: mm)



OEM-B078/B079/B080 Dimension Drawing



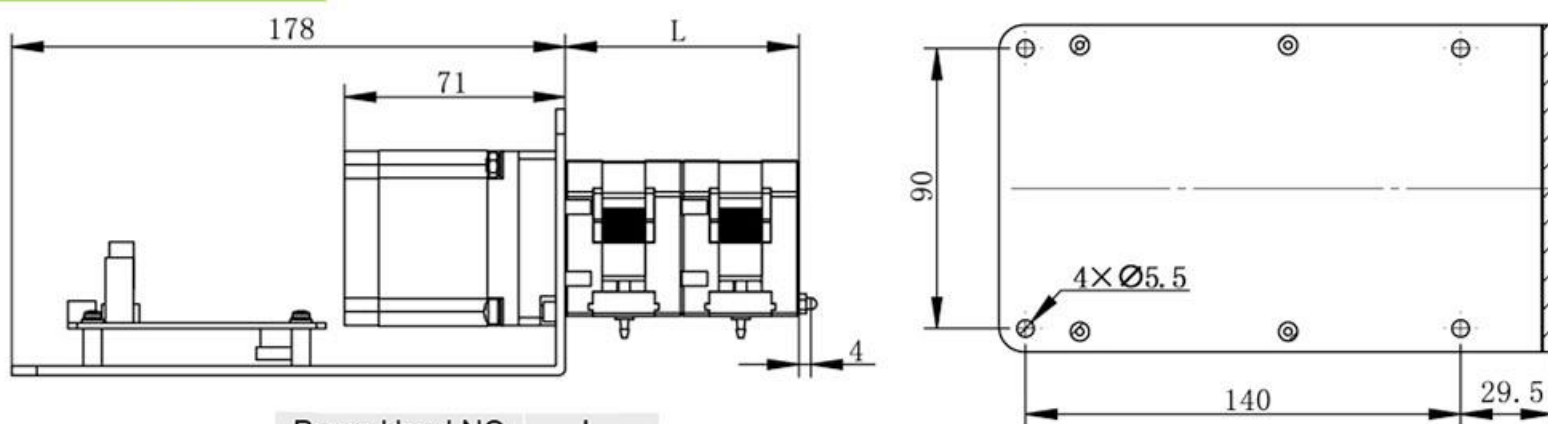
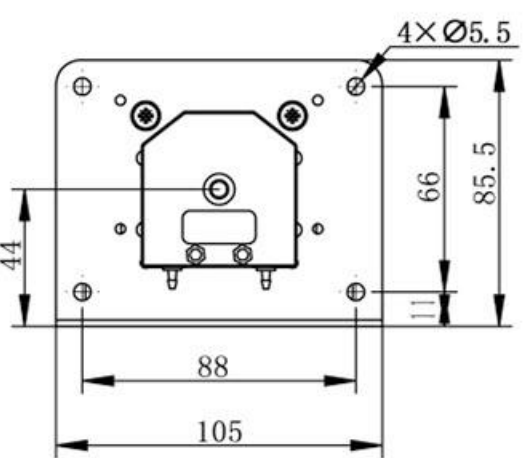
OEM-B060/B061 Dimension Drawing

Model No.	OEM-B078/B079/B080
Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Outer control	Passive switch signal control start/stop and direction OEM-B078: 4-20mA analog signal
Speed control	OEM-B079: 0-5V analog signal OEM-B080: 0-10V analog signal
Motor type	42 stepper motor
Power supply	DC24-36V (DC24V recommended), ≥36W
Working environment	0-40°C, <80%RH no condensation

Model No.	OEM-B060/OEM-B061
Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Outer control	OEM-B060:RS232 interface(Modbus) OEM-B061:RS485 interface(Modbus)
Motor type	42 stepper motor
Power supply	DC 24V, ≥36W
Working environment	0-40°C, <80%RH no condensation

OEM-B136, OEM-B137

Dimension Drawing(Unit: mm)



Pump Head NO.	L
2	75.6
3	113.4
4	151.2

OEM-B136 Technical Specifications

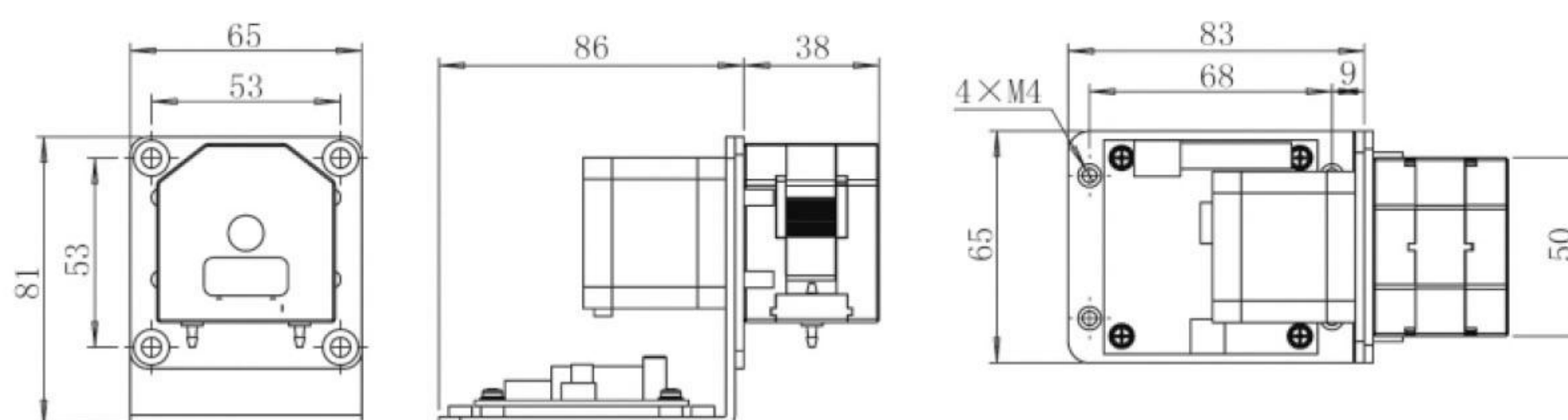
Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Speed control	Preset speed and manual control
Control mode	External passive signal level (normally closed or open) mode; control the start/stop of direction
Display(optional)	0.96" OLED screen
Motor type	57 stepper motor
Power supply	DC 24V, ≥50W
Working environment	0-40°C, <80%RH no condensation

OEM-B137 Technical Specifications

Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min
Speed control	Pulse frequency speed control
Logic input voltage	5V, 12V, 24V(default 5V)
Multiple segments	1/16(recommend), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128
Motor type	57 stepper motor
Power supply	DC 24V, ≥50W
Working environment	0-40°C, <80%RH no condensation

OEM-B013

Dimension Drawing(Unit: mm)

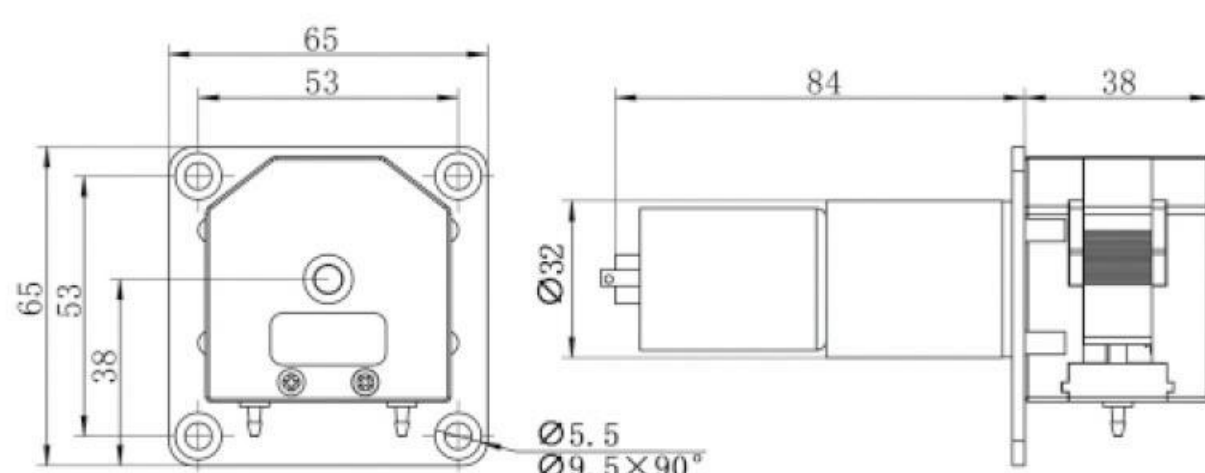
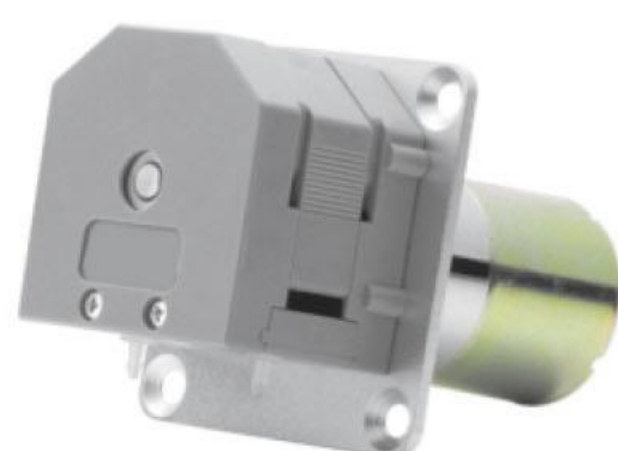


OEM-B013 Technical Specifications

Speed range	0.1-300rpm	Address setting	1-32
Flow rate range	0.0024-190mL/min	Motor type	42 stepper motor
Speed control	Communication control	Power supply	DC 24V, ≥24W
Communication interface	RS232, RS485 interface modbus protocol, control start/stop, direction and speed	Working environment	0-40°C, <80%RH no condensation

OEM-MZ Series

Dimension Drawing(Unit: mm)

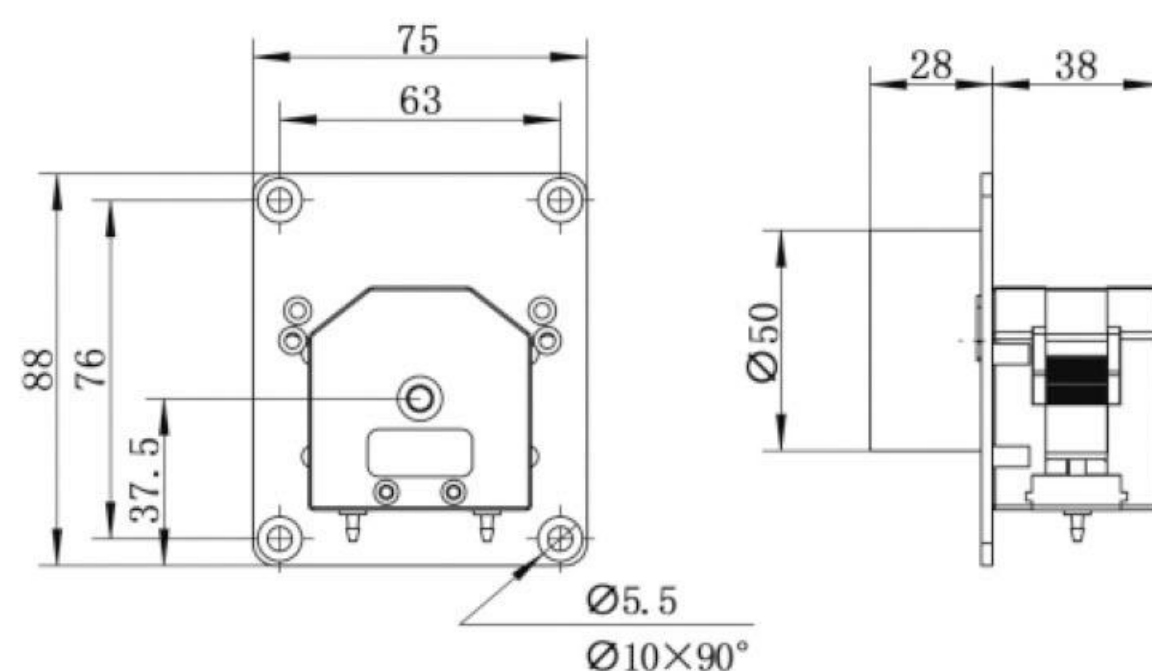
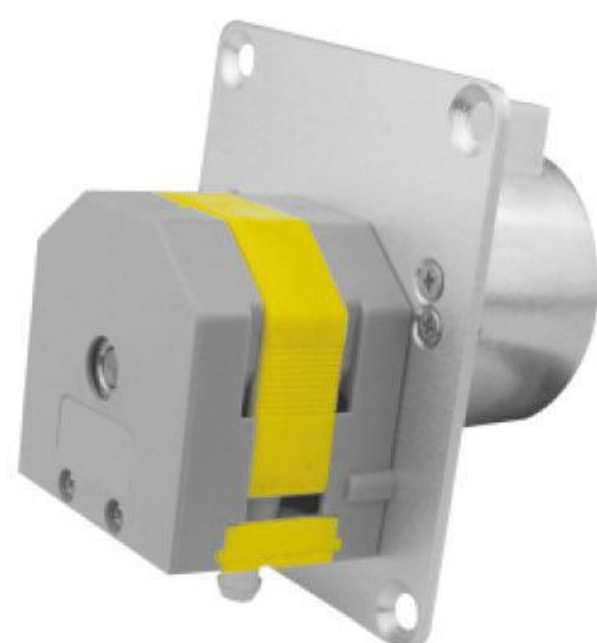


Note: OEM-MZ306 outline dimension drawing

Model No.	Motor Type	Power Supply	Motor Speed (rpm±10%)	Flow Rate (mL/min)
OEM-MZ001	Φ37 DC motor	DC12V	170	≤107.67
OEM-MZ004			300	≤190.00
OEM-MZ104		DC24V	20	≤12.67
OEM-MZ107			100	≤61.98
OEM-MZ108			160	≤101.33
OEM-MZ111			300	≤190.00
OEM-MZ304	Φ32 DC planetary gear motor	DC24V	50	≤31.14
OEM-MZ306			100	≤61.98

OEM-MJ Series

Dimension Drawing(Unit: mm)

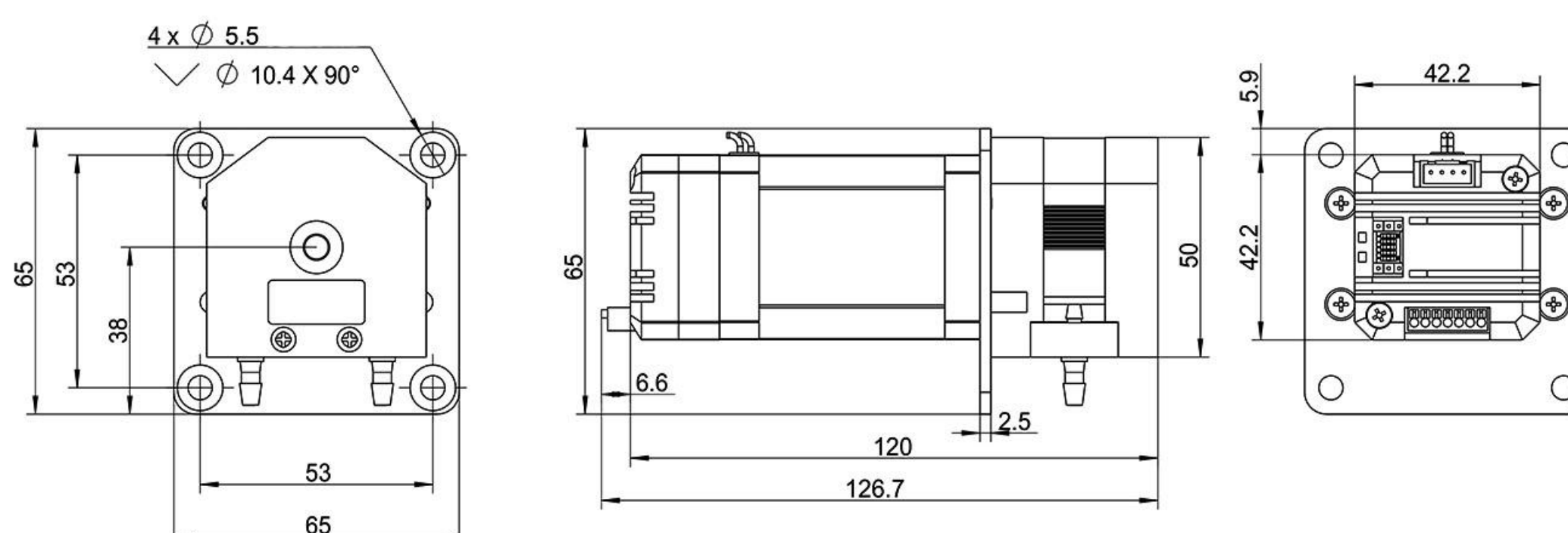


Model No.	Motor Type	Power Supply	Motor Speed (rpm±10%)	Direction
OEM-MJ107	AC motor	AC220V	15.5/18.6	CCW

Note: In the rotation of speed, "/" represents the rotation speed in 50/60HZ.

OEM-B085

Dimension Drawing(Unit: mm)

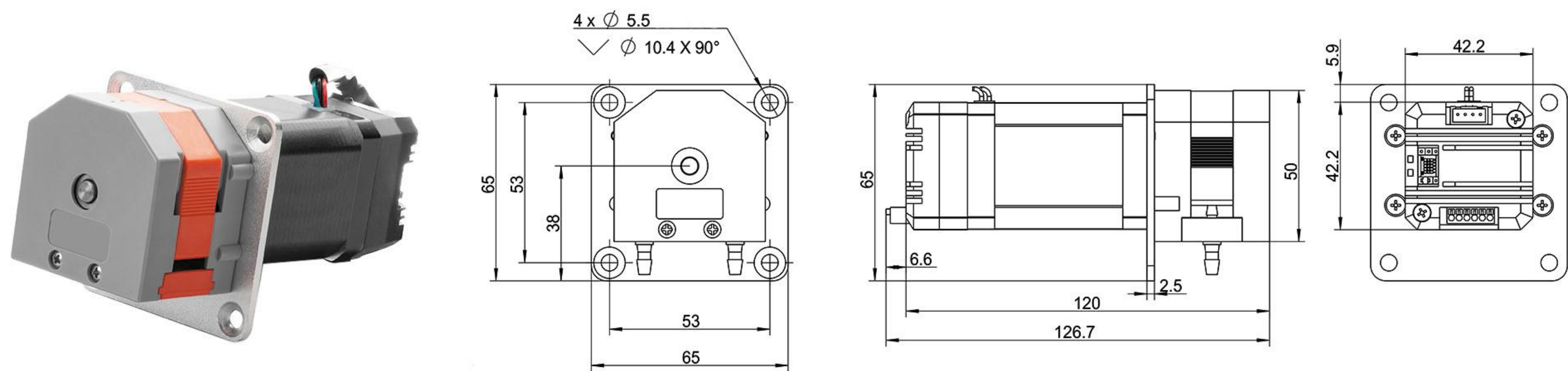


OEM-B085 Technical Specifications

Speed range	0.1-300rpm	Control Modes	RS485 communication (Modbus protocol)
Flow rate range	0.0024-190mL/min	Motor Type	42 Stepper motor
Start/stop, direction control	It also supports RS485 and passive switch signal control for start/stop/reversal	Power Supply	DC24V~DC36V(Recommended DC24V), ≥36W
		Working Environment	0-40°C, <80%RH No condensation

OEM-B089

Dimension Drawing(Unit: mm)



OEM-B089 Technical Specifications	
Speed range	0.1-300rpm
Flow rate range	0.0024-190mL/min
Speed Control	Internal fixed speed mode (configurable via DIP switch and communication) and external input pulse frequency speed regulation
Microstepping	1/16(Recommended)、1、1/2、1/4、1/8、1/32、1/64、1/128、1/256
Motor Type	42 Stepper motor
Power Supply	DC24V~DC36V(Recommended DC24V), ≥36W
Working Environment	0-40°C, <80%RH No condensation

Experimental conditions:standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Technical Specifications					
Pump Head	Tubing	ID Wall (thickness (mm))	mL/r	Speed (rpm)	Flow Rate (mL/min)
MiniPump01	13 [#]	0.8×1.6	0.024	0.1~300	0.0024-8.28
	14 [#]	1.6×1.6	0.112		0.0112-33.88
	19 [#]	2.4×1.6	0.252		0.0252-77.23
	16 [#]	3.2×1.6	0.394		0.0394-114.31
	25 [#]	4.8×1.6	0.652		0.0652-190.00
	1×1	1×1	0.05		0.005-15.01
	2×1	2×1	0.18		0.018-54.63
	2.5×1	2.5×1	0.256		0.0256-76.84
	3×1	3×1	0.356		0.0356-108.39
MiniPump02	1×1	1×1	0.05	0.1~300	0.005-15.01
	2×1	2×1	0.18		0.018-54.63
	2.5×1	2.5×1	0.256		0.0256-76.84
	3×1	3×1	0.356		0.0356-108.39

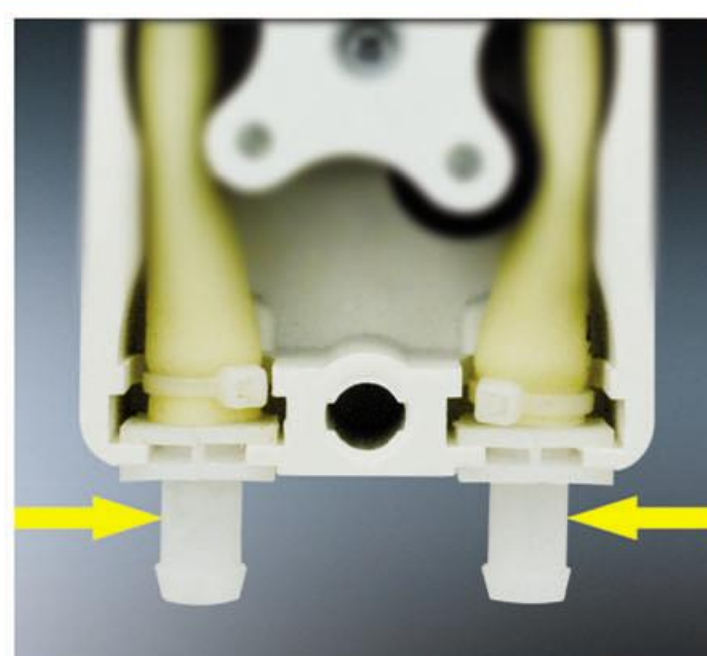
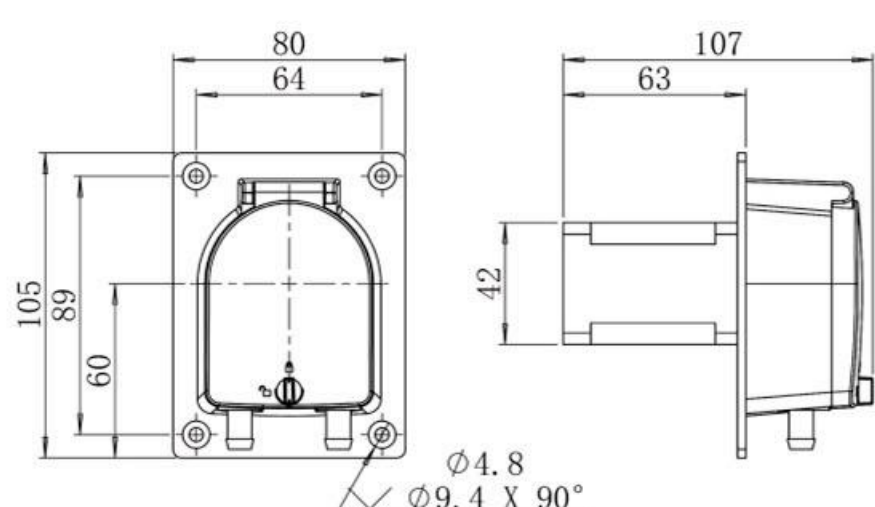
Compact Pump Head

UD15



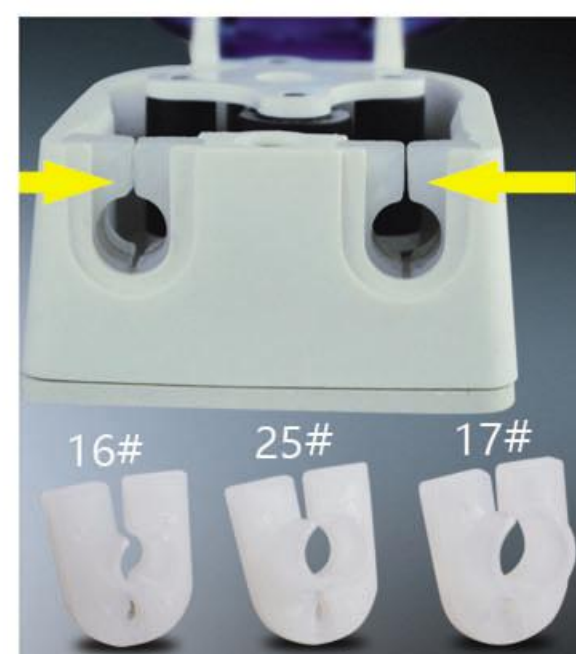
(2 rollers)

Dimension Drawing(Unit: mm)



Connection type
installation hose

Standard fast plug joint, convenient for external and different materials of the hose, the application of flexibility, cost saving



Install hose without
connector

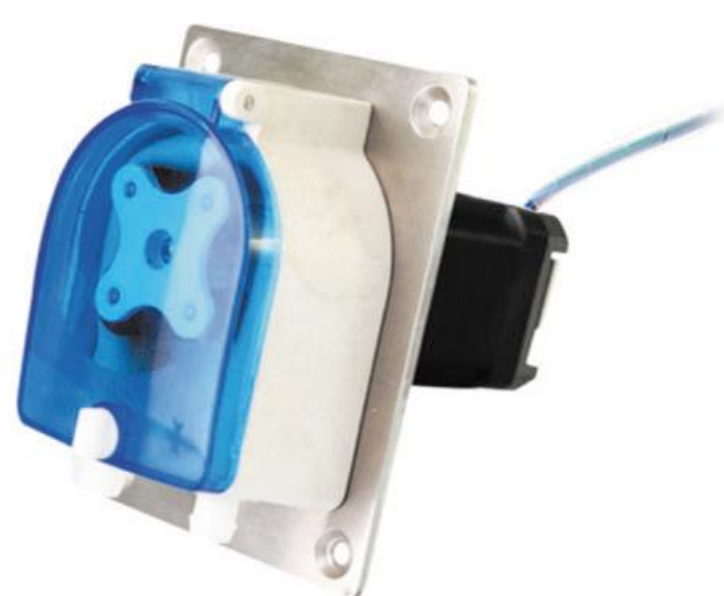
1. Adopt special hygienic grade tube. The whole tube is installed.
2. No connection simplifies design to **prevent leakage and pollution risk**.

Product Introduction

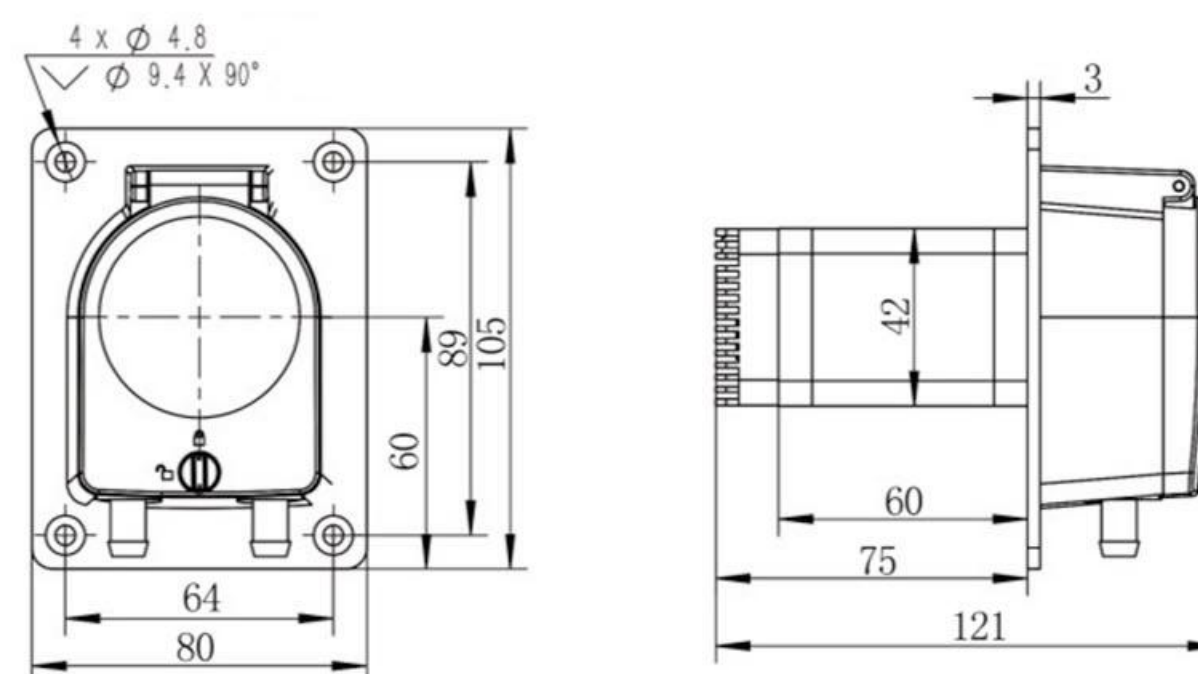
PES material, transparent protecting cover, easily to observe the working situation of pump head and tubing at any time. Various of colors are available. There is water-proof groove in the pump head mounting side. Can use stepper motor, DC motor, AC motor and so on to drive.

Model No.	OEM-UB01
Speed range	0.1-350 rpm
Flow rate range	0.08-930mL/min
Motor type	42 stepper motor
Motor phase number	2
Motor step angle	1.8°
Motor phase voltage	2.2V
Motor phase current	1.0A
Working environment	0-40°C, <80%RH no condensation

OEM-UB02/UB016

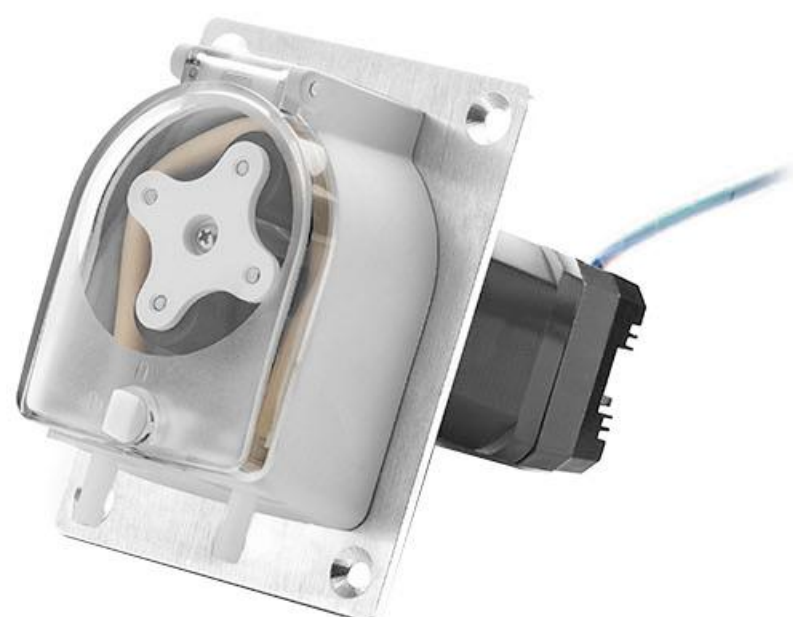


Dimension Drawing(Unit: mm)

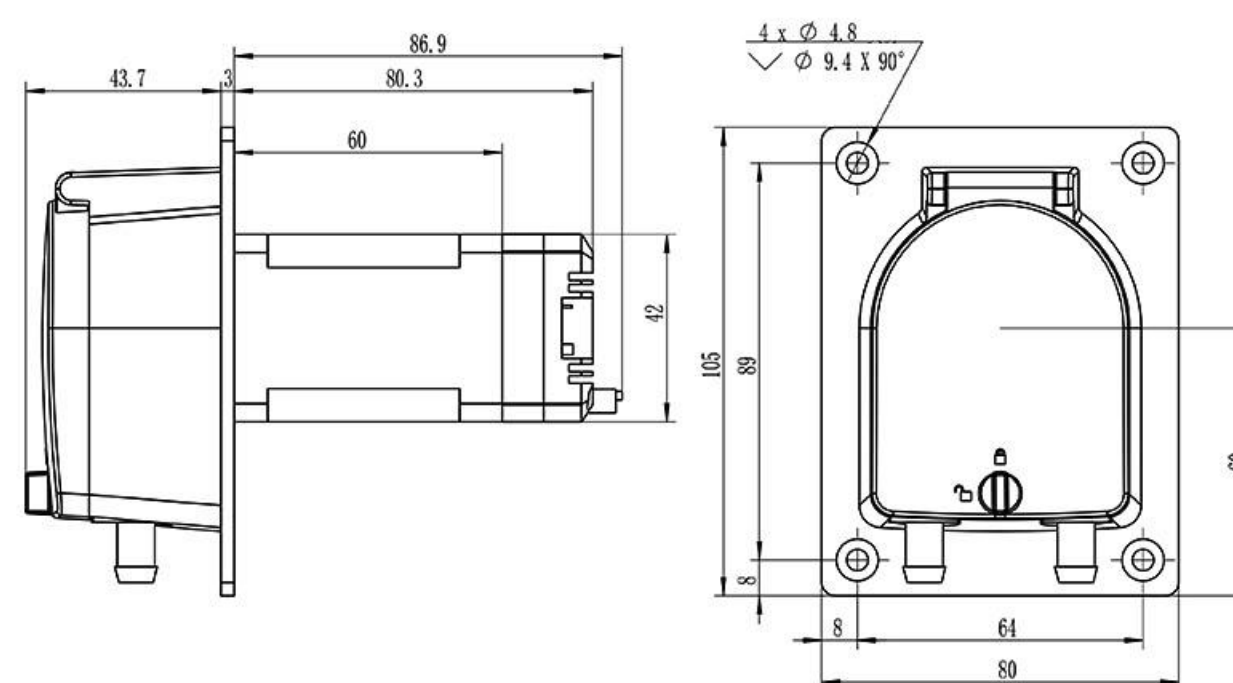


OEM-UB02 Technical Specifications		OEM-UB016 Technical Specifications	
Speed Range	0.1-350rpm	Speed Range	0.1-350 rpm
Flow Rate Range	0.08-930mL/min	Flow Rate Range	0.08-930mL/min
Speed Control	Preset speed or serial port speed control	Speed Control	Internal potentiometer speed control
Motor Type	42 Stepper motor	Motor Type	42 Stepper motor
Power Supply	DC24V, >36W	Power Supply	DC24V, >36W
Working Environment	0-40°C, <80% RH No condensation	Working Environment	0-40°C, <80% RH No condensation

OEM-UB034



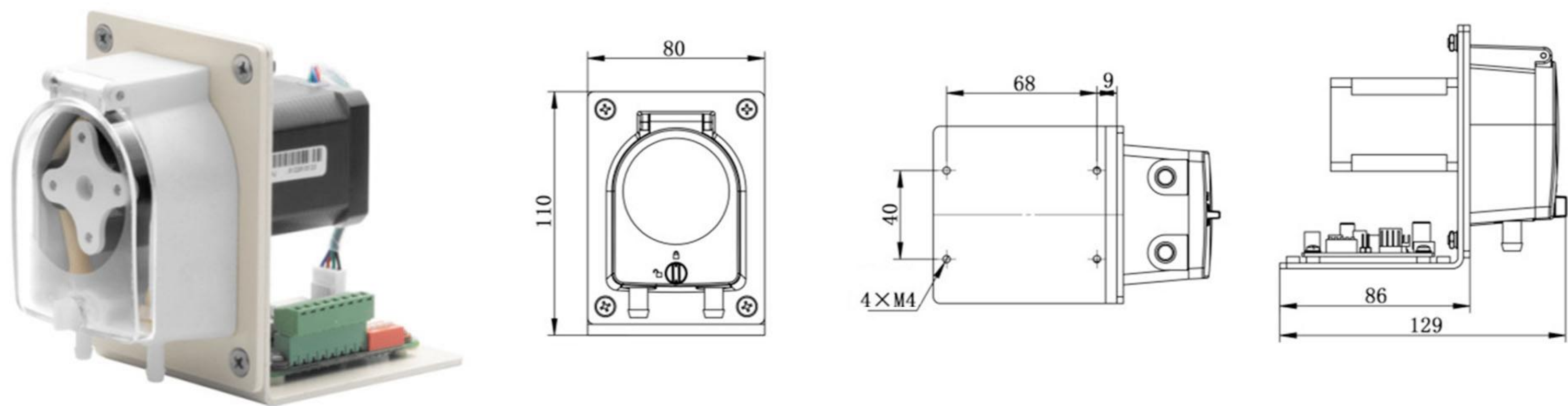
Dimension Drawing(Unit: mm)



OEM-UB034 Technical Specifications	
Speed Range	0.1-350rpm
Flow Rate Range	0.08-930mL/min
Speed Control	Internal fixed speed mode (configurable via DIP switch and communication) and external input pulse frequency speed regulation
Microstepping	1/16(Recommended), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128, 1/256
Motor Type	42 Stepper motor
Power Supply	DC24V~DC36V(Recommended DC24V), ≥36W
Working Environment	0-40°C, <80% RH No condensation

OEM-UB04

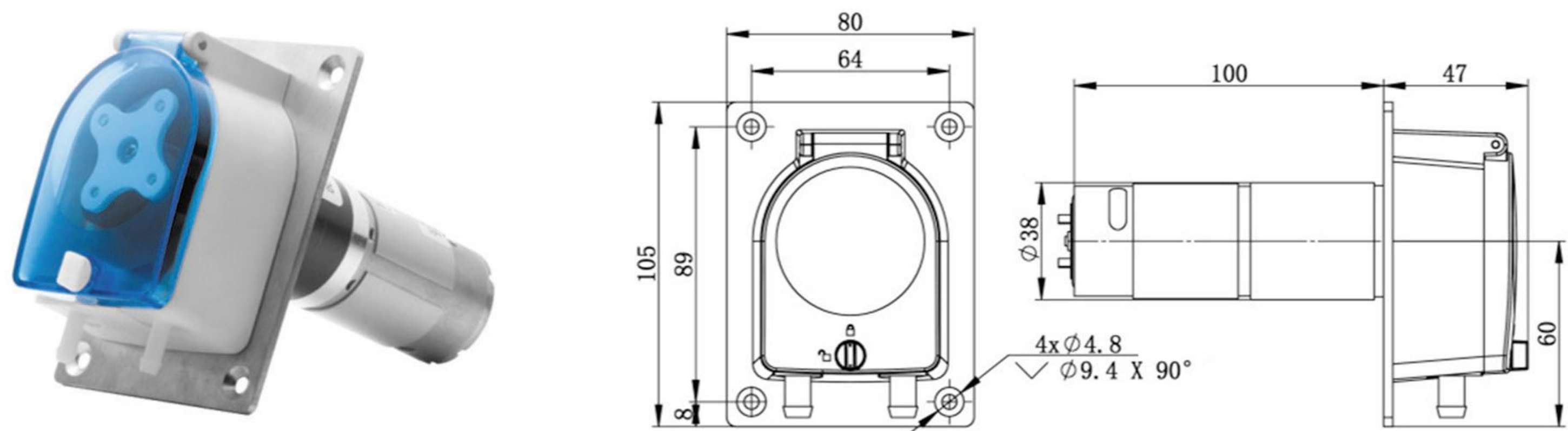
Dimension Drawing(Unit: mm)



OEM-UB04 Technical Specifications	
Speed Range	0.1-350 rpm
Flow Rate Range	0.08-930mL/min
Motor Type	42 Stepper motor
Speed Control	Communication control
Address Setting	1-32
Power Supply	DC24V, ≥36W
Communication method	RS232 and RS485 communication (default); controls pump start-up, reversing, and speed.
Working Environment	0-40°C, <80% RH No condensation

OEM-UXZ Series

Dimension Drawing(Unit: mm)



OEM-UXZ Series Technical Specifications				
Model No.	Motor Type	Power Supply	Motor Speed(rpm+10%)	Flow Rate Range (mL/min)
OEM-UXZ03	Φ37 DC planetary geared motor	DC12V	150	≤398
OEM-UXZ06			350	≤930
OEM-UXZ13		DC24V	150	≤398
OEM-UXZ16			350	≤930

Spring Pump Head

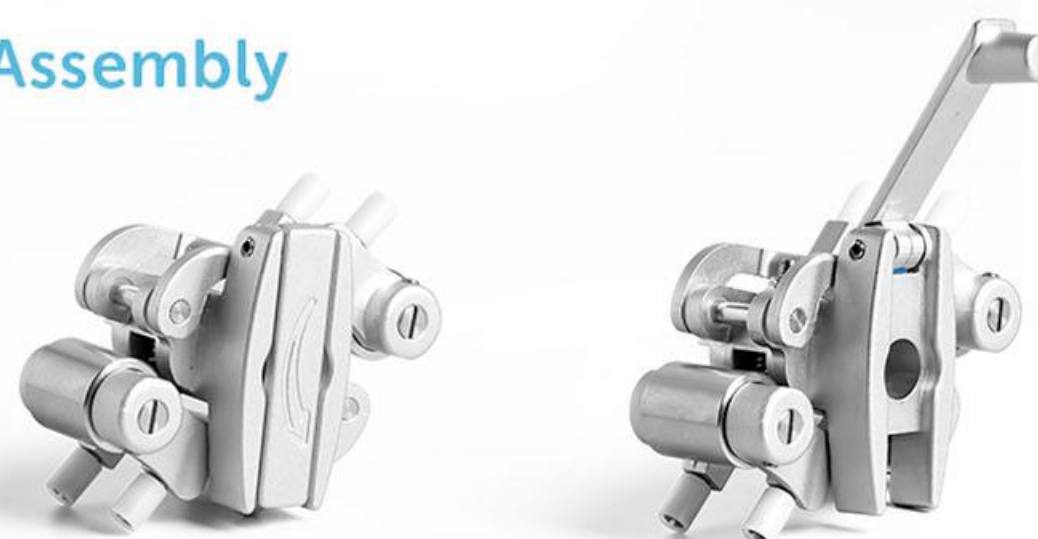
UC15/UC20/UC25-II



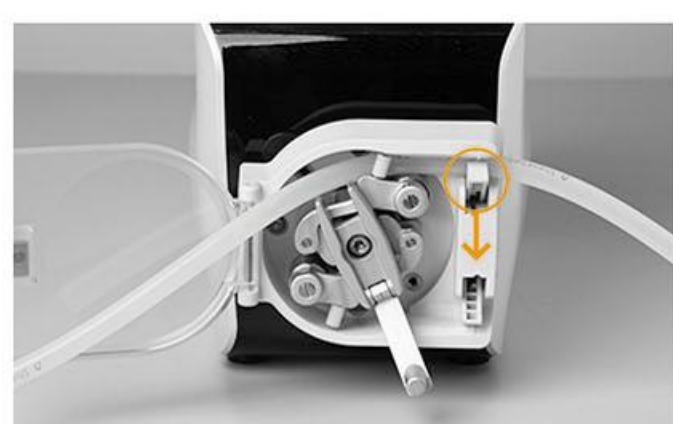
Product Introduction

UC15/UC20 spring pump head is widely used for hemodialysis machine equipment. Transparent protective cover, can observe the working situation anytime; uncover signal output, stop working when uncover to ensure safety; Elastic roller assembly, running smoothly; manual lever help install the tube, and can finish liquid circulation when power down unexpectedly; support stepper motor ,DC motor, AC motor and servo motor.

Roller Assembly



Tubing Installation Procedure



1. Press the pipe clamp, put the tube into the U shaped groove.



2. Put the tube between the two guide posts. Hold the spanner, rotate the wheel body.



3. Press the pipe clamp, put the tube into the U shaped groove.

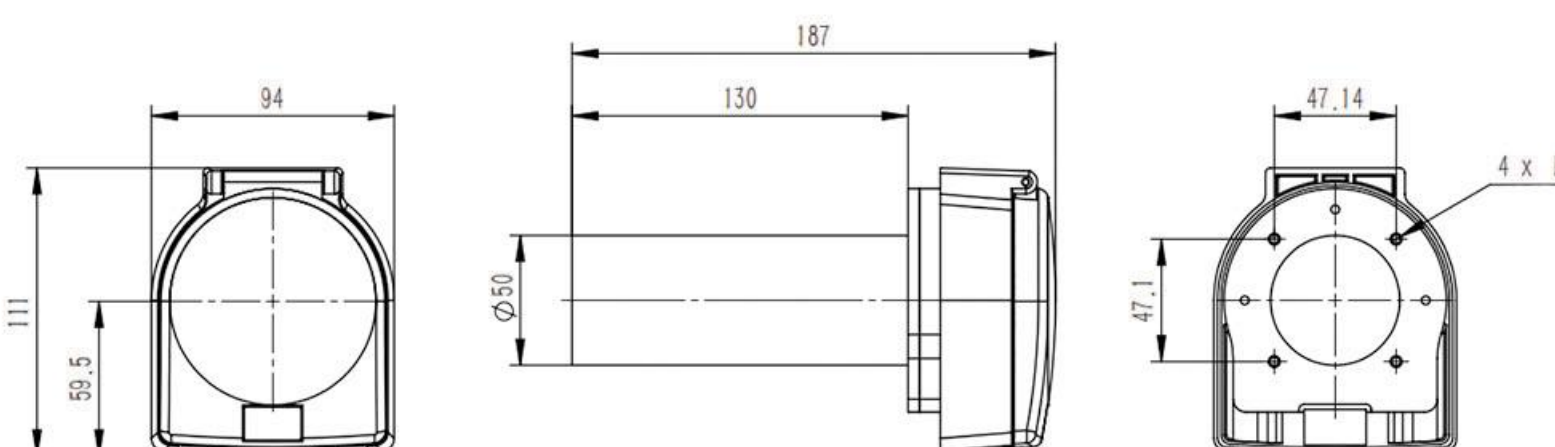


4. Installation is finished.

OEM-UCXZ001/UCXZ101/UCXZ201/UCXZ301



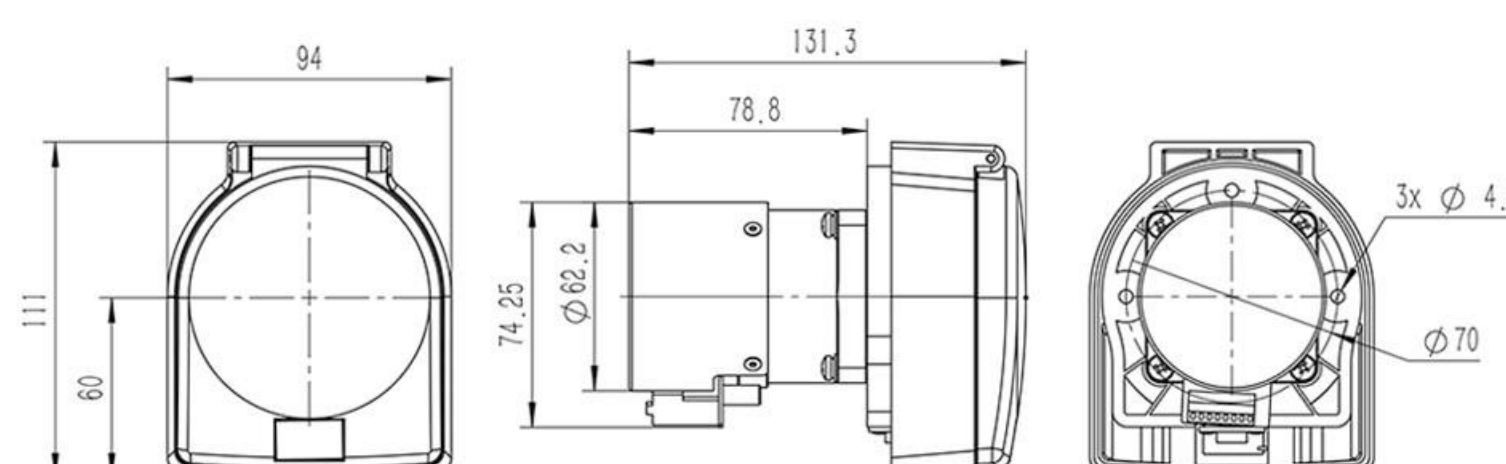
Dimension Drawing(Unit: mm)



OEM-UCXZ210/UCXZ211



Dimension Drawing(Unit: mm)



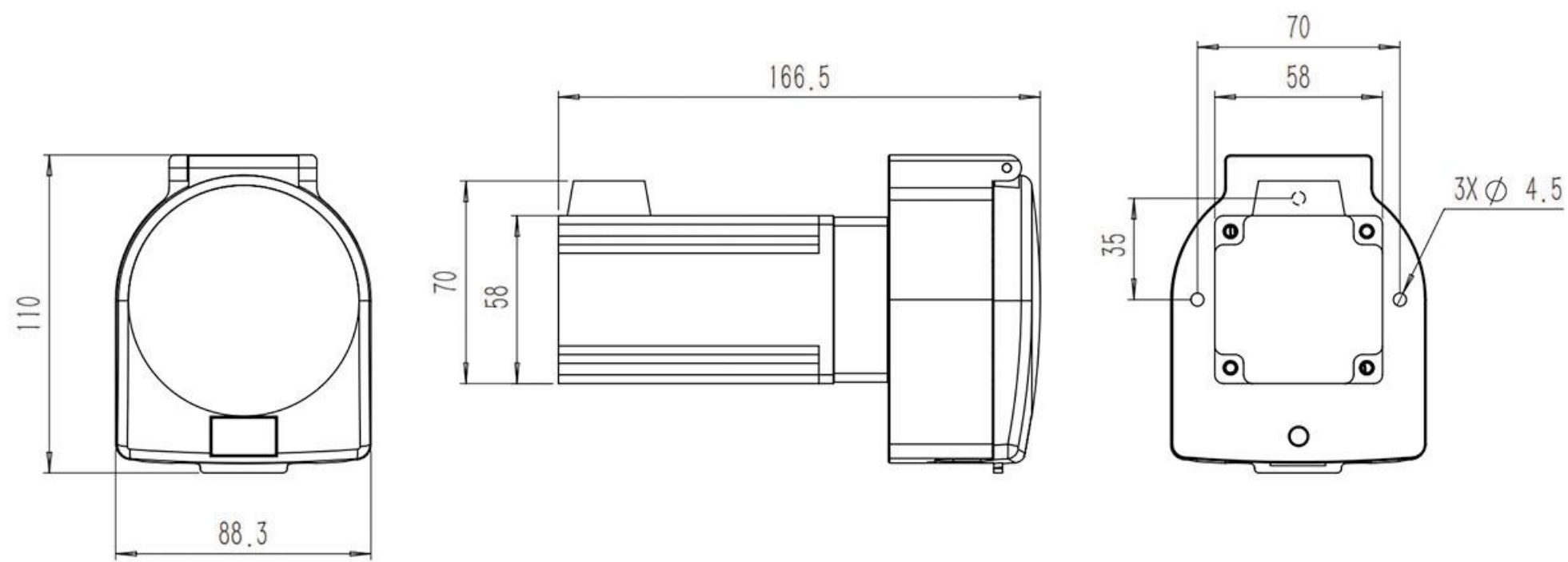
Technical Specifications

Model No.	Motor Type	Power Supply	Motor Speed(rpm±10%)	Flow Rate(mL/min)	Working environment
OEM-UCXZ001	φ50 DC planetary gear motor	DC24V	300	≤2812	0-40℃ < 80%RH no condensation
OEM-UCXZ101	φ50 DC planetary gear motor	DC12V			
OEM-UCXZ201	φ50 Brushless DC Planetary Gear Motor	DC24V	≤300		
OEM-UCXZ301	φ50 Brushless DC Planetary Gear Motor	DC12V			
OEM-UCXZ210	φ57 Brushless DC Planetary Gear Motor	DC24V	≤100	≤937.4	
OEM-UCXZ211	φ57 Brushless DC Planetary Gear Motor	DC24V	≤200	≤1874.8	

OEM-UCB004



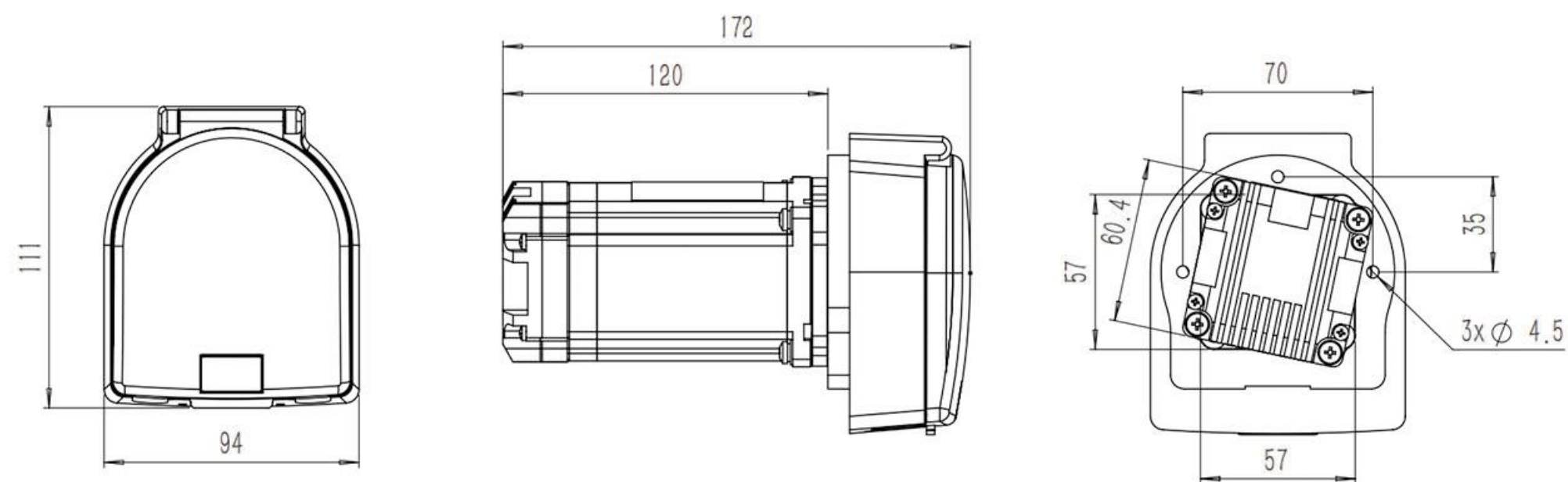
Dimension Drawing(Unit: mm)



OEM-UCB004 Technical Specifications			
Speed range	0.1-600rpm	Motor phase current	5.0A
Flow rate range	0.1702~3300mL/min	Encoder supply voltage	DC5V (±10%)
Motor type	57 Closed-loop stepper motor	Encoder resolution	1000-line encoder
Motor Phases	2	Working environment	0-40℃, <80% no condensation
Step angle	1.8°		

OEM-UCB005/006/007

Dimension Drawing(Unit: mm)



OEM-UCB005/006/007 Technical Specifications			
Speed range	0.1-600rpm	Output signal	Open collector output
Flow rate range	0.1702~3300mL/min		
Control method	Supports passive switch signals or active digital signals (3.3V-5V) to control start/stop and direction.	Speed control	OEM-UCB005: External Analog Speed Control (4-20mA)
Control logic	Run on conduction / Run on cutoff (Configurable via host software)		OEM-UCB006: External Analog Speed Control (0-5V)
Operation mode	Fixed Speed / External Analog Input Mode (Selectable via DIP switch)		OEM-UCB007: External Analog Speed Control (0-10V)
Motor type	Integrated closed-loop stepper motor	Power supply	DC24V-DC36V (Recommended DC36V), ≥100W
		Environmental Specifications	0-40℃, <80% no condensation

Technical Specifications								
Model	Housing material		Roller assembly	Tubing		Speed (rpm)	Flow rate range (mL/min)	Weight (Kg)
	Base	Cover		Tubing No.	IDxWT (mm)			
UC15	PSF	PC	Spring structure	16#	3.2x1.6	0.1-350	0.1702-596	1.42
				25#	4.8x1.6		0.3574-1251	
				17#	6.4x1.6		0.6245-2186	
				18#	7.9x1.6		0.9374-3281	
UC20	Aluminum alloy			Medical dialysis tube	8x2	0.1-200	0.3910-782	1.87
UC25-II				15#	4.8x2.4	0.1-600	0.347-2082	
				24#	6.4x2.4		0.550-3300	

Multichannel Pump Head

AMC Series



(6 rollers,
10 rollers)



Fixed knob
(Optional)

Product Introduction

- The unique elastic positioning mechanism allows users to install and remove cartridge with one hand. Multichannel, small volume transferring.
- Elastic pressure tube design to extend the service life of the tube.
- Stepless adjustment of the tube pressure gap, effectively improving the accuracy between channels.
- 304 stainless steel roller assembly, including 6 rollers and 10 rollers structure, which are designed with low noise and high speed, suitable for supporting various analytical instruments.

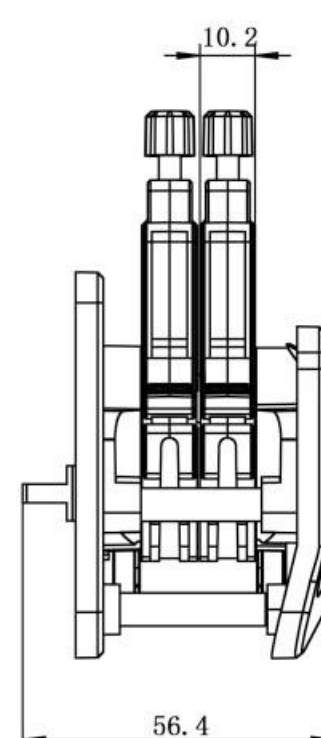
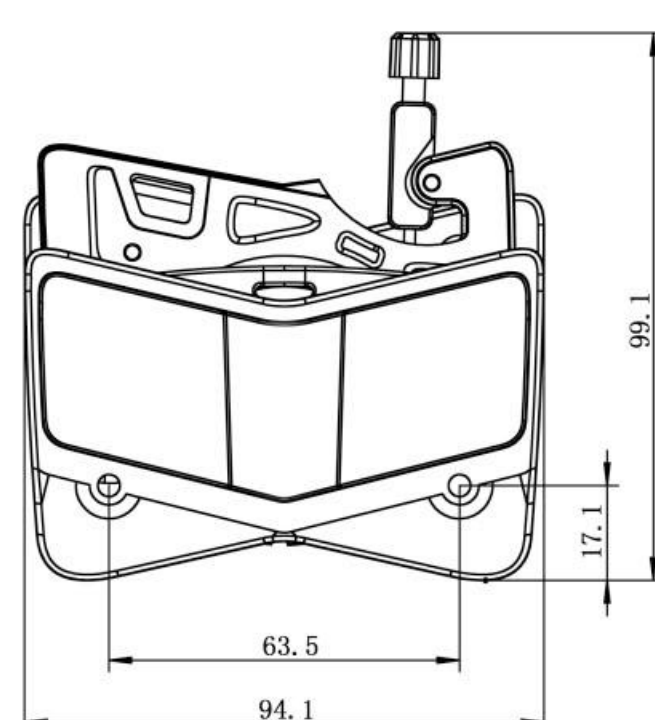
Product Features

- The elastic positioning mechanism enables users remove and install cartridge with one hand.
- The elastic pressure tube design effectively extends the life of the tube.
- Stepless adjustment of the tube pressure gap, effectively improving the flow rate accuracy between channels.
- The mute design of the roller assembly realizes low noise and high speed operation.
- Exquisite appearance, compact structure, ideal for supporting instruments.

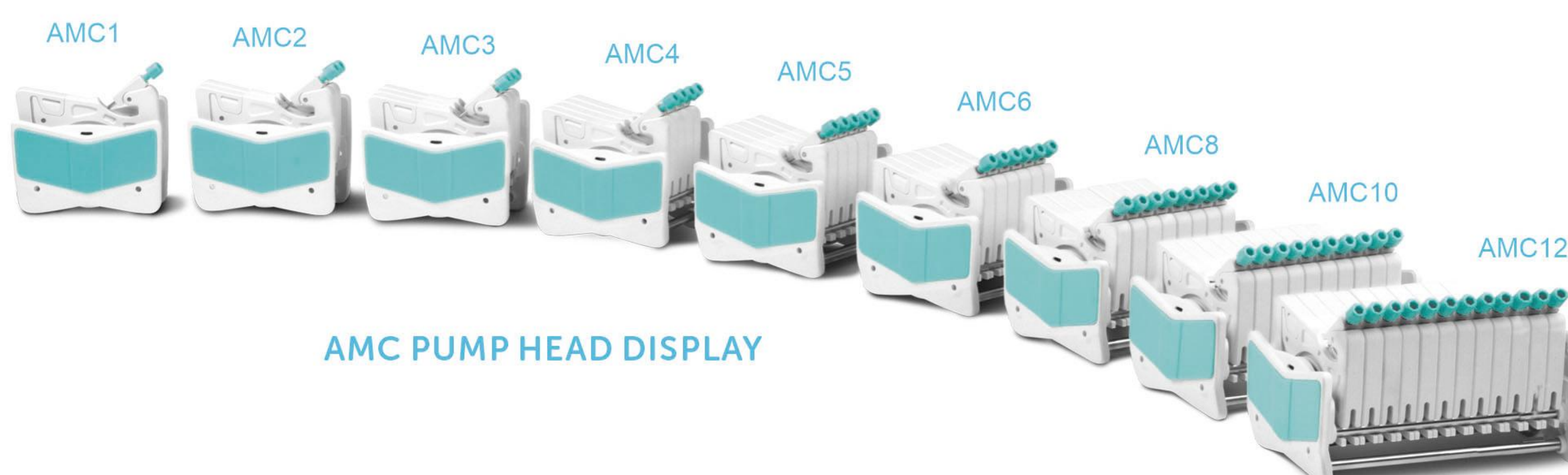
Typical Application

- Support blood sugar analytical device.
- Support ammonian analytical instrument.

Dimension Drawing(Unit: mm)

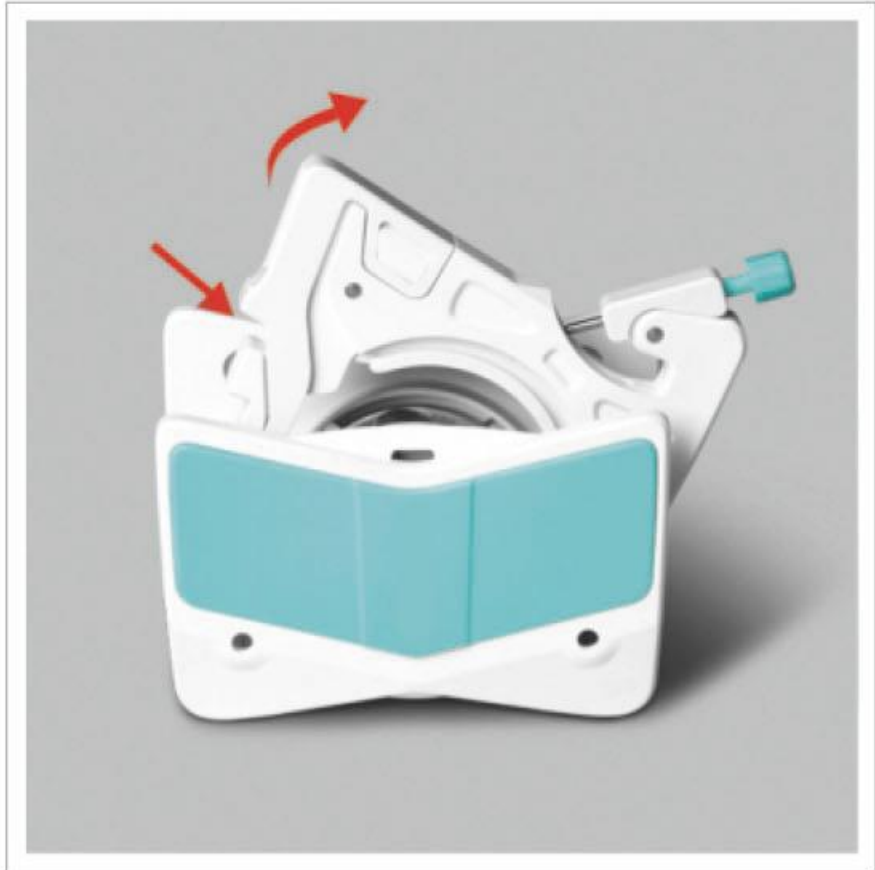


Note: Increasing or reducing one channel, the pump head size need to increase or reduce the thickness of one cartridge.

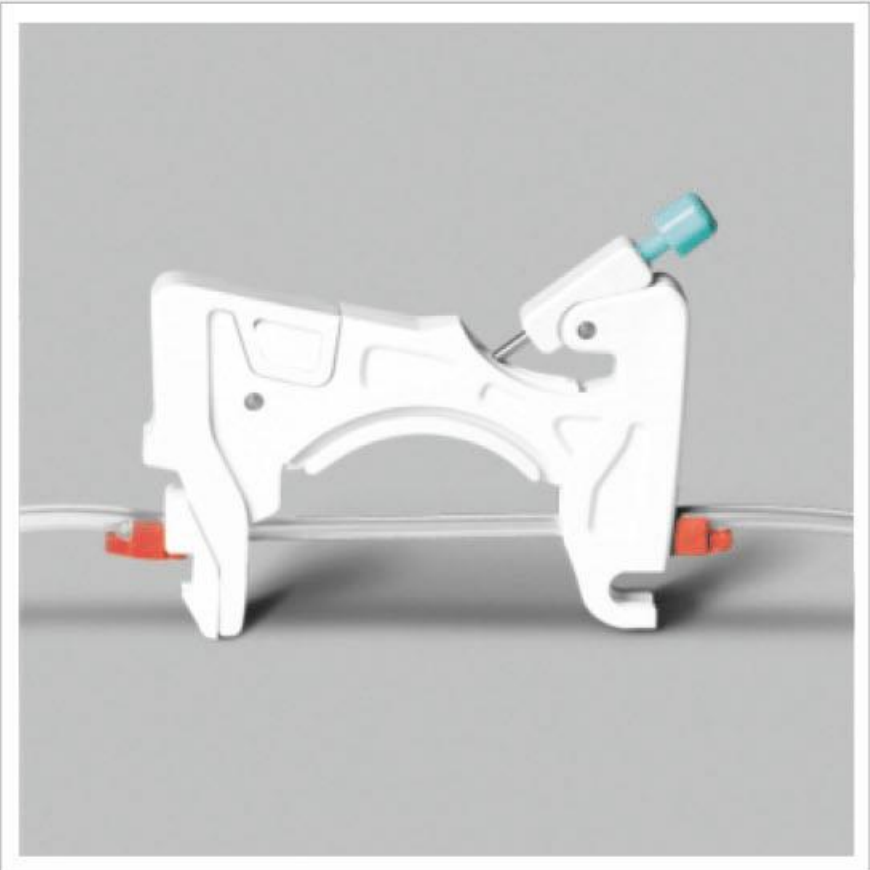


AMC PUMP HEAD DISPLAY

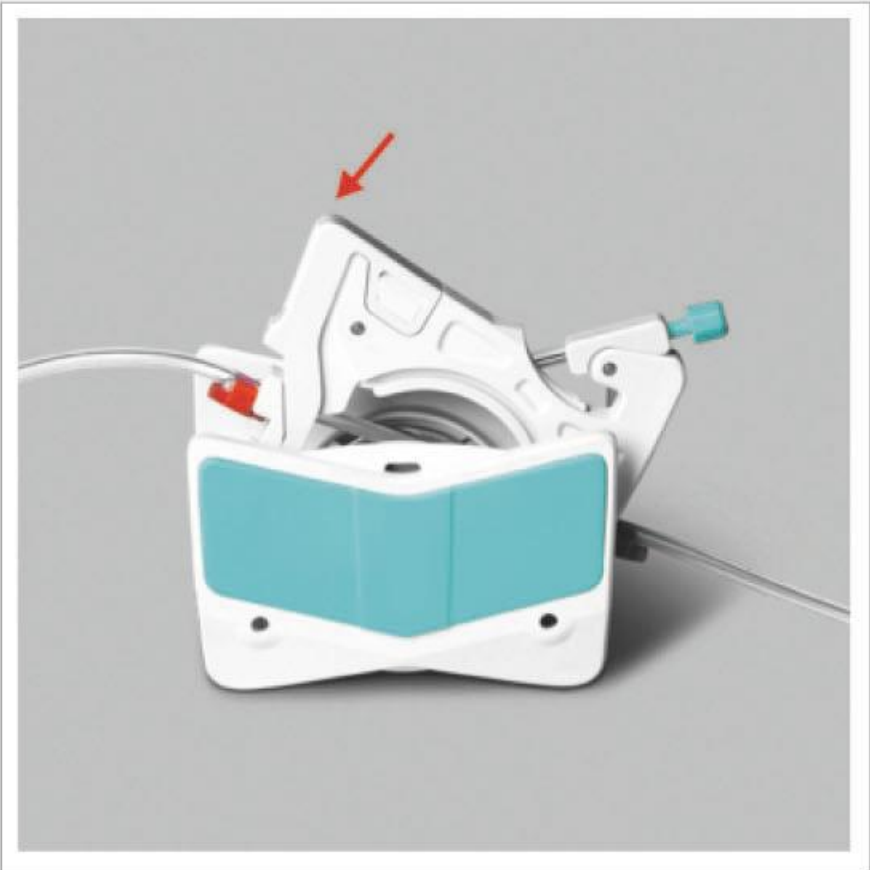
Tubing Installation Procedure



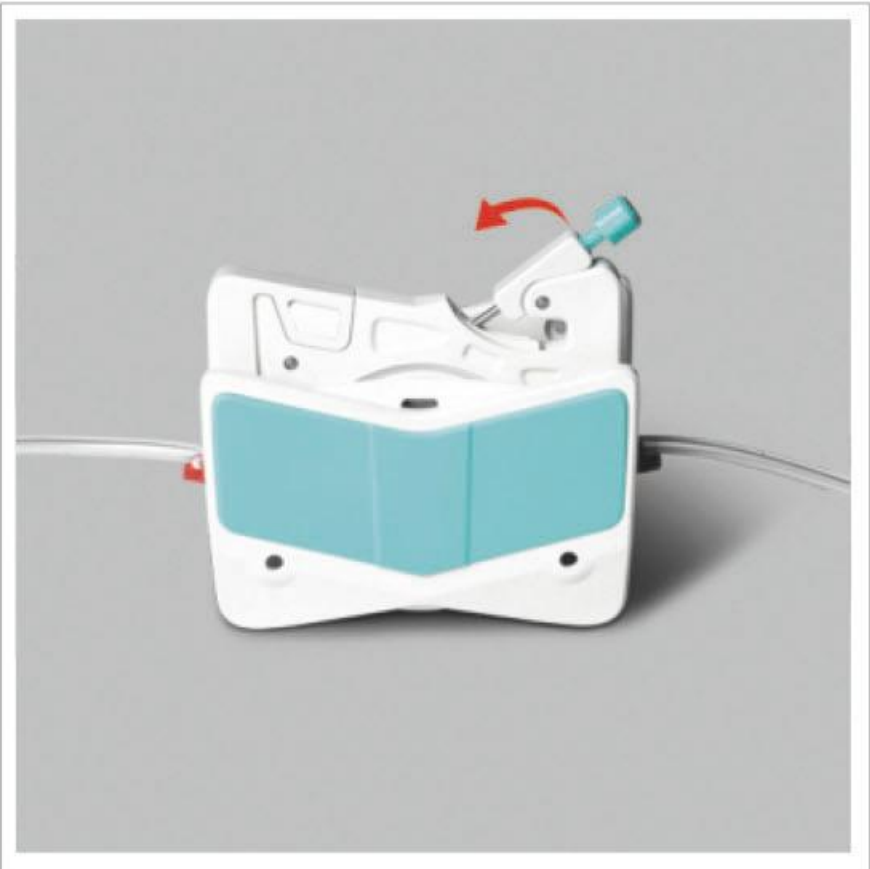
1.Easily press the elastic lock arm mechanism to open the cartridge.



2.After the cartridge is disconnected, install the tube, the two adjacent tube stoppers determine a working position.



3.Press the cartridge to make the cartridge enter the working position.



4.Pull the pressing device to enter the pressure tube state.



5.Installation finished.

Experimental conditions:standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

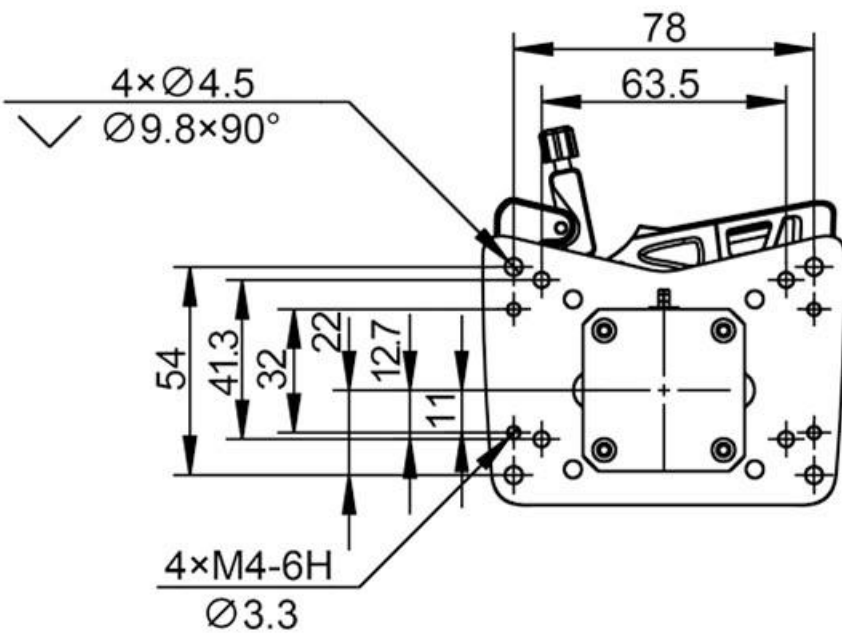
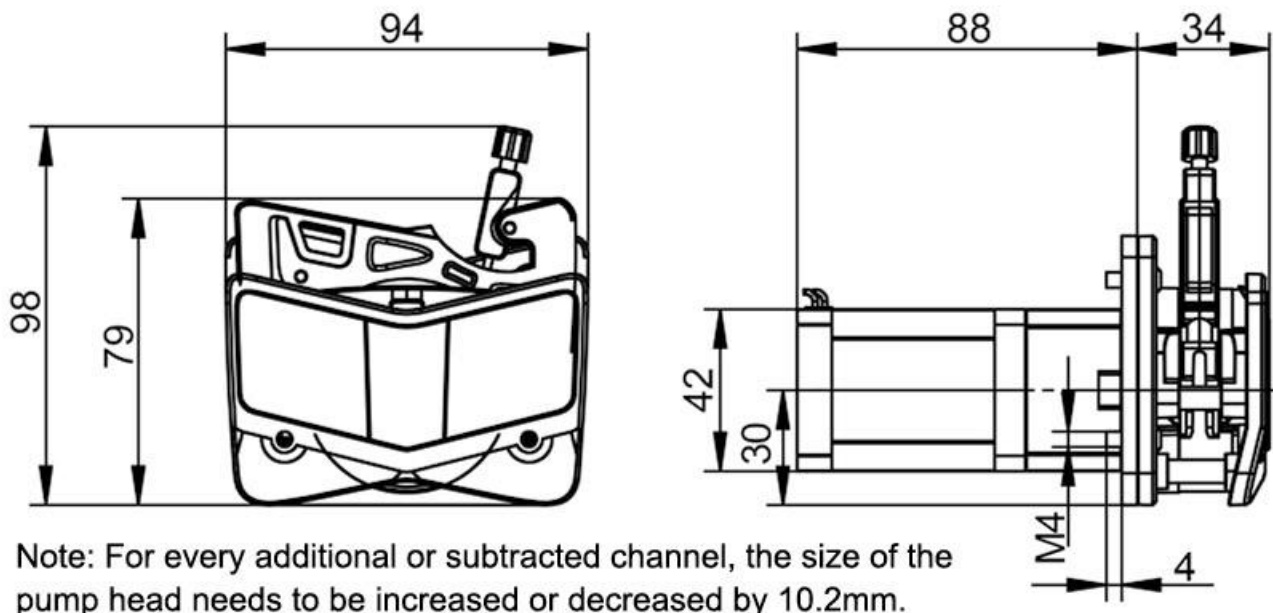
AMC Series Pump Head Technical Specifications									
Channel number	1	2	3	4	5	6	8	10	12
Rollers material	304stainless steel material								
Rollers number	10 rollers, 6 rollers								
Tubing	Speed	Flow rate of pump head with 10 rollers (mL/min)	Flow rate of pump head with 6 rollers (mL/min)	Tubing maximum pressure (Mpa)					
				Continuous	Intermittent				
1×1	0.1~150rpm	0.0050~7.55	0.0062~9.36	0.1	0.1				
2×1		0.0183~27.52	0.0220~33.06						
2.4×0.8		0.0254~38.13	0.0319~47.81						
3×1		0.0323~48.38	0.0434~65.17						
0.13×0.86		0.0002~0.29	0.0002~0.31						
0.19×0.86		0.0003~0.44	0.0003~0.46						
0.25×0.86		0.0005~0.76	0.0005~0.80						
0.51×0.86		0.0013~2.00	0.0014~2.05						
0.89×0.86		0.0030~4.47	0.0031~4.65						
1.14×0.86		0.0061~9.16	0.0065~9.74						
1.42×0.86		0.0125~18.75	0.0142~21.28						
2.06×0.86		0.0197~29.60	0.0234~35.17						
2.79×0.86		0.0286~42.86	0.0372~55.77						

OEM Product

AMC Multichannel Pump Head

OEM-AMCB001

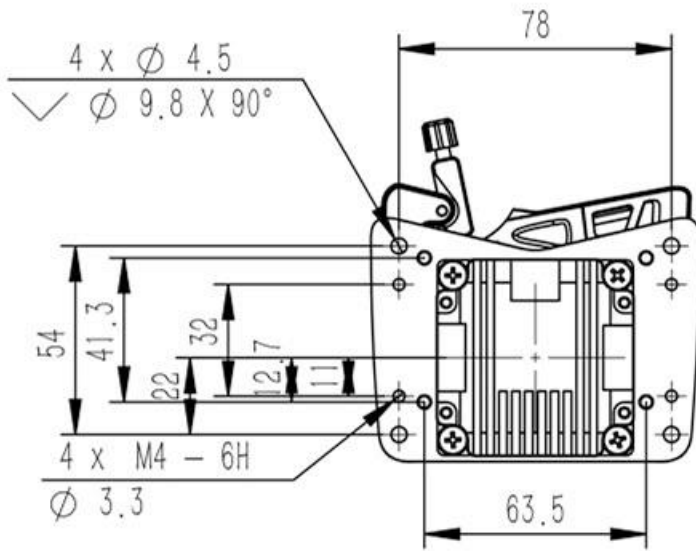
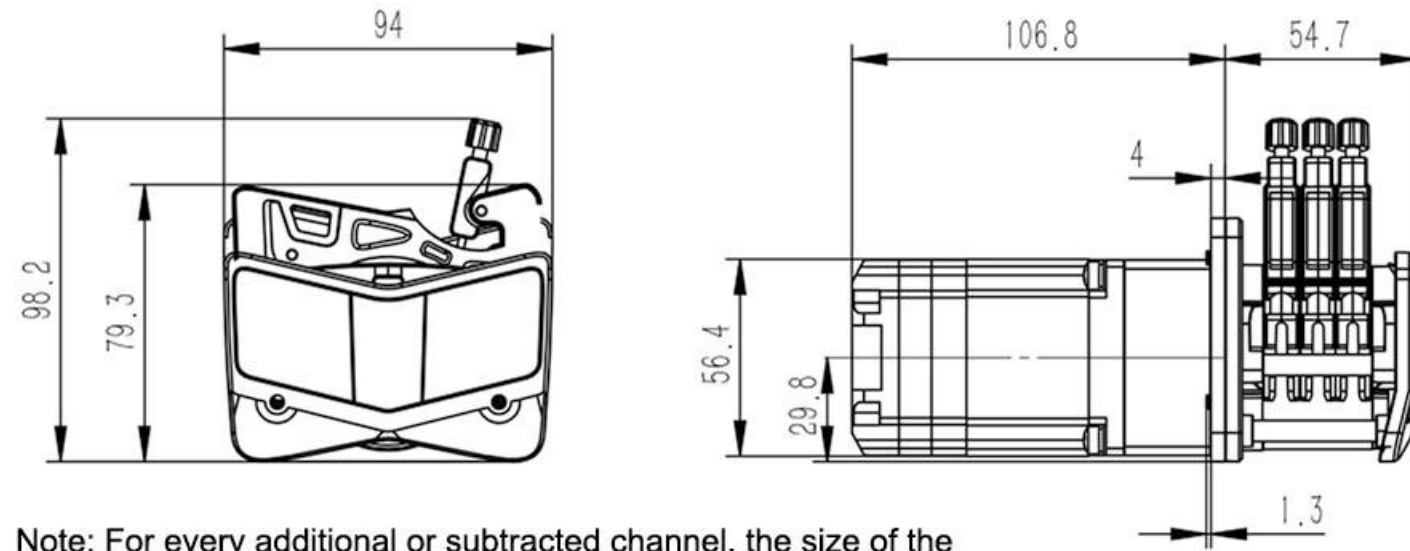
Dimension Drawing(Unit: mm)



OEM-AMCB001 Technical Specifications			
Speed range	0.1-150rpm	Motor step angle	1.8°
Flow rate range	0.0002-65.17mL/min	Motor phase voltage	3.6V
Motor type	42 stepper motor	Motor phase current	1.7A
Motor phase number	2	Working environment	0-40°C, <80%RH no condensation

OEM-AMCB104

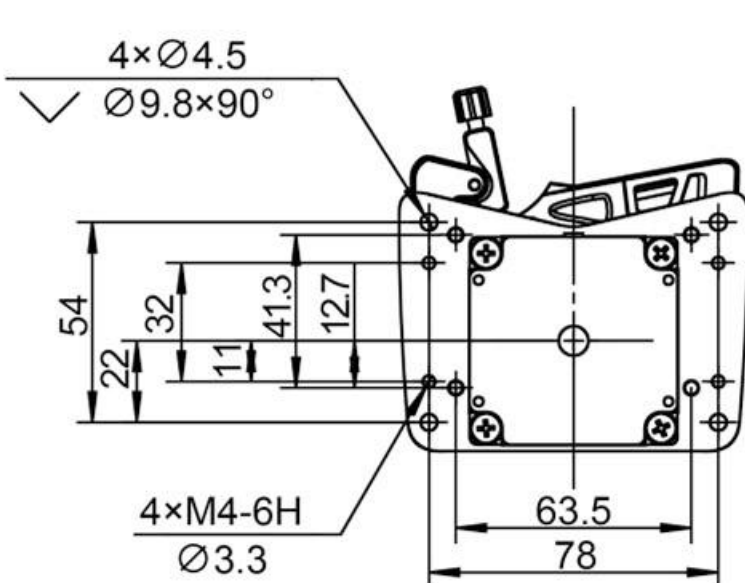
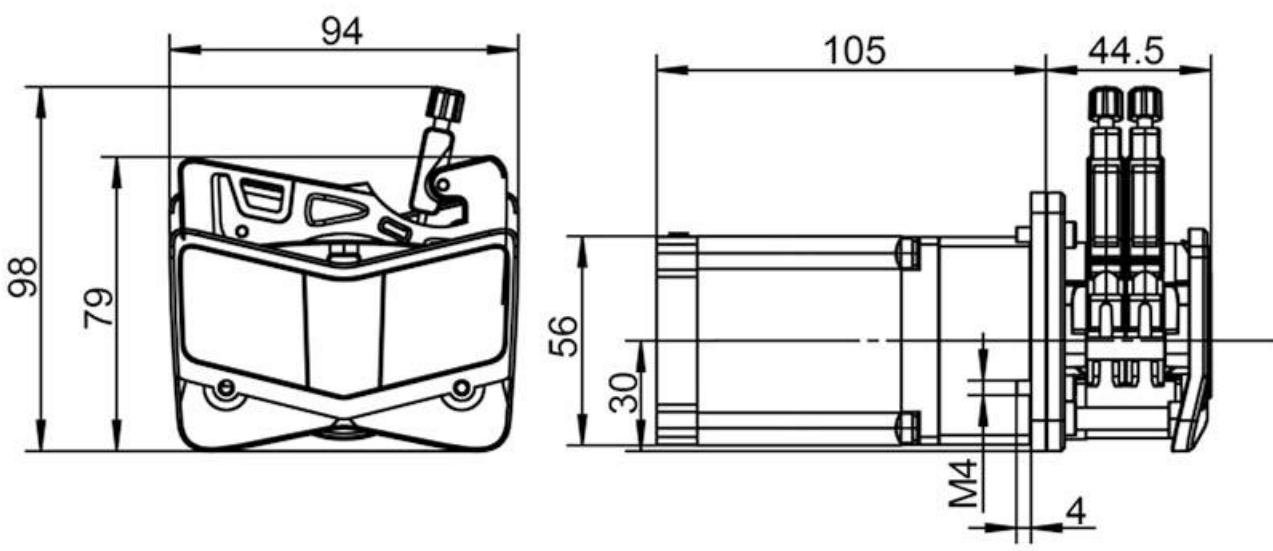
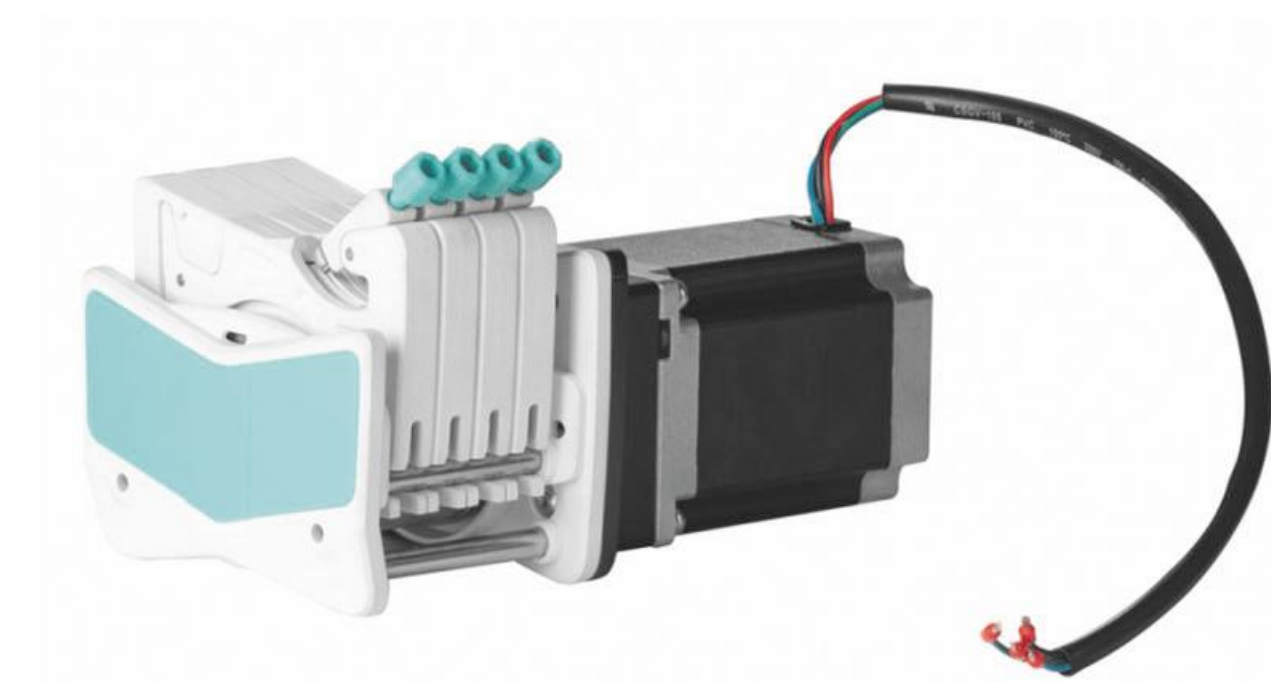
Dimension Drawing(Unit: mm)



OEM-AMCB104 Technical Specifications			
Speed range	0.1-150rpm	Subdivision setting	1/16 (default), can set different subdivision through dip switch.
Flow rate range	0.0002-65.17mL/min	Power supply	DC24-36V (DC24V recommended), ≥100W
Motor type	Closed-loop stepper motor	Logic input voltage	DC5V
External control	External input pulse signal	Working environment	0-40°C, <80%RH no condensation

OEM-AMCB201

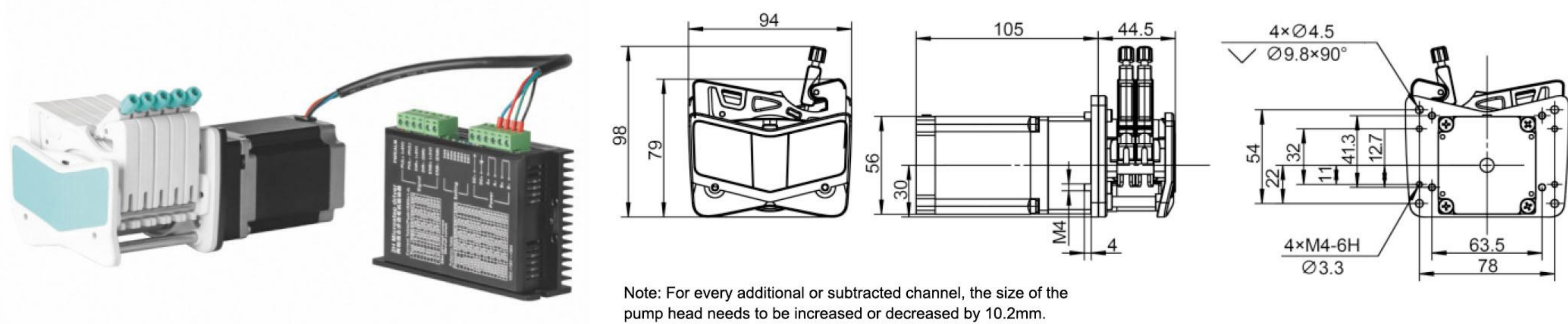
Dimension Drawing(Unit: mm)



OEM-AMCB201 Technical Specifications			
Speed range	0.1-150rpm	Motor step angle	1.8°
Flow rate range	0.0002-65.17mL/min	Motor phase voltage	3.4V
Motor type	57 stepper motor	Motor phase current	3.0A
Motor phase number	2	Working environment	0-40°C, <80%RH no condensation

OEM-AMCB202

Dimension Drawing(Unit: mm)

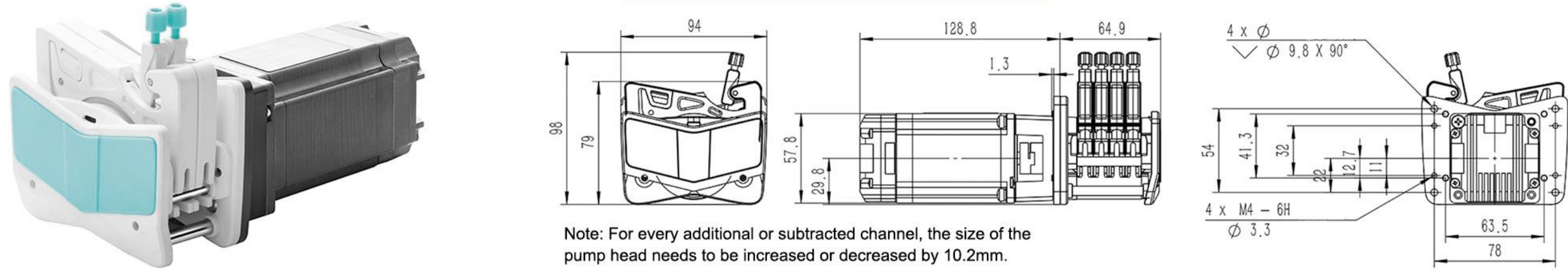


OEM-AMCB202 Technical Specifications

Speed range	0.1-150rpm	Current setting	3-speed DIP switch setting (default 2.84A)
Flow rate range	0.0002-65.17mL/min	Motor type	57 stepper motor
Speed control	External input pulse frequency speed control	Power supply	DC18-50V(Recommend DC36V), ≥80W
Multiple segments	4-speed DIP switch setting (default 16 subdivisions)	Logic input voltage	5V
		Working environment	0-40°C, <80%RH no condensation

OEM-AMCB205

Dimension Drawing(Unit: mm)

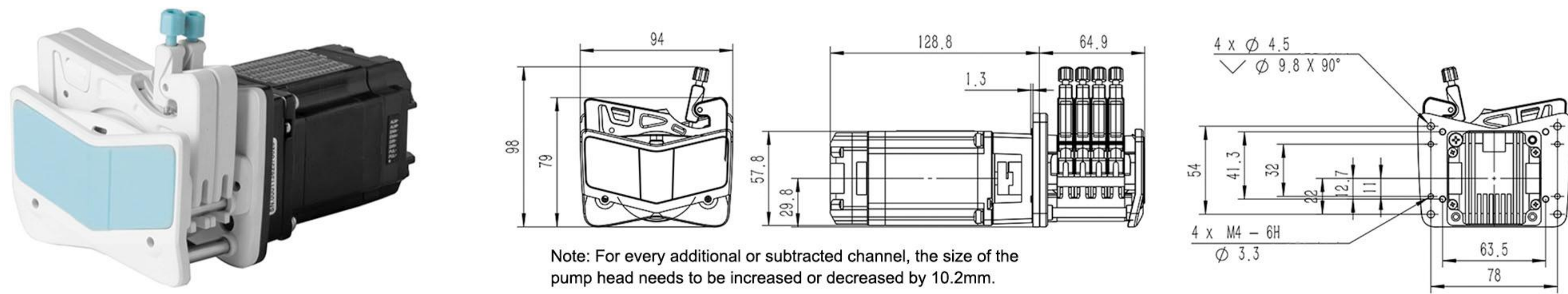


OEM-AMCB205 Technical Specifications

Speed range	0.1-150rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0002-65.17mL/min	Output signal	Open collector output
Control method	Supports passive switch signals or active digital signals (3.3V-5V) to control start/stop and direction.	Speed control	External Potentiometer Speed Control or DIP Switch Fixed Speed Settings
Control logic	Run on conduction / Run on cutoff (Configurable via host software)	Power supply	DC24V-DC36V (Recommended DC36V), ≥100W
Logic input voltage	3.3V-5V	Working environment	0-40°C, <80%RH no condensation

OEM-AMCB206/AMCB207/AMCB208

Dimension Drawing(Unit: mm)

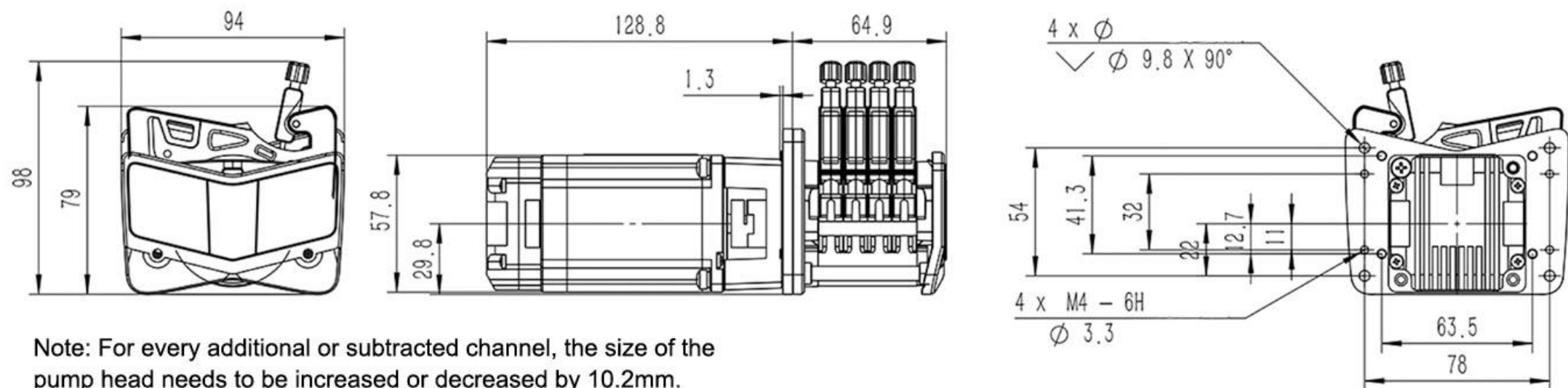
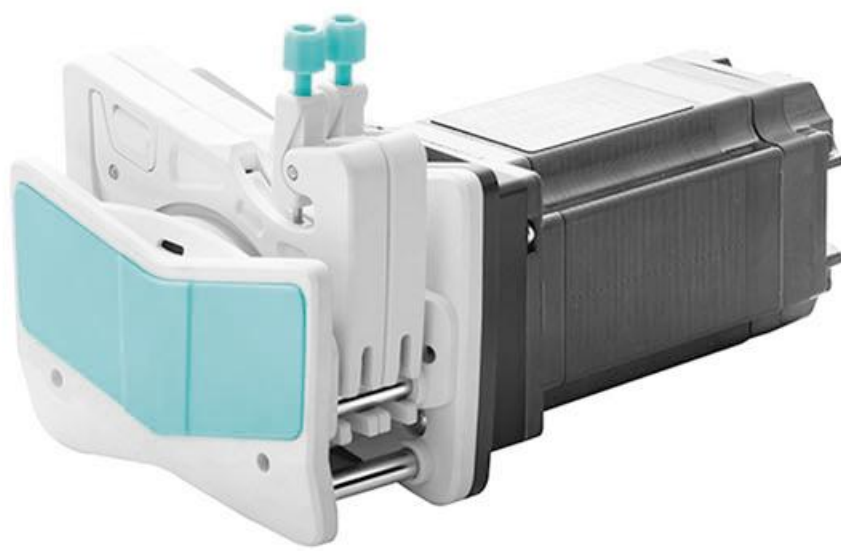


OEM-AMCB206/AMCB207/AMCB208 Technical Specifications

Speed range	0.1-150rpm	Output signal	Open collector output
Flow rate range	0.0002-65.17mL/min	Speed control	OEM-AMCB206: External Analog Speed Control (4-20mA)
Control method	Supports passive switch signals or active digital signals (3.3V-5V) to control start/stop and direction.		OEM-AMCB207: External Analog Speed Control (0-5V)
Control logic	Run on conduction / Run on cutoff (Configurable via host software)		OEM-AMCB208: External Analog Speed Control (0-10V)
Logic input voltage	DC3.3V-5V	Power supply	DC24V-DC36V (Recommended DC36V), ≥100W
Motor type	Integrated closed-loop stepper motor	Working environment	0-40°C, <80%RH no condensation

OEM-AMCB209

Dimension Drawing(Unit: mm)



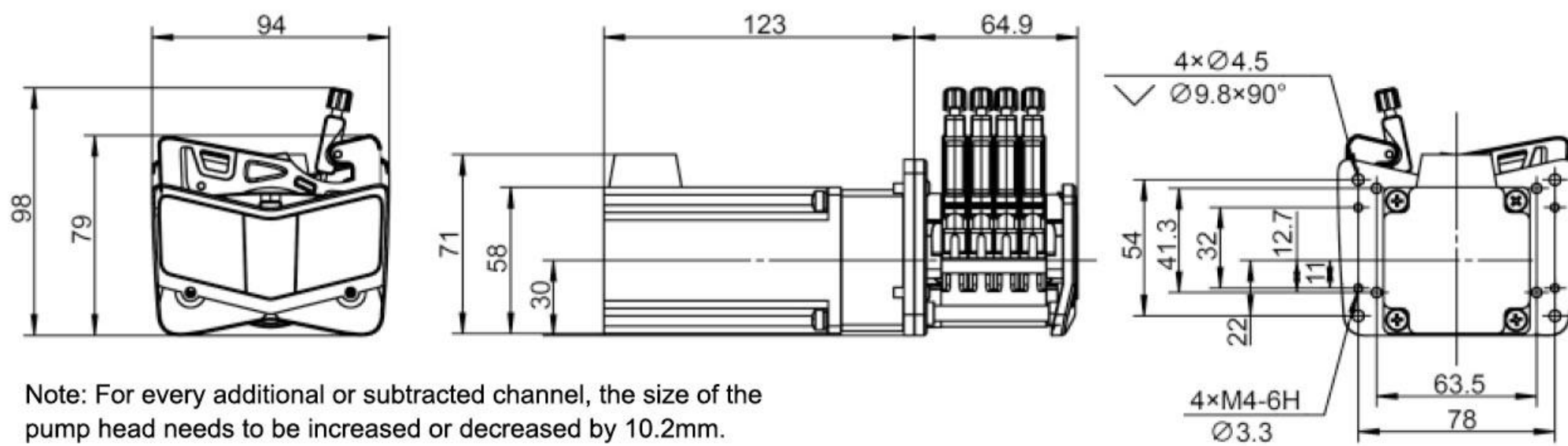
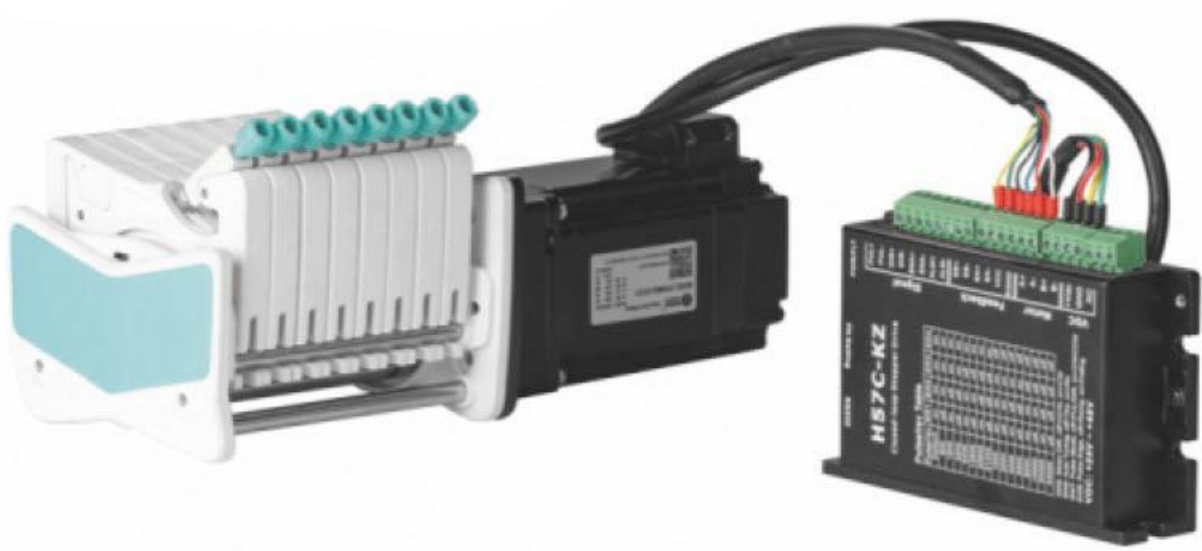
Note: For every additional or subtracted channel, the size of the pump head needs to be increased or decreased by 10.2mm.

OEM-AMCB209 Technical Specifications

Speed range	0.1-150rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0002-65.17mL/min	Output signal	Open collector output
Control method	RS485	Power supply	DC24V-DC36V (Recommend DC36V), $\geq 100W$
Communication address	1-255 (default is 1), configurable via DIP switches or communication interface	Working environment	0-40°C, <80%RH no condensation

OEM-AMCB302

Dimension Drawing(Unit: mm)



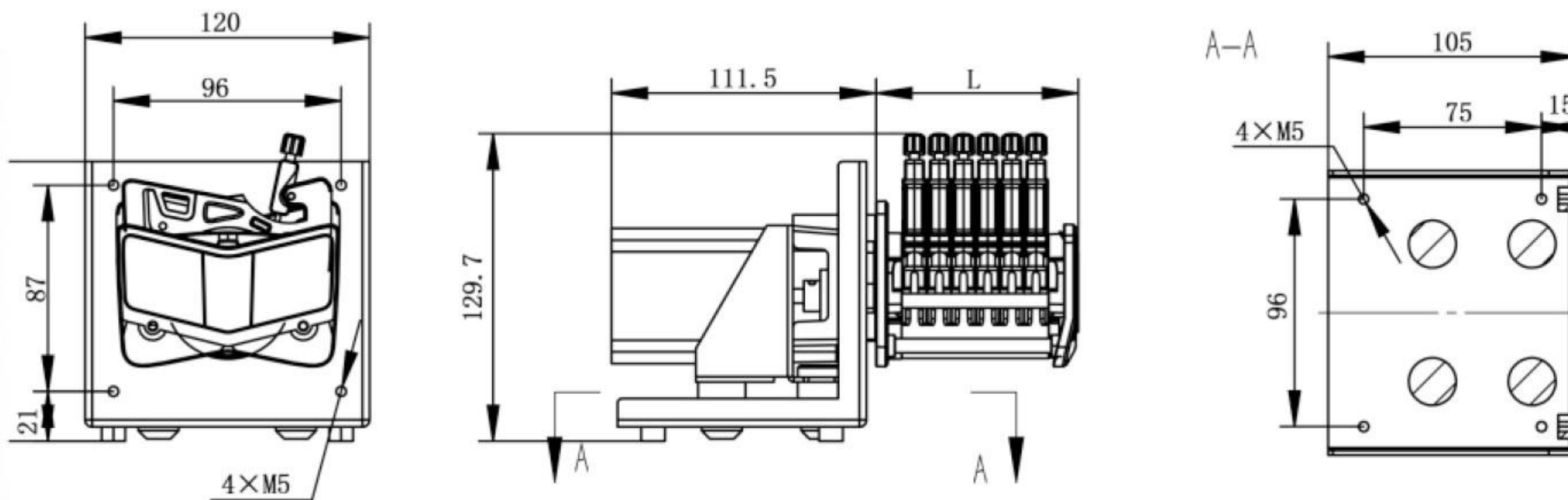
Note: For every additional or subtracted channel, the size of the pump head needs to be increased or decreased by 10.2mm.

OEM-AMCB302 Technical Specifications

Speed range	0.1-150rpm	Current setting	Adaptive current
Flow rate range	0.0002-65.17mL/min	Motor type	57 Closed-loop stepper motor
Speed control	External input pulse frequency speed control	Power supply	DC24-48V(recommend36V), $\geq 80W$
Multiple segments	4-speed DIP switch setting (default 16 subdivisions)	Logic input voltage	5V
		Working environment	0-40°C, <80%RH no condensation

OEM-B29/AMC

Dimension Drawing(Unit: mm)



Note: For every additional or subtracted channel, the size of the pump head needs to be increased or decreased by 10.2mm.

OEM-B29 Technical Specifications

Speed range	0.1-150rpm	Motor step angle	1.8°
Flow rate range	0.0002-65.17mL/min	Motor phase voltage	1.5V
Motor type	57 stepper motor	Motor phase current	3.0A
Motor phase number	2	Working environment	0-40°C, <80%RH no condensation

Quick Load Pump Head

(Pressure Adjustable)

EasyPump Series



(Fixed Pressure)



(4 rollers)



Single channel



Dual channels

Product Introduction

- The unique tube clamp linkage mechanism, with the opening process of the upper pressure block, the tube clamp automatically lifts, the user can easily install the tube. As the upper pressure block is closed, the tube clamp is automatically reset to fix the tube. At the same time, "the Trigger lever assist mechanism" assists the user in pressing the upper pressure block.
- The rubbing wheel mechanism can adjust the position of the lower tube clamp to fix different materials and diameters tube.
- Users can choose single or dual-channel pump heads. You can also choose a pump head with a fixed or adjustable tube pressure gap according to your requirements. The shell material of the pump head including two types: resistant to organic solvents and intolerant to organic solvents.

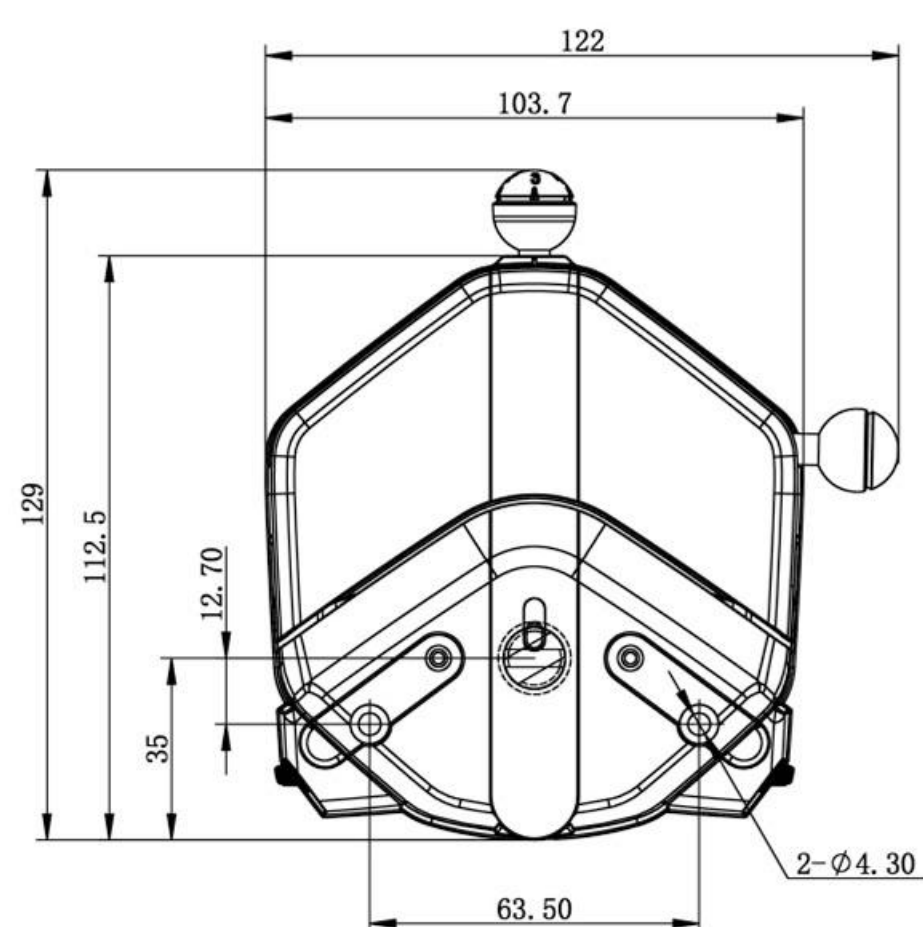
Product Features

- The tube clamp linkage mechanism makes it more convenient to install the tube.
- The rubbing wheel adjustment mechanism can easily fix different size tube.
- The lever assist mechanism makes the operation more labor-saving.
- The tube pressure gap fine-tuning mechanism can adjust the pressure, extend the life of the tube and improve the dispensing accuracy.
- Tube tubes can be installed at the same time to realize single pump head with two channels.

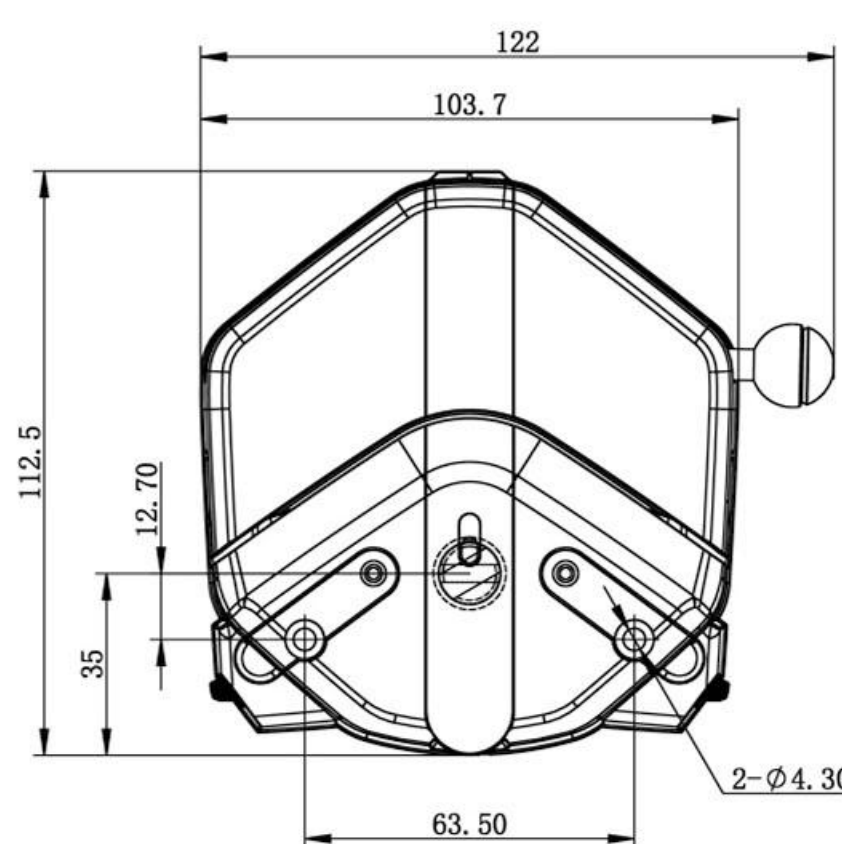
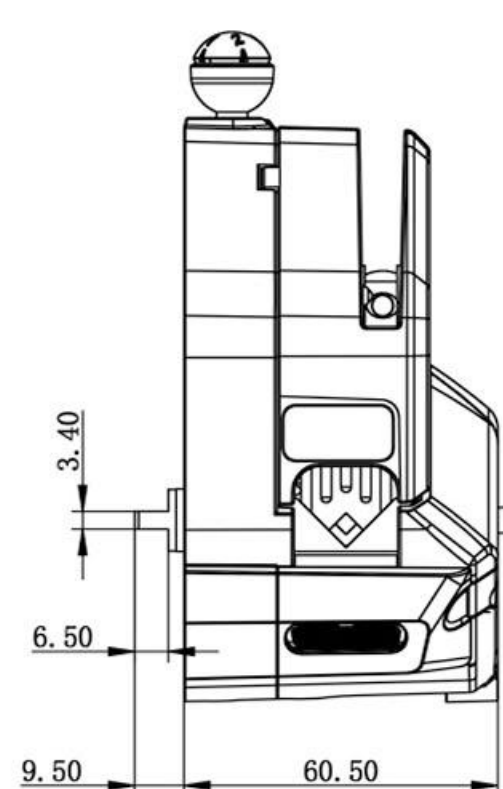
Typical Application

- Support COD on-line monitor.
- Support anorectal therapeutic instrument.
- Support biofermentation cylinder.

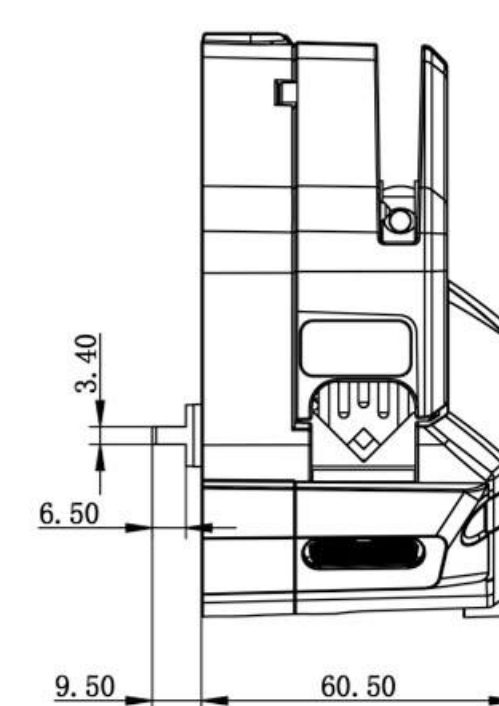
Dimension Drawing (Unit: mm)



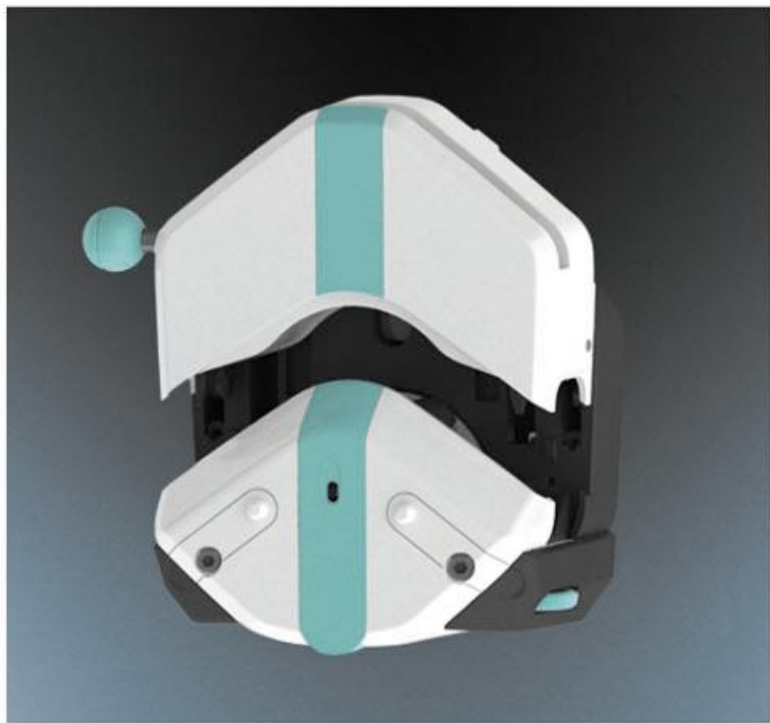
EasyPump Pressure Adjustable



EasyPump Fixed Pressure



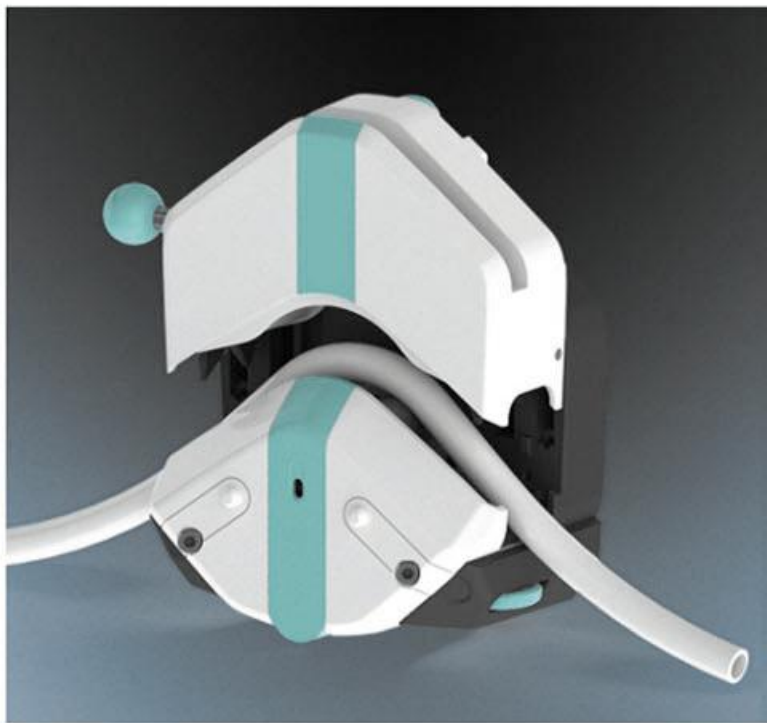
Tubing Installation Procedure



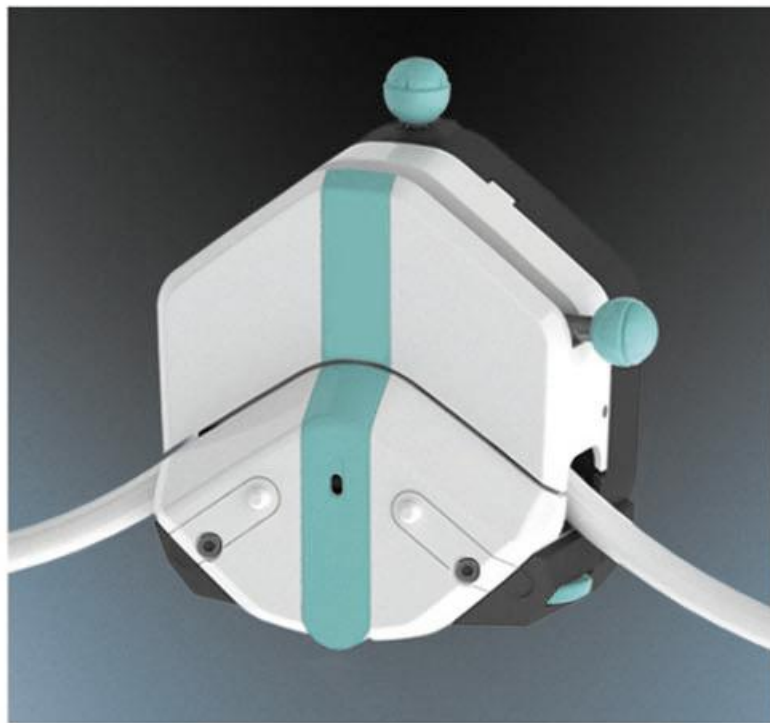
1. Turn the knob anticlockwise 180°, open the upper block.



2. Turn the rubbing wheel to adjust the lower tube clamp position, according to the tubing size.



3. Put the tube between rollers and upper block, tighten up the tubing lightly.



4. Turn the knob clockwise 180°, put the upper block back to original position, fasten the tube.

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Technical Specifications							
Pump Head	Tubing	ID×Wall thickness(mm)	mL/r	Flow Rate(mL/min) (0.1-600rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)
					Intermittent	Continuous	
Single Channel EasyPumpI/III	13 [#]	0.8×1.6	0.053	0.0053-32	0.27	0.17	0.6
	14 [#]	1.6×1.6	0.27	0.027-162			
	19 [#]	2.4×1.6	0.55	0.055-330			
	16 [#]	3.2×1.6	0.933	0.093-560			
	25 [#]	4.8×1.6	1.967	0.197-1180	0.24	0.14	
	17 [#]	6.4×1.6	3.333	0.333-2000	0.14	0.10	
	18 [#]	7.9×1.6	4.3	0.430-2580	0.10	0.07	
Single Channel EasyPumpII/IV	15 [#]	4.8×2.4	1.8	0.180-1080	0.27	0.17	
	24 [#]	6.4×2.4	2.733	0.273-1640			
	35 [#]	7.9×2.4	3.833	0.383-2300	0.24	0.14	
	36 [#]	9.6×2.4	5.167	0.517-3100			
Dual Channel EasyPumpV/VI	13 [#]	0.8×1.6	0.053	0.0053-32	0.27	0.17	
	14 [#]	1.6×1.6	0.27	0.027-162			
	19 [#]	2.4×1.6	0.55	0.055-330			
	16 [#]	3.2×1.6	0.933	0.093-560			
	25 [#]	4.8×1.6	1.967	0.197-1180	0.24	0.14	
Pump Head		Single/Dual Channel		Tubing Wall Thickness(mm)		Pressure Adjustable	
EasyPumpI		Single Channel		1.6		Fixed Pressure	
EasyPumpII		Single Channel		2.4		Fixed Pressure	
EasyPumpIII		Single Channel		1.6		Pressure Adjustable	
EasyPumpIV		Single Channel		2.4		Pressure Adjustable	
EasyPumpV		Dual Channel		1.6		Fixed Pressure	
EasyPumpVI		Dual Channel		1.6		Pressure Adjustable	

Other Color Selection(EasyPump-PPS Series)



EasyPump-PPSG(Pressure Adjustable)



EasyPump-PPSG(Fixed Pressure)

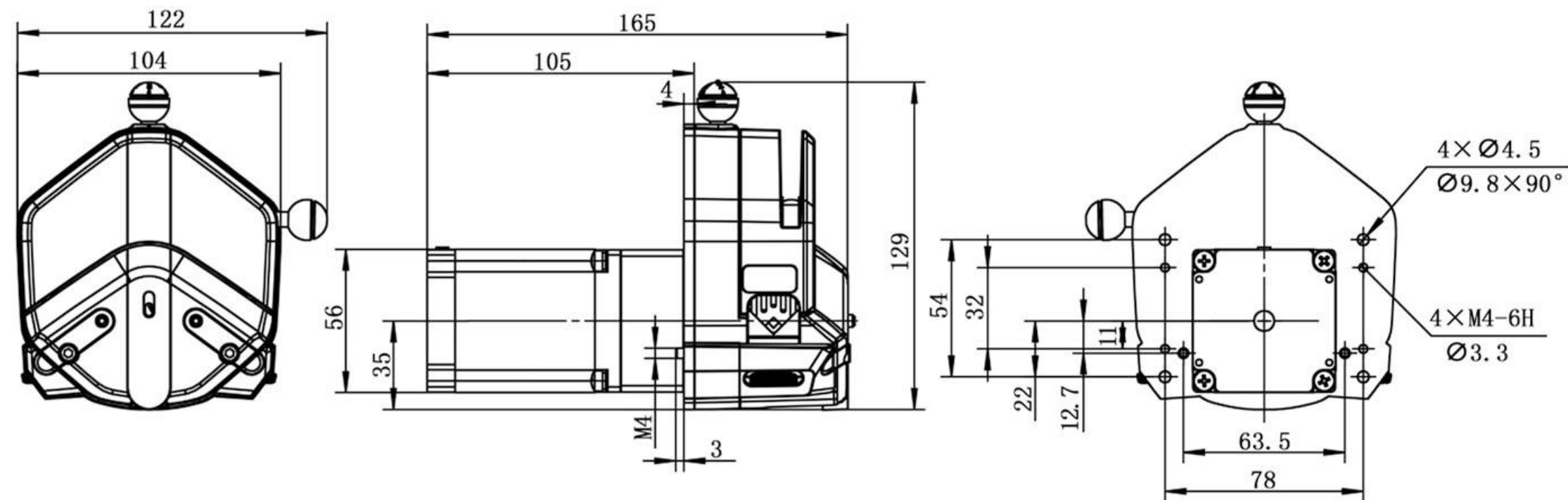
OEM Product

Quick Load Pump Head Series EasyPump

OEM-EYB201

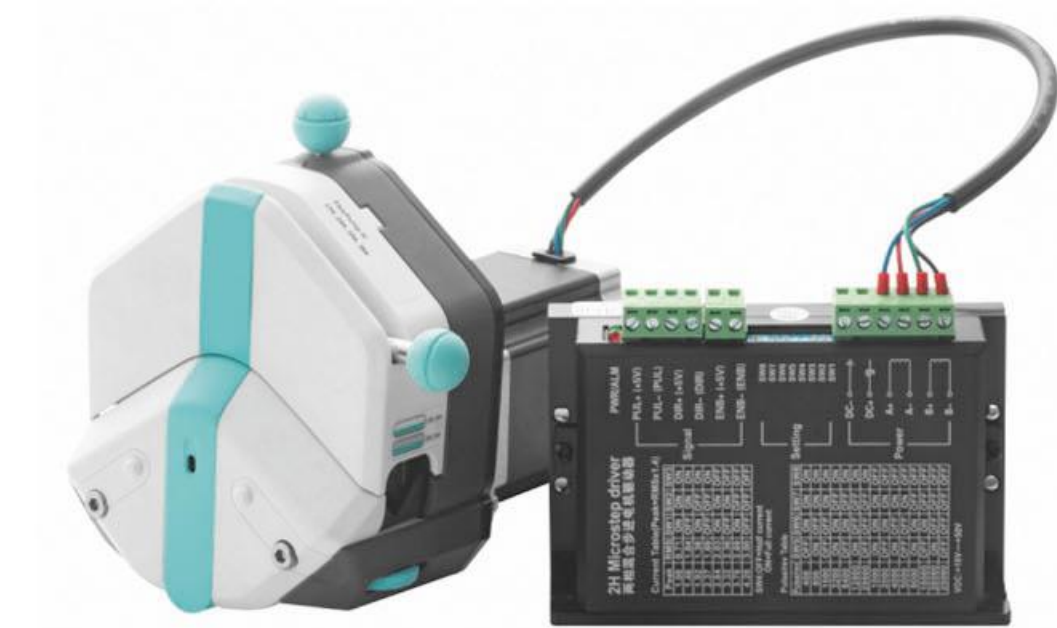


Dimension Drawing(Unit: mm)

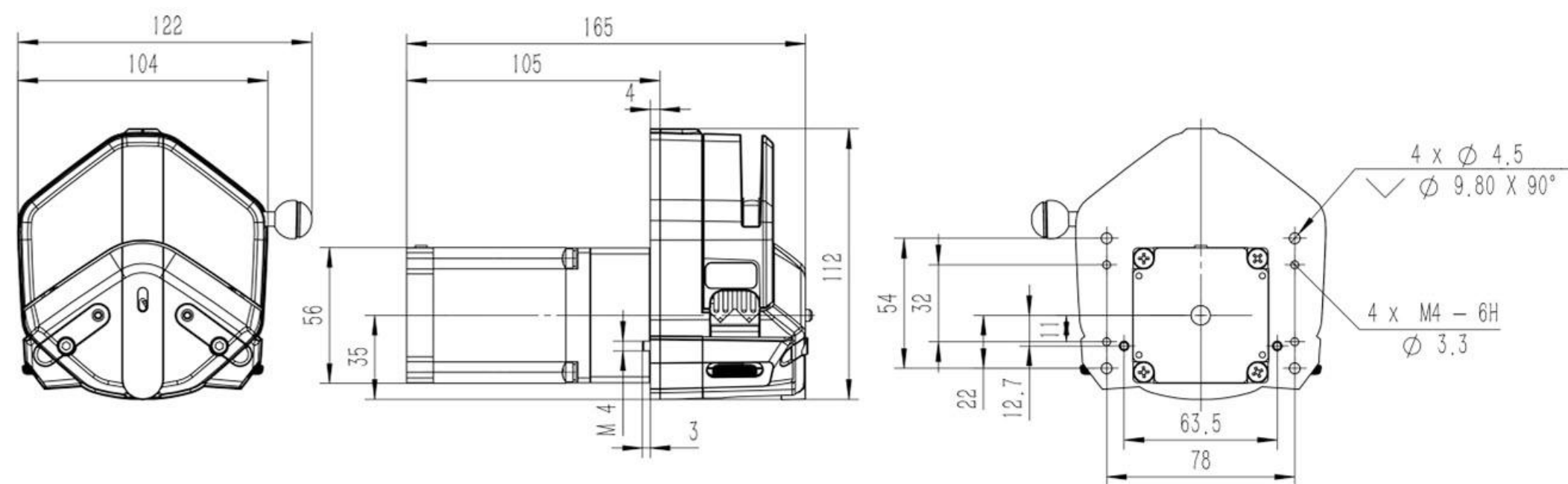


OEM-EYB201 Technical Specifications			
Speed range	0.1-600 rpm	Motor step angle	1.8°
Flow rate range	0.0053-2580mL/min	Motor phase voltage	3.4V
Motor type	57 stepper motor	Motor phase current	3.0A
Motor phase number	2	Working environment	0-40°C, <80%RH no condensation

OEM-EYB204/205

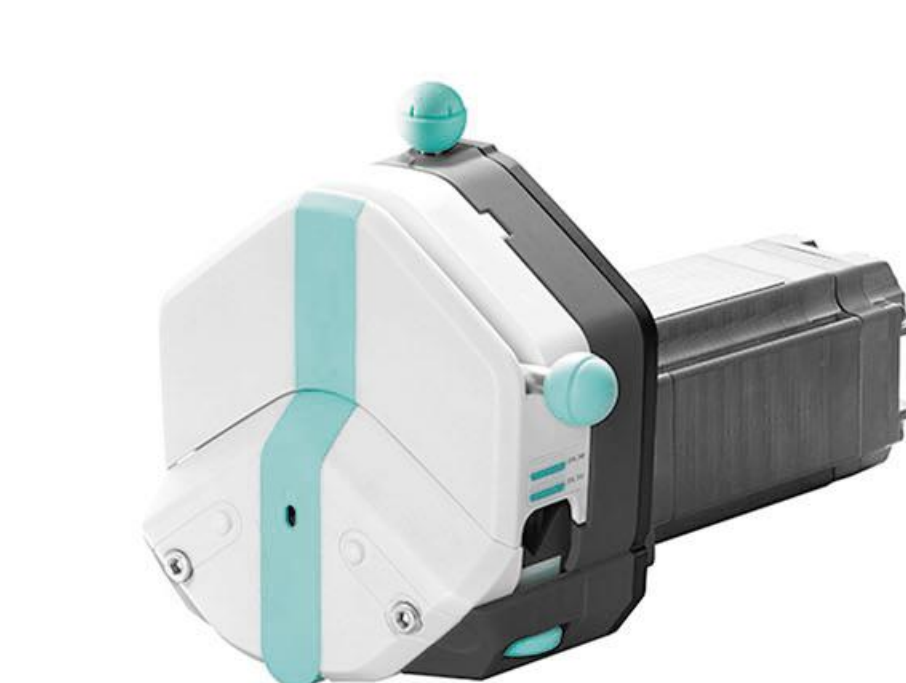


Dimension Drawing(Unit: mm)

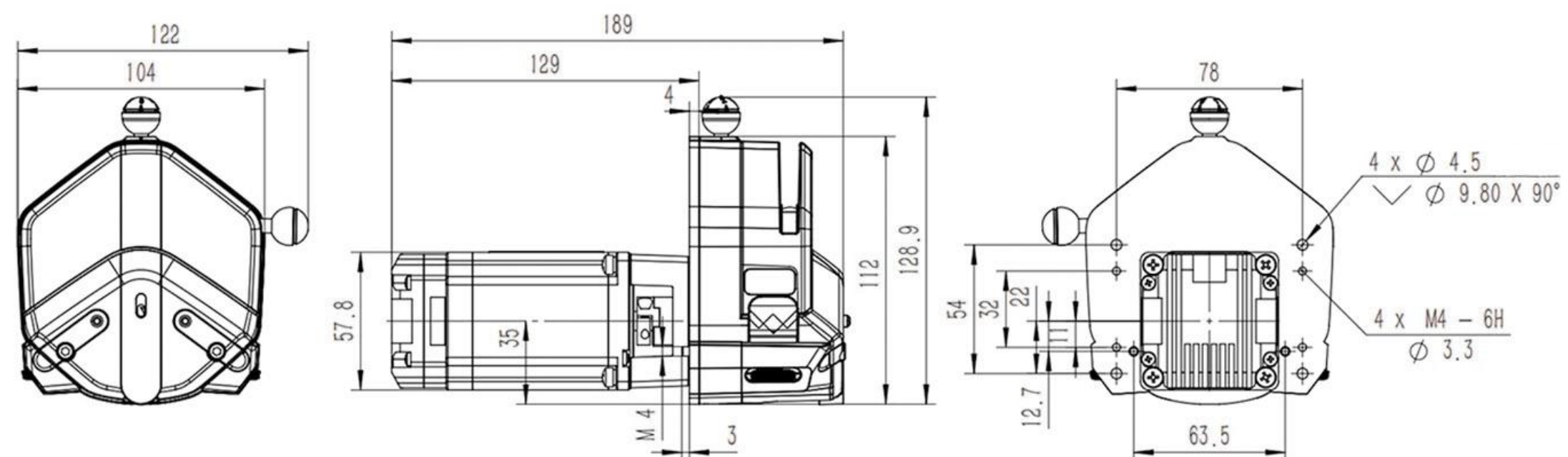


OEM-EYB204/205 Technical Specifications			
Speed range	0.1-600 rpm	Speed control	OEM-EYB204: 0-10V analog signal
Flow rate	0.0053-2580mL/min		OEM-EYB205: 4-20mA analog signal
Motor type	57 stepper motor	Power supply	DC24-36V (DC24V recommended), ≥80W
		Working environment	0-40°C, <80%RH no condensation

OEM-EYB207



Dimension Drawing(Unit: mm)

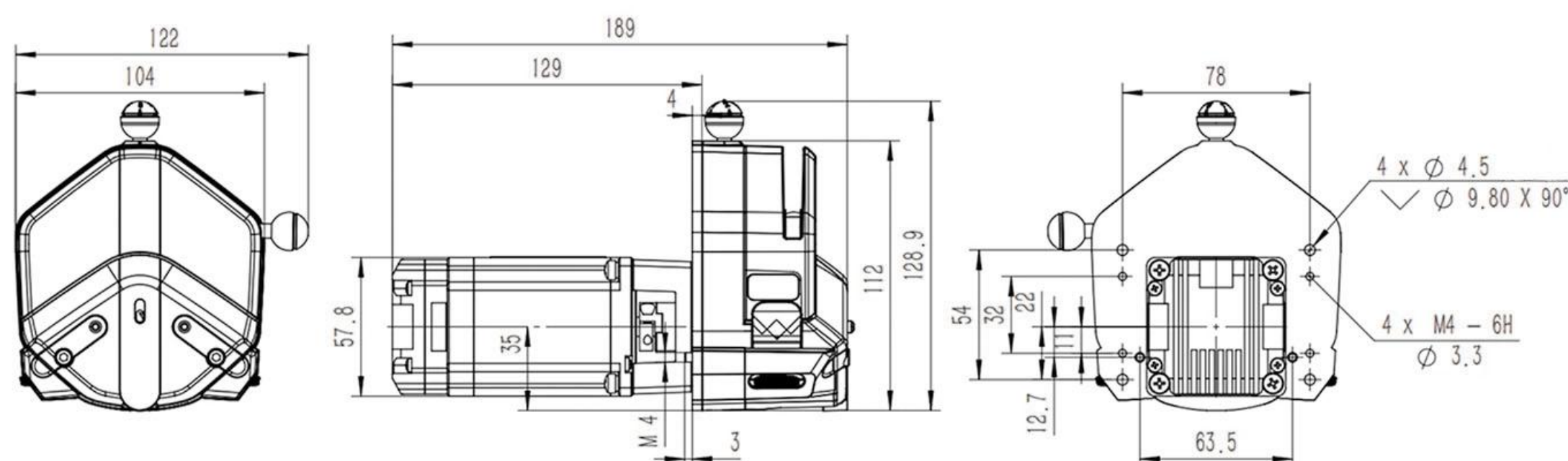


OEM-EYB207 Technical Specifications			
Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Output signal	Open collector output
Speed control	External input pulse frequency speed control	Power supply	DC24V-DC36V (Recommend DC36V), ≥100W
Logic input voltage	DC3.3V-5V	Working environment	0-40°C, <80%RH no condensation
Logic input current	7mA-20mA		

OEM-EYB208



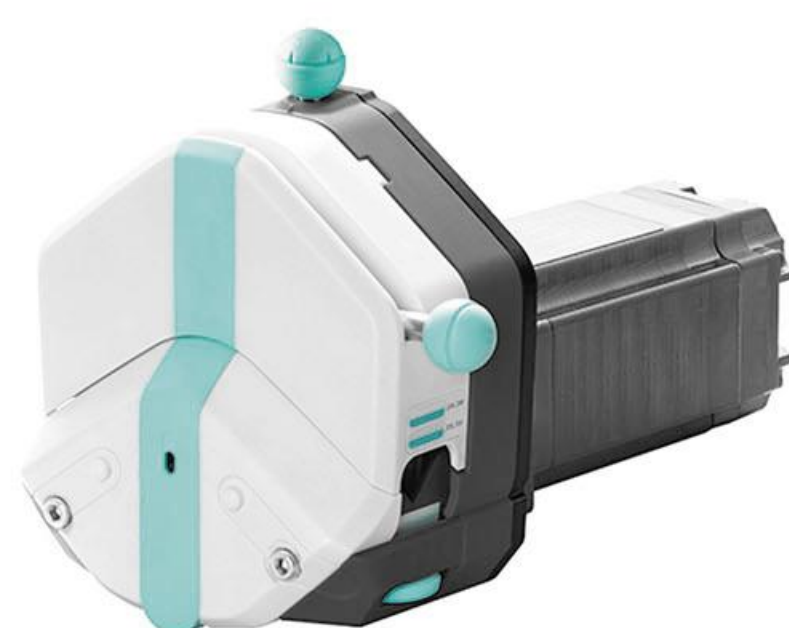
Dimension Drawing(Unit: mm)



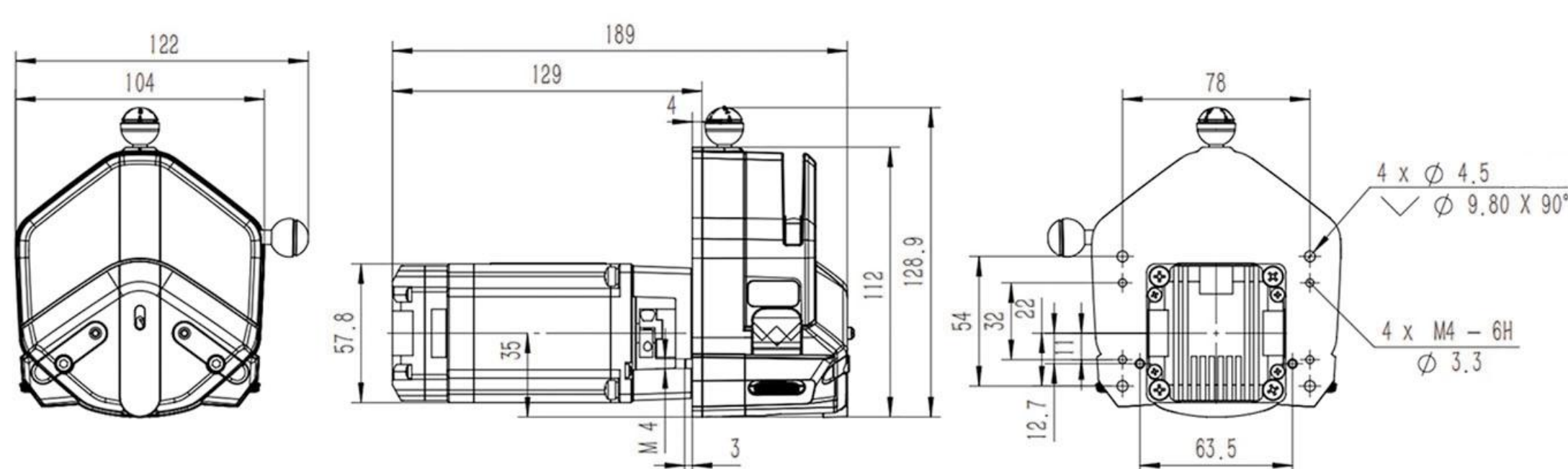
OEM-EYB208 Technical Specifications

Speed range	0.1-600rpm	Logic input voltage	DC3.3V-5V
Flow rate range	0.0053-3100mL/min	Motor type	Integrated closed-loop stepper motor
Control method	Start/stop and direction reversal controlled by passive signal or active signal (3.3V-5V)	Output signal	Open collector output
		Speed control	Speed adjustment via external potentiometer
Control method signal logic	Optocoupler conduction operation/cut-off operation (can be modified by host computer software)	Power supply	DC24V-DC36V (Recommend DC36V), ≥100W
		Working environment	0-40℃, <80%RH no condensation

OEM-EYB209/EYB210/EYB211



Dimension Drawing(Unit: mm)



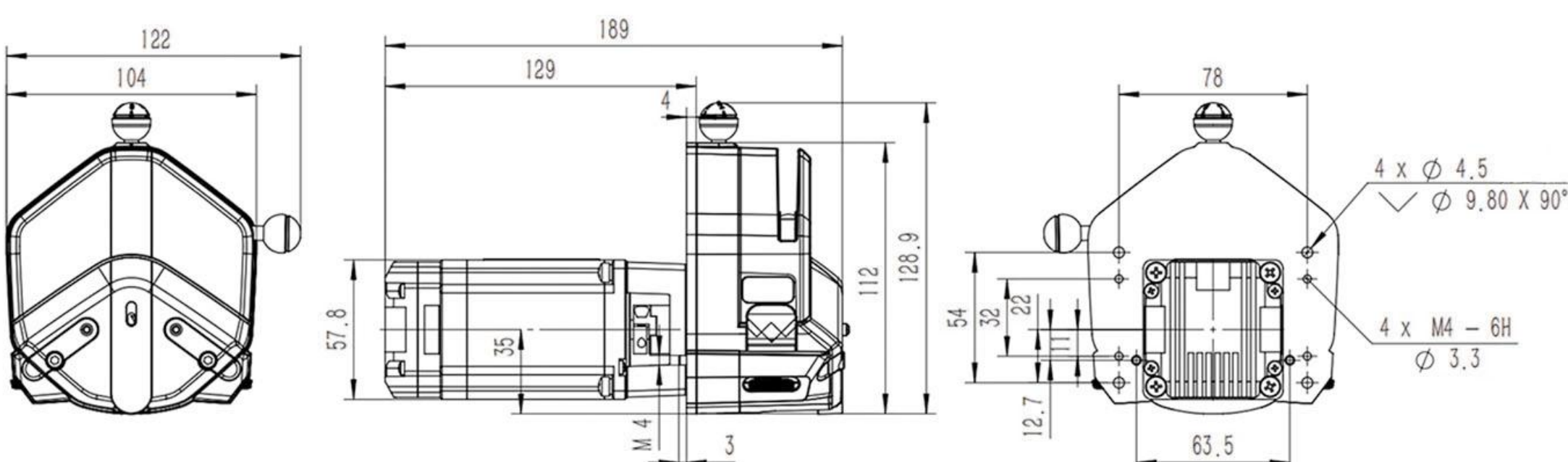
OEM-EYB209/EYB210/EYB211 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Output signal	Open collector output
Control method	Start/stop and direction reversal controlled by passive signal or active signal (3.3V~5V)	Speed control	OEM-EYB209:External analog speed control via 4~20 mA signal
			OEM-EYB210:External analog speed control via 0-5V signal
Control method signal logic	Optocoupler conduction operation/cut-off operation (can be modified by host computer software)		OEM-EYB211:External analog speed control via 0-10V signal
		Power supply	DC24V-DC36V (Recommend DC36V), ≥100W
Logic input voltage	DC3.3V-5V	Working environment	0-40℃, <80%RH no condensation

OEM-EYB212



Dimension Drawing(Unit: mm)



OEM-EYB212 Technical Specifications

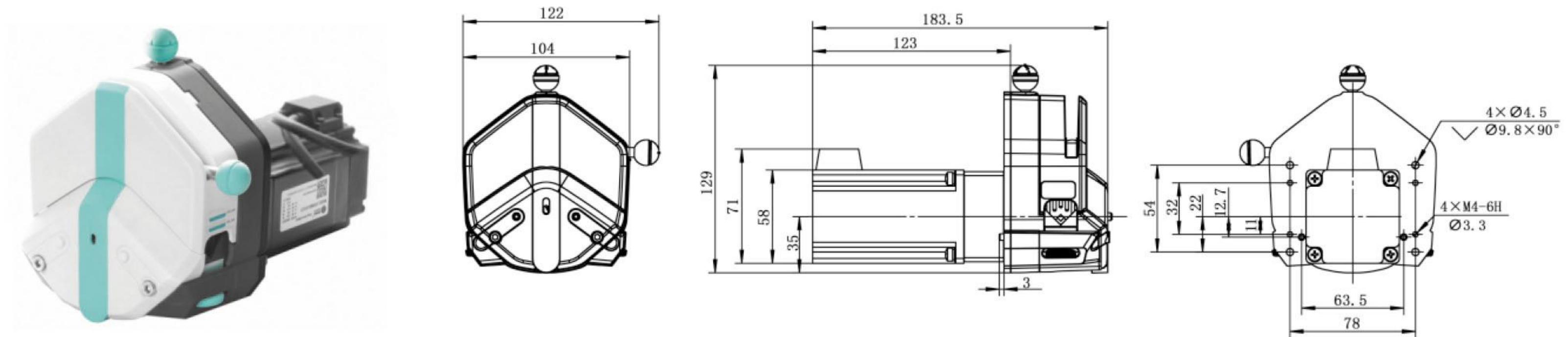
Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Output signal	Open collector output
Control method	RS485	Power supply	DC24V-DC36V (Recommend DC36V), ≥100W
Communication address	1-255 (default is 1), configurable via DIP switches or communication interface	Working ambient	0-40°C, <80%RH no condensation

OEM Product

Quick Load Pump Head Series EasyPump

OEM-EYB301

Dimension Drawing(Unit: mm)

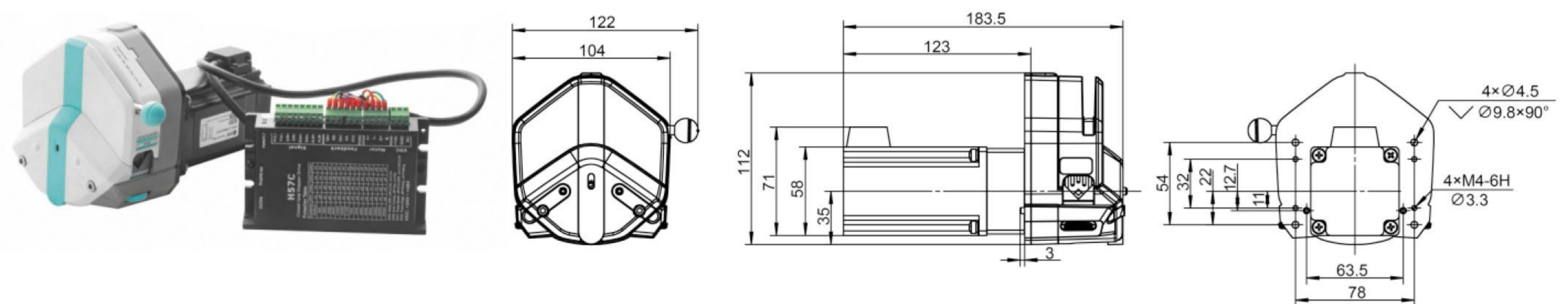


OEM-EYB301 Technical Specifications

Speed range	0.1-600 rpm	Motor phase voltage	1.9V
Flow rate range	0.0053-3100mL/min	Motor phase current	5.0A
Motor type	57 Closed-loop stepper motor	Encoder power voltage	DC5V(±10%)
Motor phase number	2	Encoder resolution	1000cpr
Motor step angle	1.8°	Working environment	0-40°C, <80%RH no condensation

OEM-EYB302

Dimension Drawing(Unit: mm)

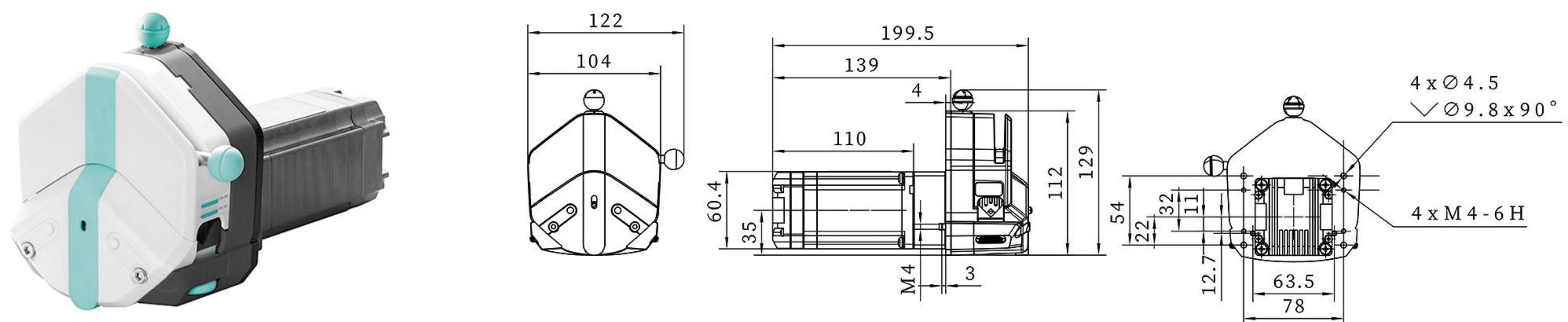


OEM-EYB302 Technical Specifications

Speed range	0.1-600 rpm	Motor type	57 Closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Power supply	DC24V-48V (Recommend DC36V), ≥80W
Speed control	External input pulse frequency speed control	Logic input voltage	5V
Subdivision settings	4-speed DIP switch setting(default 16 subdivisions)	Working environment	0-40°C, <80%RH no condensation
Current setting	Adaptive current		

OEM-EYB312

Dimension Drawing(Unit: mm)



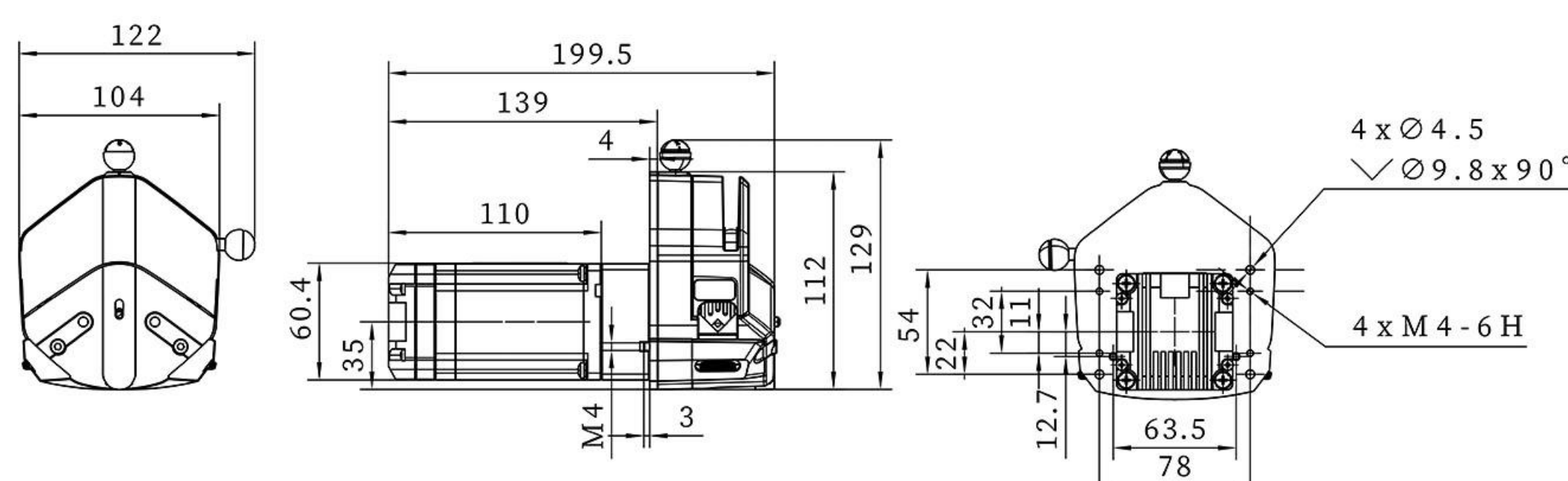
OEM-EYB312 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Output signal	Open collector output
Speed control	External input pulse frequency speed control	Power supply	DC24V-DC36V (Recommend DC36V), ≥120W
Logic input voltage	DC3.3V-5V	Working environment	0-40°C, <80%RH no condensation
Logic input current	7mA-20mA		

OEM-EYB313



Dimension Drawing(Unit: mm)



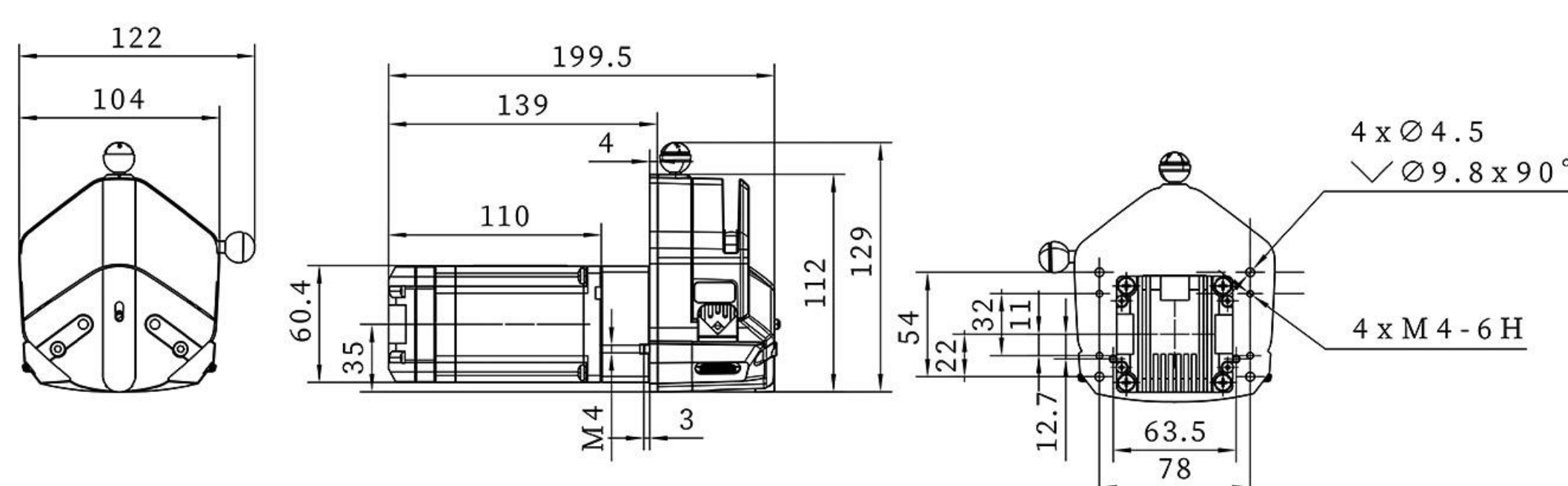
OEM-EYB313 Technical Specifications

Speed range	0.1-600rpm	Logic input voltage	DC3.3V-5V
Flow rate range	0.0053-3100mL/min	Motor type	Integrated closed-loop stepper motor
Control method	Start/stop and direction reversal controlled by passive signal or active signal (3.3V-5V)	Output signal	Open collector output
		Speed control	Speed adjustment via external potentiometer
Control method signal logic	Optocoupler conduction operation/cut-off operation (can be modified by host computer software)	Power supply	DC24V-DC36V (Recommend DC36V), ≥120W
		Working environment	0-40°C, <80%RH no condensation

OEM-EYB314/EYB315/EYB316



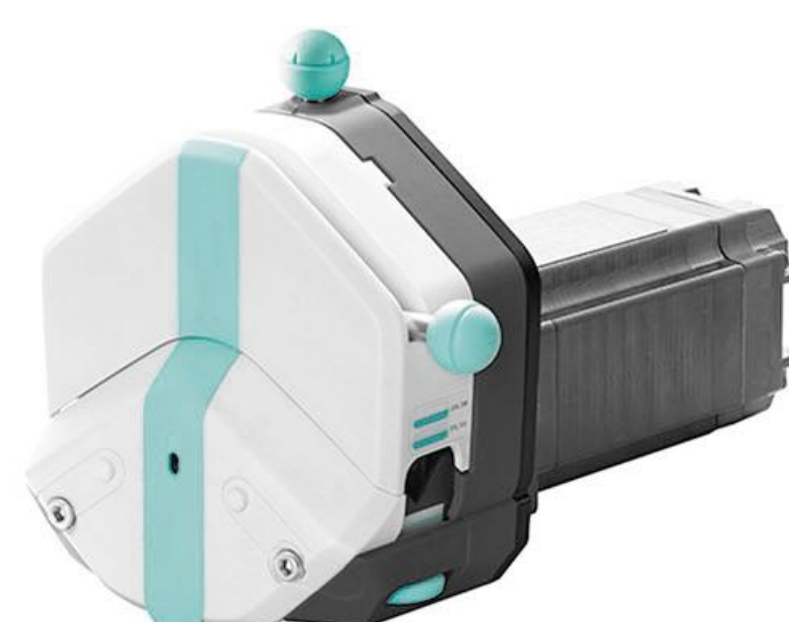
Dimension Drawing(Unit: mm)



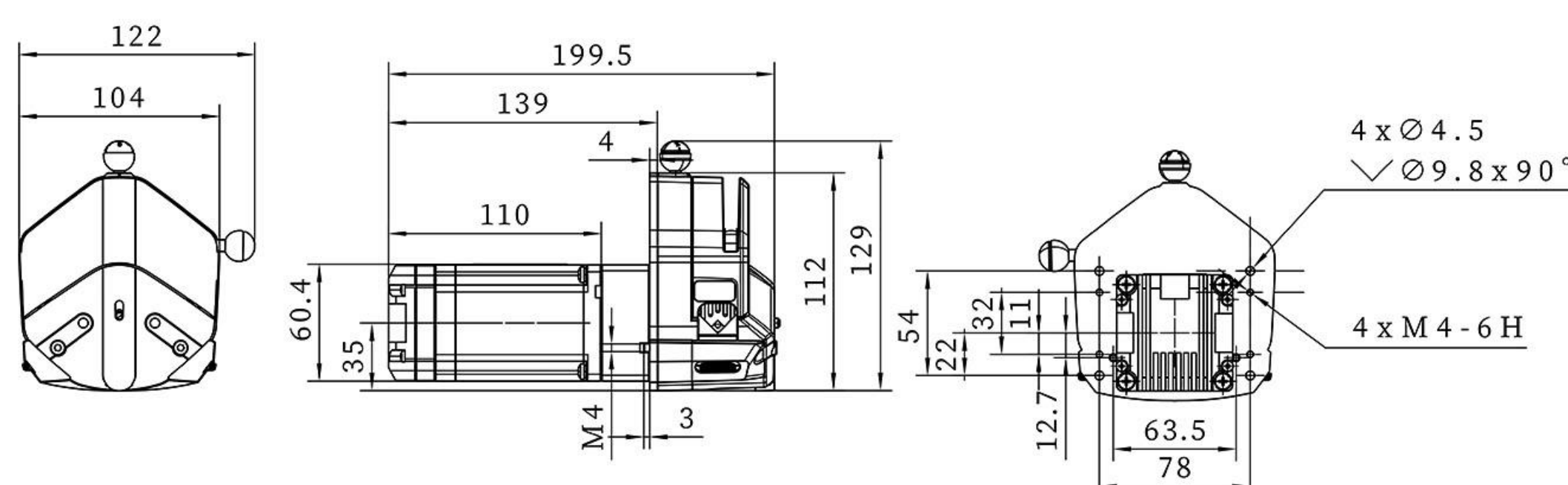
OEM-EYB314/EYB315/EYB316 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Output signal	Open collector output
Control method	Start/stop and direction reversal controlled by passive signal or active signal (3.3V-5V)	Speed control	OEM-EYB314:External analog speed control via 4-20 mA signal OEM-EYB315:External analog speed control via 0-5V signal OEM-EYB316:External analog speed control via 0-10V signal
		Power supply	DC24V-DC36V (Recommend DC36V), ≥120W
Control method signal logic	Optocoupler conduction operation/cut-off operation (can be modified by host computer software)	Working environment	0-40°C, <80%RH no condensation
Logic input voltage	DC3.3V-5V		

OEM-EYB317



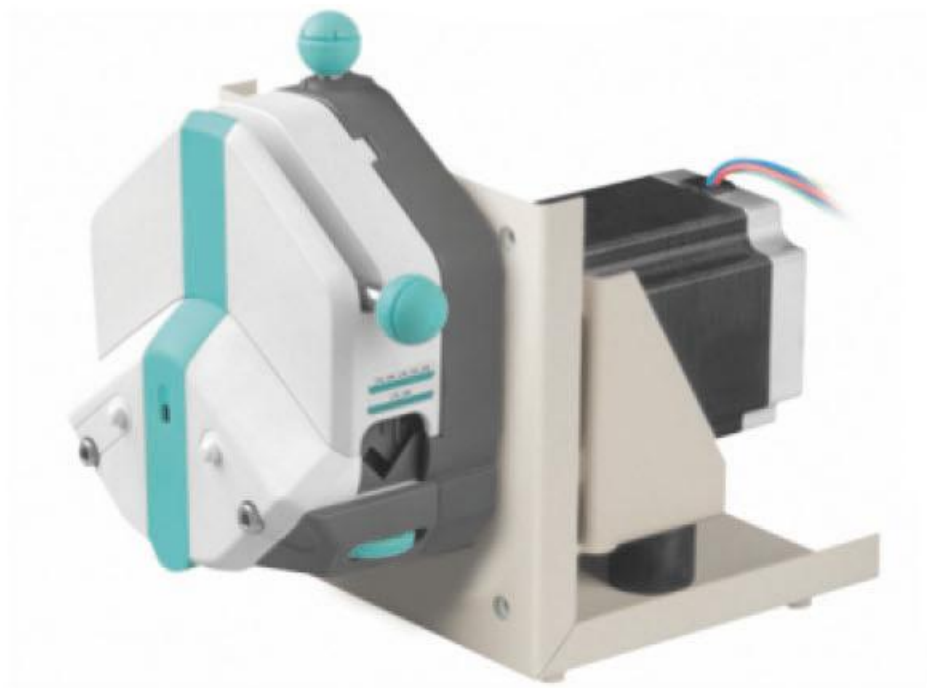
Dimension Drawing(Unit: mm)



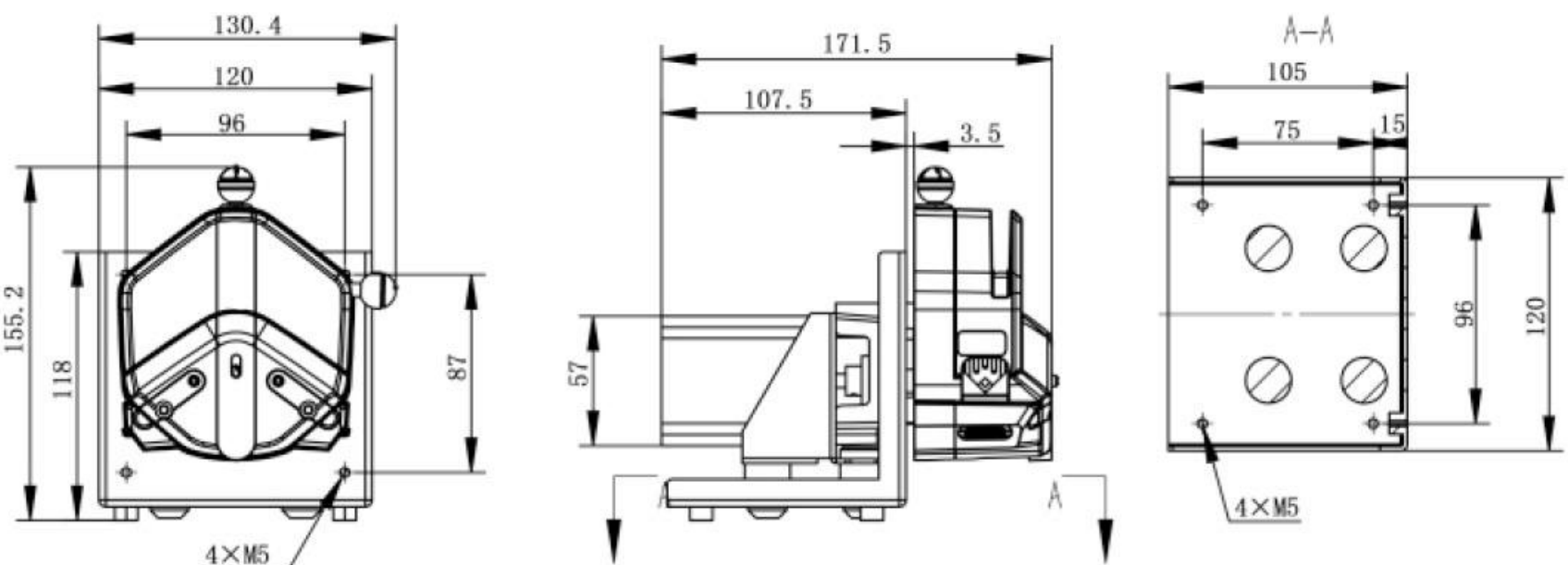
OEM-EYB317 Technical Specifications

Speed range	0.1-600rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0053-3100mL/min	Output signal	Open collector output
Control method	RS485	Power supply	DC24V-DC36V (Recommend DC36V), ≥120W
Communication address	1-255 (default is 1), configurable via DIP switches or communication interface	Working ambient	0-40°C, <80%RH no condensation

OEM-B29



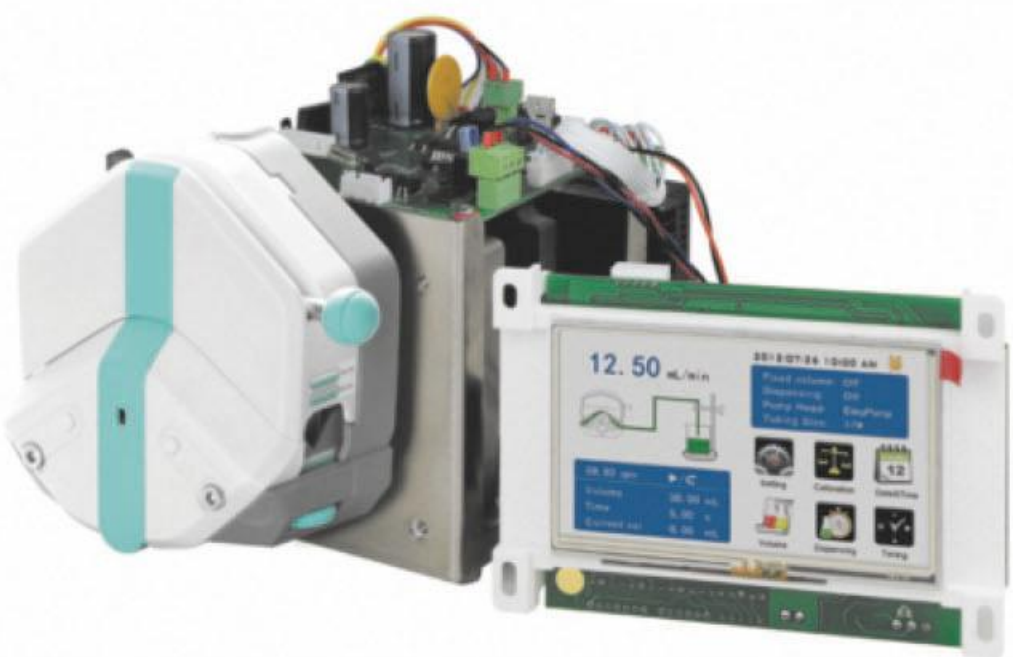
Dimension Drawing(Unit: mm)



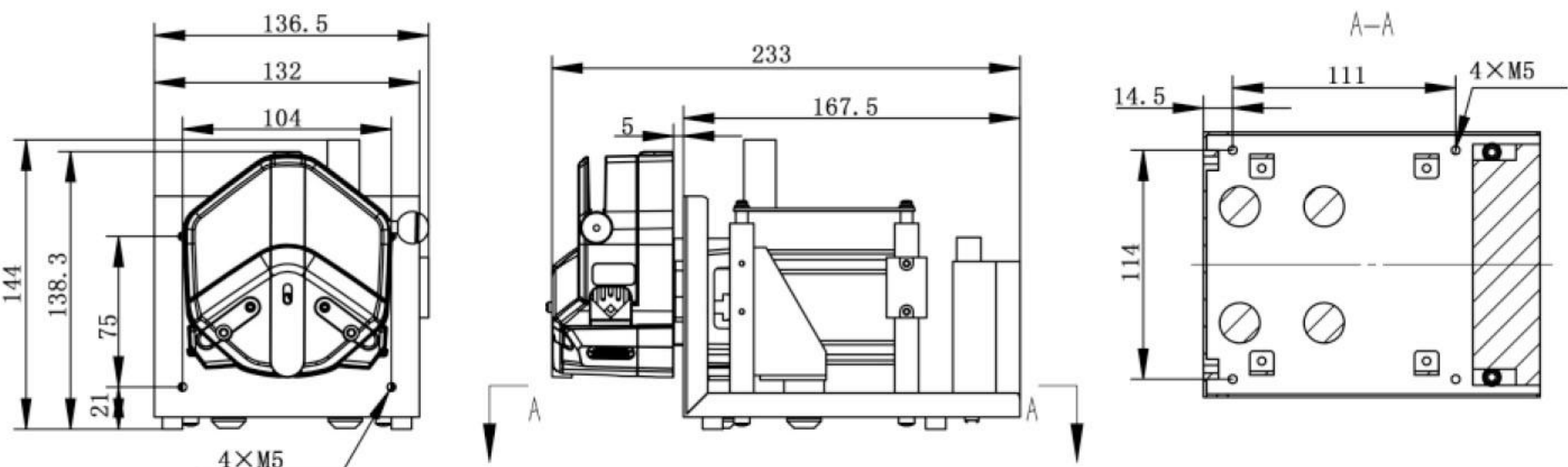
OEM-B29 Technical Specifications

Speed range	0.1-600 rpm	Motor step angle	1.8°
Flow rate range	0.0053-2580mL/min	Motor phase voltage	1.5V
Motor type	57stepper motor	Motor phase current	3.0A
Motor phase number	2	Working environment	0-40°C, <80%RH no condensation

OEM-B242/B244



Dimension Drawing(Unit: mm)



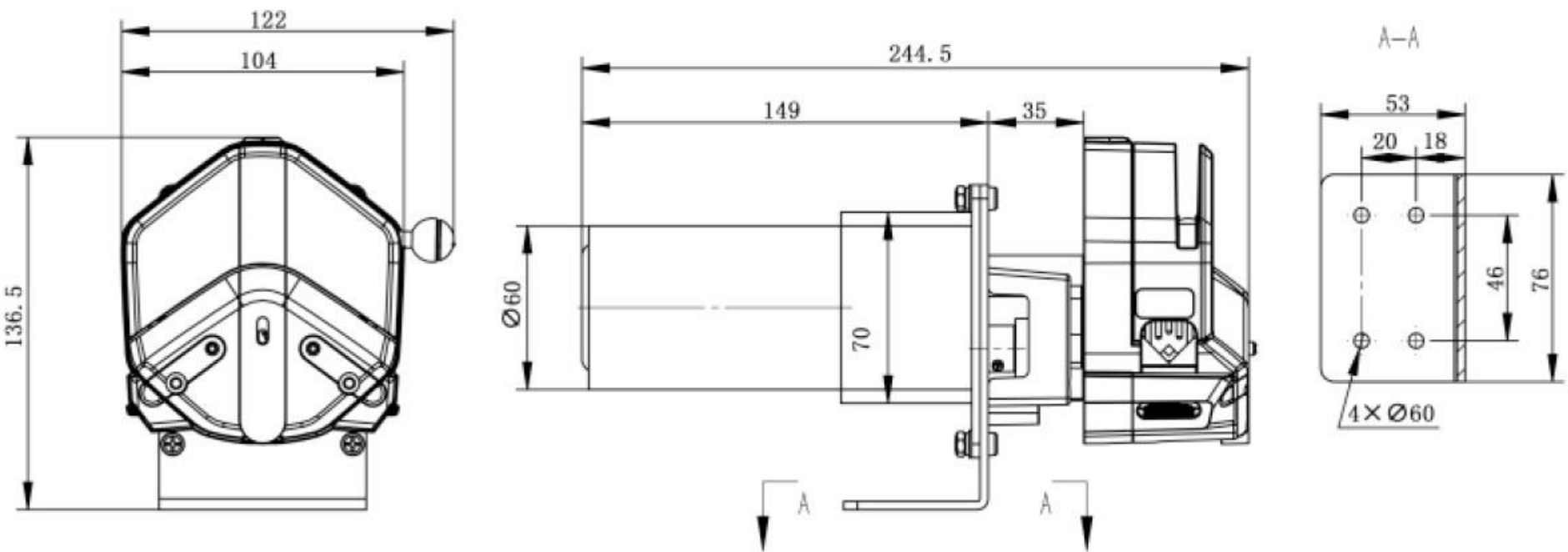
OEM-B242/B243/B244 Technical Specifications

Motor type	Stepper motor	Function type	OEM-B242, Flow rate type
Display	Industrial grade 4.3" LCD color display		OEM-B244, Multichannel dispensing type
Control method	Touch screen and Mechanical keypad		
Speed range	≤600rpm	Working environment	0-40°C, <80%RH no condensation
Max.flow rate	2580mL/min		

OEM-Z216



Dimension Drawing(Unit: mm)



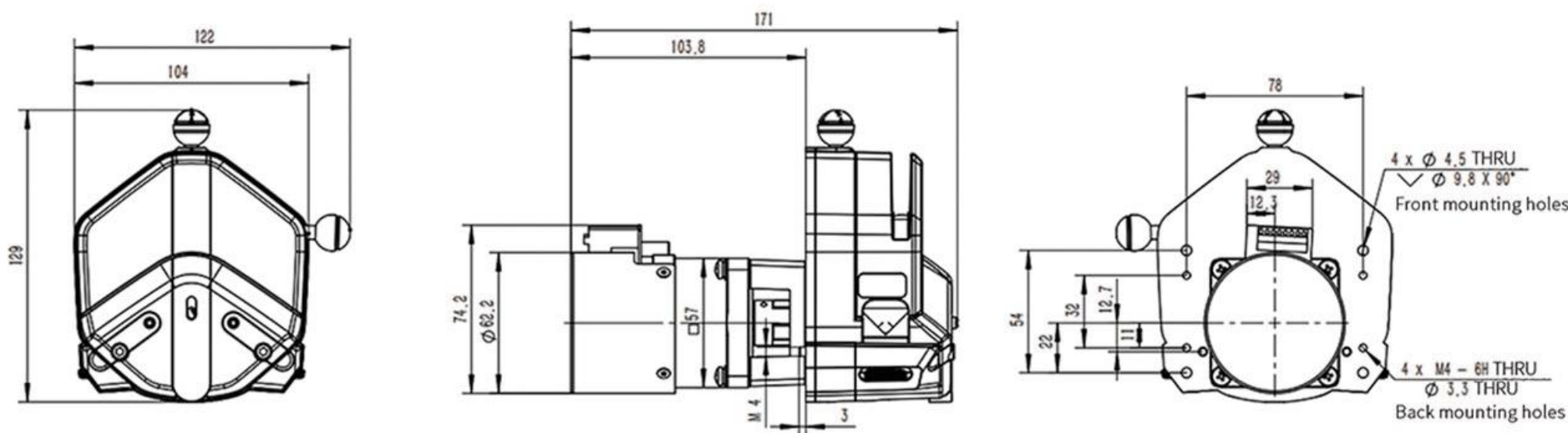
OEM-Z216 Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-Z216	DC geared motor	DC24V	450	≤±10%	0-40°C, <80%RH no condensation

OEM-EYXZ001



Dimension Drawing(Unit: mm)

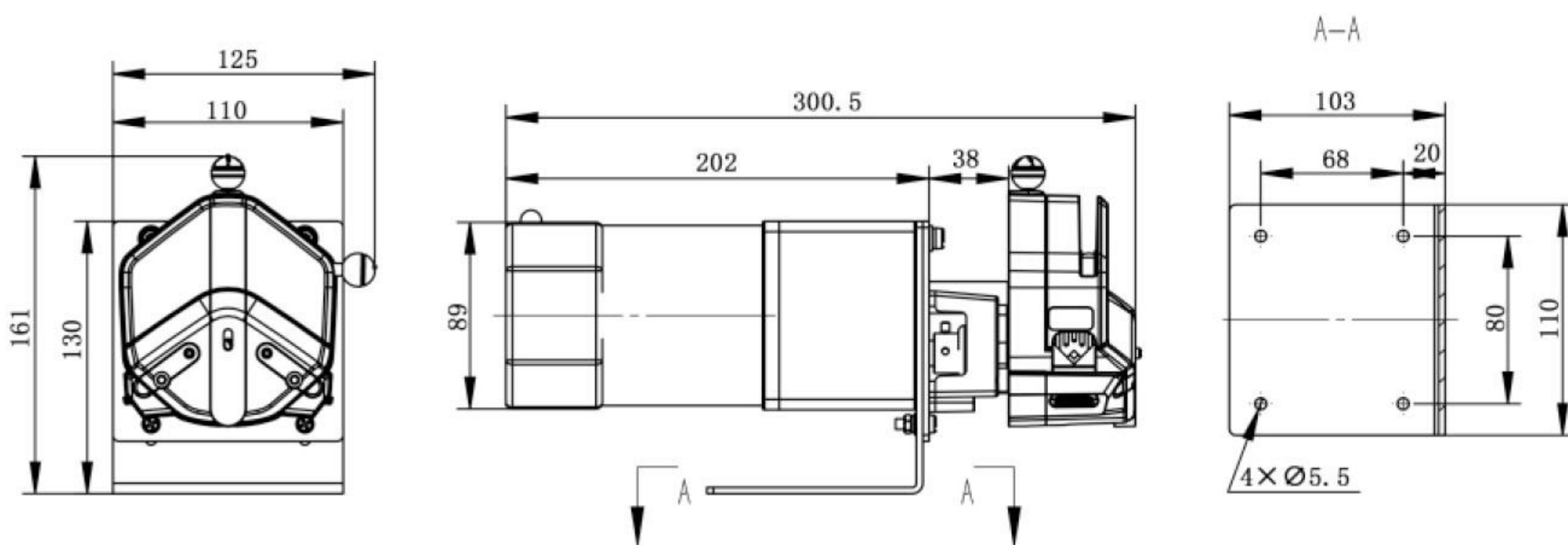


OEM-EYXZ001 Technical Specifications			
Power supply	DC24V/6.5A	Speed signal output	Pulse frequency output
Speed control voltage	0-5V	Ambient temperature	0-40°C
Motor speed	0-600rpm±5%	Ambient humidity	≤80% RH, no condensation
Motor type	Brushless DC Planetary Gear Motor	Working environment	Keep away from heating equipment, avoid dust, oil mist, corrosive gas and strong vibration.

OEM-JT12



Dimension Drawing(Unit: mm)



OEM-JT12 Technical Specifications					
Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-JT12	AC speed adjustable motor	AC220V/AC110V	43-430	≤±10%	0-40°C, <80%RH no condensation

Quick Load Pump Head

HandyPump



Single channel



Dual channel

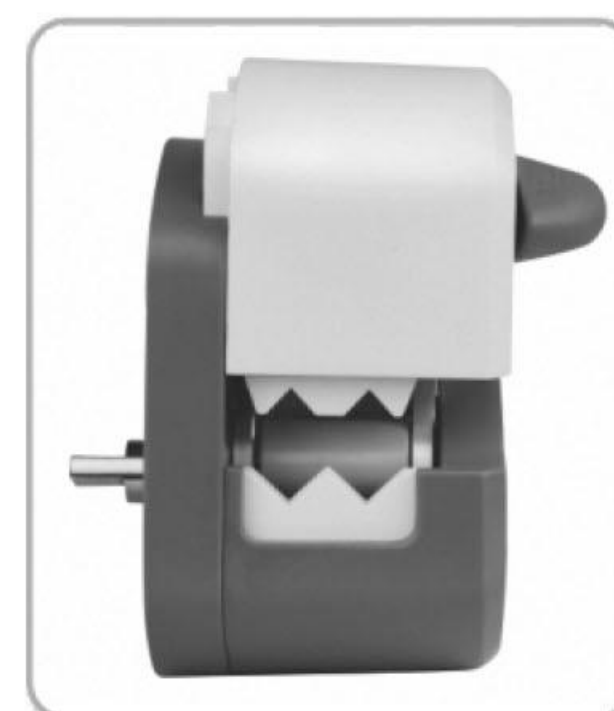
(3/6rollers)

Product Features

- | Flow rate range: 0.0033-365.69mL/min (3 rollers)
0.0031-190.81mL/min (6 rollers)
- | Front knob to open the pump head, save space.
- | Automatic tubing retention makes tube loading easy and quick.
- | Single and dual-channel head available.
- | 5 different sizes tubing to meet different flow rate requirements.



Single channel
HandyPump01



Dual channel
HandyPump02

HandyPump-PPS Series

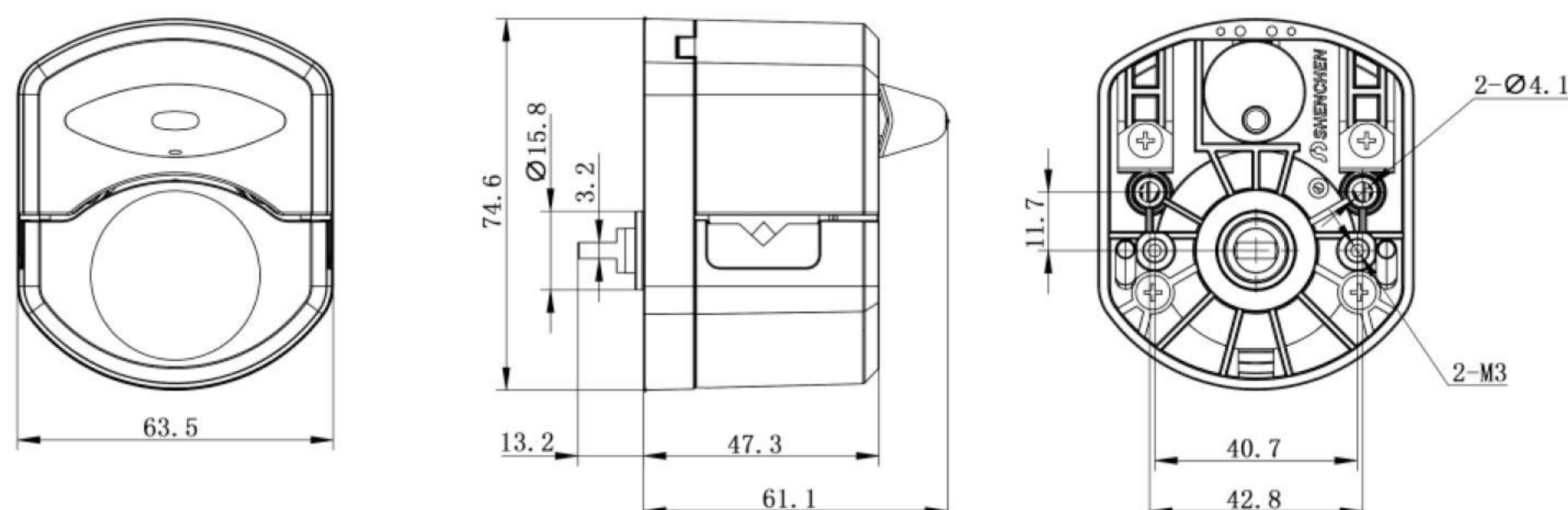


Single channel



Dual channel

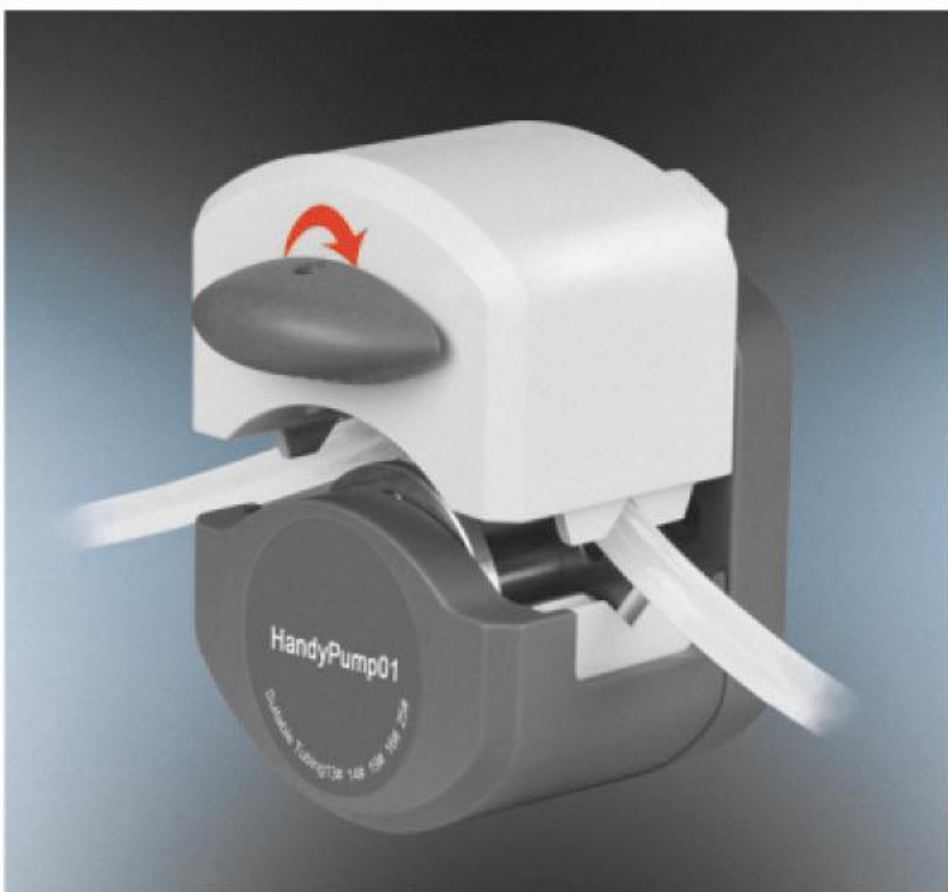
Dimension Drawing(Unit: mm)



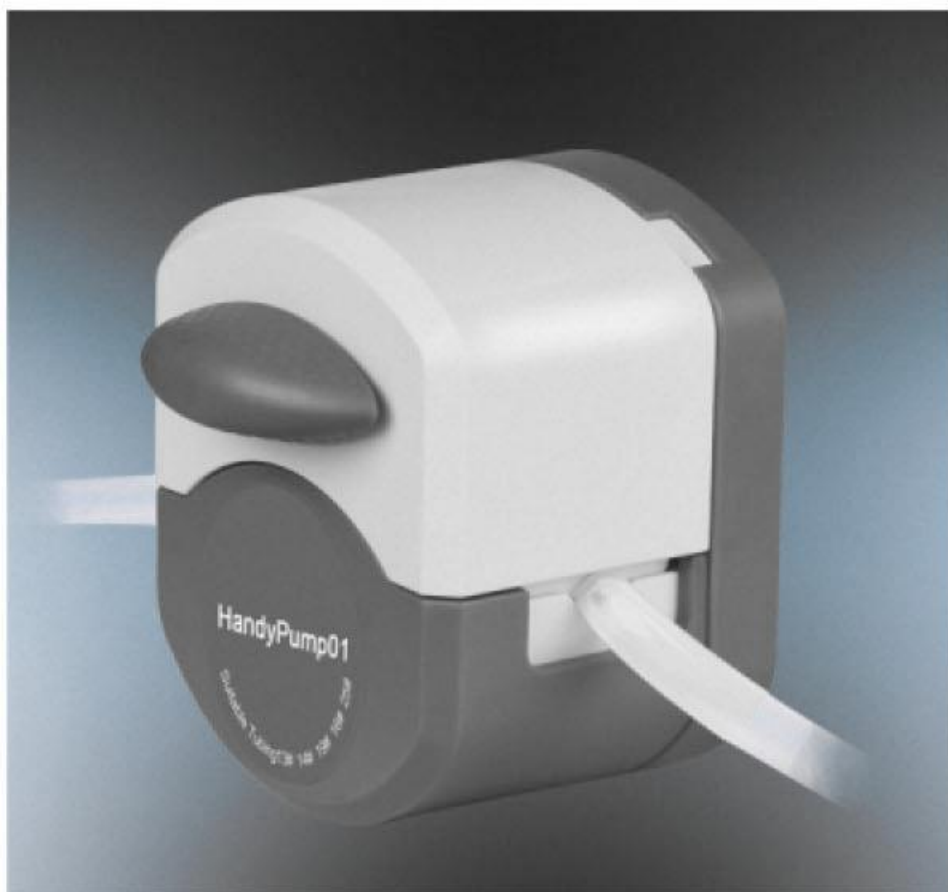
Tubing Installation Procedure



A. Turn the knob anticlockwise 180°, open the upper block.



B. Put the tube between rollers and upper block, tighten up the tubing lightly.



C. Turn the knob clockwise 180°, put the upper block back to original position, fasten the tube.

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

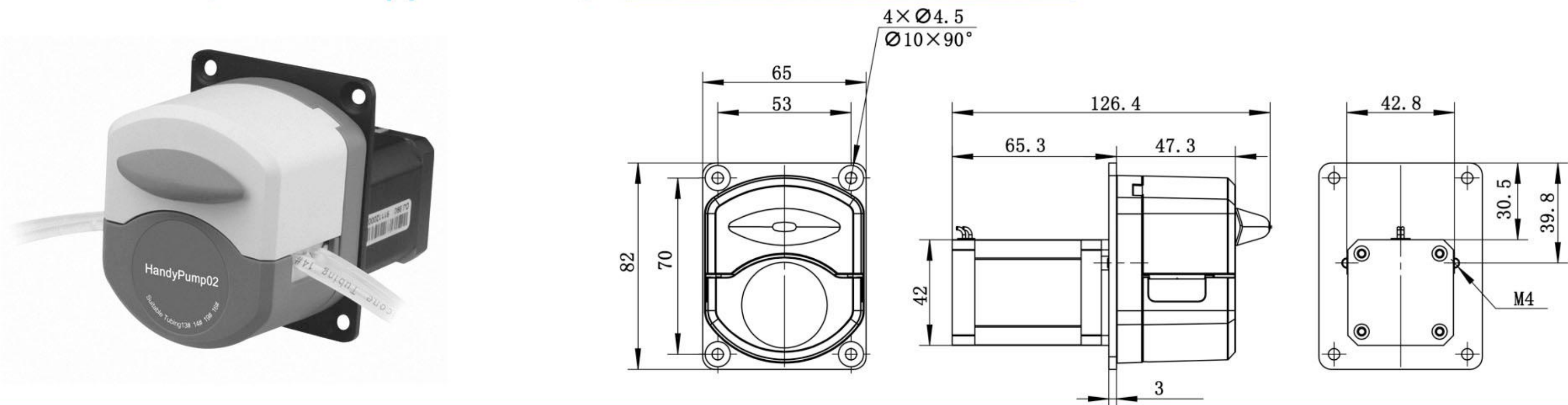
Technical Specifications									
Pump Head	Channel number	Tubing	ID×Wall thickness(mm)	mL/r (3 rollers)	mL/r (6 rollers)	Speed (rpm)	Flow Rate(mL/min) (3 rollers)	Flow Rate(mL/min) (6 rollers)	Weight (kg)
HandyPump01	Single channel	13#	0.8×1.6	0.033	0.031	0.1~300	0.0033~10.03	0.00312~9.36	0.224 (3 rollers)
		14#	1.6×1.6	0.187	0.126		0.0187~56.09	0.0208~37.68	
		19#	2.4×1.6	0.371	0.215		0.0371~111.17	0.0036~64.51	0.302 (6 rollers)
		16#	3.2×1.6	0.636	0.345		0.0636~190.76	0.0059~103.51	
		25#	4.8×1.6	1.219	0.636		0.1219~365.69	0.01038~190.81	
HandyPump02	Dual channel	13#	0.8×1.6	0.033	—	0.1~300	0.0033~10.03	—	0.224 (3 rollers)
		14#	1.6×1.6	0.187	—		0.0187~56.09	—	
		19#	2.4×1.6	0.371	—		0.0371~111.17	—	
		16#	3.2×1.6	0.636	—		0.0636~190.76	—	

OEM Product

Quick Load Pump Head Series: HandyPump01, HandyPump02

OEM-HYB001(42-60 stepper motor)

Dimension Drawing(Unit: mm)



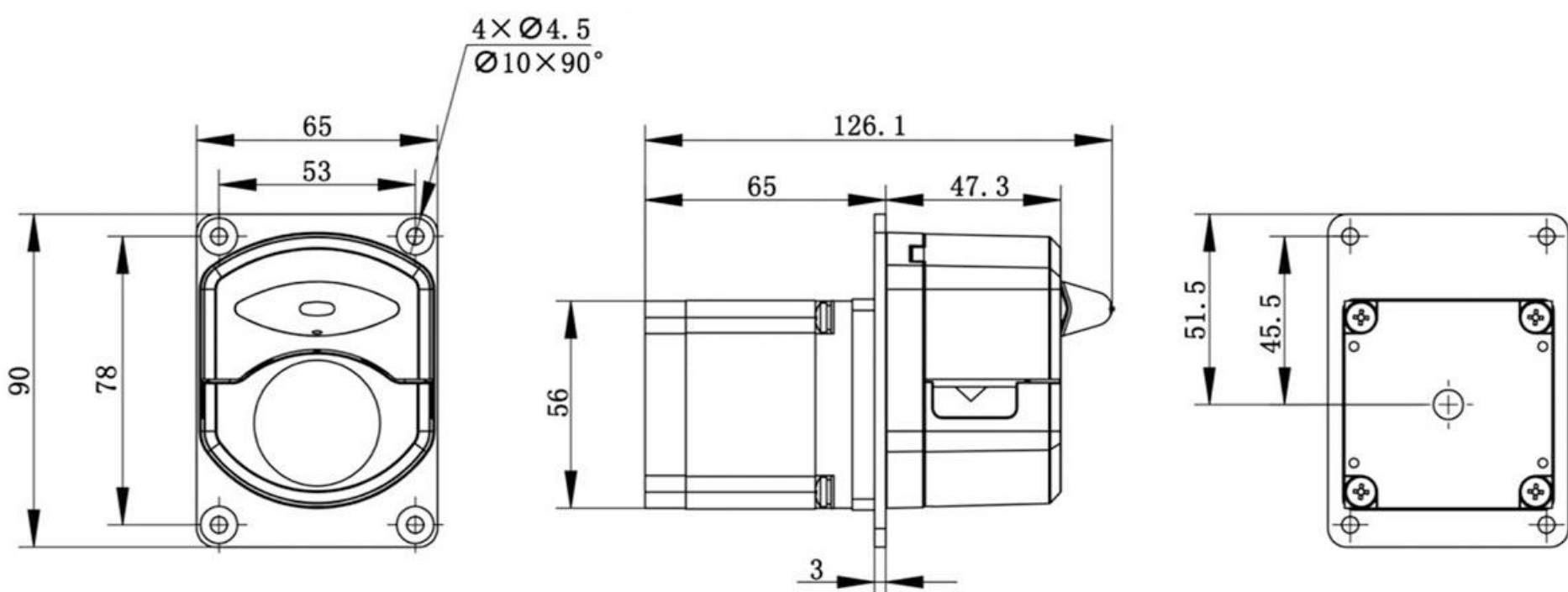
OEM-HYB001 Technical Specifications			
Speed range	0.1-300rpm	Motor step angle	1.8°
Flow rate range	0.0033-365.69mL/min	Motor phase current	1.7A
Motortype	57 stepper motor	Working environment	0-40°C, <80%RH no condensation
Motor phase number	2		

OEM Product

Quick Load Pump Head Series HandyPump01 HandyPump02

OEM-HYB101(57 stepper motor)

Dimension Drawing(Unit: mm)

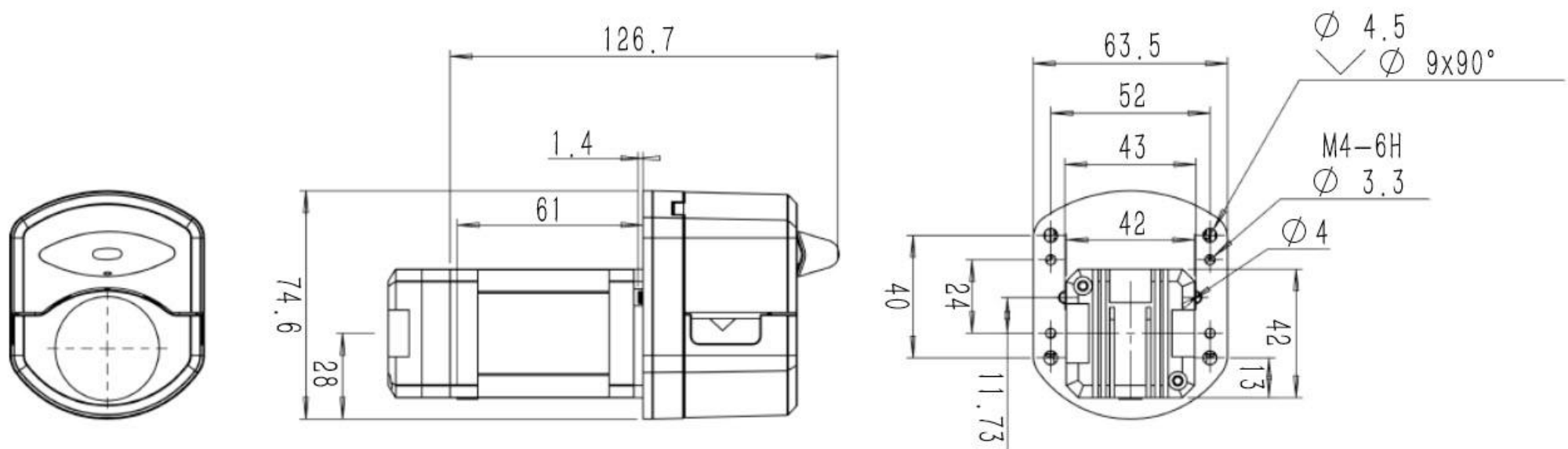


OEM-HYB101 Technical Specifications

Speed range	0.1-300rpm	Motor step angle	1.8°
Flow rate range	0.0033-365.69mL/min	Motor phase current	3.0A
Motortype	57 stepper motor	Working environment	0-40°C, <80%RH no condensation
Motor phase number	2		

OEM-HYB035/036/037

Dimension Drawing(Unit: mm)

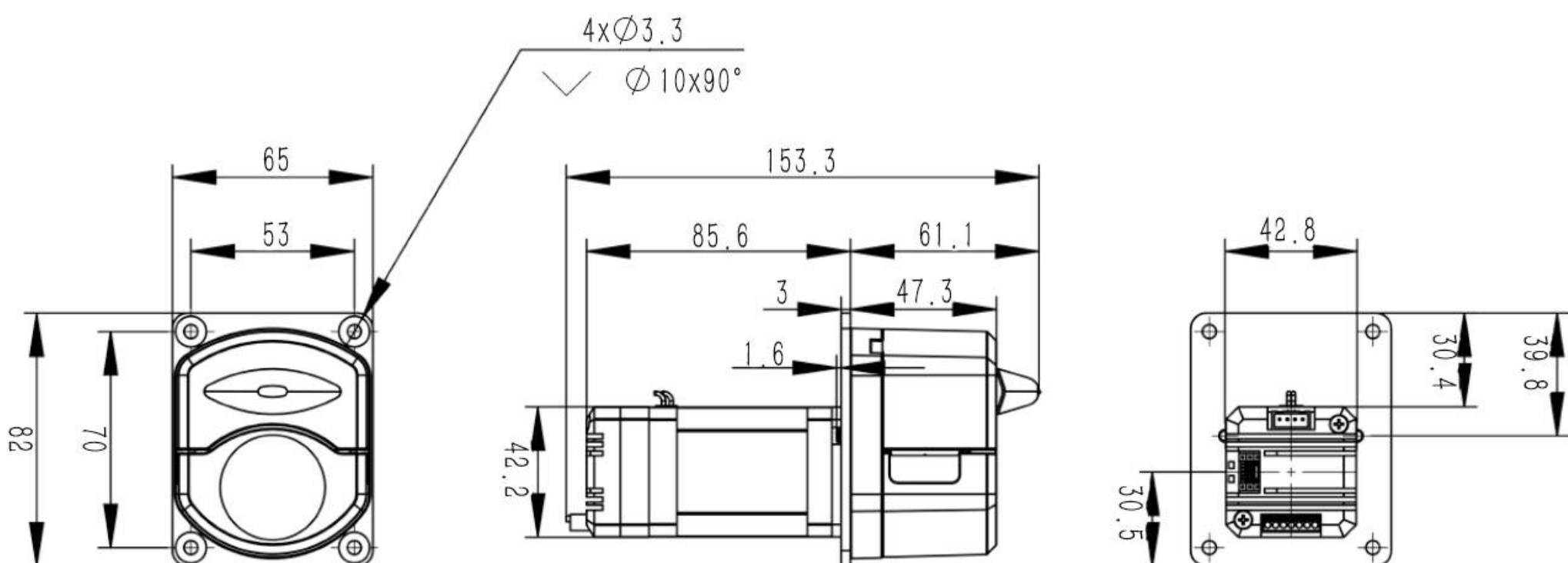


OEM-HYB035/036/037 Technical Specifications

Speed range	0.1-300rpm	Motor type	Closed-loop stepper integrated motor
Flow rate range	0.0033-365.69mL/min	Output signal	Open collector output
Control method	Active switch signal (3.3V-5V) for start/stop and direction change	Speed control method	OEM-HYB035: External analog speed control 4-20mA OEM-HYB036: External analog speed control 0-5V OEM-HYB037: External analog speed control 0-10V
Control signal logic	Optocoupler conduction for operation / cutoff for operation (modifiable via host software)	Working power supply	DC24V-DC36V, ≥50W
Operation mode	Fixed speed / External analog input mode (selectable via DIP switch)	Working environment	0-40°C, < 80%RH no condensation

OEM-HYB045

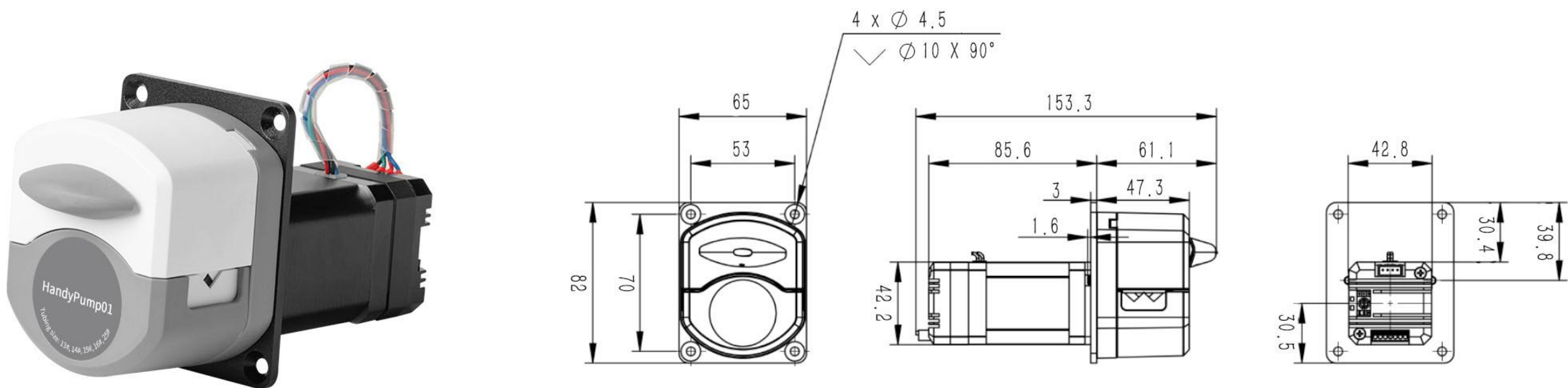
Dimension Drawing(Unit: mm)



OEM-HYB045 Technical Specifications			
Speed range	0.1-300rpm	Motor type	Integrated closed-loop stepper motor
Flow rate range	0.0033-365.69mL/min	Output signal	Open collector output
Control method	57 stepper motor	Power supply	DC24V-DC36V (Recommend DC24V), ≥50W
Communication address	1-255 (default is 1), configurable via DIP switches or communication interface	Working ambient	0-40°C, <80%RH no condensation

OEM-HYB038/039/040
(42 stepper motor)

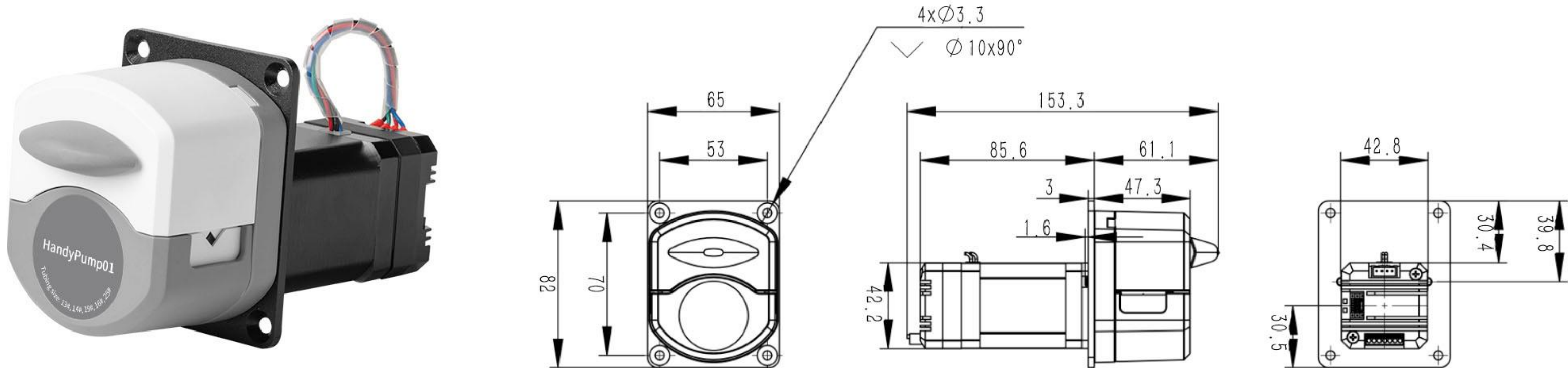
Dimension Drawing(Unit: mm)



OEM-HYB038/039/040 Technical Specifications			
Speed range	0.1-300rpm	Speed control	OEM-B038: 4-20mA analog signal
Flow rate	0.0033-365.69mL/min		OEM-B039: 0-5V analog signal
Motor type	42 stepper motor	Power supply	DC24-36V (DC24V recommended), ≥36W
		Working environment	0-40°C, < 80%RH no condensation

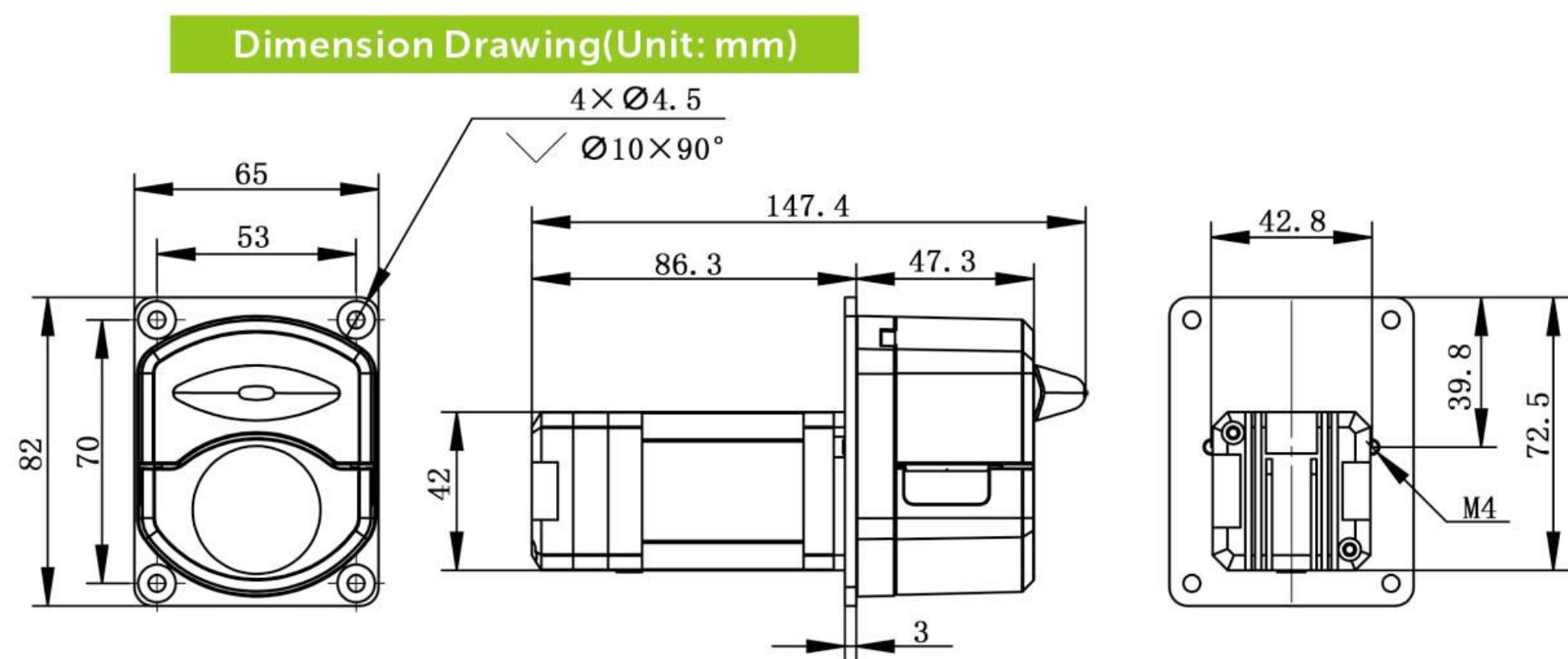
OEM-HYB047

Dimension Drawing(Unit: mm)

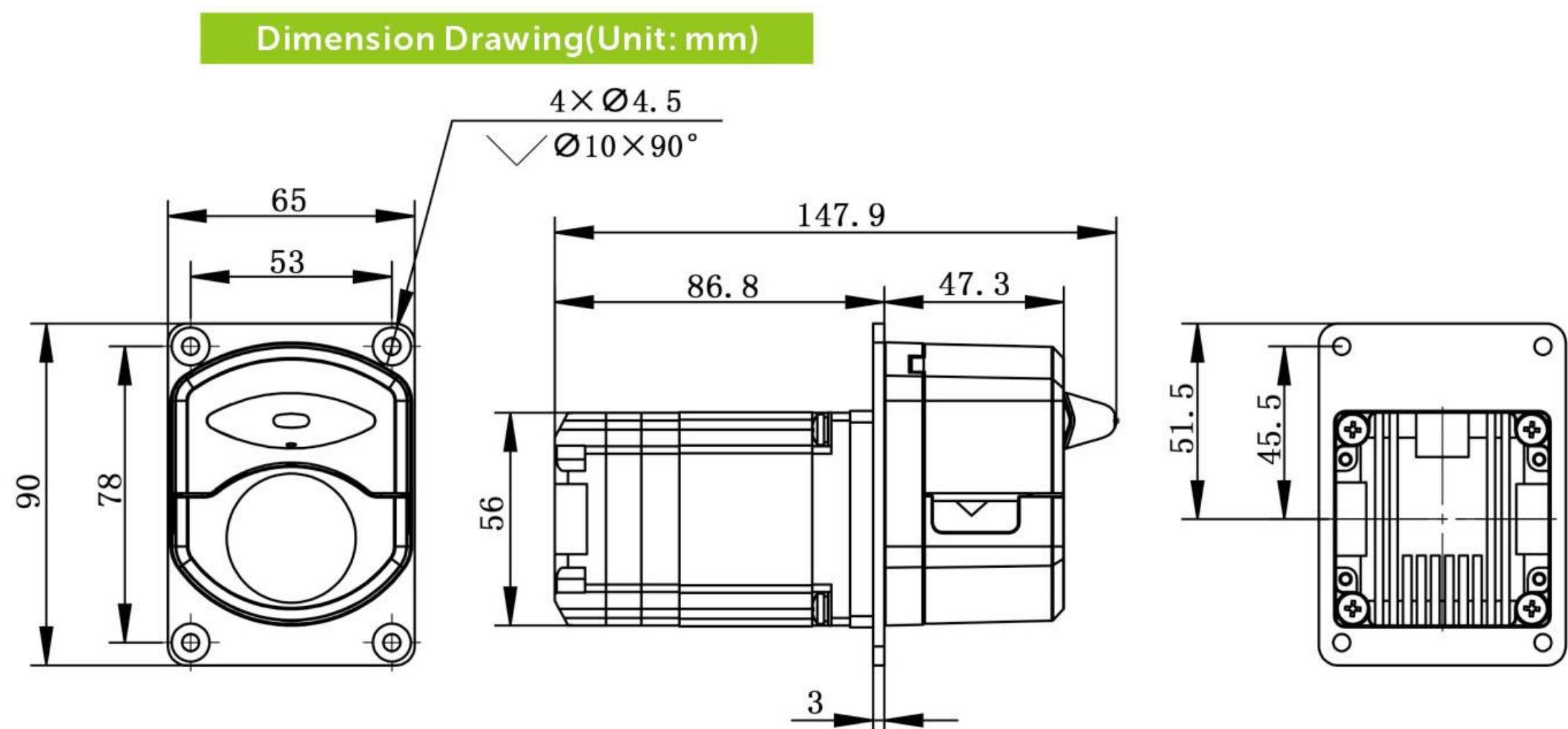


OEM-HYB047 Technical Specifications			
Speed range	0.1-300rpm	Motor type	42 stepper motor
Flow rate range	0.0033-365.69mL/min	Control method	RS485 communication or external control for start/stop and direction change
External control method	Passive switch signal (pulse mode or level mode, selectable via communication)		Working power supply
Communication address	1-32 (default is 1 at the factory), adjustable via DIP switch	Working environment	DC24V-DC36V, ≥36W
			0-40°C, < 80%RH no condensation

OEM-HYB019(42 stepper motor)



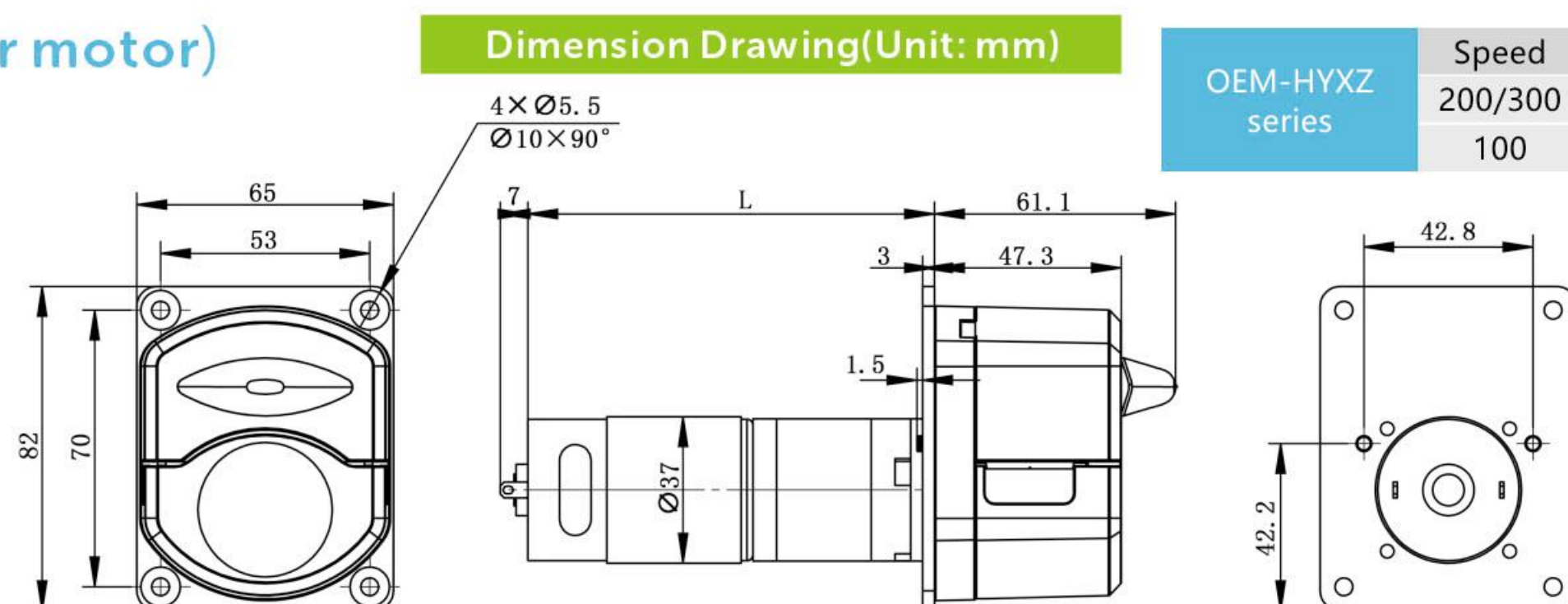
OEM-HYB109(57 stepper motor)



OEM-HYB019/HYB109 Technical Specifications

Speed range	0.1-300rpm	Power supply	OEM-HYB019: DC24V~DC36V(recommendDC24V), ≥36W; OEM-HYB109: DC24V~DC36V (recommendDC24V), ≥50W;
Flow rate range	0.0033-365.69mL/min		
Motor type	Integrated closed-loop stepper motor		
Speed control	External input pulse frequency signal	Logic input voltage	DC5V
Subdivisions	1/16 (Default) DIP switch can set a variety of subdivisions	Working environment	0-40°C, <80%RH no condensation

OEM-HYZ Series(DC planetary gear motor)



OEM-HYZ series	Speed	L
	200/300	103
	100	113

OEM-HYZ series Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-HYZ001	37 DC planetary gear motor	DC24V	300	≤±10%	0-40°C, <80%RH no condensation
OEM-HYZ002			200		
OEM-HYZ003			100		
OEM-HYZ101	37 DC planetary gear motor	DC12V	300		
OEM-HYZ102			200		
OEM-HYZ103			100		

Quick Load Pump Head

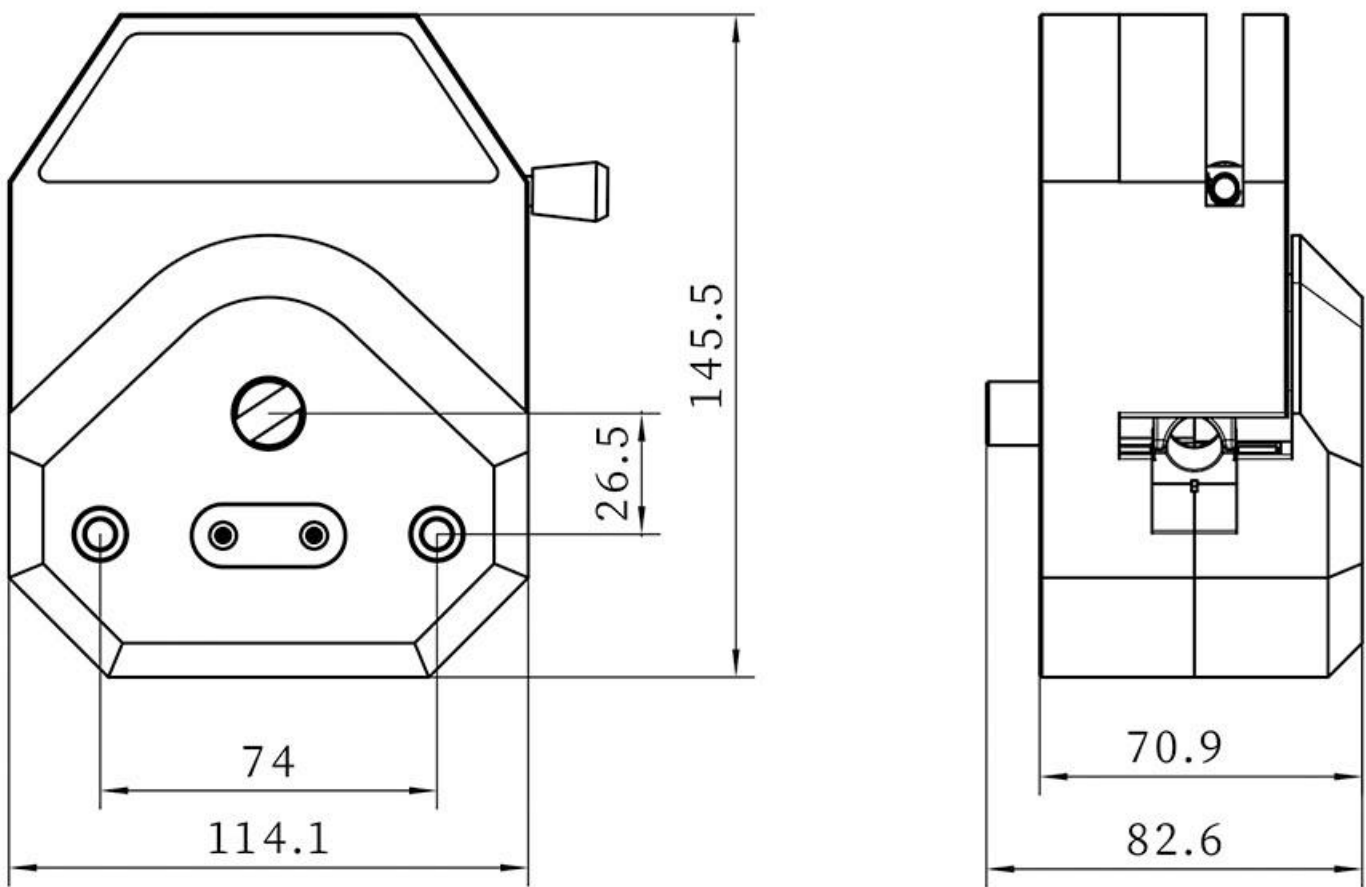
YZ25-6L

Product Introduction



- | The casing is machined from aluminum alloy.
- | The roller clamping gap supports concentric multi-level adjustment and has strong compatibility with multiple hose models.
- | Optional electromagnetic sensor: Enables automatic pump stop when the cover is opened.
- | Optimized tube-retention mechanism: It enables quick installation and removal of hoses.
- | A new lever limiter has been added to effectively prevent the lever from becoming loose due to vibration.
- | Magnetic protective cover, featuring a concealed strong magnetic adsorption design.
- | Supports the use of multiple pump heads in series to meet diverse application needs.

Dimension Drawing(Unit: mm)



Technical Specifications

Pump Head	Housing Material	Tube Clamp Material	Speed (rpm)	mL/r	Tubing		Flow Rate (mL/min)	Weight (kg)
					Sizes	IDxWall Thickness(mm)		
YZ25-6L	Aluminum alloy	POM	0.1-600	3	15#	4.8X2.4	0.3-1800	1.78
				5.5	24#	6.4X2.4	0.55-3300	
				8	35#	7.9X2.4	0.8-4800	
				10	36#	9.6X2.4	1-6000	

Filling Volume Reference Parameter

Pump Head	Tubing	Filling Volume (mL)	Filling Time (s)	Accuracy (±%)	Output (pcs/min)	Motor Speed (rpm)
YZ25-6L	15#	30	1.2	0.5	27	500.0
	24#	50	1.2	0.5	27	454.6
	35#	70	1.2	0.5	27	437.5
	36#	100	1.5	0.5	24	400.0

Quick Load Pump Head

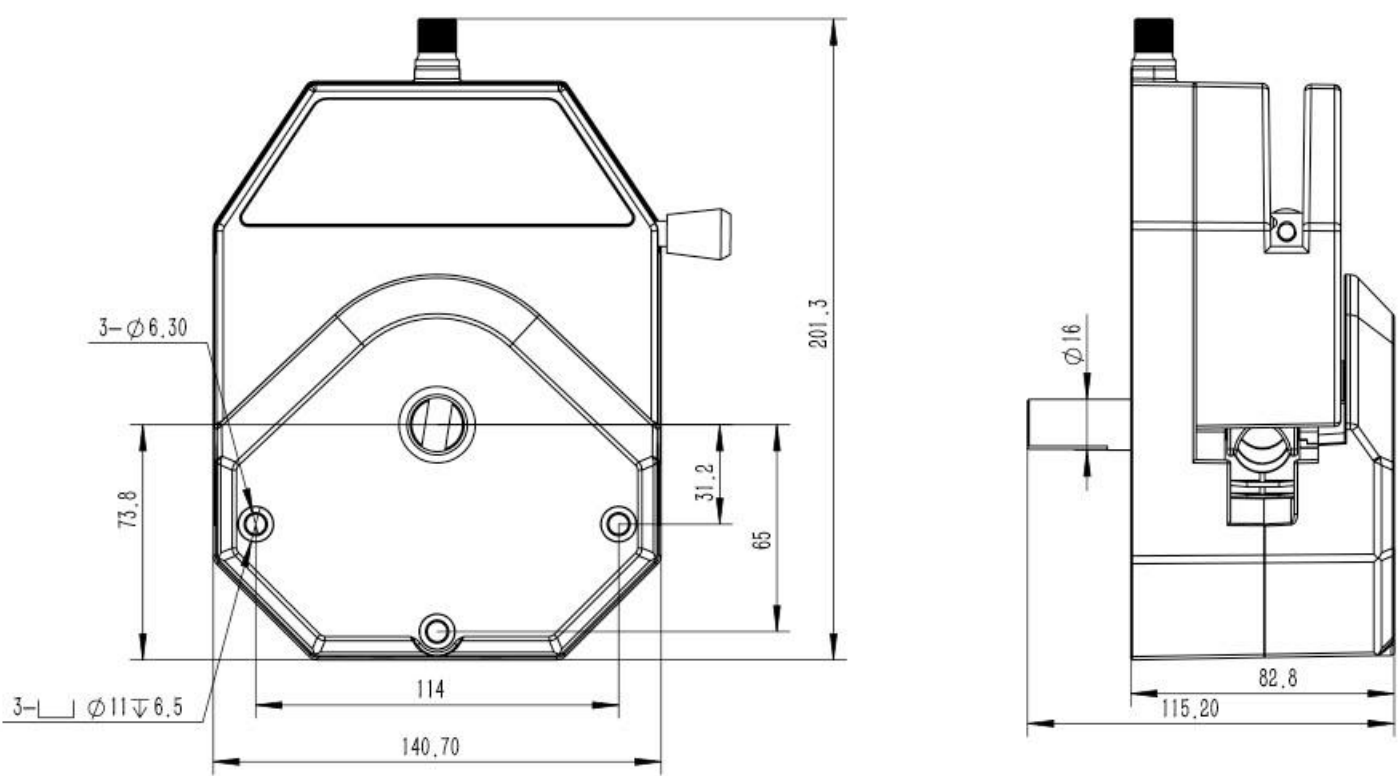
YZ35-II



Product Introduction

- 1.The pump head housing is produced with high-pressure die-casting aluminum, ensuring high strength and good consistency.
- 2.Equipped with a standard electromagnetic sensor that outputs a cover-open to stop signal to enable the cover-open to stop function.
- 3.The optimized tubing clamp structure allows for easy installation and removal of the tubing, preventing abnormal damage to the tubing.
- 4.Added a lever limiter to securely fix the lever, preventing loosening due to vibrations.
- 5.304 stainless steel roller assembly, resistant to liquid leakage and corrosion.

Dimension Drawing(Unit: mm)



Technical Specifications								
Pump Head	Tubing	ID×Wall thickness(mm)	mL/r	(speed0.1-600rpm) Flow Rate(mL/min)	Tubing pressure resistance(Mpa)		Material	Weight (kg)
					Continuous	Intermittent		
YZ35-II	26#	6.4×3.3	6.9	0.69-4200	0.27	0.2	Cast aluminum alloy	2.8
	73#	9.6x3.3	12.3	1.23~7400	0.27	0.2		
	82#	12.7x3.3	20	2~12000	0.14	0.1		

Experimental conditions:standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

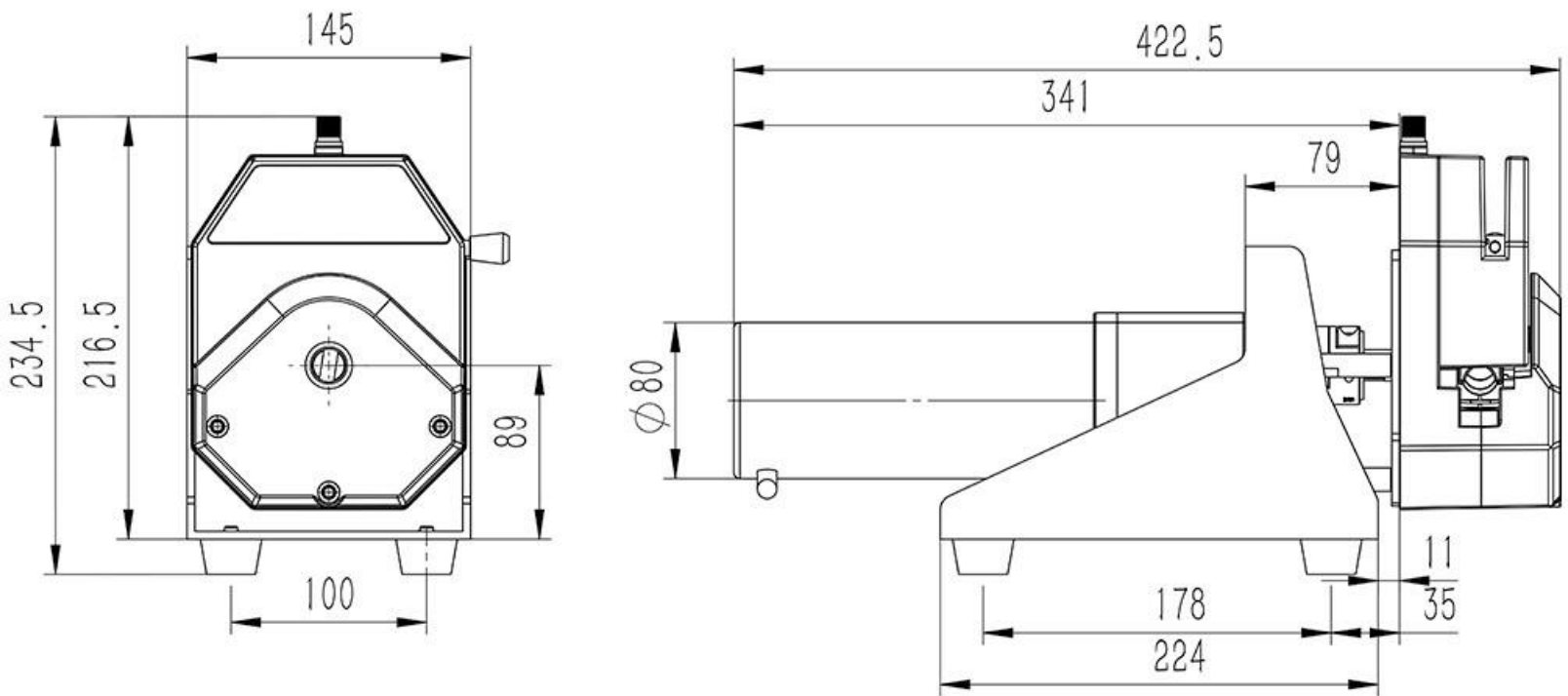
OEM Product

Quick Load Pump Head YZ35-II

OEM-Z501/YZ35-II



Dimension Drawing(Unit: mm)

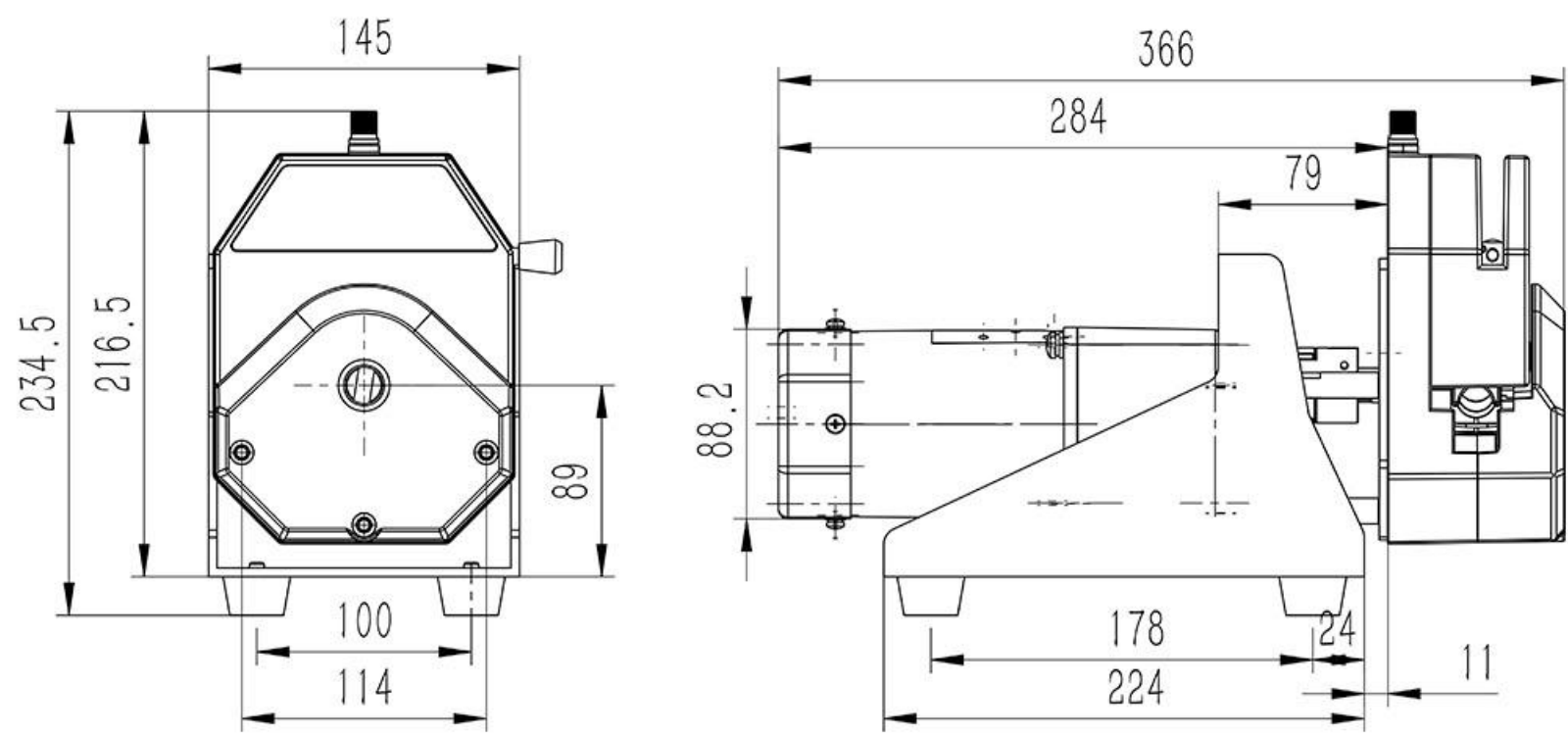


OEM-Z501 Technical Specifications					
Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-Z501	DC geared motor	DC24V	600	≤±10%	0-40°C, <80%RH no condensation

OEM-J401/YZ35-II



Dimension Drawing(Unit: mm)



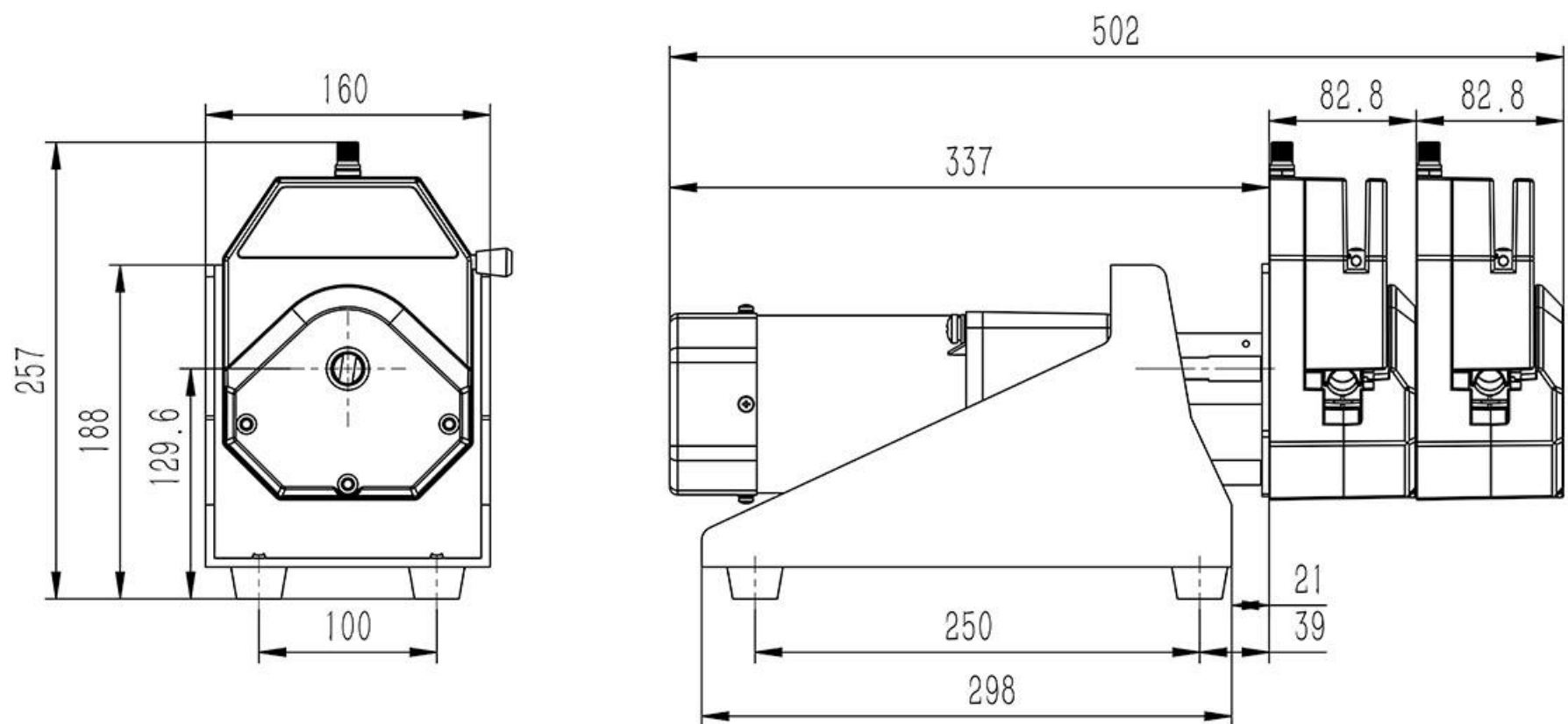
OEM-J401 Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-J401	AC geared motor	AC220V(standard), AC110V(optional)	450	≤±10%	0-40°C, <80%RH no condensation

OEM-JT501/YZ35-II



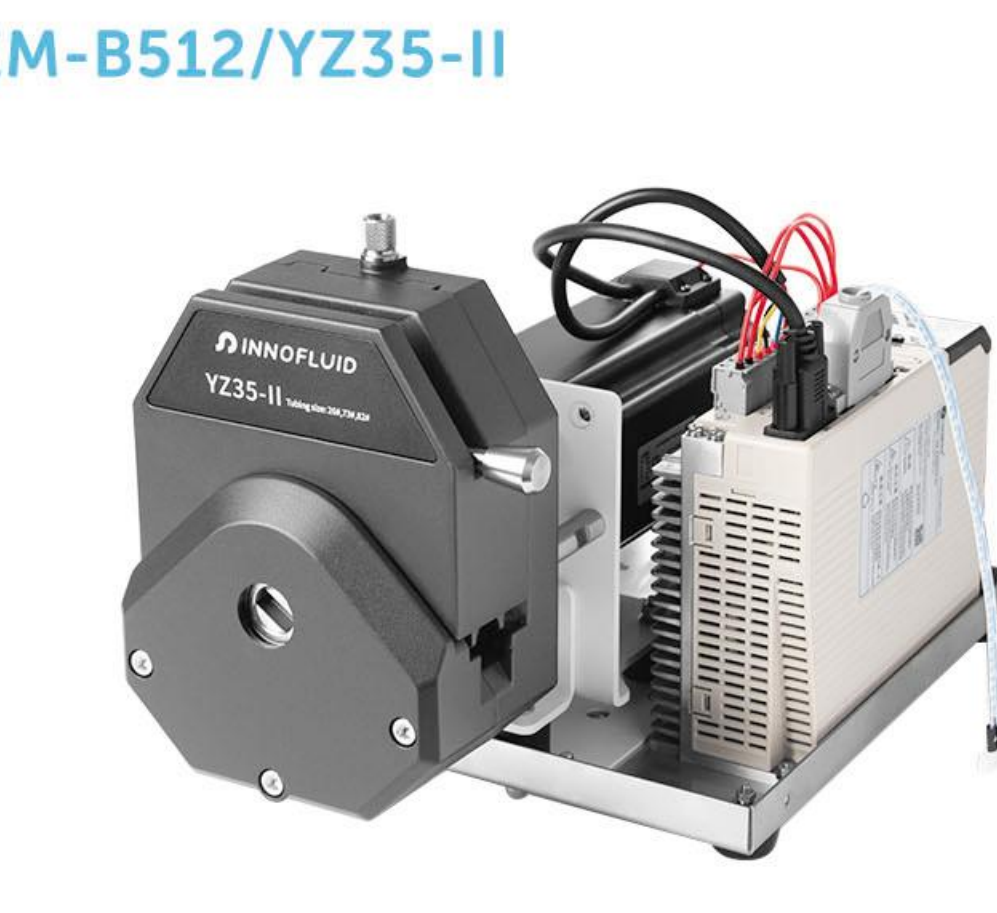
Dimension Drawing(Unit: mm)



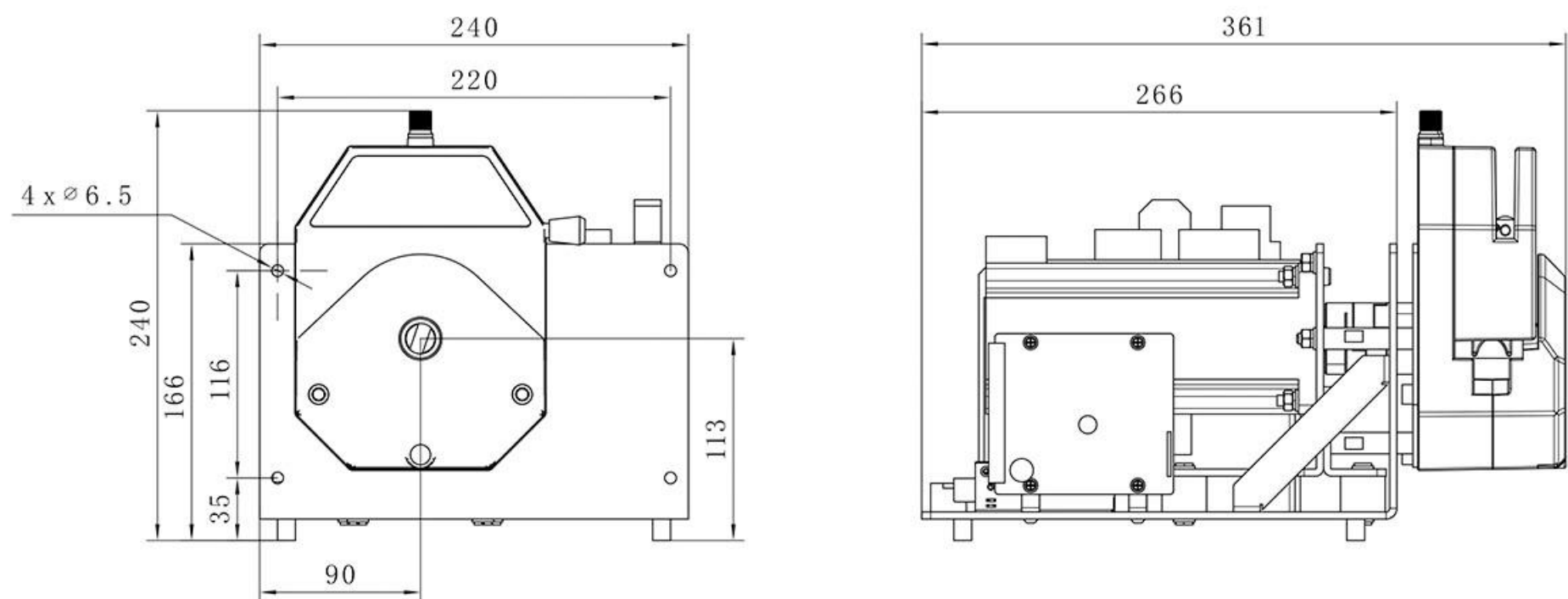
OEM-JT501 Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-JT501	AC speed motor	AC220V(standard), AC110V(optional)	45-450	≤±10%	0-40°C, <80%RH no condensation

OEM-B512/YZ35-II



Dimension Drawing(Unit: mm)

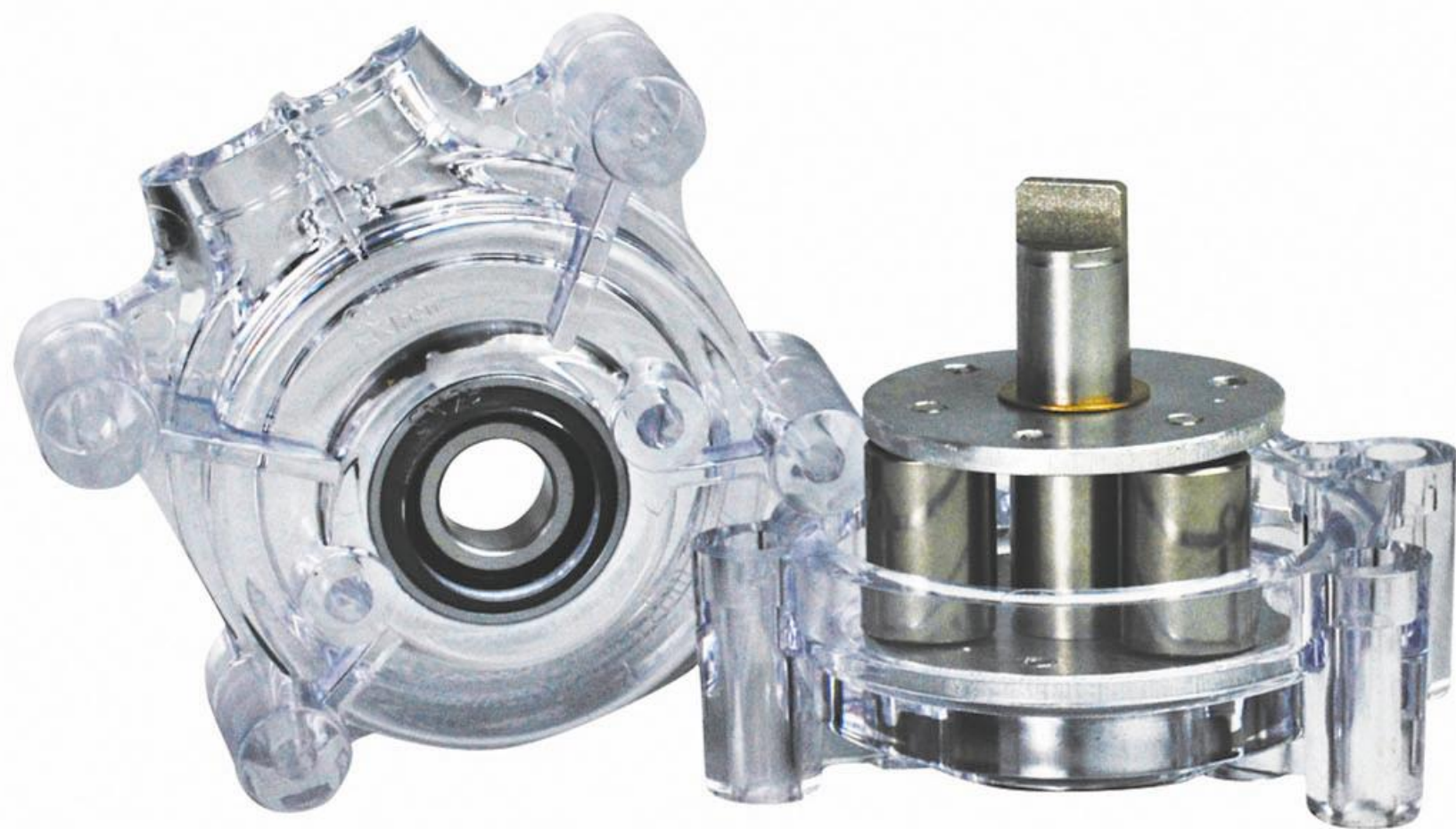


OEM-B512 Technical Specifications

Speed range	0.1-600rpm	Logic input voltage	5V
Speed control	External input pulse frequency speed regulation	Ambient temperature	0-40°C
Subdivision settings	200~51200 (factory default 3200)	Ambient humidity	≤80%RH, no condensation
Power supply	AC220V(±10%) (≥300W)	Working environment	Keep away from heating equipment, avoid dust, oil mist, corrosive gases and strong vibration sites.

Standard Pump Head

SN25,SN15-14,SN15-16



Product Introduction

Standard pump head with compact structure, exquisite appearance, fixed occlusion and stable running. Can stack several pump heads, and support various equipment.

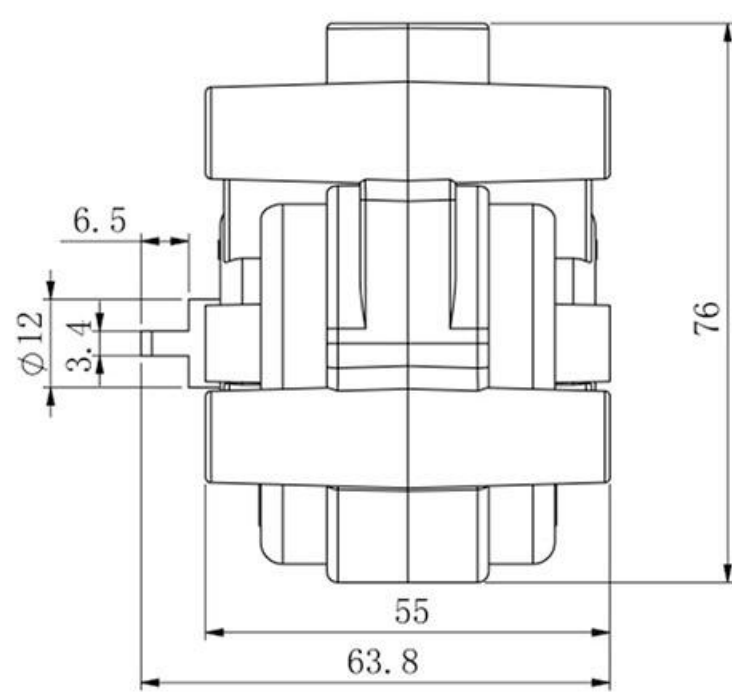
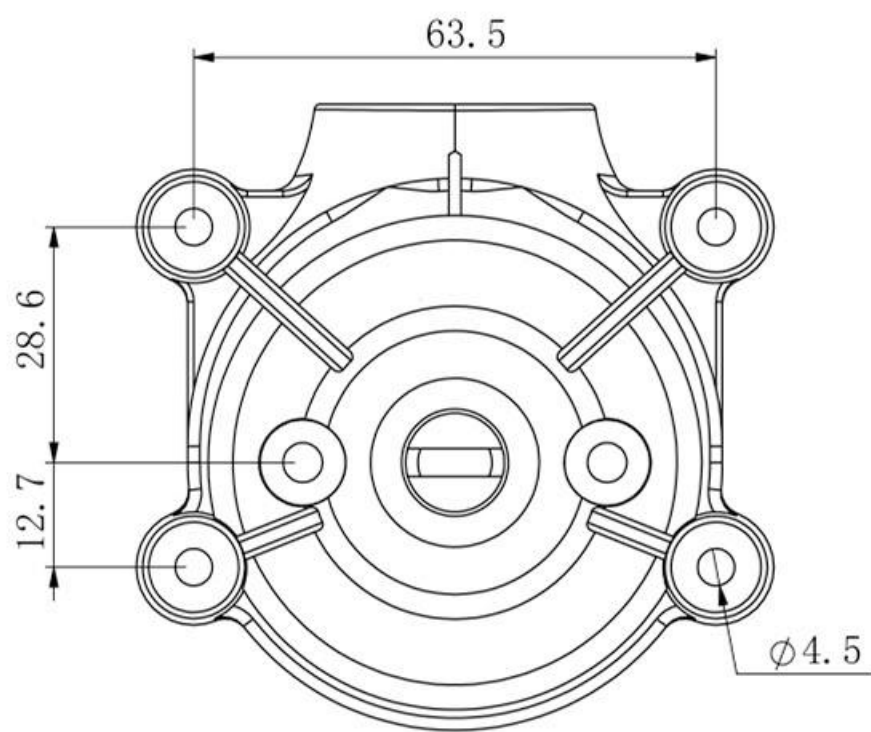
Model Number

| SN25, SN15-14, SN15-16

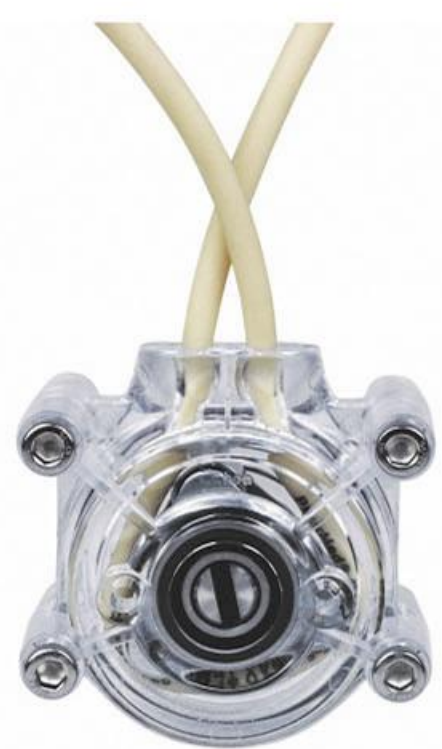
Typical Application

- | Use in the ice cream machine and coffee making machine
- | Support COD on-line monitor

Dimension Drawing(Unit: mm)



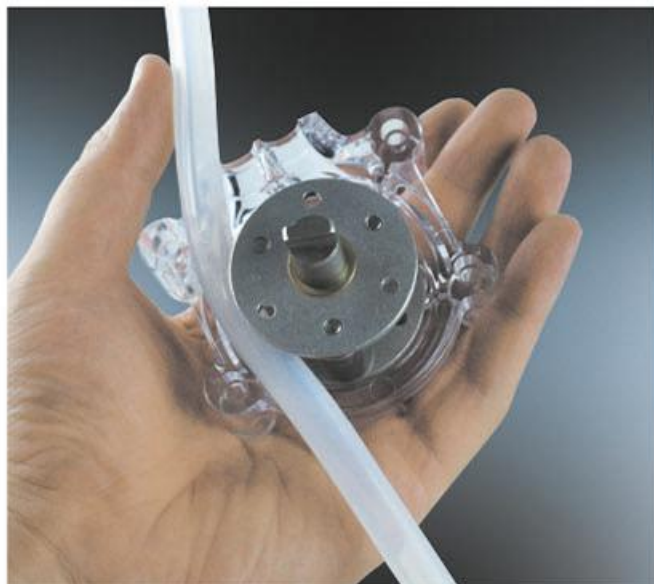
SN15-14



SN15-16

Tubing Installation Procedure

A. Disassemble the pump head, and press the tubing on the rollers.



B. Make the tubing go around the rollers one cycle, and merge it on the exit.



C. Tighten the tubing aptly, and load the other half pump head body.



Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

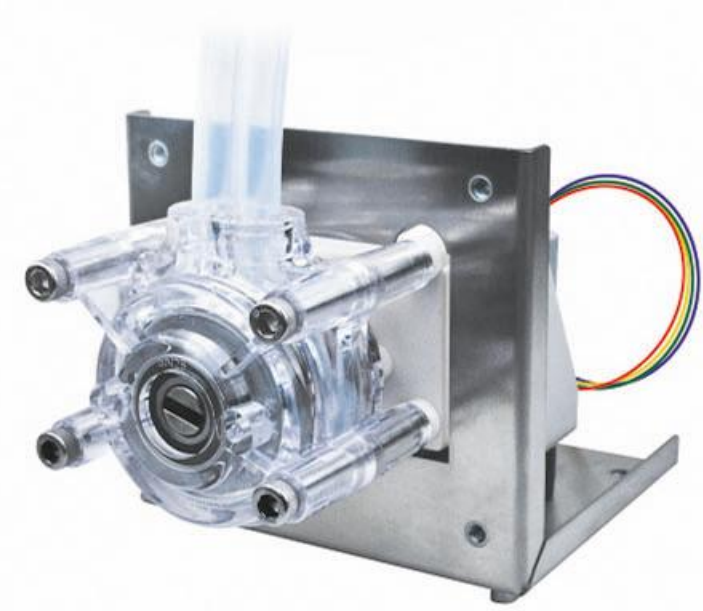
Technical Specifications

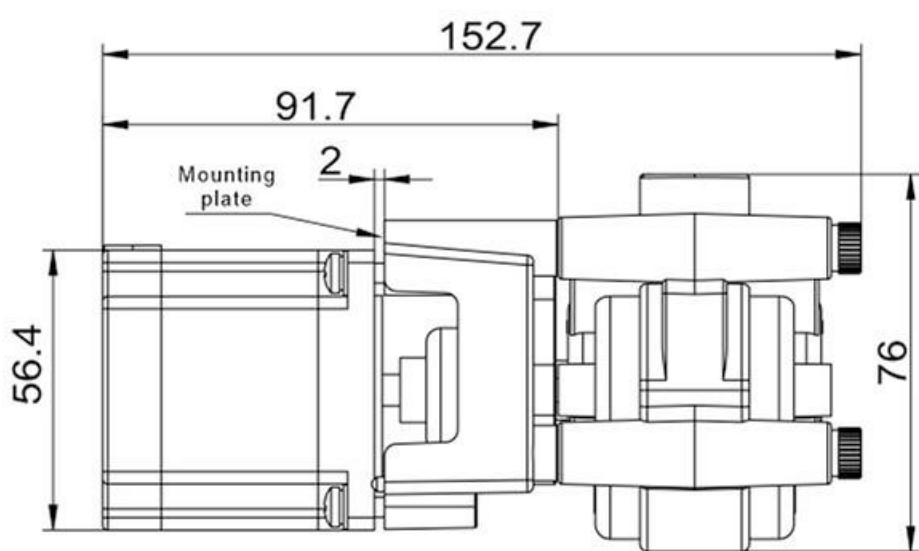
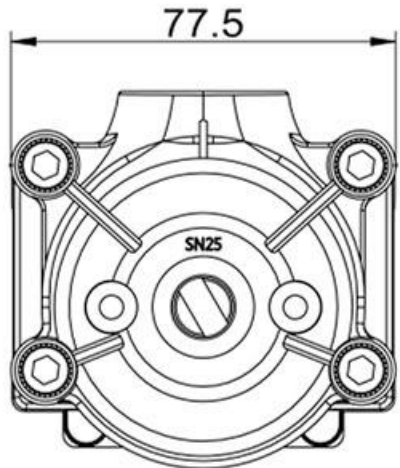
Model No.	Housing Material	Rollers Material	Tubing		Flow Rate (mL/min) (0.1–600rpm)	Weight (kg)
			Tubing sizes	ID x Wall thickness		
SN15–14	PC	304 stainless steel	14 [#]	1.6 × 1.6(mm)	0.024~144	0.20
SN15–16			16 [#]	3.2 × 1.6(mm)	0.088~528	
SN25			24 [#]	6.4 × 2.4(mm)	0.25~1500	

OEM Product

Standard Pump Head Series

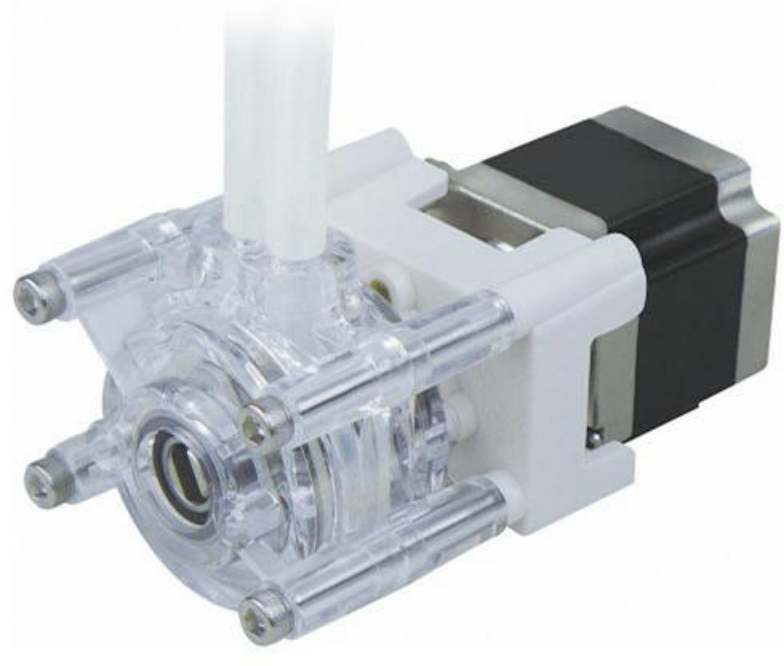
OEM-B19/SN Series

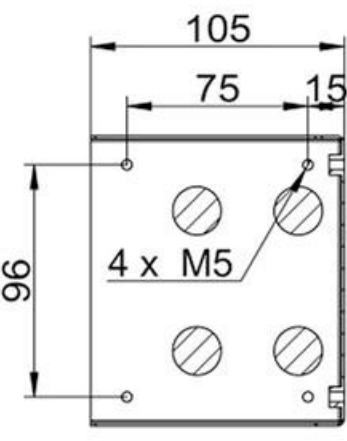
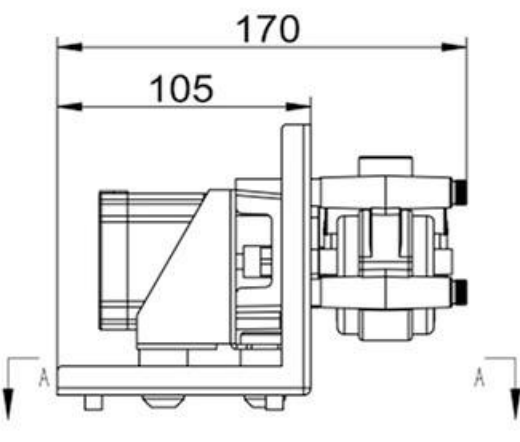
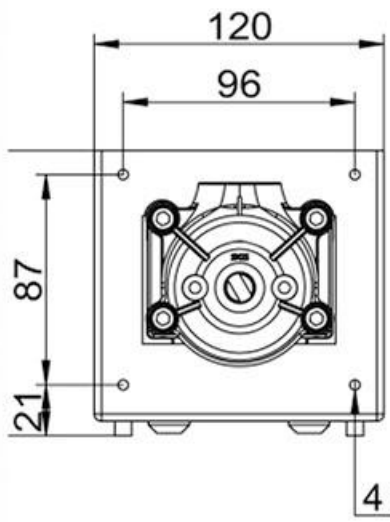




Model No.	OEM-B19
Speed range	0.1-350 rpm
Flow rate range	0.024-875mL/min
Motor type	57 stepper motor
Motor phase number	2
Motor step angle	1.8°
Motor phase voltage	3.3V
Motor phase current	3.0A
Working environment	0-40°C, <80%RH no condensation

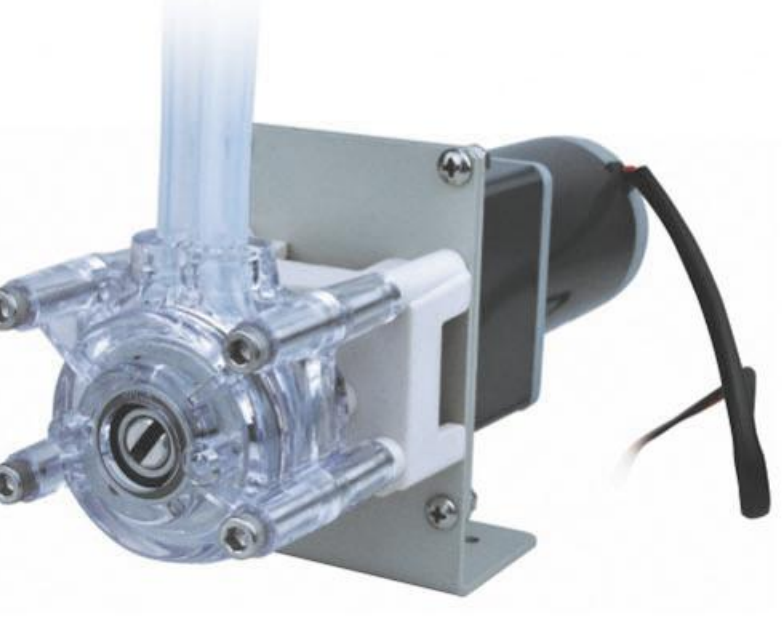
OEM-B11/SN Series

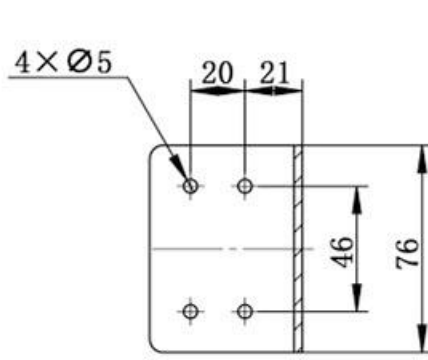
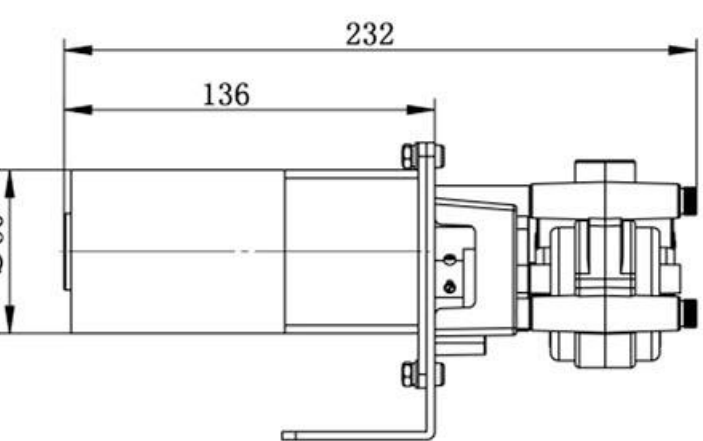
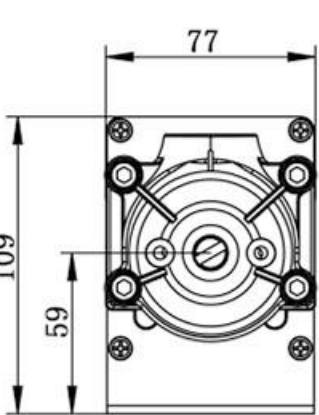




Model No.	OEM-B11
Speed range	0.1-350 rpm
Flow rate range	0.024-875mL/min
Motor type	57 stepper motor
Motor phase number	2
Motor step angle	1.8°
Motor phase voltage	3.3V
Motor phase current	3.0A
Working environment	0-40°C, <80%RH no condensation

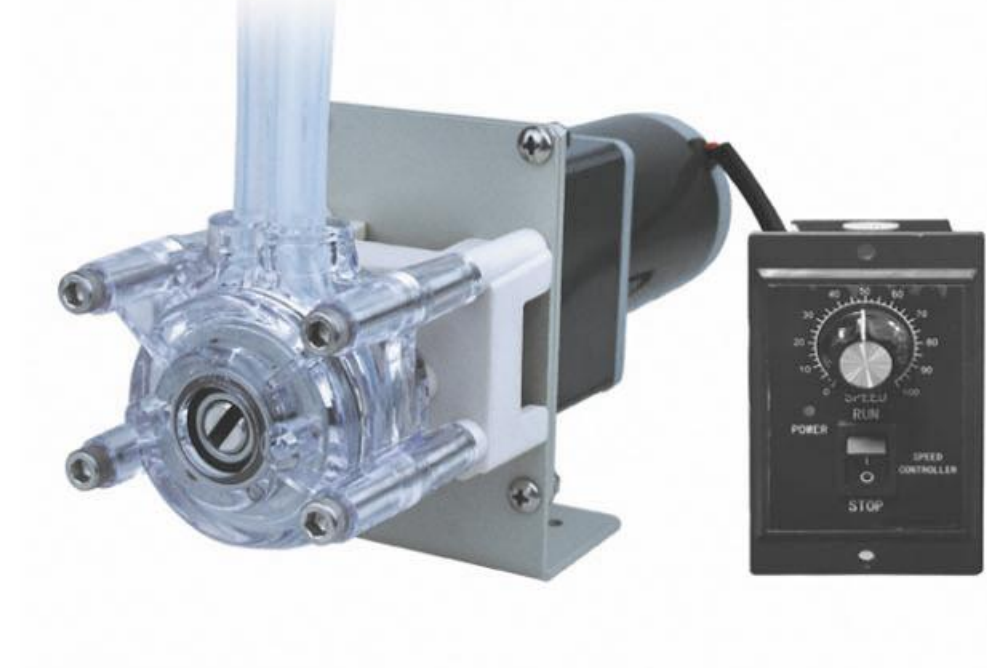
OEM-Z109 (DC motor) /SN Series

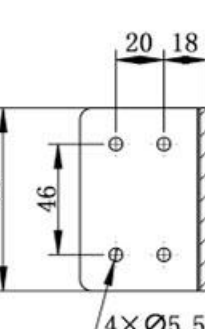
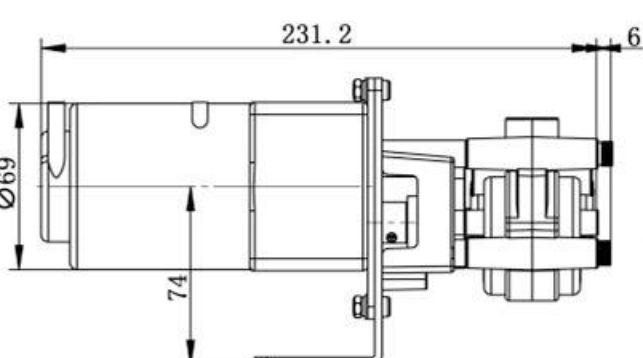
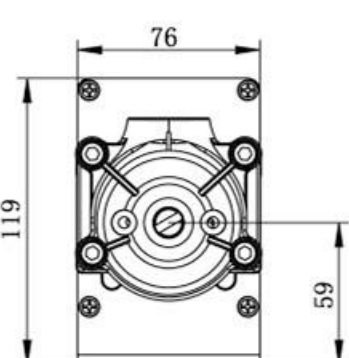




Model No.	OEM-Z109
Mix.flow rate	1500mL/min
Motor type	DC geared motor
Voltage	DC12V
Speed	600rpm
Speed error	≤±10%
Working environment	0-40°C, <80%RH no condensation

OEM-JT03 (AC motor) /SN Series





Model No.	OEM-JT03
Flow rate	7.2-750mL/min
Motor type	AC speed adjustable motor
Voltage	AC220V(standard) AC110V(optional)
Speed	30-300rpm
Speed error	≤±10%
Working environment	0-40°C, <80%RH no condensation

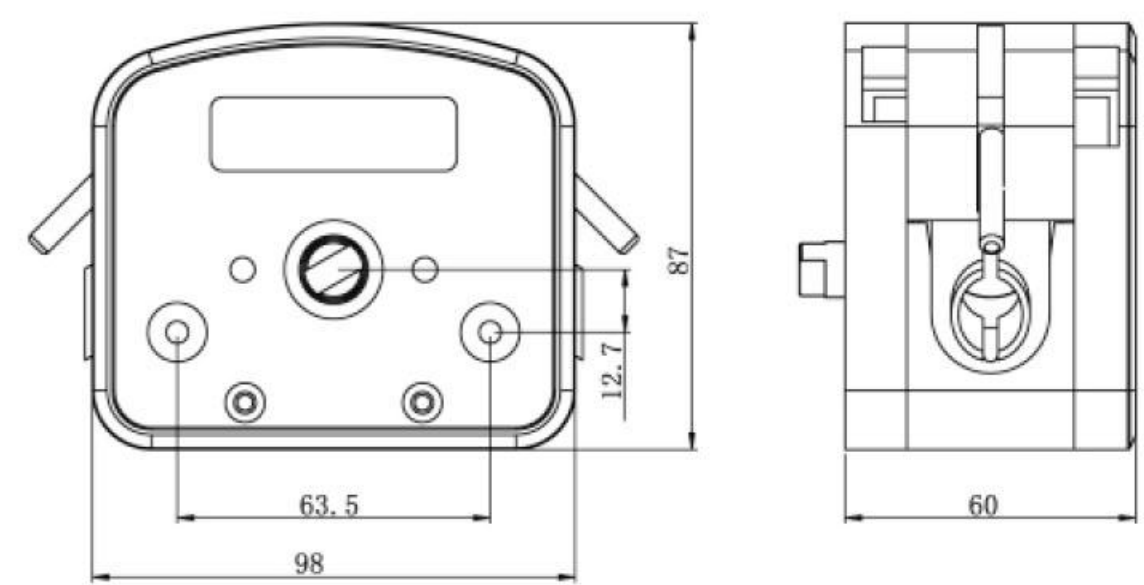
Fast Load Pump Head

DZ25-3L,DZ25-6L

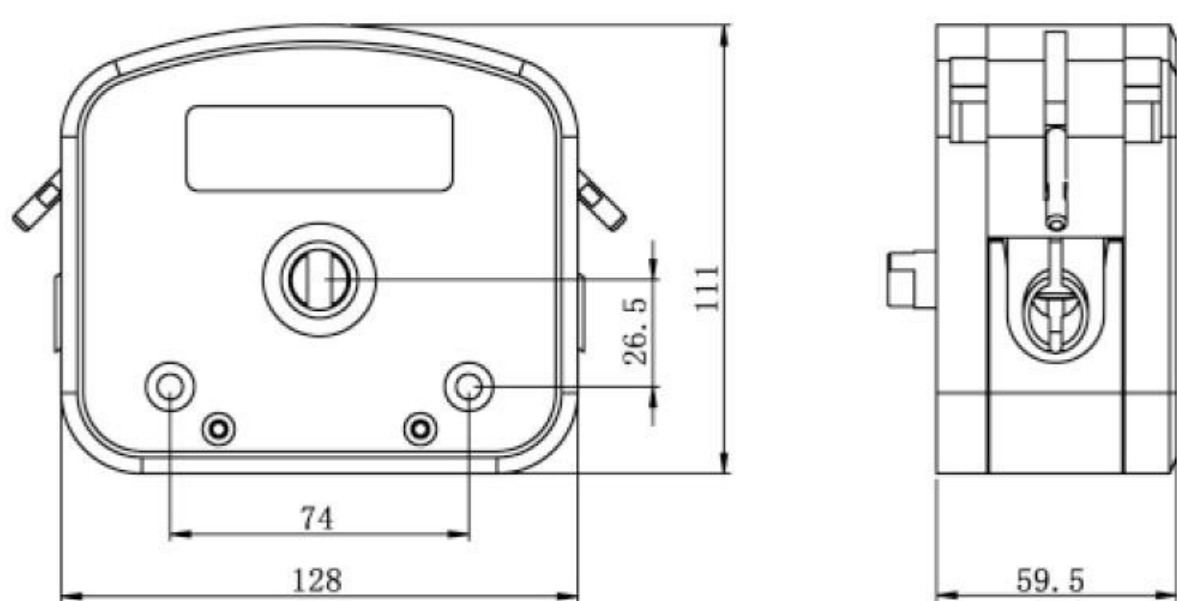


(3 rollers)

Dimension Drawing(Unit: mm)



DZ25-3L Dimension



DZ25-6L Dimension

Product Introduction

Easy operation, change tube rapidly. Pump head material: Aluminum Alloy or PPS . 304 stainless steel rollers. DZ25 pump head use 2.4mm wall thickness tube, the flow rate range is 0.211-6000mL/min. This pump head is suitable for high viscous liquid which include granule and floc. It also suitable for high pressure request. New cartridge structure design, can use the special connector, connect low cost tubing outside the pump head to save cost; also can use flexible tube clamp, meet hygiene requirement.

Model Number

DZ25-3L, DZ25-6L

Tubing Installation Procedure

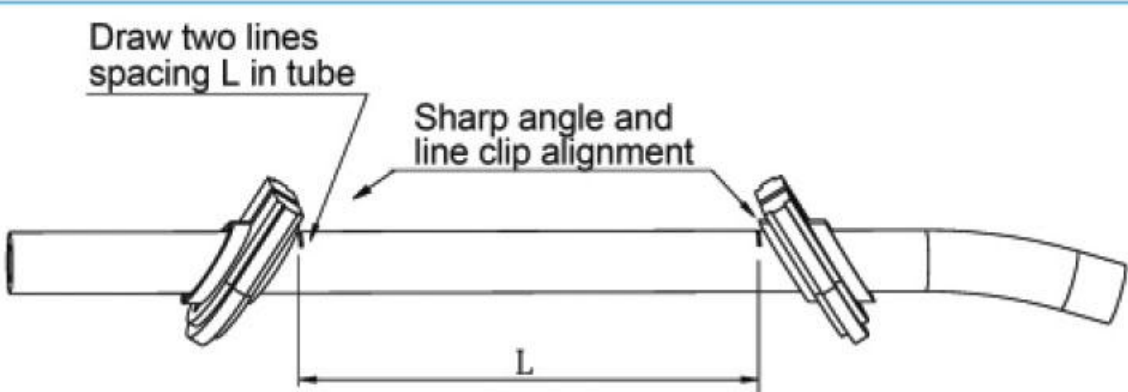
1.Lift both side levers, take off the upper block.



2.Put the tubing with cartridge or connector into pump housing.



3.Install the upper block, put down the levers to lock the block.



Tubing Clamp

DZ25-6L: the tubing length is 125mm between both tubing clamps.
DZ25-3L: the tubing length is 90mm between both tubing clamps.

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Technical Specifications

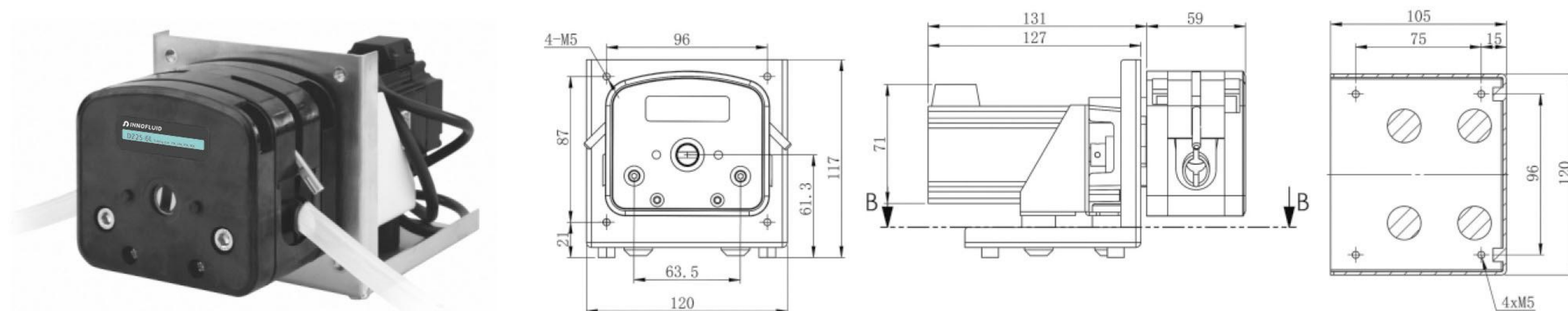
Model No.	Housing Material	Tubing Clamp Material	Tubing		Flow Rate (mL/min) (0.1–600rpm)	Weight (kg)
			Tubing Sizes	ID × Wall Thickness		
DZ25–6L	Aluminum alloy/PPS	PA	15 [#]	4.8x2.4(mm)	0.3~1800	1.86/0.86
			24 [#]	6.4x2.4(mm)	0.55~3300	
			35 [#]	7.9x2.4(mm)	0.8~4800	
			36 [#]	9.6x2.4(mm)	1~6000	
DZ25–3L	PPS		15 [#]	4.8x2.4(mm)	0.211~1264	0.5
			24 [#]	6.4x2.4(mm)	0.385~2310	
			35 [#]	7.9x2.4(mm)	0.508~3050	
			36 [#]	9.6x2.4(mm)	0.6~3600	

OEM Product

Fast Load Pump Head DZ25-3L(PPS)

OEM-B501/DZ25-3L

Dimension Drawing(Unit: mm)

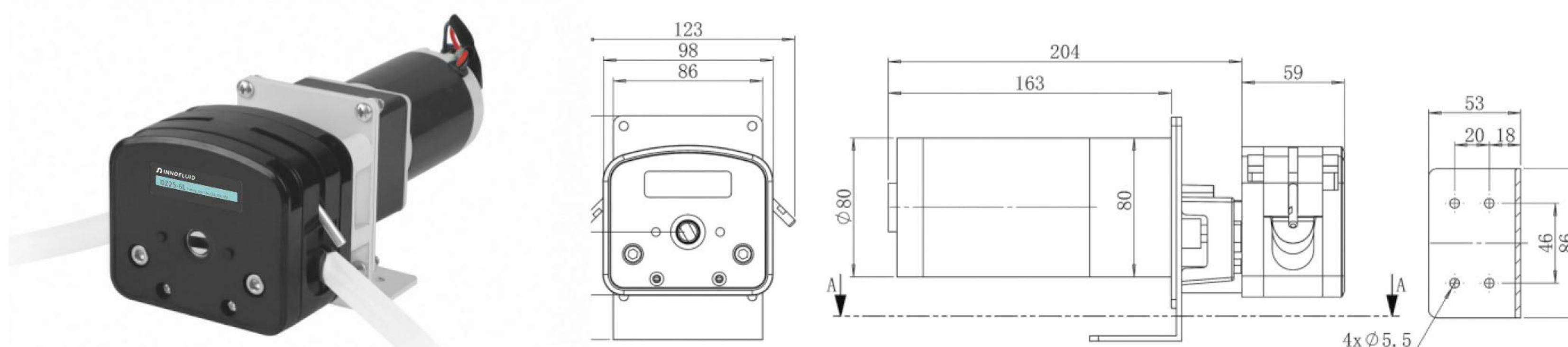


OEM-B501 Technical Specifications

Speed range	0.1-600 rpm	External control start and stop	Switch signal (default 5V)
Speed control	Digital knob(Optional)	External control speed	0-5V, 4-20mA(standard), 0-10V(optional)
Display	OLED(Optional)	Communication interface	RS485(Modbus protocol, RTU mode)
Control method	Toggle switch control start and stop, direction (optional)	Motor type	57 Closed-loop stepper motor
		Voltage	DC24V/1A(mainboard) DC36V/3A(driver)

OEM-Z402/DZ25-3L(DC motor)

Dimension Drawing(Unit: mm)

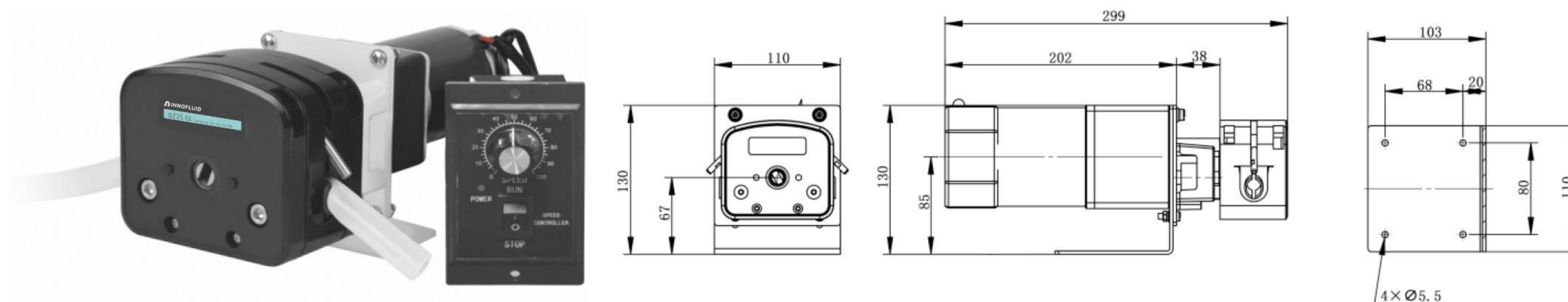


OEM-Z402 Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-Z402	DC geared motor	DC24V	600	≤±10%	0-40°C, <80%RH no condensation

OEM-JT12/DZ25-3L(AC speed motor)

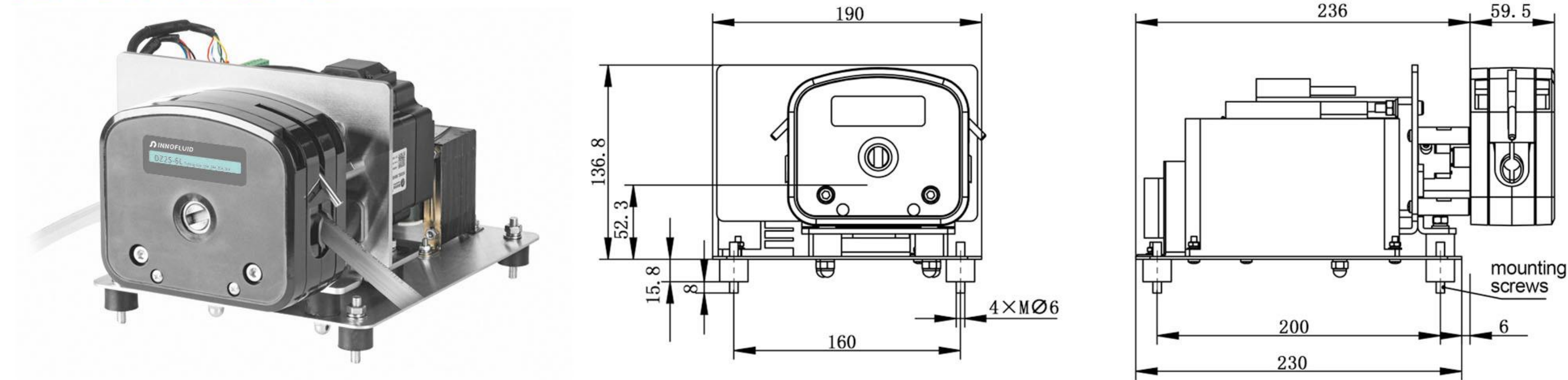
Dimension Drawing(Unit: mm)



OEM-JT12 Technical Specifications

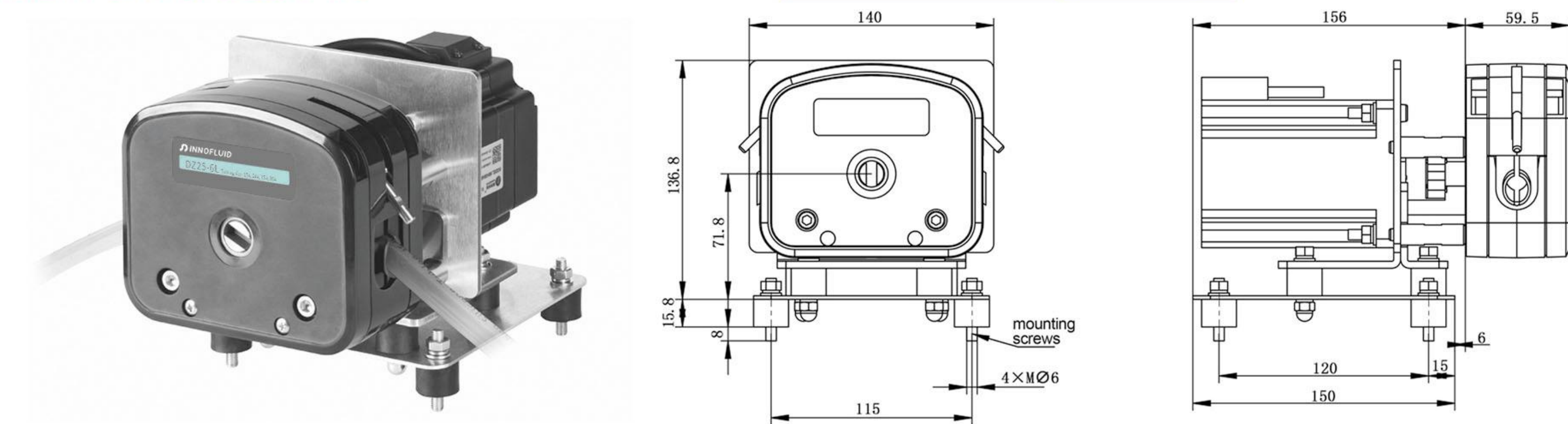
Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-JT12	AC speed motor	AC220V(standard), AC110V(optional)	43-430	≤±10%	0-40°C, <80%RH no condensation

OEM-B504/DZ25-6L



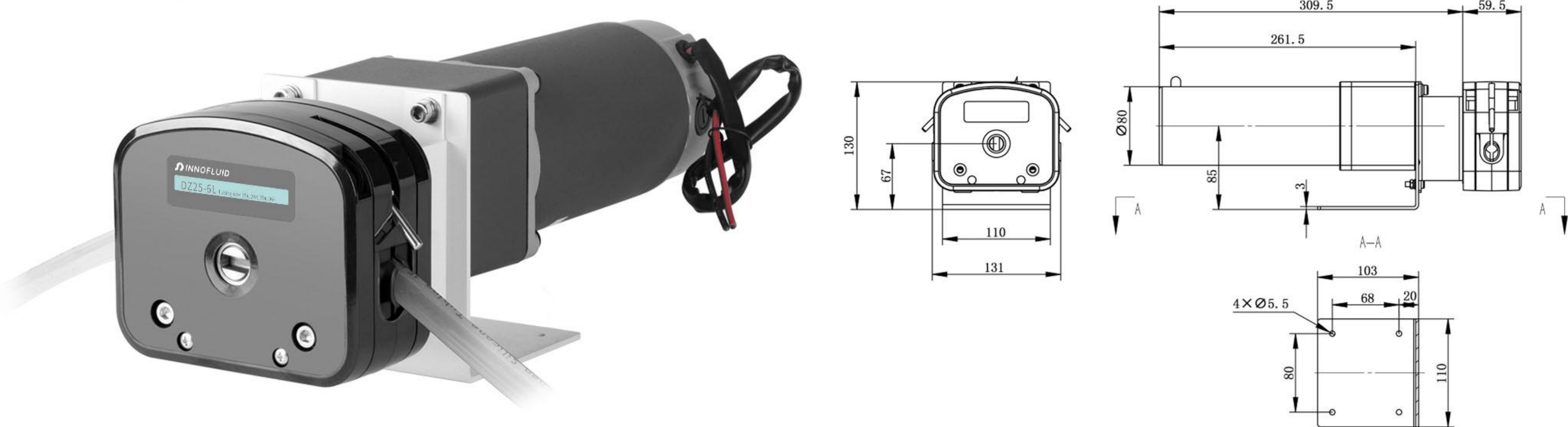
OEM-B504 Technical Specifications			
Speed range	0.1-600 rpm	Logic input voltage	5V
Flow rate range	0.3-6000mL/min	Motor type	Closed-loop stepper motor
Speed control	External input pulse frequency speed control	Power supply	AC220V(standard), AC110V(optional)
Subdivision settings	200-51200(Pulse response frequency maximum 200KHZ)	Working environment	0-40℃, <80%RH no condensation

OEM-B508/DZ25-6L



OEM-B508 Technical Specifications			
Speed range	0.1-600 rpm	Motor phase voltage	2V
Flow rate range	0.3-6000mL/min	Motor phase current	4.0A
Motor type	Closed-loop stepper motor	Encoder power	5V
Motor phase number	2	Working environment	0-40℃, <80%RH no condensation
Motor step angle	1.8°		

OEM-Z506/DZ25-6L



OEM-Z506 Technical Specifications					
Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-Z506	DC geared motor	DC24V	350	≤±10%	0-40℃, <80%RH no condensation

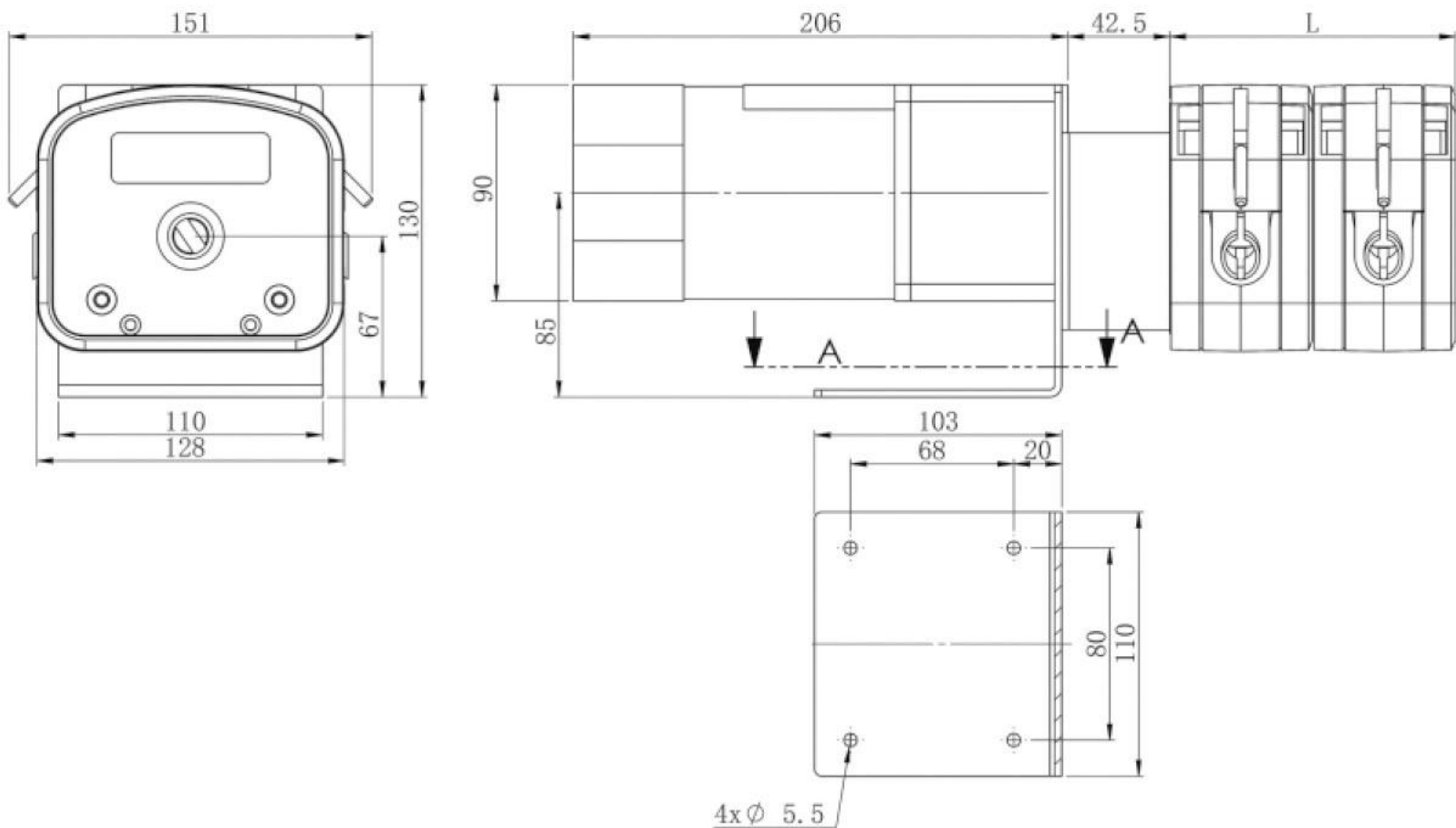
OEM Product

Fast Load Pump Head DZ25-6L(PPS)

OEM-J402/DZ25-6L(AC motor)

Dimension Drawing(Unit: mm)

Number of pump heads	L/mm
1	59.5
2	119

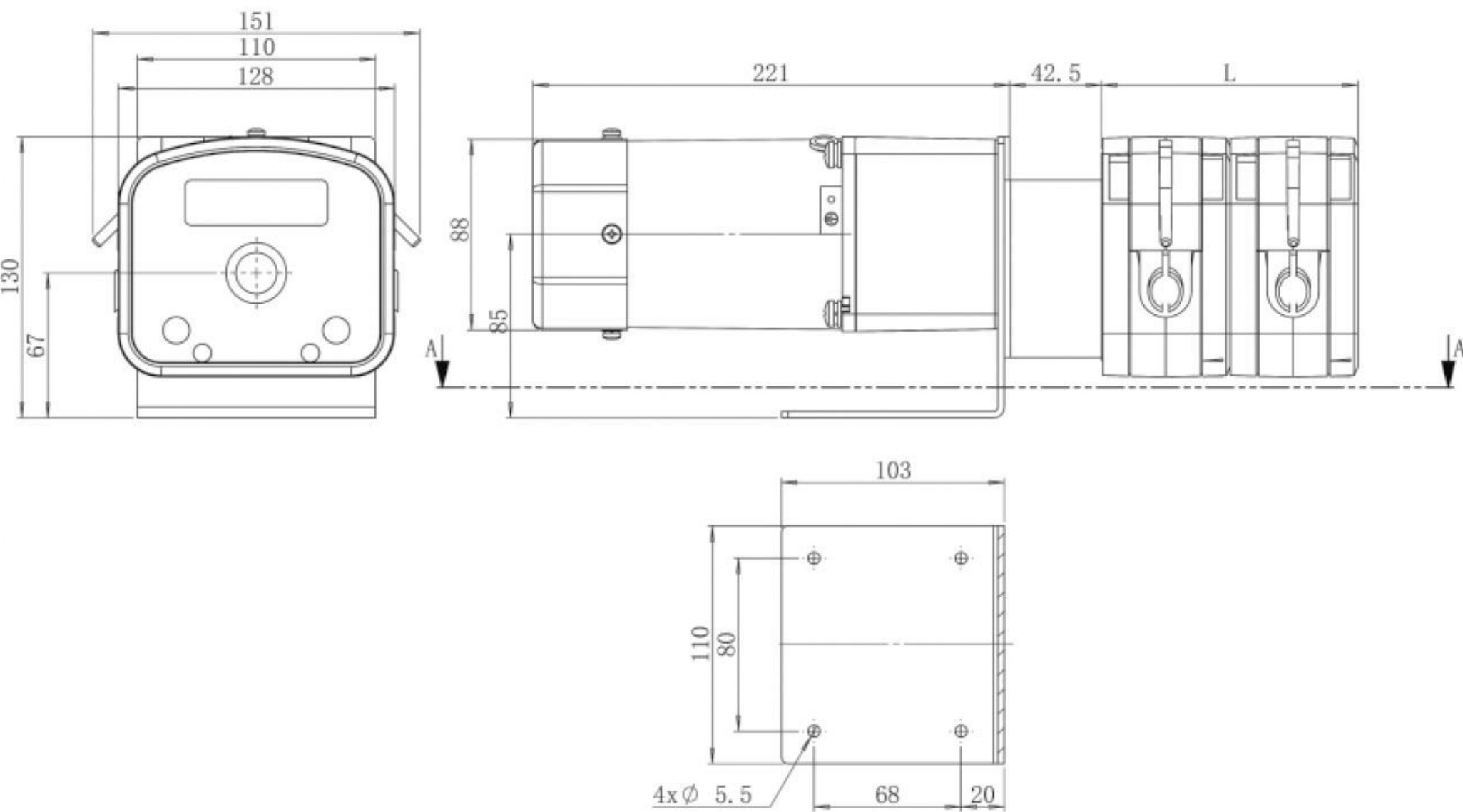


OEM-J402 Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-J402	AC geared motor	AC220V/AC110V	450	≤±10%	0-40℃, <80%RH no condensation

OEM-JT407/DZ25-6L(AC speed motor)

Dimension Drawing(Unit: mm)



OEM-JT407 Technical Specifications

Model No.	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-JT407	AC speed adjustable motor	AC220V/AC110V	45-450	≤±10%	0-40℃, <80%RH no condensation

Low Pulsation Pump Head

DY15,DY25



(2*6 rollers)

Product Introduction

The 'low pulsation' pump head is specialized for high precision filling. Through the phase difference between the two sets of rollers, make the pulse crest and trough complementary, reducing the fluid pulsation effectively, reach high precision liquid transferring.

Model Number

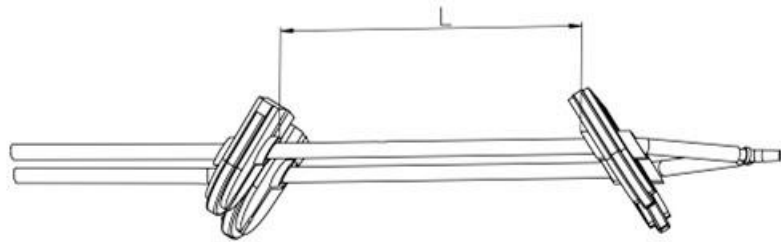
| DY15, DY25

Typical Application

High precision dosing micro liquid.

“Y”connector and tubing cartridge schematic diagram

The tubing length is 125mm between two cartridges



Tubing Installation Procedure

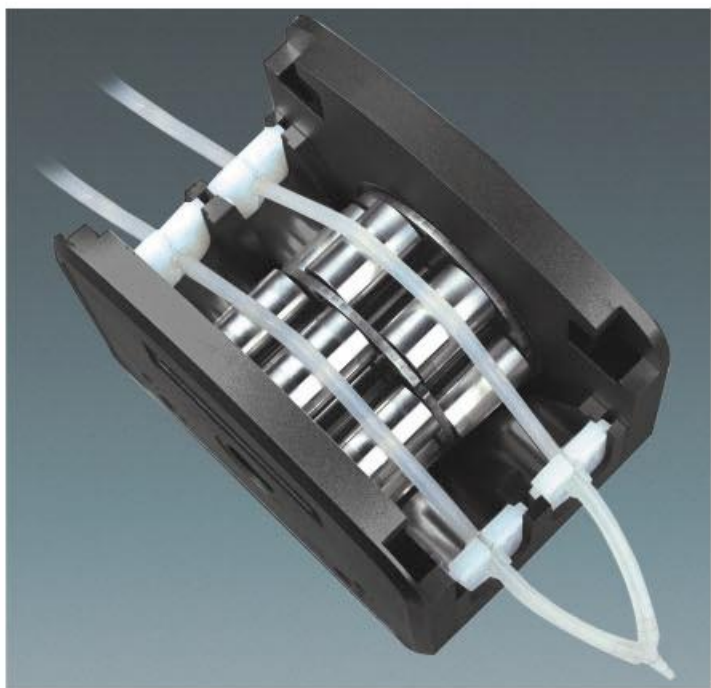
1.Lift both side levers, take off the upper block.



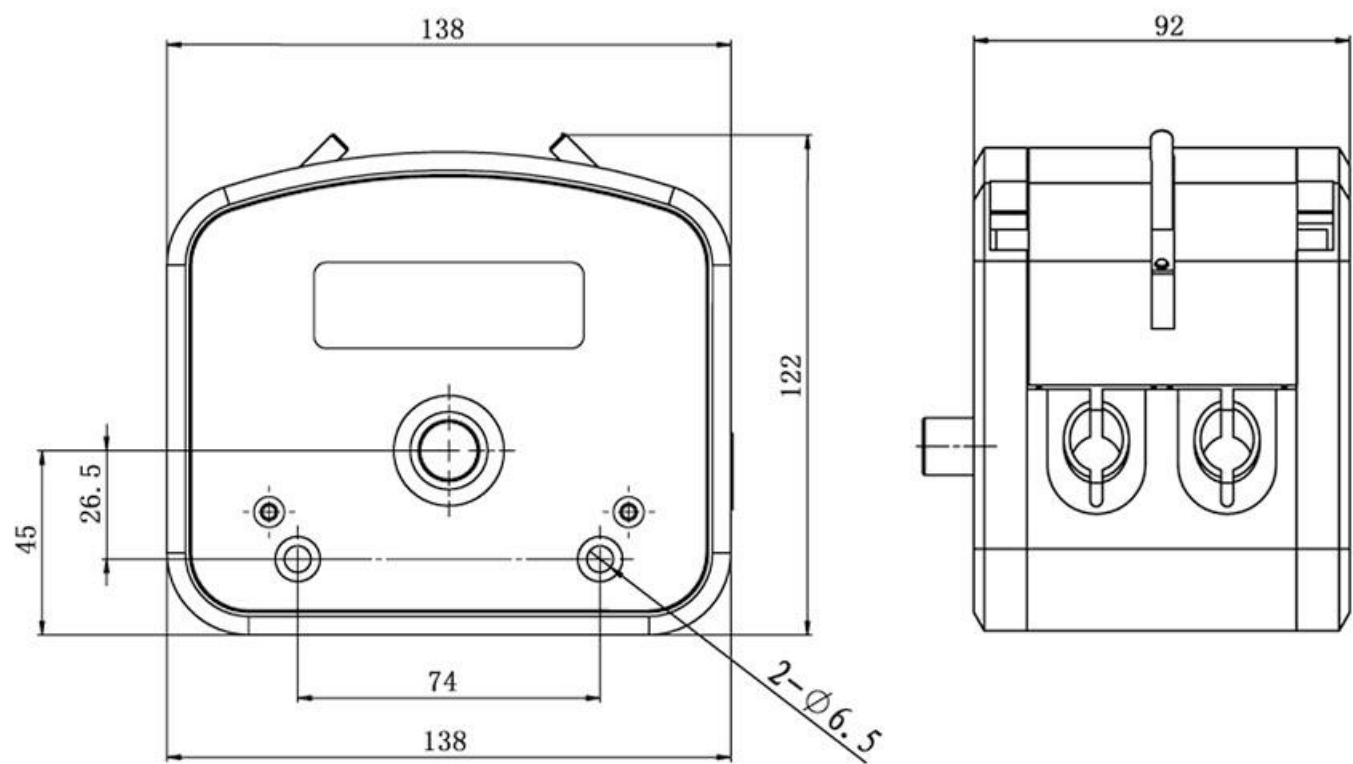
2.Put the tubing with tubing clamp into pump housing.



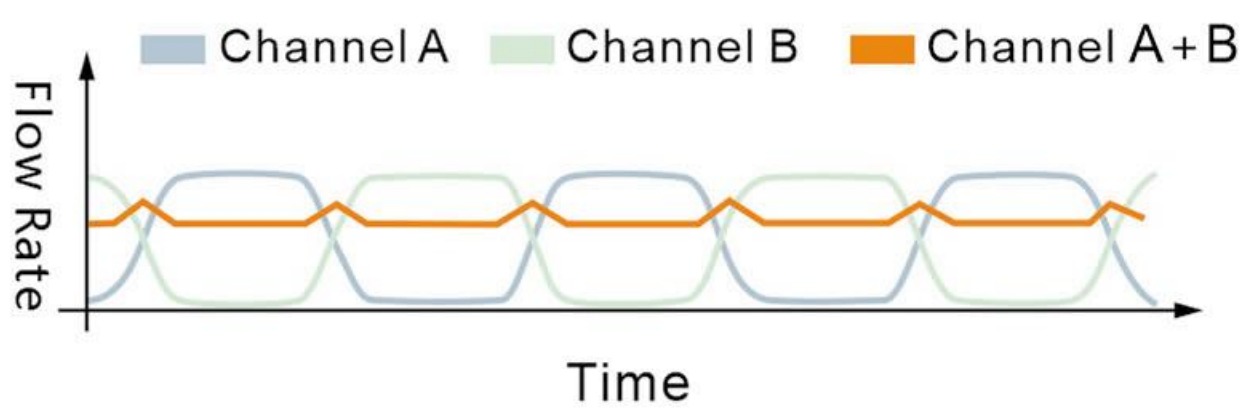
3.Install the upper block, put down the levers to lock the block.



Dimension Drawing(Unit: mm)



Pulsation Reduction Schematic Diagram



Experimental conditions:standard atmospheric pressure, room temperature at 20°C,the liquid is pure water, no pressure, no suction and lift.
Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

Technical Specifications

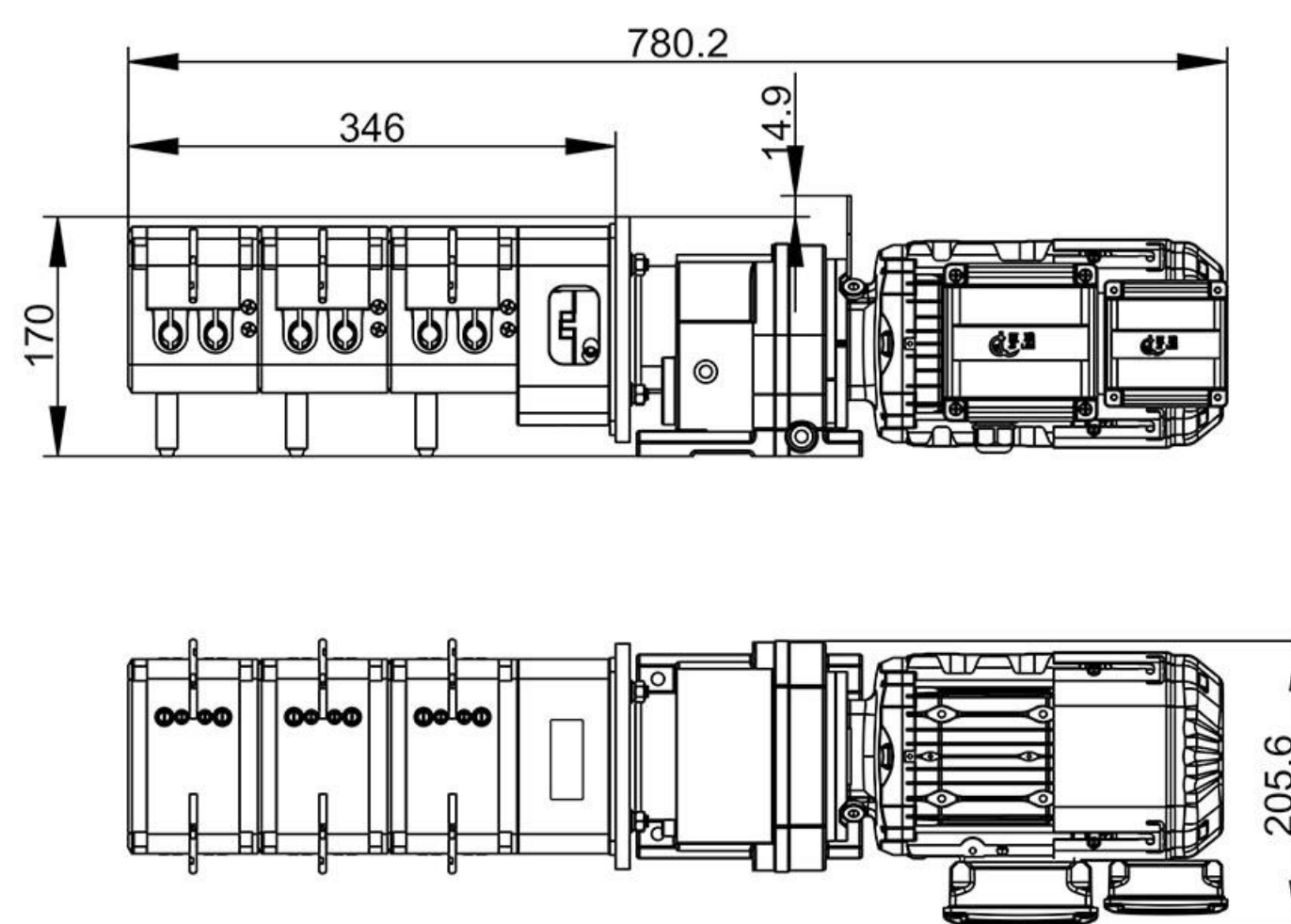
Model No.	Housing Material	Tubing Clamp Material	Tubing		Flow Rate (mL/min) (0.1–350rpm)	Weight (kg)
			Tubing Sizes	ID × Wall Thickness		
DY15	Aluminum alloy	PA	13 [#]	0.8x1.6(mm)	0.01~48	3.2
			14 [#]	1.6x1.6(mm)	0.06~223	
			19 [#]	2.4x1.6(mm)	0.13~448	
			16 [#]	3.2x1.6(mm)	0.2~723	
			25 [#]	4.8x 1.6(mm)	0.47~1626	
			17 [#]	6.4x1.6(mm)	0.64~2230	
			18 [#]	7.9x1.6(mm)	0.95~3337	
DY25	Aluminum alloy	PA	15 [#]	4.8x 2.4(mm)	0.42~1480	
			24 [#]	6.4x2.4(mm)	0.76~2670	
			35 [#]	7.9x2.4(mm)	1~3600	
			36 [#]	9.6x 2.4(mm)	1.24~4340	

OEM Product

OEM-JT601/3*DY25



Dimension Drawing(Unit: mm)

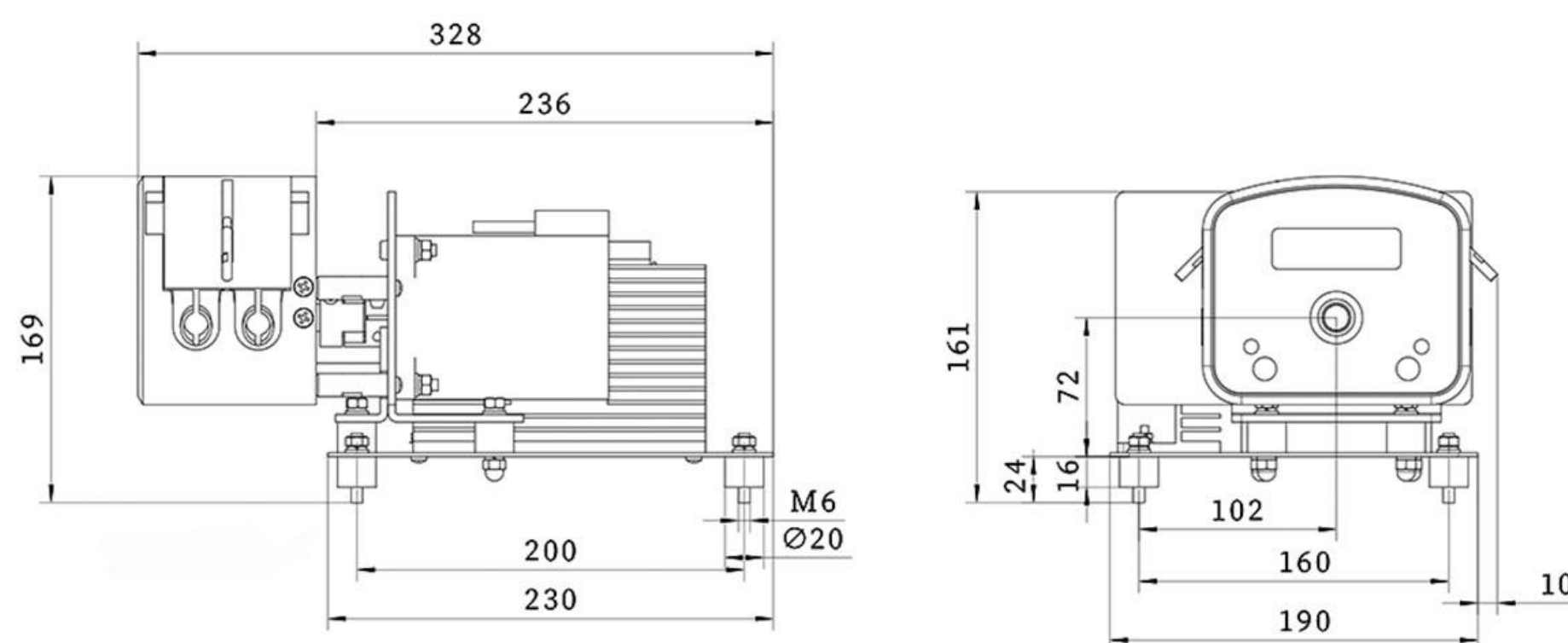


OEM-JT601 Technical Specifications

Input Speed	1500rpm	Motor Type	Three-phase AC variable frequency motor
Output Speed	100rpm	Power Supply	Three-phase AC380V/50HZ
Variable Frequency Speed Regulation Range	5-50Hz	IP Rating	IP55
Maximum Flow Rate	1240mL/min	Working Environment	0-40℃, <80%RH, non-condensing
Motor Rated Power	0.37KW		

OEM-B510/DY15

Dimension Drawing(Unit: mm)



OEM-B510/DY15 Technical Specifications

Speed Range	0.1-350rpm	Current Setting	Adaptive current
Flow Rate Range	0.01-3337mL/min	Power Supply	AC24~70V/DC30~100V(≥180W)
Motor Type	Closed loop stepper motor	Logic Input Voltage	5V-24V
Speed Control	External input pulse frequency speed control	Encoder interface	Compatible with 1000-PPR differential encoder input
Microstepping	8-position DIP switch configuration (16 microstepping by default)	Working Environment	0-40°C, <80%RH, non-condensing

Low Pulsation Pump Head

DY35 Product Introduction



- | Upgraded Design: Inspired by Apple's iconic aesthetic, the design symbolizes health and safety, combining excellent performance with a compact and light weight structure.
- | Superior Performance: Designed for low pulsation, high accuracy, and high flow rates.
- | Universal Tube Clamp Design: The versatile tube clamp accommodates multiple tubing sizes without changing tubing clamps — saving time and reducing the risk of losing clamps.
- | Durable & Robust Construction: Built with a 304 stainless steel roller assembly and a 6061 aluminum alloy pump housing, featuring a sand-blasted and oxidized surface finish.
- | User-Friendly Operation: Equipped with an ergonomically optimized large lever handle, enabling quick and easy installation.
- | Extended Tube Life: Features an adjustable elastic upper block that allows customized pressure settings based on different tubing types, helping to prolong tubing service life.
- | Open Head Stop Running Function: The pump head features an automatic stop function when the cover is opened.

Tubing Installation Procedure



1. Open the lever



2. Lift the upper pressure block

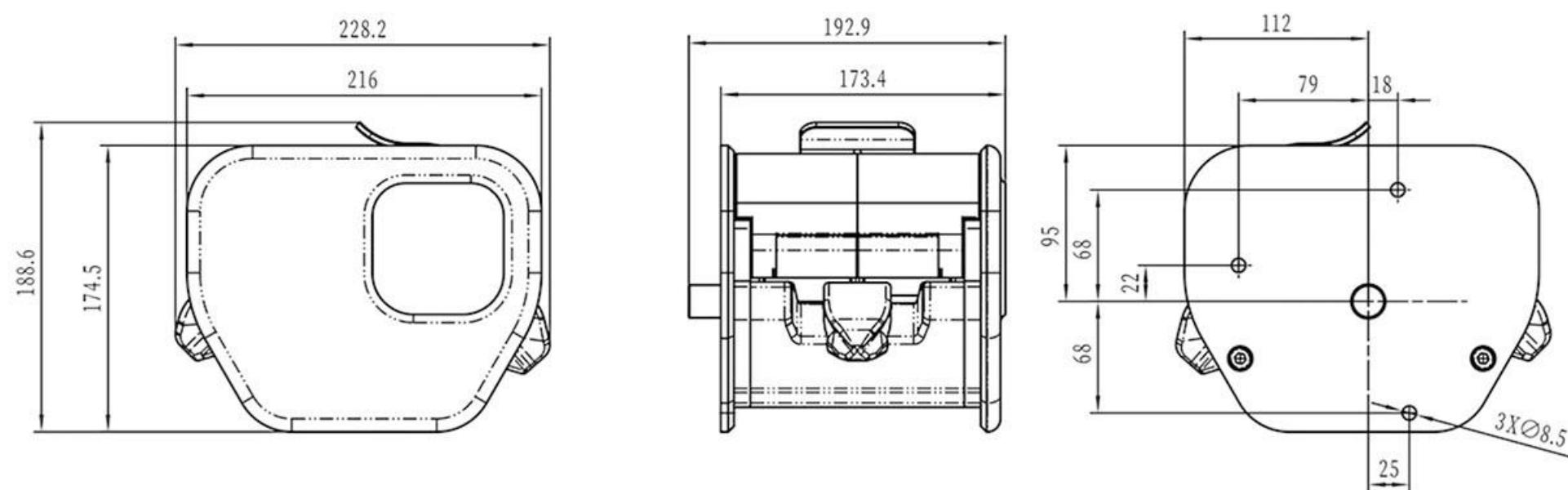


3. Install tubing assembly

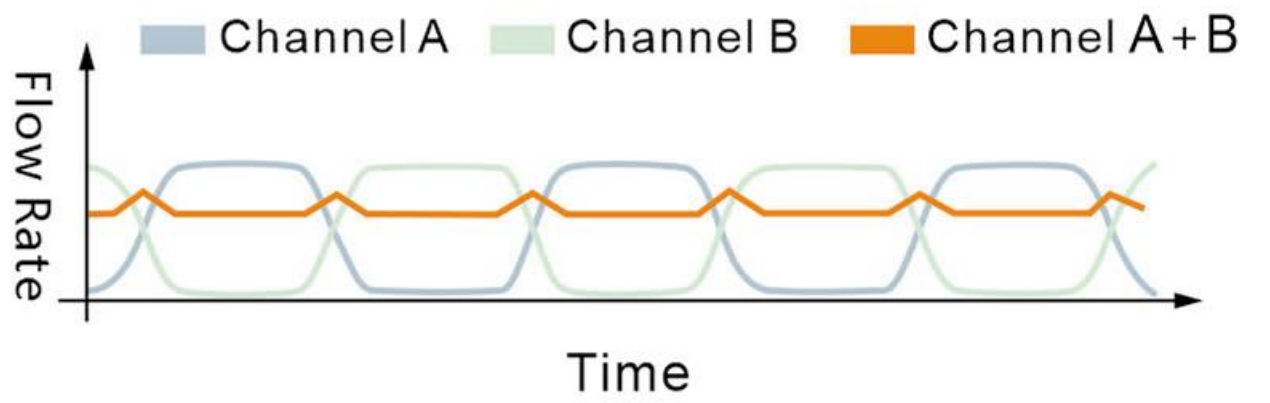


4. Place the upper pressure block back and lock the lever

Dimension Drawing(Unit: mm)



Pulsation Reduction Schematic Diagram



Technical Specifications							
Model	Housing Material	Tubing		mL/r	Speed (rpm)	Flow rate range (mL/min)	Weight (Kg)
		Tubing No.	IDxWT (mm)				
DY35	Aluminum alloy	73#	9.6x3.3	22.5	0.1-350	2.25-7875	10.6
		82#	12.7x3.3	36.4		3.64-12740	

Spring-Loaded Roller Industrial Pump Head



UT35 Product Introduction

The new UT35 pump head is designed with efficiency and operational safety in mind. Featuring a tool-free tubing replacement design. Compatible with both continuous tubing and tubing with connectors, it offers flexible tube retention options for a wide range of application requirements.

Its adjustable roller assembly enables fine adjustment of outlet pressure while helping to extend tubing service life and reduce tubing replacement frequency. For enhanced operator safety, the UT35 is equipped with a Lid-open stop function that automatically stops operation when the pump head cover is opened, helping provide a safer and more reliable fluid transfer experience.

Product Features

- Two tubing loading options: continuous tubing or tube-to-fitting.
- Lid-open stop function for enhanced operating safety.
- Elastic roller assembly to extend tubing service life.
- Easy micro-adjustment of pump head pressure.

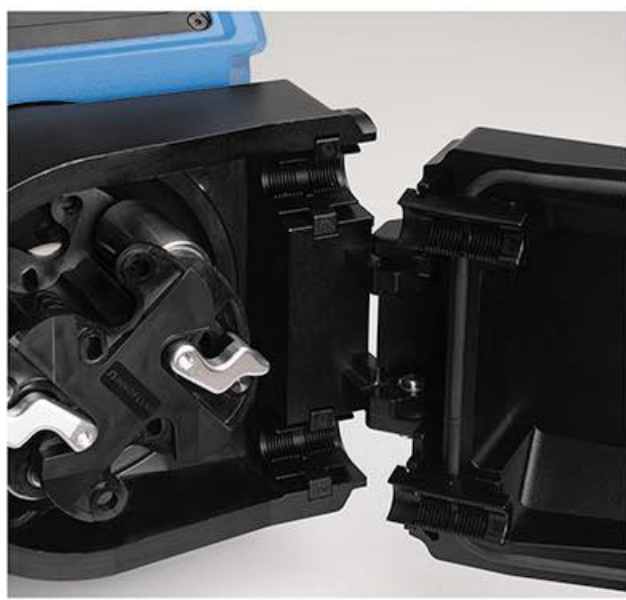
(2 rollers)
(4 rollers)

Tubing Installation Procedure

2-Roller Pump Head Tubing Installation



1. Press the locking switch to open the pump head.



2. Install the upper and lower tube clamps.



3. Install the tubing into the pump head and place it smoothly into the corresponding tube clamps.



4. Rotate the roller assembly and move the rollers into the working position using the lever.



5. Close the pump head housing to complete the tubing installation.

4-Roller Pump Head Tubing Installation



1. Built-in Tubing Assembly



2. Press the locking switch to open the pump head.



3. Install the built-in tube assembly into the pump head and press the tube connectors into the corresponding grooves.



4. Rotate the roller assembly and move the rollers into the working position using the lever.



5. Close the pump head housing to complete the tubing installation.

Technical Specifications

Pump Head	Speed (rpm)	Rollers number	Tubing		mL/r	Flow Rate (mL/min)	Tubing Max.Pressure(Mpa)		Weight (kg)
			Sizes	IDxWall Thickness(mm)			Intermittent	Continuous	
UT35(4)	0.1-265	4 rollers	12x4	12x4	34.34	3.434-9100	0.12	0.1	4.65
			17x4	17x4	55.85	5.585-14800	0.11	0.1	
UT35(2)		2 rollers	26#	6.4x3.3	11.32	1.132-3000	0.15	0.12	3.99
			73#	9.6x3.3	24.15	2.415-6400	0.16	0.12	
			82#	12.7x3.3	42.26	4.226-11200	0.15	0.1	
			15.9x3.3	15.9x3.3	62.75	6.275-16630	0.15	0.12	
			12x4	12x4	41.5	4.150-11000	0.15	0.12	
			17x4	17x4	67.92	6.792-18000	0.13	0.12	

Planetary Gear Type Industrial Pump Head

DZ45



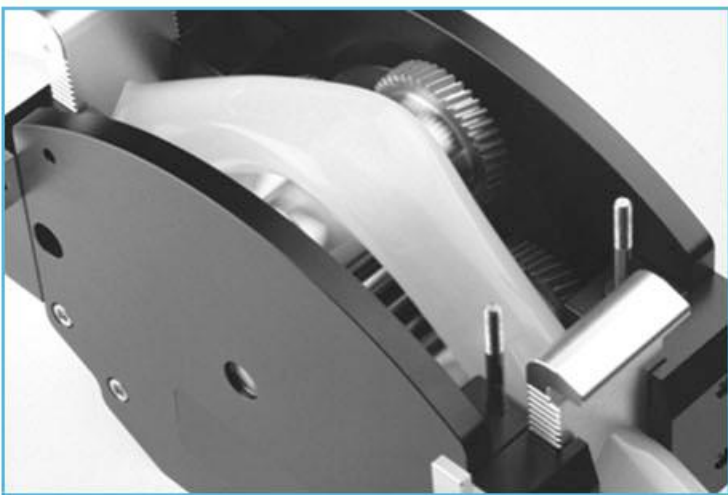
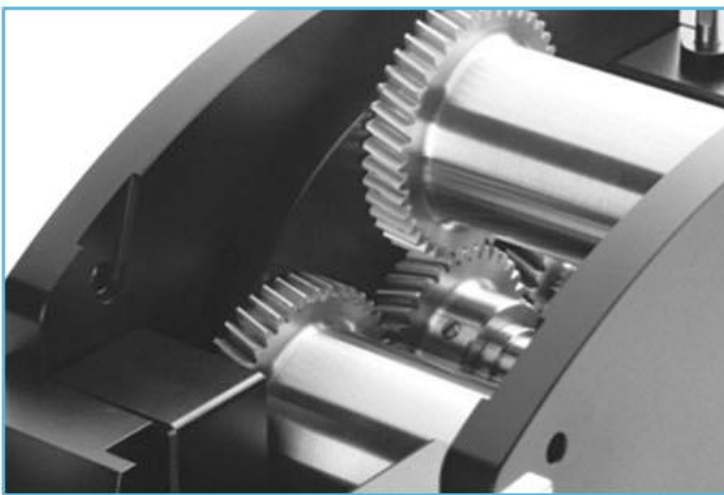
Product Introduction

DZ45 pump head, aluminum alloy shell, 304 stainless steel roller assembly. Four rollers design, low pulsation. Planetary gear roller, driven rotor.

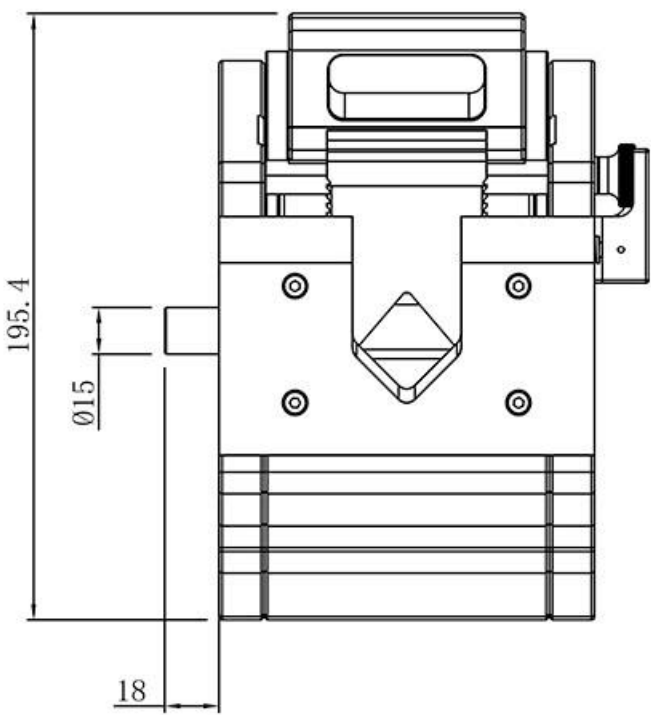
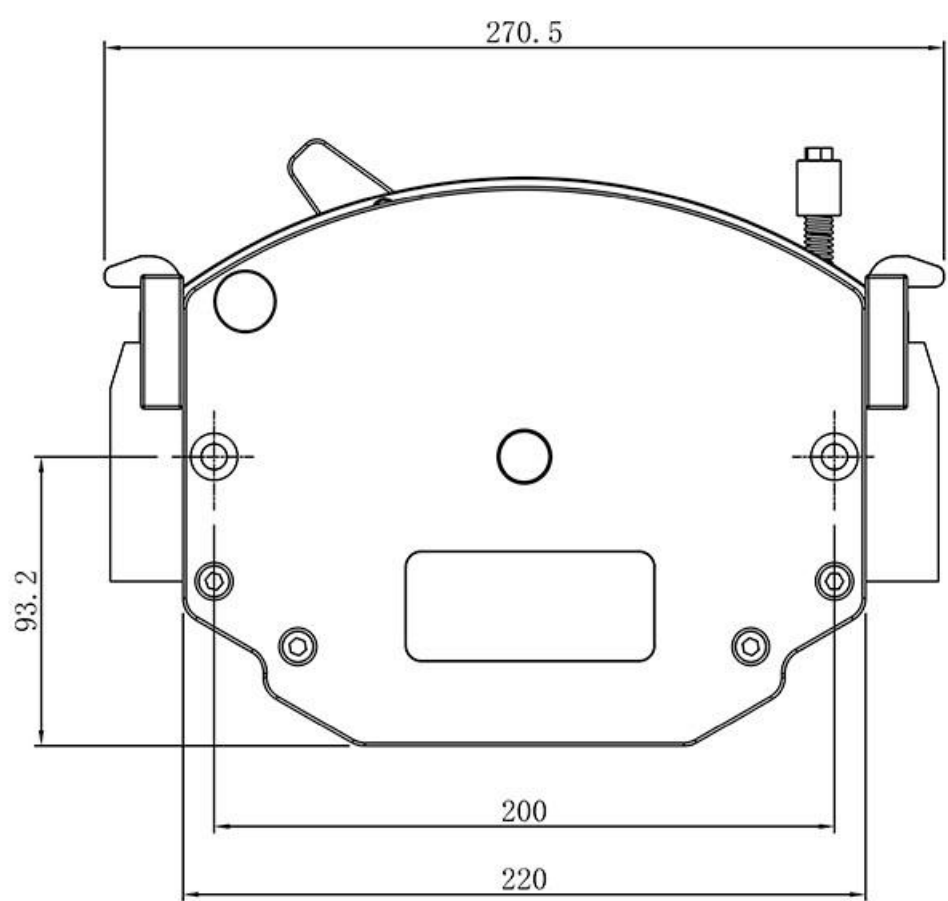
Product Features

- Long service life of tube: The rollers of the planetary gears are powered by self-transmission, rolling friction with the tube, extending the service life of the tube.
- High torque, shock resistant: Planetary gears have multiple contact surfaces, multiple gear surfaces receive shock loads evenly across 360°, make the load on each gear smaller and can accept higher torque shock.
- Running smoothly: The unique multi-point uniform fit in planetary gear combinations, and our company's gear processing technology is fine grinding, can achieve higher precision positioning and make it run smoothly.

Roller Components



Dimension Drawing(Unit: mm)



Technical Specifications

Pump Head	Housing Material	Tube Clamp Material	Tubing		Speed (rpm)	L/r	Flow Rate (L/min)	Weight (kg)
			Size	IDxWall Thickness				
DZ45	Aluminum alloy	Aluminum alloy	193#	9.6x4.8	0.1-300	0.019	0.0019-5.66	10
			88#	12.7x4.8		0.035	0.0035-10.5	
			189#	15.9x4.8		0.047	0.0047-13.98	
			191#	19.4x4.8		0.063	0.0063-18.78	
			92#	25.4x4.8	0.1-270	0.104	0.0104-28.15	

OEM Product

DC Motor OEM

OEM-Z Series						
Model No.	Pump head	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-Z109	EasyPump Series AMC Series SN Series	Φ60 DC motor	DC12V	600	± 10%	0-40°C, <80%RH no condensation
OEM-Z205		Φ70DC motor	DC12V	300		
OEM-Z208		Φ70 DC motor	DC12V	600		
OEM-Z216		Φ70 DC motor	DC12V	450		
OEM-Z218		Φ70 DC motor	DC12V	600		
OEM-Z402	DZ25-3L	Φ80 DC motor	DC12V	600		
OEM-Z501	YZ35-II	Φ90 DC motor	DC12V	600		
OEM-Z502		Φ90 DC motor		600		
OEM-Z503		Φ90 DC motor		240		
OEM-Z506	DZ25-6L YZ25-6L	Φ90 DC motor	DC12V	350		
OEM-Z504		Φ90 DC motor		600		
OEM-Z505		Φ90 DC motor		460		

AC Motor OEM

OEM-J Series						
Model No.	Pump head	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-J013	EasyPump Series AMC Series SN Series	Φ70 AC motor	AC220V(standard), AC110V(optional)	417	± 10%	0-40°C, <80%RH no condensation
OEM-J022		Φ90 AC motor		430		
OEM-J024		3 phase AC motor		430		
OEM-J026		3 phase AC motor		430		
OEM-J027		3 phase AC motor		70		
OEM-J402	DZ25-6L/YZ25-6L	Φ90 AC motor		450		
OEM-J401	YZ35-II	Φ90 AC motor		450		

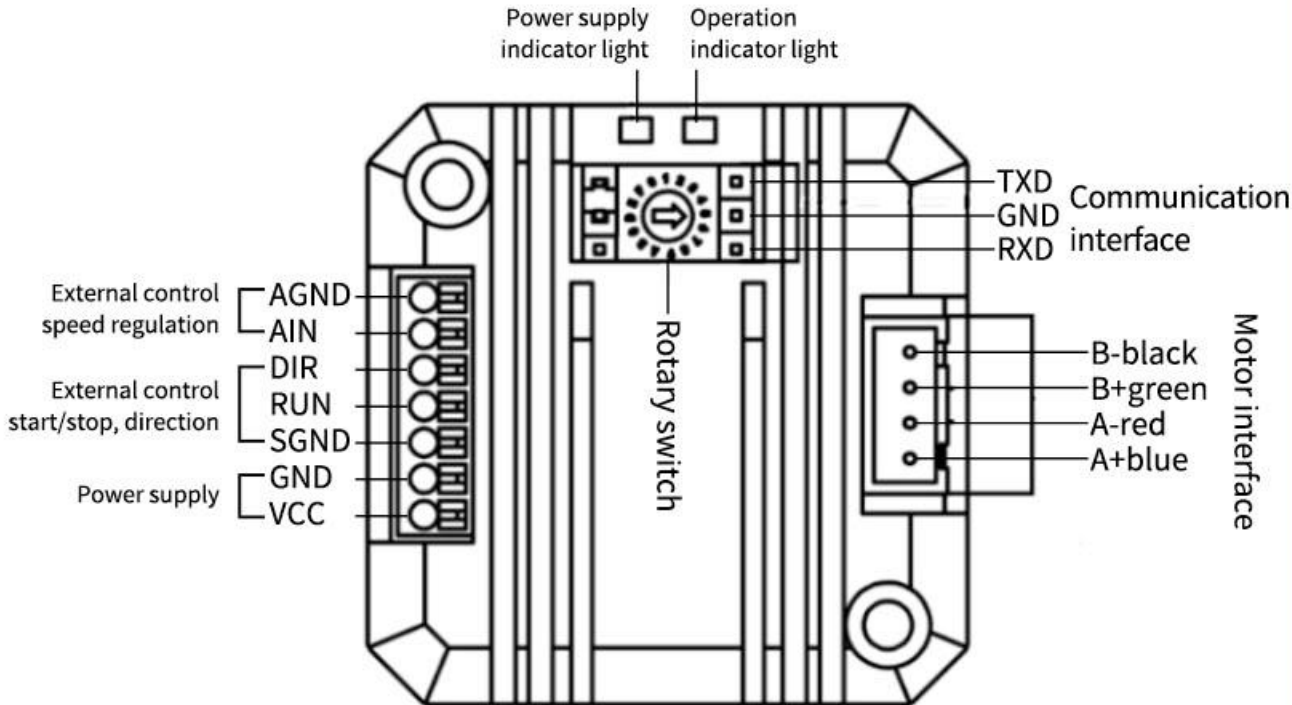
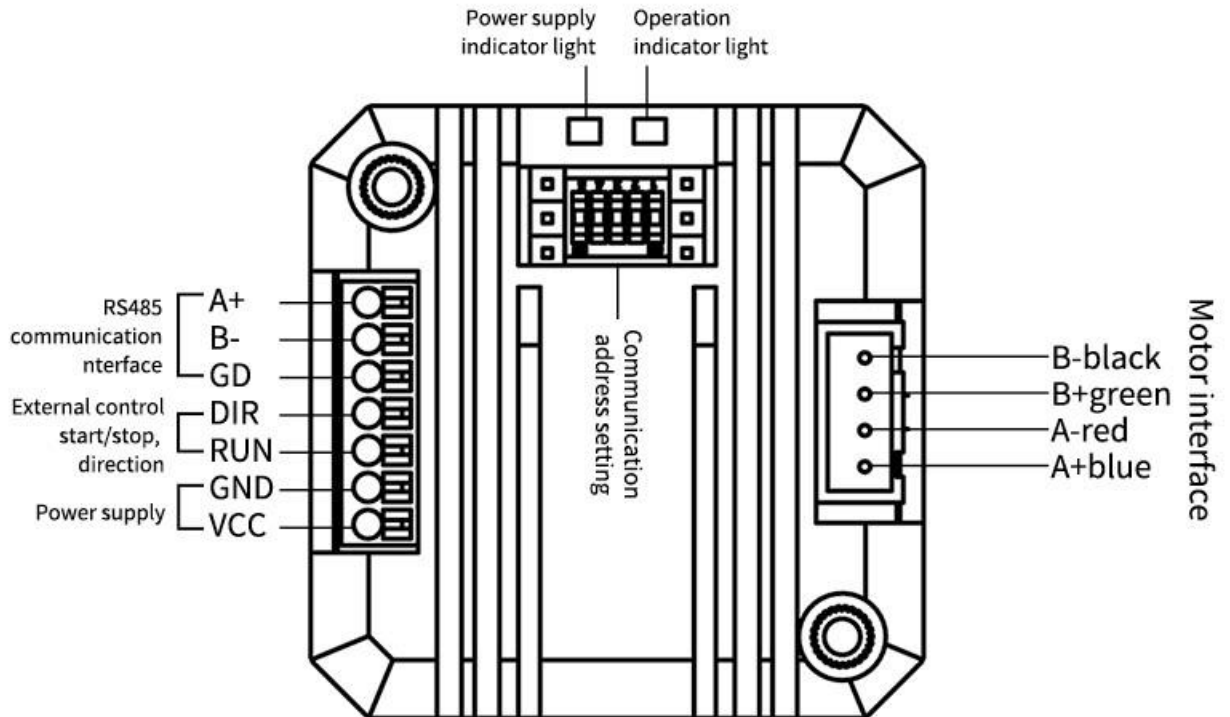
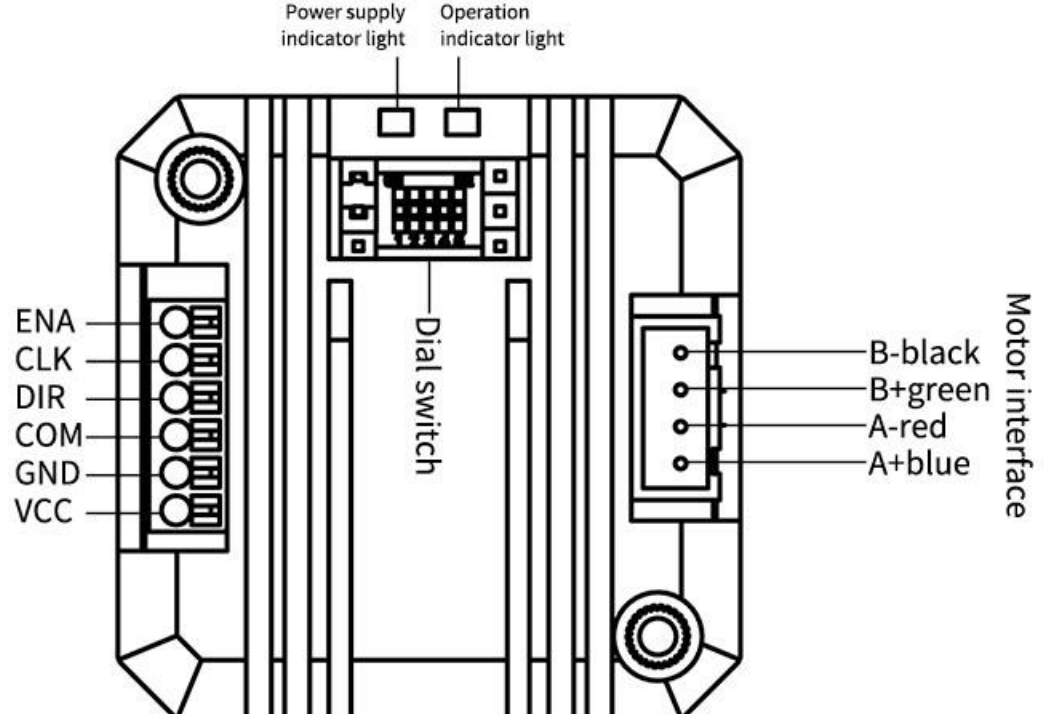
OEM-JT Series						
Model No.	Pump head	Motor type	Power supply	Speed(rpm)	Speed error	Working environment
OEM-JT03	EasyPump Series AMC Series SN Series	Φ70 AC motor	AC220V(standard), AC110V(optional)	30-300	± 10%	0-40°C, <80%RH no condensation
OEM-JT08		Φ90 AC motor		43-430		
OEM-JT12		Φ90 AC motor		43-430		
OEM-JT402		Φ90 AC motor		45-450		
OEM-JT406		Φ90 AC motor		45-450		
OEM-JT407	DZ25-6L/YZ25-6L	Φ90 AC motor		45-450		
OEM-JT501	YZ35-II	Φ104 AC motor		45-450		
OEM-JT502		Φ104 AC motor		45-450		

Tubing & Flow Rate		
Pump Head	Tubing	Flow Rate (mL/min)
EasyPump Series	13# , 14# , 19# , 16# , 25# , 17# , 18#	<2580
	15# , 24# , 35# , 36#	<3100
AMC Series	ID: 0.13–3mm Wall thickness: 0.8–1mm	<65.17
SN Series	14# , 16# , 24#	<1500
DZ25–3L	15# , 24# , 35# , 36#	<3600
DZ25-6L/YZ25-6L	15# , 24# , 35# , 36#	<6000
YZ35-II	26# , 73# , 82#	<12000

OEM Product

Low-speed silent integrated drive module (42 stepper motor)

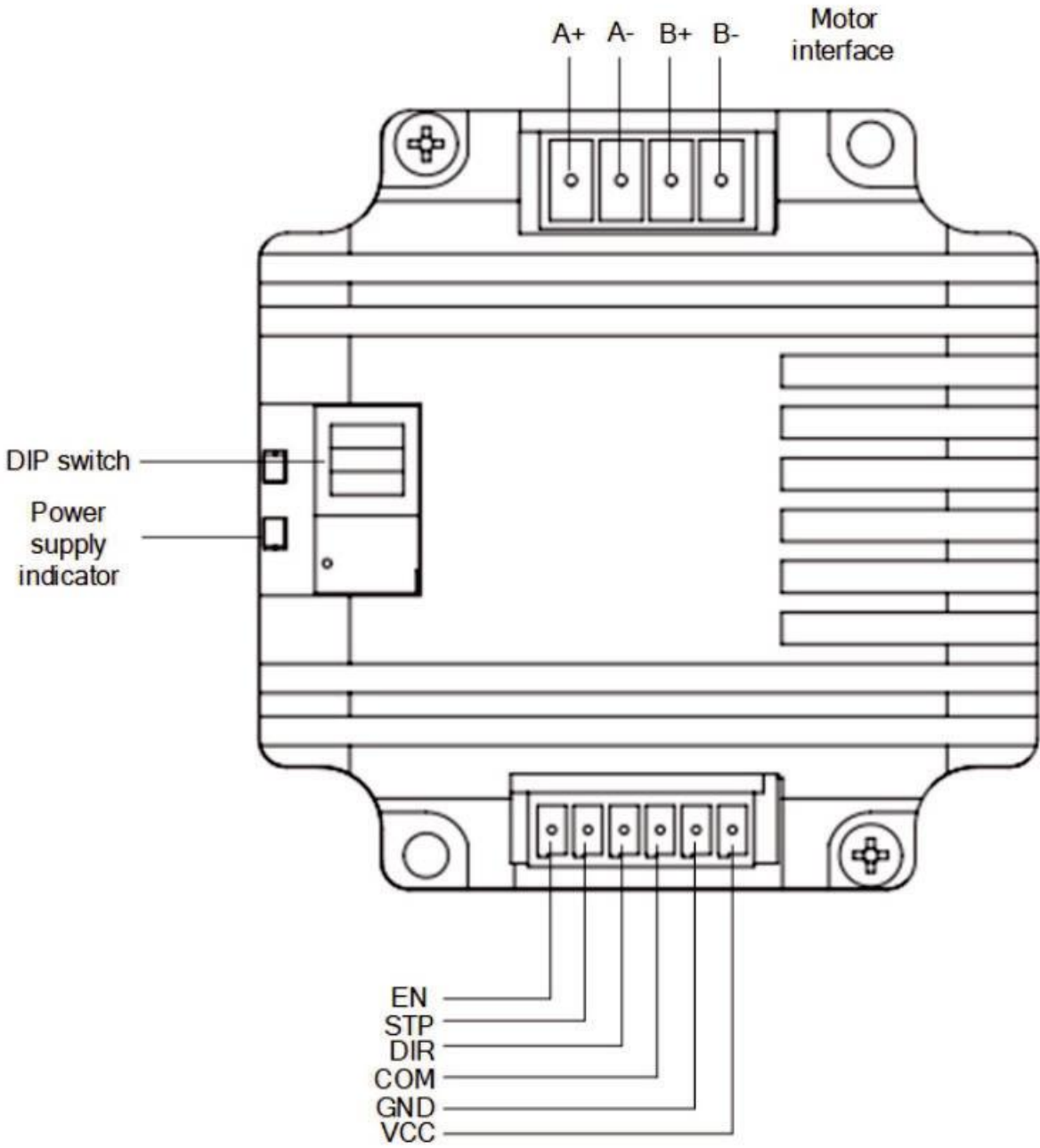
Technical Specifications			
Suitable motor	35 stepper motor, 42-40 and 42-60 stepper motor	Output motor current	0.1-2A
		Power supply	DC24V-DC36V
Max. Speed	Speeds available: 150rpm, 300rpm, 350rpm, 400rpm, and 600rpm	Working environment	0-40℃, < 80%RH no condensation

Product	Model No.	Functions	Wiring Diagram
 M42Q/0-5V,0-10V,4-20mA	M42Q/0-5V	Start/stop control: Control start/stop via passive switch signals. Direction control: Control direction via passive switch signals. Speed control: Internal fixed speed mode (Setting by rotary switch and communication) and external 0-5V analog input signal.	 Power supply indicator light Operation indicator light External control speed regulation: AGND, AIN External control start/stop, direction: DIR, RUN, SGND Power supply: GND, VCC Rotary switch Communication interface: TXD, GND, RXD Motor interface: B-black, B+green, A-red, A+blue
	M42Q/0-10V	Start/stop control: Control start/stop via passive switch signals. Direction control: Control direction via passive switch signals. Speed control: Internal fixed speed mode (Setting by rotary switch and communication) and external 0-5V analog input signal.	
	M42Q/4-20mA	Start/stop control: Control start/stop via passive switch signals. Direction control: Control direction via passive switch signals. Speed control: Internal fixed speed mode (Setting by rotary switch and communication) and external 4-20mA analog input signal.	
 M42Q/RS485	M42Q/RS485	Control method: RS485 (Standard Modbus protocol). Start/stop control: Supports both RS485 and passive switch signal control for start/stop. Direction control: Supports both RS485 and passive switch signal control for direction. Power-off memory function.	 Power supply indicator light Operation indicator light RS485 communication interface: A+, B-, GD External control start/stop, direction: DIR, RUN Power supply: GND, VCC Communication address setting Motor interface: B-black, B+green, A-red, A+blue
 M42Q/PULSE	M42Q/PULSE	Speed control: Internal fixed speed mode (setting by DIP switch and communication) and external pulse frequency input. Control method: Supports both common cathode and common anode wiring methods. Subdivision: 1/16 (recommended), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128, 1/256. Logical input voltage: 5V-24V.	 Power supply indicator light Operation indicator light ENA, CLK, DIR, COM, GND, VCC Dial switch Motor interface: B-black, B+green, A-red, A+blue

OEM Product

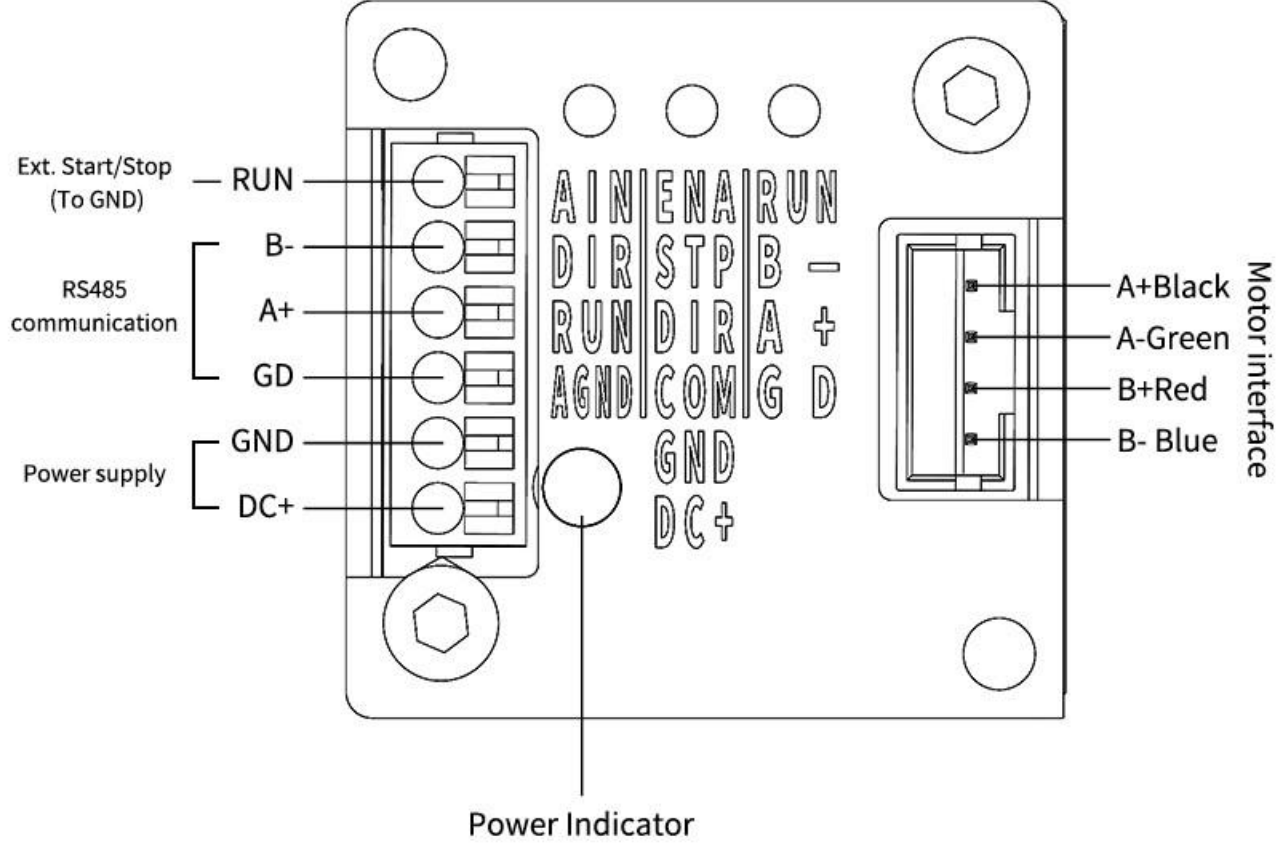
Integrated Drive Module(57 stepper motor)

Technical Specifications			
Suitable motor	57 stepper motor	Output motor current	0.4-2.8A
		Power supply	DC24V
Speed range	0.1-600rpm	Working environment	0-40°C, < 80%RH no condensation

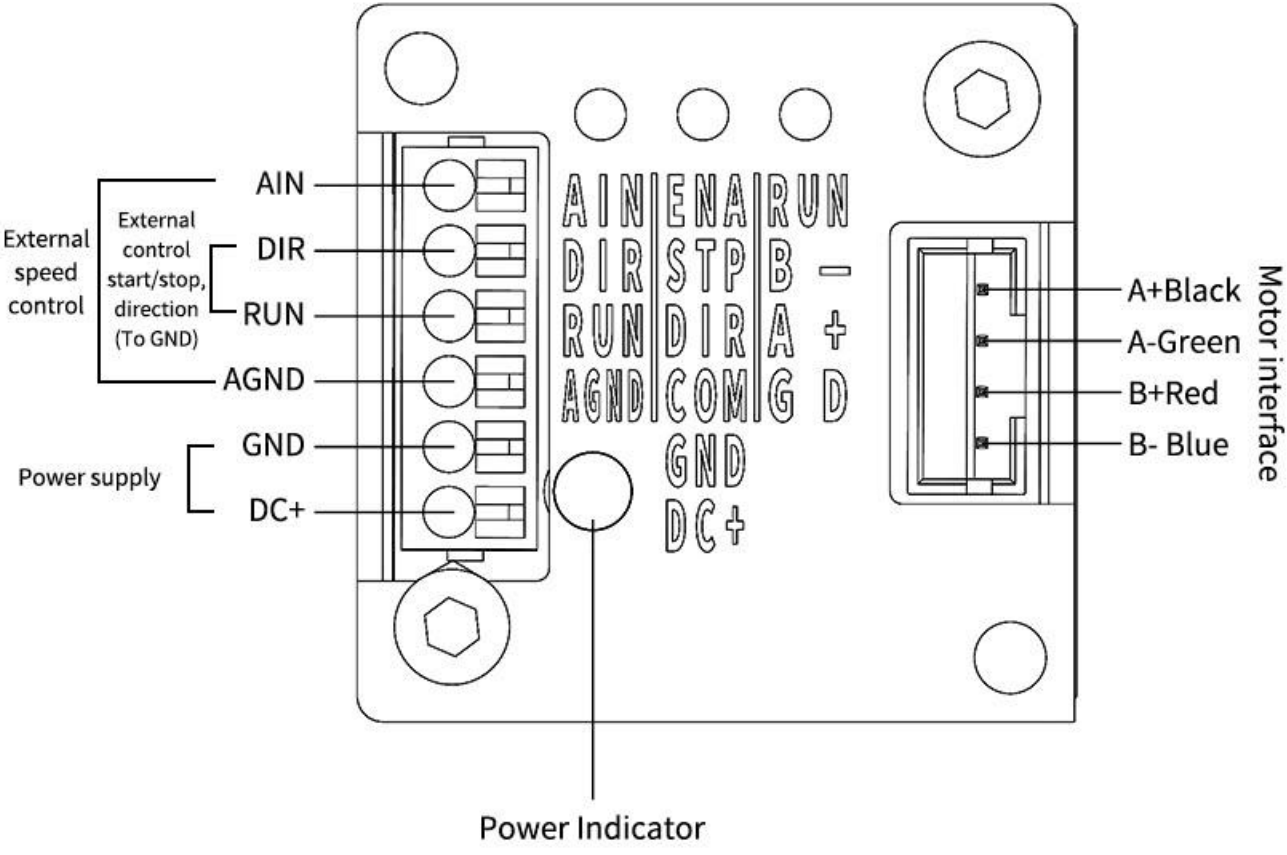
Product	Model No.	Functions	Wiring Diagram
 M57Pulse	M57Pulse	Speed control: Internal constant speed or external input pulse frequency control (common cathode/common anode) Subdivision setting: 1/16 (Recommended), 1/8, 1/32, 1/64 Logic input voltage: 5V-24V	

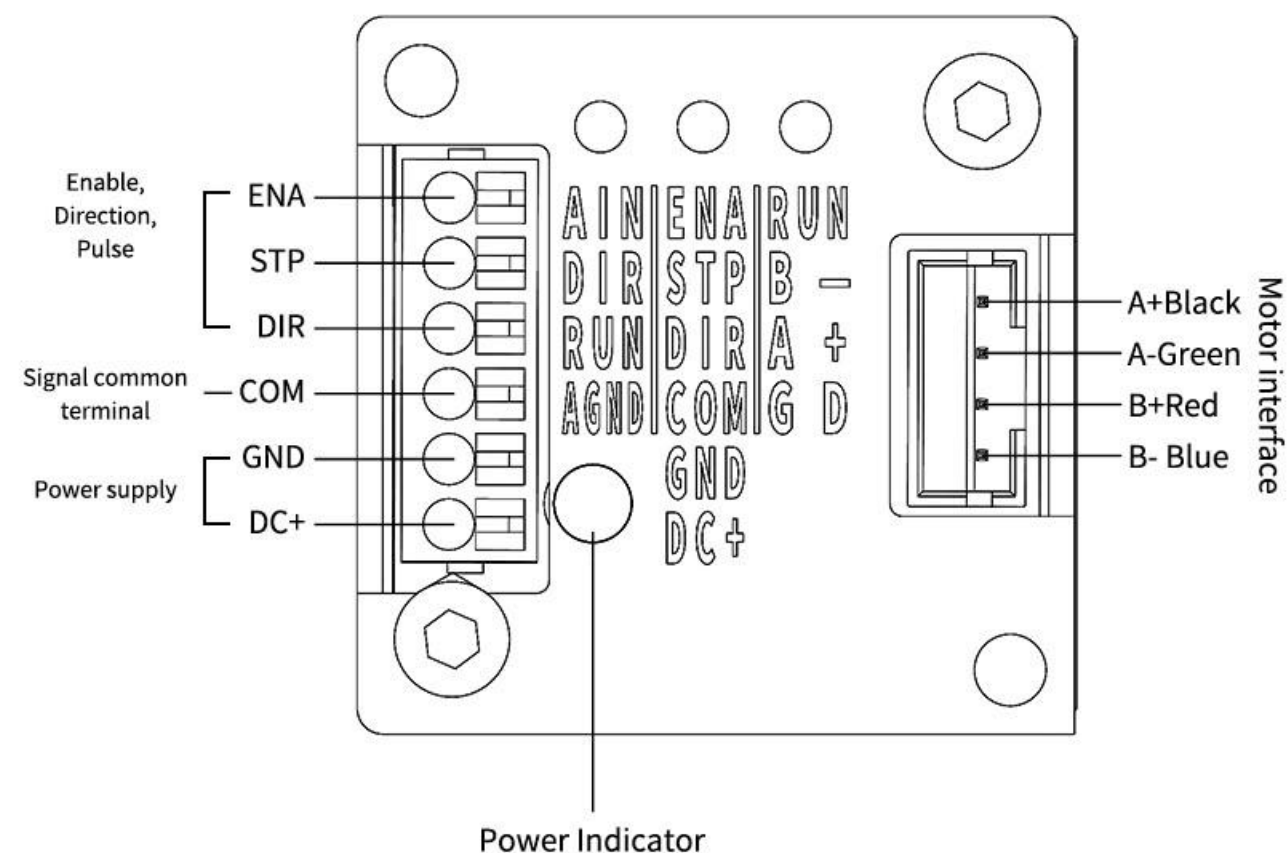
Low-speed silent integrated drive module (28 Stepper motor)

Technical Specifications			
Suitable motor	28 Stepper motor	Power Supply	DC24V
Maximum Speed	300rpm	Working environment	0-40°C, < 80%RH no condensation
Motor Output Current	0.1-1A		

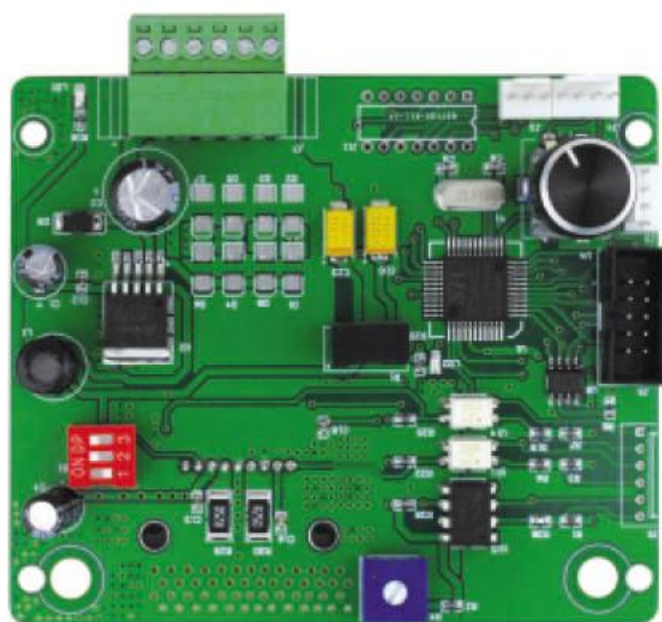
Product	Model No.	Functions	Wiring Diagram
 M28Q/RS485	M42Q/RS485	Control Mode: RS485 (Standard Modbus Protocol) Start/Stop Control: Supports simultaneous control via RS485 and passive switch signals Direction Control: Supports RS485 communication control Power-Down Memory Function	

OEM Product

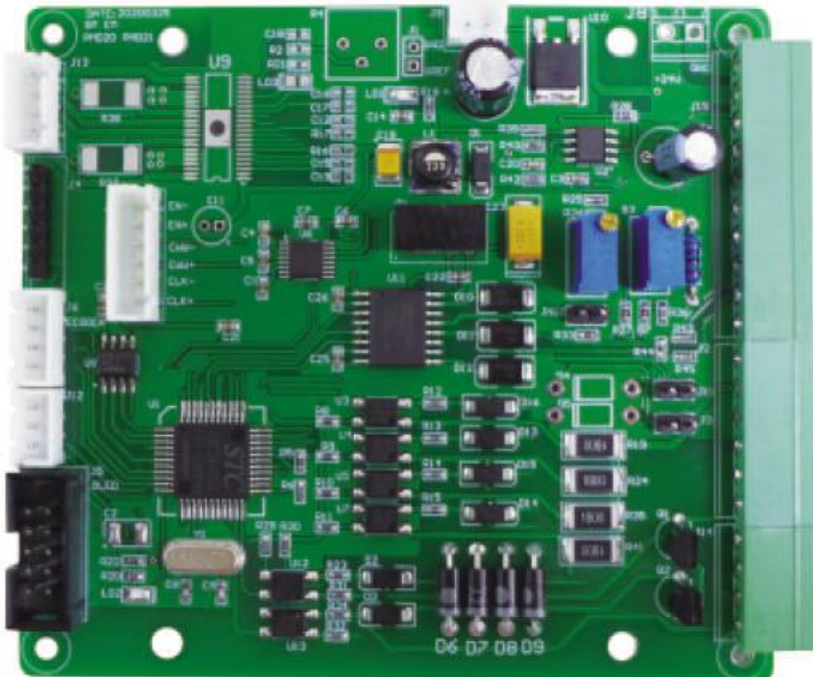
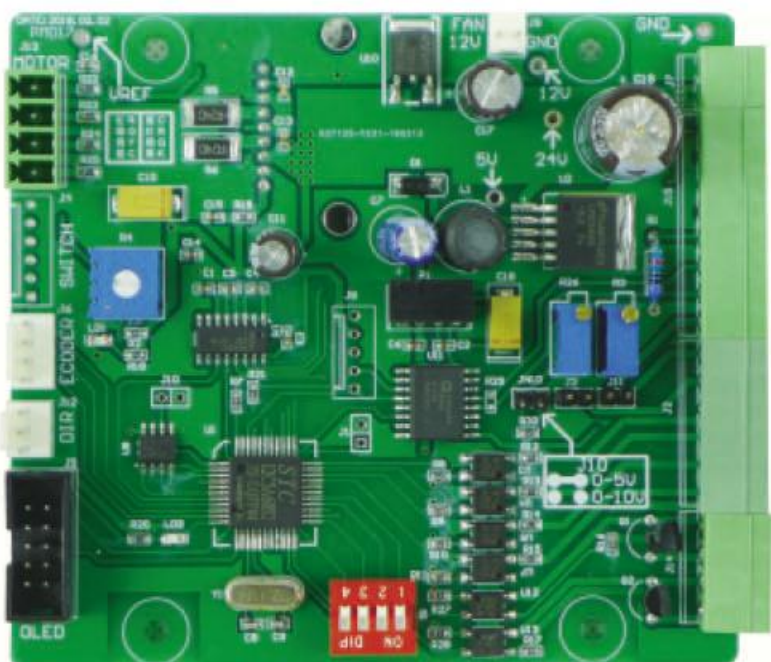
Product	Model No.	Functions	Wiring Diagram
 M28Q/0-5V, 0-10V, 4-20mA	M28Q/0-5V	Start/stop control: Controlled by passive switch signal Direction control: Controlled by passive switch signal Speed control: Internal fixed speed mode and external 0-5V analog signal input (configurable via rotary switch and communication)	
	M28Q/0-10V	Start/stop control: Controlled by passive switch signal Direction control: Controlled by passive switch signal Speed control: Internal fixed speed mode and external 0-10V analog signal input (configurable via rotary switch and communication)	
	M28Q/4-20mA	Start/stop control: Controlled by passive switch signal Direction control: Controlled by passive switch signal Speed control: Internal fixed speed mode and external 4-20mA analog signal input (configurable via rotary switch and communication)	

Product	Model No.	Functions	Wiring Diagram
 M28Q/PULSE	M28Q/PULSE	Speed control: Internal fixed speed mode and external pulse frequency input (configurable via rotary switch and communication) Control method: Supports common cathode and common anode connections Microstep Settings: 1/16 (Recommended), 1/1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128, 1/256 Logic Input Voltage: 5V - 24V	

Control Board For OEM Product



PD03 Main board technical specification		PMD07 Main board technical specification	
Speed range	0.1–350 rpm	Speed range	0.1–350 rpm
Speed control	Pulse frequency speed control	Display(optional)	0.96" OLED screen
Logic input voltage	5V, 12V, 24V(default 5V)	Speed control	Preset speed or manual control
Multiple segments	1/16(recommend), 1, 1/2, 1/4, 1/8, 1/32 1/64, 1/128	Control mode	External passive signal level (normally closed or open) mode; control the start/stop and direction
Input voltage	DC 24V	Input voltage	DC 24V
Power	< 60W	Power	< 60W
Dimension (L*W)	98.48 × 82.68 mm	Dimension (L*W)	98.48 × 82.68 mm



PMD17 Mainboard technical specification		PM29 Mainboard technical specification	
Speed range	0.1-350 rpm(optional)	Speed range	0.1-600rpm(optional)
Flow rate range	0.000067-1330mL/min	Speed resolution	0.1rpm
Speed resolution	0.1rpm	Display(optional)	OLED screen(optional)
Display	0.96" OLED screen(optional)	Control mode	Membrane keypad/Toggle switch
Speed control	Preset speed or membrane keypad speed control (optional)	Speed control(optional)	Preset speed or membrane keypad speed control (optional)
Control mode	Digital knob and toggle switch	External control speed	0-5V, 4-20mA(standard), 0-10V (optional)
External control	Start/stop;Active switch signal: 5V (standard)	Communication interface	RS485 support Modbus protocol (RTU mode)
Communication interface	RS485 support Modbus protocol (RTU mode)	External control	Start/stop,change direction signal ; Passive switch signal
External control speed	0-5V, 4-20mA(standard), 0-10V (optional)	Motor type	57 stepper motor
Motor type	57 stepper motor	Voltage	DC24V, ≥48W
Input voltage	DC 24V	Working environment	0-40°C, <80%RH no condensation
Power	<60W		

Peristaltic Pump Accessories

A Filling Nozzle

Name	Material	Picture
Reducer anti-splash filling nozzle	SS316	
Flat filling nozzle	SS304/316	

B One Way Checkvalve



Avoid liquid drop off after filling and transferring.

C Filling Countersunk



Used for the input of tube, preventing the tube floating or absorbing the wall of container.

Name	Material	Tube
Counter sunk	304/316 stainless steel	13#, 14#, 19#, 16#, 25#, 17#, 18#, 15#, 24#, 35#, 36#, 26#, 73#, 82#

D Fluid Pulse Damper



Special design for peristaltic pump, effectively suppress the peristaltic pump pulsation and improve the flow rate accuracy. The pulsation suppression rate can reach more than 95%.

E Handling Dispenser



Filling nozzle and tubing cap			
Filling nozzle size	13#	14#	19#
Inner diameter	3mm	3.5mm	4.5mm
Picture			
Filling nozzle size	16#	15#/25#	17#/24#
Inner diameter	5mm	7mm	9mm
Picture			
Tubing size	17#	18#	Plum blossom cap
Inner diameter	9.6mm	11.1mm	
Picture			

Based on ergonomics design, elegant appearance, grip feeling comfortable, easy operation. Connect to peristaltic pump external control interface, with start/stop and full speed control, can realize transferring and dispensing function. Power supply and working indicator, show the dispenser working status. With hanging hole, can be hang up when do not use.

F Foot Pedal Switch



Control the pump start/stop with foot pedal switch.

G Tube Connector



a Straight tube connector



b "Y" tube connector



c Tee tube connector



d Reducer tube connector



e "L" tube connector



f Flexible/Hard tube connector

H PH Controller



Work with peristaltic pump, can control the liquid PH value, add acid or alkali automatically.

Function:

1. Liquid: Acid-Base Solutions
2. PH value : 0-14PH
3. Set up target PH value
4. Add acid or alkali liquid automaticall
5. Control: RS485 , 4-20mA
6. Power supply: DC24V (AC220V for option)
7. Suitable temperature: 0-60°C

I 5V Sensor



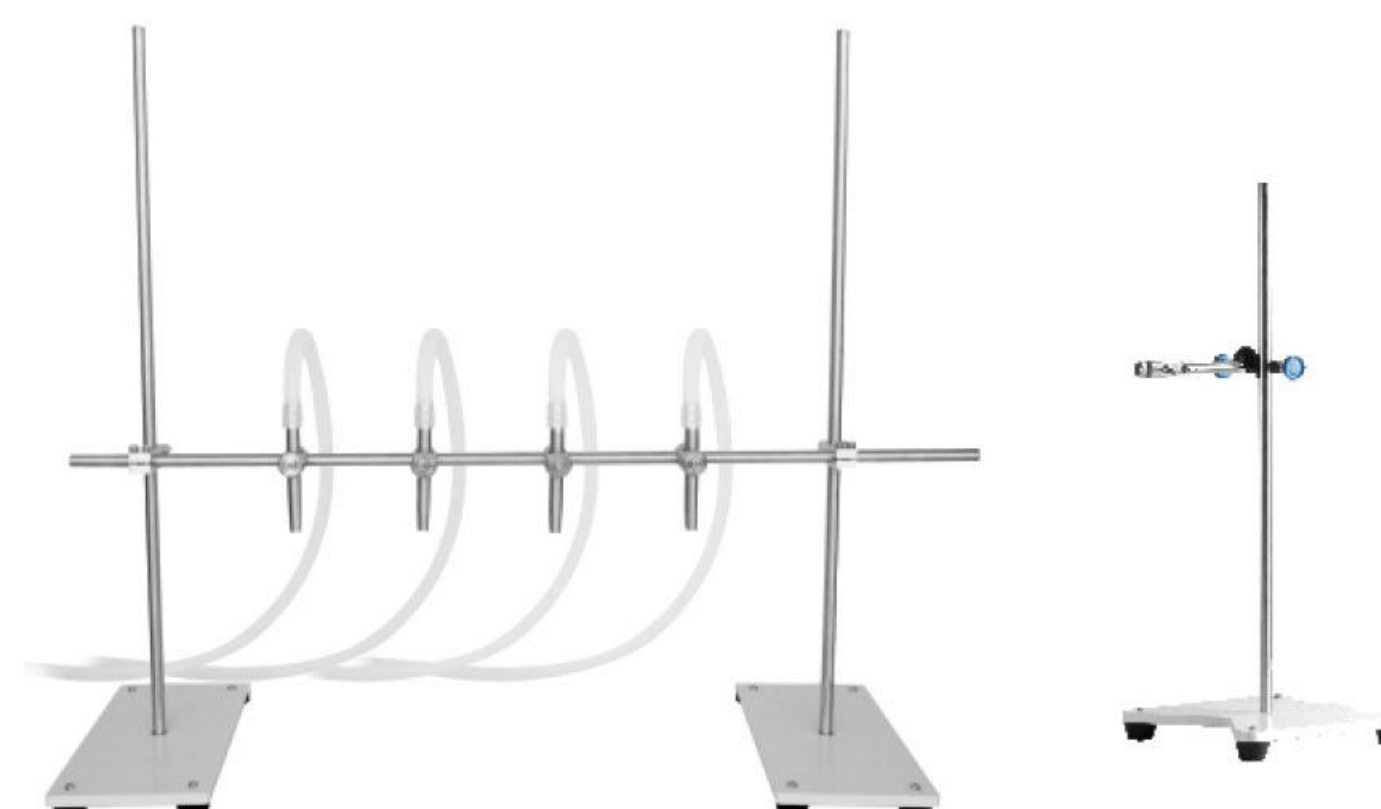
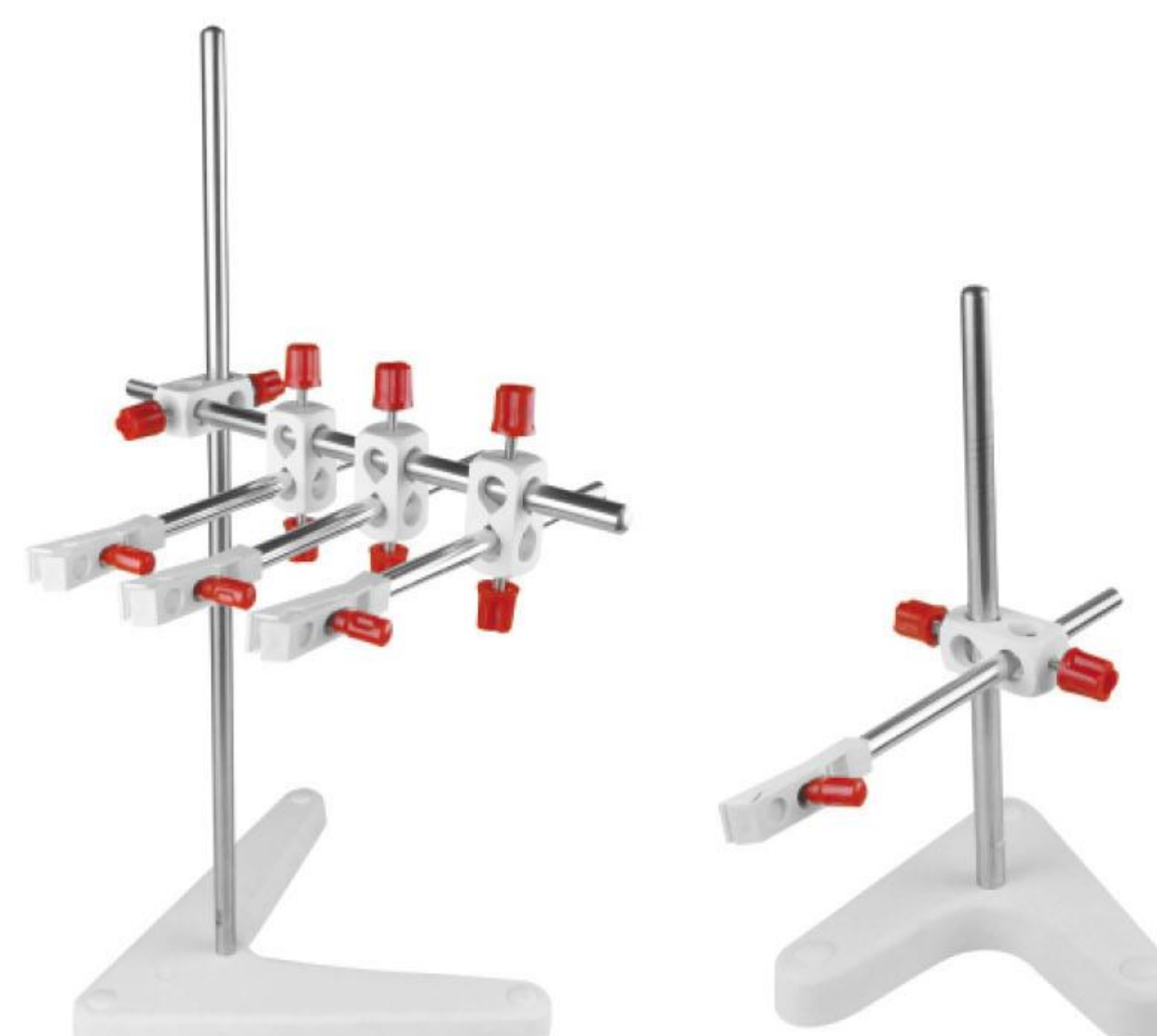
When applied in the dispensing line, it can detect whether there is filling bottle in the production line. When the bottle approach the sensor side, the switch action will be made without any mechanical contact or pressure, thereby providing filling control order to the pump. In the same way, when no filling bottle is detected, the stop filling control order is provided to the pump.

J Benchtop Tubing Cutter



Stainless steel blade, makes right-angle cuts in several sizes of plastic tubing.

K Support Stand



The multiple filling stand is suitable for more than 2 channels filling. It can hold 2-8 filling nozzles. We can customize the suitable one according to your request.

Peristaltic Pump Tubing

Silicone Tubing

- | Platinum–Cured Silicone Tubing
- | Slightly clarity, smooth surface, low protein binding levels, fewer potential leachable .
- | Ideal for pharmaceutical and biotechnology use, suitable temperature range –51~238 °C.

Micro Flow Rate Tubing											
Tubing Size		0.13×0.86	0.5×0.86	0.86×0.86	1.52×0.86	2.06×0.86	2.79×0.86	1×1	2×1	3×1	2.4×0.8
Tubing cross sections (1:1)											
Wall thickness (mm)		0.86						1.0		0.8	
Inside diameter (mm)		0.13	0.5	0.86	1.52	2.06	2.79	1.0	2.0	3.0	2.4
Maximum pressure (Mpa)	Continuous	0.1									
	Intermittent	0.1									

Basic Flow Rate Tubing												
Tubing Size		13 [#]	14 [#]	19 [#]	16 [#]	25 [#]	17 [#]	18 [#]	15 [#]	24 [#]	35 [#]	36 [#]
Tubing cross sections (1:1)												
Wall thickness	mm	1.6							2.4			
	inch	1/16							3/32			
Inside diameter	mm	0.8	1.6	2.4	3.2	4.8	6.4	7.9	4.8	6.4	7.9	9.6
	inch	1/32	1/16	3/32	1/8	3/16	1/4	5/16	3/16	1/4	5/16	3/8
Maximum pressure (Mpa)	Continuous	0.17				0.14	0.1	0.07	0.17		0.14	
	Intermittent	0.27				0.24	0.14	0.1	0.27		0.24	

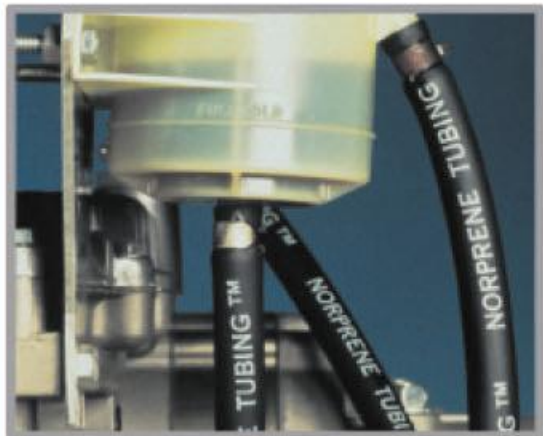
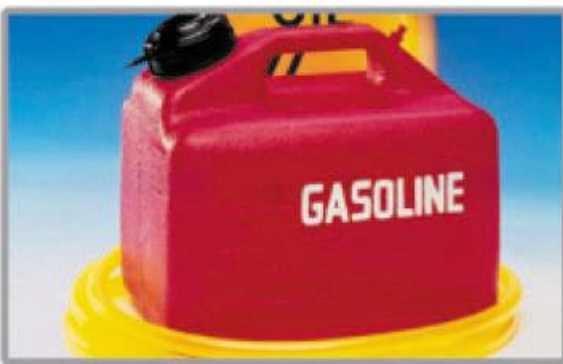
Industrial Tubing								
Tubing Size		26 [#]	73 [#]	82 [#]	86 [#]	90 [#]	88 [#]	92 [#]
Tubing cross sections (1:1)								
Wall thickness	mm	3.3			6.4		4.8	
	inch	1/8			1/4		3/16	
Inside diameter	mm	6.4	9.6	12.7	9.5	19	12.7	25.4
	inch	1/4	3/8	1/2	3/8	3/4	1/2	1
Maximum pressure (Mpa)	Continuous	0.2			0.25			
	Intermittent	0.27			0.3			

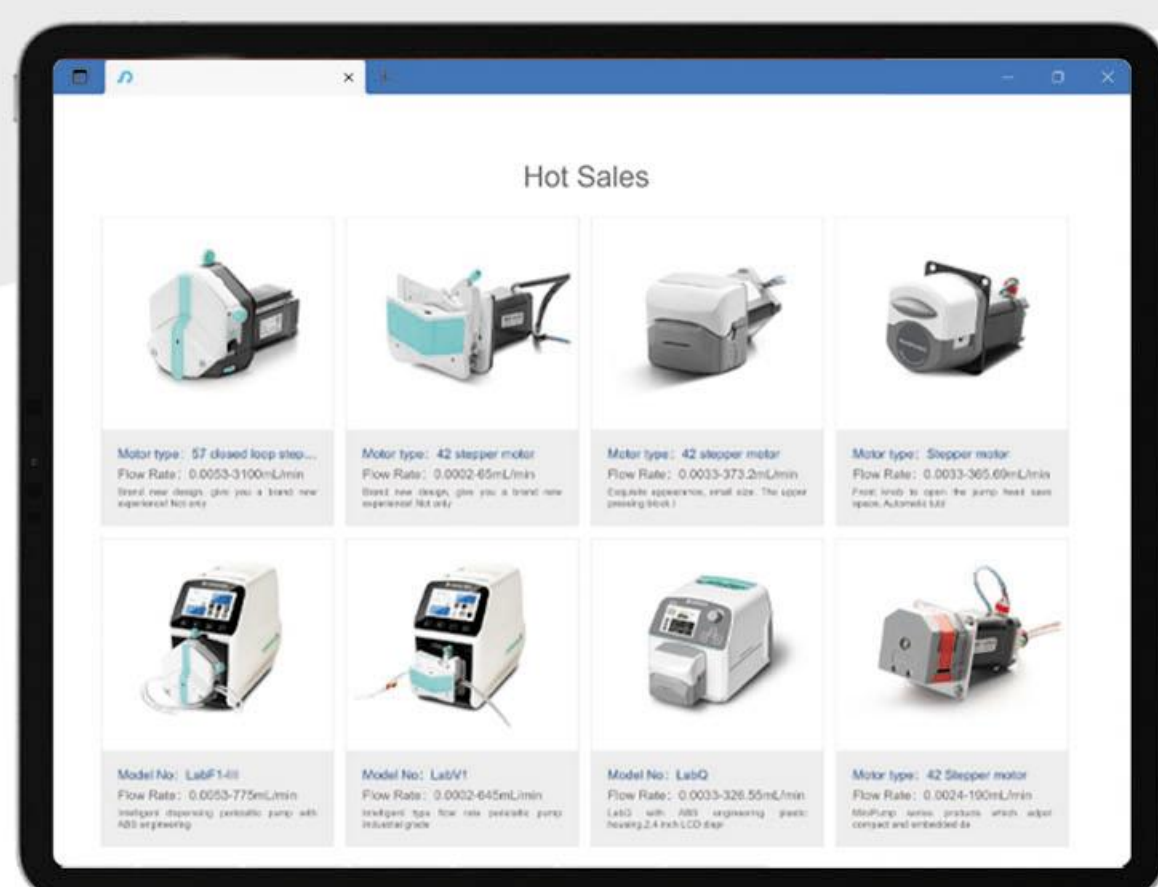
Peristaltic Pump Tubing

SAINT-GOBAIN Tubing: Tygon, PharMed BPT, Norprene etc

	A Tygon3350	B Tygon E-3603	C Norprene Chemical	D PharMed	E Norprene A-60-F
					
Formulation	Tygon3350	Tygon R-3603	Norprene Chemical	PharMed	Norprene A-60-F
Application	Pharmaceutical, cosmetic, medical and auto-analysis application.	General laboratory, food & beverage, biopharmaceutical, analytical instruments.	Excellent for chemical processing and general industrial applications. Food and beverage applications where extractables are a concern.	Cell and tissue culture work and pharmaceutical uses. Also good for light-sensitive samples.	Ideal for the food, dairy and beverage.
Advantages	Ultra-smooth; minimizes bacterial growth. Good for mild to medium concentration bases, salts and alcohols; odorless, tasteless, and nontoxic. Transparent.	Inexpensive tubing for general lab application. Nonaging, nonoxidizing. Clear for easy flow monitoring. Handles virtually all inorganic chemicals. Low gas permeability. Smooth bore; good for viscous fluids. High dielectric constant.	Norprene thermoplastic elastomer outer jacket with chemically inert Tygon® 2075 inner bore for excellent chemical resistance. Plasticizer-free to guard against extractables. Long flex life. Opaque beige.	Great for tissue and cell work-nontoxic and nonhemolytic; long service life minimizes risk of fluid exposure; reduces tubing costs and pump downtime. Opaque to UV and visible light to protect light-sensitive fluids. Heat sealable, bondable, and formable. Extremely low gas permeability.	Heat, ozone, and UV light resistant. Nonaging; nonoxidizing; superior acid and alkali resistance. Opaque beige.
Application Suitability	_____	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE GOOD VACUUM GOOD VISCOUS FLUIDS EXCELLENT STERILE FLUIDS GOOD	_____	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE GOOD VACUUM EXCELLENT VISCOUS FLUIDS GOOD STERILE FLUIDS EXCELLENT	_____
Physical characteristics	_____	Thermoplastic. PVC-based material with plasticizer. Firm (stiff) material. Transparent, clear.	_____	Thermoplastic elastomer. Polypropylene-based material with USP mineral oil. Excellent tensile strength. Firm (stiff) material. Opaque, beige.	_____
Temp. range	-75 to 450° F (-60~232° C)	-58 to 165° F (-50~74° C)	-76 to 165° F (-60~74° C)	-60 to 270° F (-59~135° C)	-60 to 275° F (-51~135° C)
Meets classifications	FDA 21 CFR 177.2600 USP Class VI EP 3.1.9. Exceeds 3A standards Manufactured according to GMP.	FDA 21 CFR 175.300	None.	None.	FDA 21 CFR 177.2600 NSF listed (Standard 51) Manufactured according to GMP.
Cleaning/ Sterilization	Ethylene oxide gamma irradiation, or autoclave for 30 min, 15psi (1 bar).	Unaffected by commercial sanitizers (with recommended procedures). Sterilize with ethylene oxide (ETO) or autoclave. To autoclave: Coil loosely in nonlinting cloth or paper, autoclave at 121°C (250°F). 1KG/cm ³ (15psi) for 30 minutes (tubing will appear milky); air dry at max 66°C (150°F) for 2 to 2 ½ hours until clear.	Sterilize with ethylene oxide (ETO), autoclave or gamma irradiation up to 2.5Mrad. Repeated autoclaving will not affect overall life.	Autoclave, ethylene oxide, or gamma irradiation.	Autoclave.

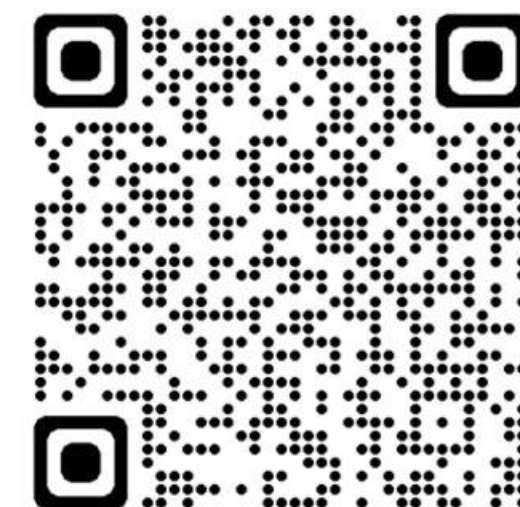
Peristaltic Pump Tubing

	F Norprene A-60-G 	G Tygon F-4040-A 	H Tygon LFL 	I TYGON 2475 	K Viton 
Formulation	Norprene A-60-G	Tygon F-4040-A	Tygon LFL	TYGON 2475	Viton
Application	For applications requiring excellent chemical, heat, ozone, and ultra-violet (UV) light resistance.	Fuels and industrial lubricants-gasoline, kerosene, heating oils, cutting compounds, and glycol-based coolants. Resists most hydrocarbons.	General laboratory use, provides longer life with peristaltic tubing pumps.	Sensitive fluid transfer applications requiring high purity.	Acid and solvent transfer, high-temperature.
Advantages	Best choice for vacuum/pressure applications. Offers longest life with good flow consistency. Heat and ambient ozone resistant. Good resistance to acids/alkalies. Black color hides dirt and dust. Heat sealable, nonaging, and nonoxidizing. High dielectric constant.	Resists embrittlement and swelling, ozone-and UV-resistant, with low-extractability. Translucent yellow.	Longest life of all Tygon® peristaltic tubing (1000hrs). Nonaging, nonoxidizing. Clear for easy flow monitoring. Broad chemical resistance; low gas permeability. Smooth bore. Good for viscous fluids. High dielectric constant.	Plasticizer free, smooth inner surface (inhibits particulate buildup and bacterial growth), safely disposed of through incineration and nontoxic. Transparent.	The most chemical resistant tubing. Resistant to corrosives, solvents, and oils at elevated temperatures. Low gas permeability.
Application Suitability	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE EXCELLENT VACUUM EXCELLENT VISCOUS FLUIDS EXCELLENT STERILE FLUIDS NO	_____	ACIDS GOOD ALKALIES GOOD ORGANIC SOLVENTS NO PRESSURE GOOD VACUUM GOOD VISCOUS FLUIDS EXCELLENT STERILE FLUIDS POOR	_____	ACIDS EXCELLENT ALKALIES EXCELLENT ORGANIC SOLVENTS EXCELLENT PRESSURE GOOD VACUUM GOOD VISCOUS FLUIDS GOOD STERILE FLUIDS FAIR
Physical characteristics	Thermoplastic elastomer. Polypropylene-based material with USP mineral oil. Excellent tensile strength. Firm (stiff) material. Opaque, black. Manufactured according to GMP.	_____	Thermoplastic. PVC-based material with plasticizer. Firm (stiff) material. Transparent, clear.	_____	Thermal set rubber. Viton B (67% fluorine) Firm (stiff) material Opaque, black. Manufactured according to GMP.
Temp. range	-60 to 270° F (-59~135° C)	-35 to 165° F (-37~74° C)	-58 to 165° F (-50~74° C)	-94 to 125° F (-70~52° C)	-25 to 400° F (-32~205° C)
Meets classifications	None.	Meets NSF-51 and 3A sanitary standards.	USP Class VI, FDA 21 CFR 175.300	FDA 21 CFR 177.1520, USP 23 Class VI, Manufactured according to GMP.	None.
Cleaning/ Sterilization	Sterilize by autoclave only.	Not recommended.	Sterilize by ETO/autoclave. Coil loosely in nonlinting cloth or paper; autoclave at 250°F(121°C), 15 psi (1kg/cm²), 30 minutes (tubing will appear milky); air dry at max 150°F (66°C) for 2 to 2 ½ hrs until clear.	Ethylene oxide or gamma irradiation.	Sterilization is not recommended.



Official Website:
www.innofluid.com

2026



OFFICIAL WEBSITE

Innofluid Co.,Ltd.

Building 10, No. 860, Xinyang Road, Lingang New Area
Pilot Free Trade Zone, Shanghai, China.

Website: www.innofluid.com

Email: info@innofluid.com