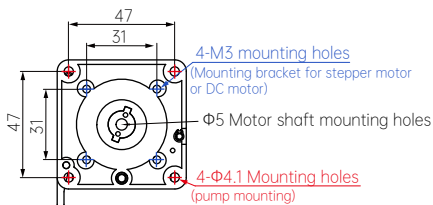
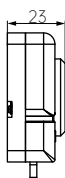
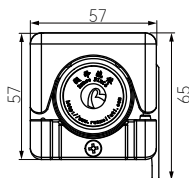


Notice for RZ1030-4 Pump Head

Specification(unit: mm)



4 rotors pump head

Installation on stepper motor

Steps:

1. Disassemble the pump head into A, B, C modules: A module is the rotor, use the metric M2 hexagonal wrench to disassemble the rotor lock in the middle of rotor counterclockwise; use the cross to disassemble B module; C module is the pump head base.
2. After the C module and motor are connected and screwed, insert the A module into the motor shaft as shown in Figure 2, making sure that the base of the A module and the base of the C module are in the same plane, and then locking the rotor lock clockwise.
3. At last, install the B module, the pump head installation is complete.



Figure 1

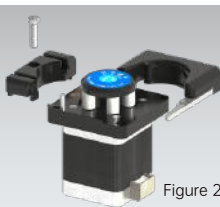


Figure 2



Figure 3

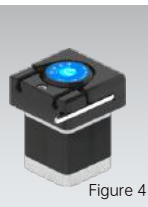
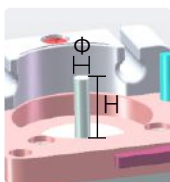


Figure 4

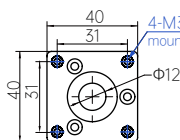


Notice:

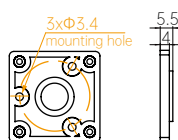
Stepper Motor
 motor shaft length $H=15\sim23\text{mm}$
 shaft diameter $\Phi=5\text{mm}$

DC Motor
 motor shaft length $H=15\sim23\text{mm}$
 shaft diameter $\Phi=6\text{mm}$

DC motor mounting bracket dimensions (unit: mm)



Front (mounting pump head)



Back (mounting motor)



Side

Installation on pump tube



Common Maintenance

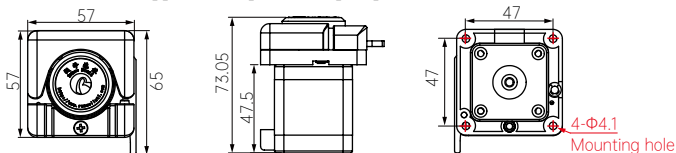
- ◆ Please Lubricate before use for proper rotation of the peristaltic pump; Pump head tube: 9.7 cm
- ◆ Regular maintenance of the tube: when not in use for a long time, please empty the liquid in the peristaltic pump tube in time, and open the peristaltic pump protection lock and loosen the peristaltic pump tube.
- ◆ Regularly check the tube connectors: regularly check for looseness or breakage

Stepper motor peristaltic pump

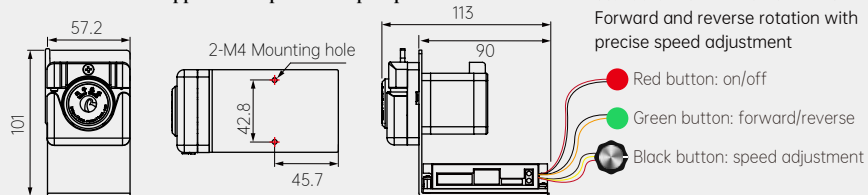
BJ-RZ1030-4
TS500-RZ1030-4

Specification(unit: mm)

BJ-RZ1030-4: Stepper motor peristaltic pump



TS500-RZ1030-4: Stepper motor peristaltic pump + Bracket + Driver



Technical Parameters

Technical Parameters			NMB 42 stepper motor·Parameter				Motor Wire Phase Table	
Product Type	BJ-RZ1030-4	TS500-RZ1030-4	Max. power	10.1W	Resistance	4.2Ω±0.42	Definition	Colour
Speed	≤400rpm	1~400rpm	Step angle	1.8°	Inductance	5.2mH REF	A+	Orange
Net Weight	424g	700g	Phase	2	Insulation	100m Ω MIN	A-	Blue
Working Environment	Temp. 0~40°C; Humidity < 80%		Phase volt	4.6V	Temp.	85°C MAX	B+	Red
Max.DB	70dB		Phase current	1.1A	Insulation grade	B	B-	Yellow

Suitable pump hose and reference flow rate

Suitable pump hose	Rubber Tube														Silicone tube		
WT (mm)	0.8														1.0		
ID (mm)	0.64	0.76	0.89	1.02	1.14	1.30	1.42	1.52	1.65	1.85	2.06	2.29	2.54	2.79	1.0	2.0	3.0
BJ-RZ1030-4 (ml/min)	12.5	17.3	22	28.2	33.4	42.5	51.9	59.4	72.2	89	101.9	112.6	137.6	146.9	26.1	105	170
TS500-RZ1030-4 (ml/min)																	

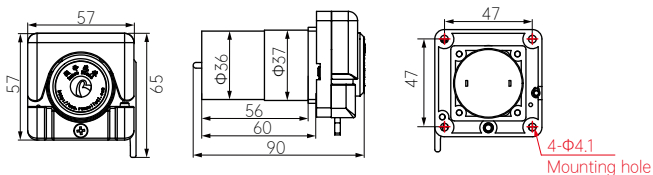
Note: 1, BJ-RZ1030-4、TS500 is the maximum reference flow rate at 400rpm

2, the above test data at room temperature 20 °C, pure water, no pressure conditions measured flow, the above data is for reference only

DC motor peristaltic pump

ZL12(24)-RZ1030-4

Specification(unit: mm)



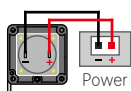
Technical Parameters

Technical Parameters		
Product Model	ZL12-RZ1030-4	ZL24-RZ1030-4
Motor	DC motor	
Motor voltage	12V	24V
Rated current	0.04~0.2A	
Operating power	15W	
Rotation speed option	100/200/300rpm	
Weight	429g	427g
Working environment	Temp. 0~40℃; Humidity < 80%	
Max.DB	75dB	

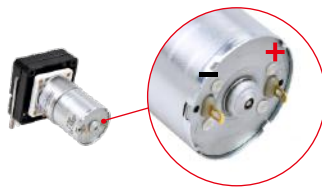
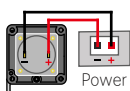
Notice

- There are two pieces of metal protruding from the end of the DC motor, next to which engraved '+' and '-' .
- When the "+" and power "+" pole connected to the "-" and power "-" connected, forward rotation (clockwise)
- When the "+" and power "-" pole is connected, "-" and power "+" connected, reverses rotation (counterclockwise).

Forward



Reserve



Suitable pump hose and reference flow rate

Suitable pump hose	Rubber Tube														Silicone tube		
	0.8														1.0		
WT (mm)																	
ID (mm)	0.64	0.76	0.89	1.02	1.14	1.30	1.42	1.52	1.65	1.85	2.06	2.29	2.54	2.79	1.0	2.0	3.0
ZL12-RZ1030-4 (ml/min)	6	9	10	13	14	22	28	31	37	46	55	58	95	105	15	47	122
ZL24-RZ1030-4 (ml/min)	10	13	16	22	24	32	36	41	46	54	67	96	112	125	23	86	140

Note: 1, ZL12-RZ1030-4, ZL24-RZ1030-4 is the flow rate parameter for 300rpm optional speed

2, the above test data at room temperature 20 °C, pure water, no pressure conditions measured flow, the above data is for reference only