

2017/02



SHENCHEN

We aim to build the world brand of Peristaltic Pump

Shenchen Pump



OCM
customized fluid solution



Exported to
83 countries



PERISTALTIC PUMP

SYRINGE PUMP • GEAR PUMP • PISTON PUMP

Baoding Shenchen Precision Pump Co.,Ltd
Baoding Peristaltic Pump Engineering Technology Research Center



COMPANY



IN 2014-2017

2017

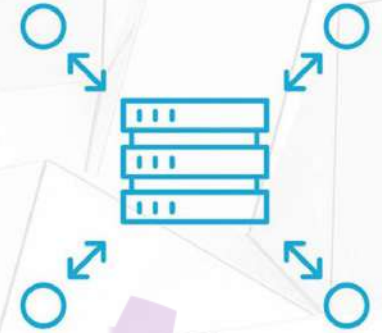
Leading Brand", which can replace imported brand and conform to European standards, and has been exported to 83 countries around the world.



IN 2010-2013

2010

Shenchen upgrade all the products and successfully entered the international market.



IN 2009

2009

Shenchen products continuously fill gaps in the market.

Baoding Shenchen Precision Pump Co., Ltd

Baoding Shenchen Precision Pump Co., Ltd. is a high-tech enterprise, specialized in R&D, manufacturer and sales of peristaltic pump, syringe pump, gear pump and other precision fluid transferring equipment. Also can do OEM product according with customers' different requirements.

Shenchen team is a high-qualified, young and innovative team, have research engineer, application engineer and professional sales and service team. With rich technical force, excellent technological process and outstanding product quality, Shenchen get well corporate reputation from global customers.

Shenchen products are widely used in research laboratory, bio-pharmaceuticals, food & beverage, fine chemical, environment, etc. Our pumps have been exported to Germany, UK, USA, Australia, Russia, in total 83 countries.





SHENCHEN



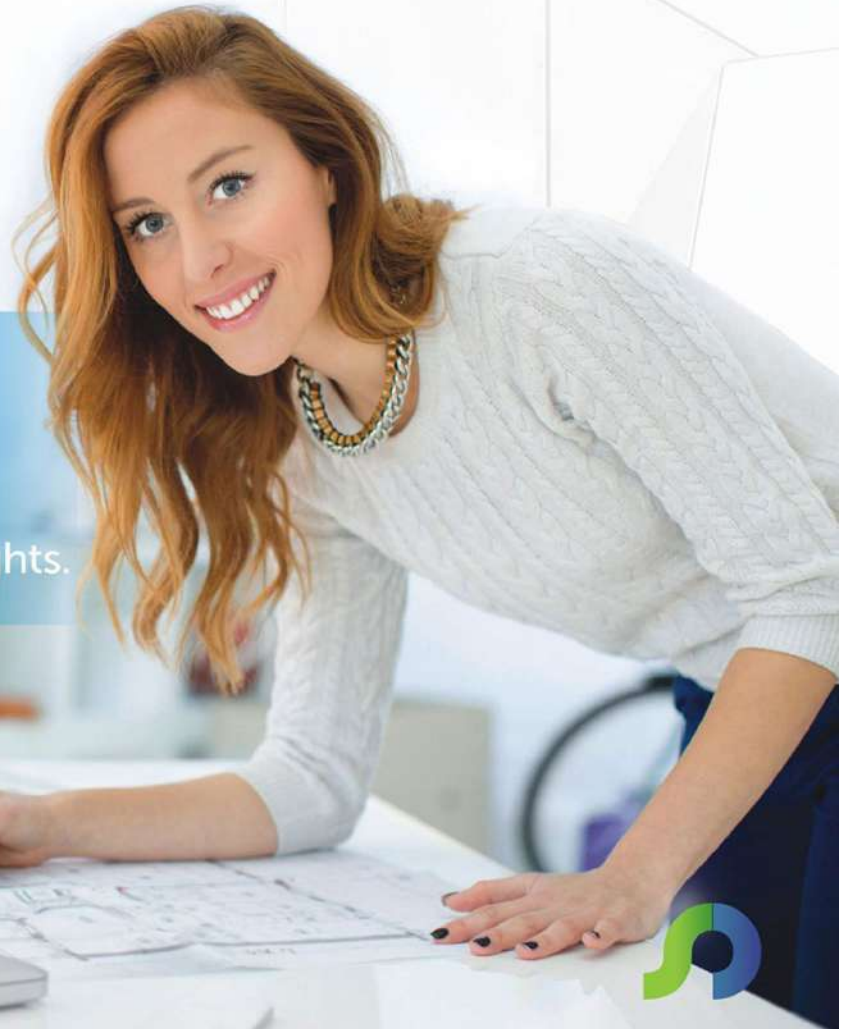
BUILD IN 2006

2006

Innovation—the first producer of easy load pump head with PPS material, solving the technical problem what the PSU material pump head can't bearing corrosion resistance.

- More than 11 years experience.
- R&D engineers take up 35% of company staff.
- 30% of the company's annual profits for R&D funds.
- The first technology research center for peristaltic pump.

- Every year launch 2-3 new series products.
- All products are CE certified.
- 21 patents, 4 software copyrights.

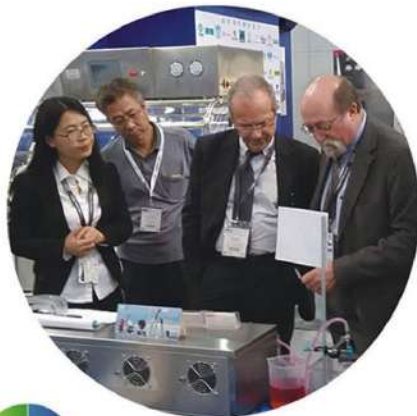
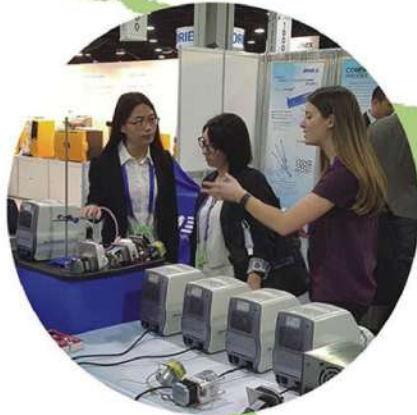




آتور صنعت
ATOORSANAT



EXPORTED
TO
83
COUNTRIES





Pharmaceutical filling



Food & Beverage filling



Waste water treatment



Chromatography



Cosmetic filling



Laboratory chemical dosing



Reagents dispensing



Analytical instrument sampling



MINING AND METALLURGY





Compact Pump Head

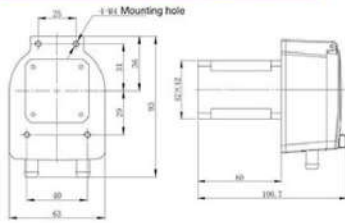
UD15



Connection type installation hose

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

Installation Sizes Drawing(Unit: mm)



Install hose without connector

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

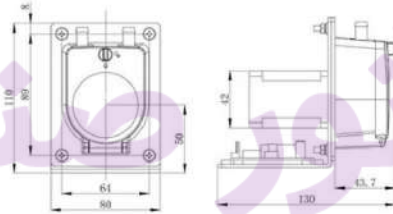
Product Introduction

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	≤350rpm
Max. flow rate	1000mL
Motor type	42 Stepper motor
Motor phase number	2
Motor step angle	1.8°
Motor phase voltage	3V
Motor phase current	3A

OEM-UB04 OEM-UB05

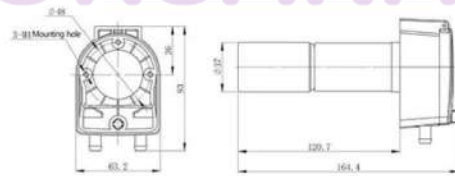
Installation Sizes Drawing(Unit: mm)



Model No.	OEM-UB04	Model No.	OEM-UB05
Speed range	≤350rpm	Speed range	≤350rpm
Max. flow rate	1000mL	Max. flow rate	1000mL
Motor type	42 Stepper motor	Motor type	42 Stepper motor
Speed control	Communication control	Speed control	Potentiometer speed control
Communication interface	RS232,RS485 interface modbus protocol, control start/stop, direction and speed.	External analog signal speed control	0-5V,0-10V, 4-20ma for option
Address setting	1-32	Outer control	Passive switch signal control start/stop and direction
Input voltage	DC 24V	Input voltage	DC 24V
Power	<24W	Power	<24W

OEM-UXZ1*

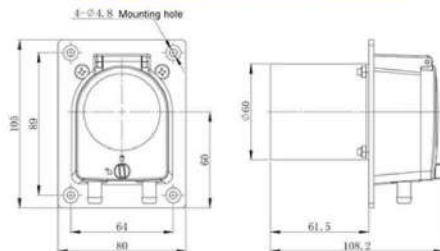
Installation Sizes Drawing(Unit: mm)



Model No.	Speed (rpm)	Power Supply	Motor Type
OEM-UXZ11	60	DC12V/DC24V	φ 37 DC planetary gear motor
OEM-UXZ12	100		
OEM-UXZ13	150		
OEM-UXZ14	200		
OEM-UXZ15	300		
OEM-UXZ16	350		

OEM-UJ0*

Installation Sizes Drawing(Unit: mm)



Model No.	Speed (rpm)	Power Supply	Motor Type
OEM-UD15J01	2.5	AC110V /AC220V	AC synchronous motor
OEM-UD15J02	5		
OEM-UD15J03	10		
OEM-UD15J04	15		
OEM-UD15J05	20		
OEM-UD15J06	30		
OEM-UD15J07	40		
OEM-UD15J08	50		
OEM-UD15J09	60		

Model No.	Housing Material		Tubing		Speed Range(rpm)	Flow Rate (mL/min)	Weight (kg)
	Body	Protective cover	Tubing Sizes	ID×Wall Thickness			
UD15	PES	Transparent PC	16"	3.1×1.6(mm)	0.1~350	0.08~280	0.12
			25"	4.8×1.6(mm)		0.16~580	
			17"	6.4×1.6(mm)		0.30~1000	





Compact Pump Head

MiniPump Series



Connection type installation hose

Standard fast plug, convenient for external connection with different materials of the tube, **flexible application, cost saving.**

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.

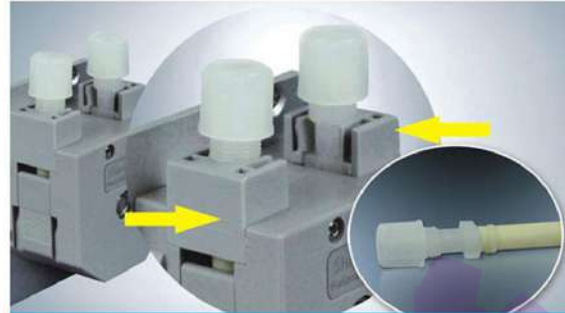


D. Press the compression block into the pump head, and ensure it fixed.



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

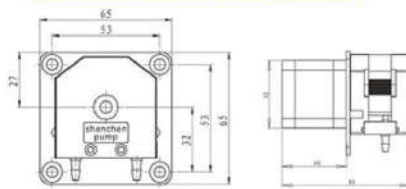
- | Discharge condensate water in the flue gases survey meter.
- | Support biochemistry analytical instruments.



OEM-B01



Installation Sizes Drawing(Unit: mm)

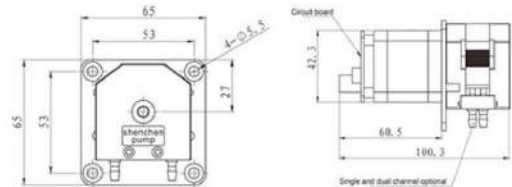


Speed range	≤300 rpm
Max flow rate	190mL/min
Motor type	42 stepper motor
Motor phase number	2
Motor step angle	1.8
Motor phase voltage	2.2V
Motor phase current	1.0A

OEM-B02, OEM-B03



Installation Sizes Drawing(Unit: mm)

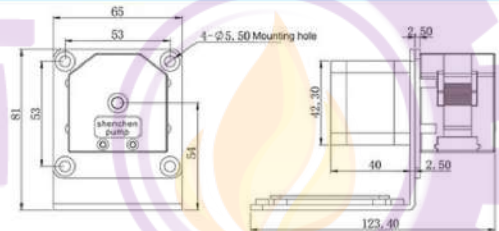


OEM-B02 Technical Specification		OEM-B022 Technical Specification		OEM-B03 Technical Specification	
Speed range	0.1-300 rpm	Speed range	0.1-300 rpm	Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min	Flow rate range	0.0024-190mL/min	Flow rate range	0.0024-190mL/min
Speed control	Preset speed or serial port control	Speed control	Adjust speed by internal potentiometer	Speed control	External input pulse frequency speed control
Subdivision settings	1/16	Subdivision settings	1/16	Multiple segments	1/16(recommend), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128
Motor type	42 stepper motor	Motor type	42 stepper motor	Motor type	42 stepper motor
Input voltage	DC 24V	Input voltage	DC 24V	Input voltage	DC 24V
Power	< 24W	Power	< 24W	Power	< 24W

OEM-B013, OEM-B014



Installation Sizes Drawing(Unit: mm)

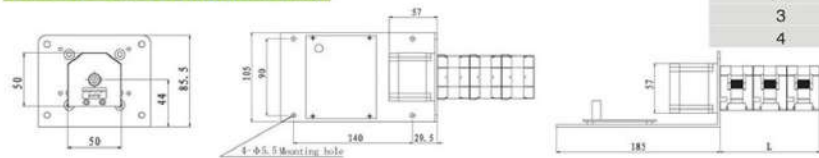


OEM-B013 Technical Specifications		OEM-B014 Technical Specifications	
Speed range	0.1-300rpm	Speed range	0.1-300rpm
Flow rate range	0.0024-190ml/min	Flow rate range	0.12-190ml/min
Communication interface	RS232, RS485 interface modbus protocol, control start/stop, direction and speed	Speed control	Potentiometer speed regulation
Address setting	1-32	External analog signal control	0-5V, 0-10V, 4-20mA 3 analog signal for option
Motor type	42 stepper motor	External control	Start/stop, direction (external passive signal control)
Input voltage	DC 24V	Motor type	42 stepper motor
Power	< 30W	Input voltage	DC 24V
		Power	< 30W

OEM-B136, OEM-B137



Installation Sizes Drawing(Unit: mm)



Pump Head NO.	L
2	75.6
3	113.4
4	151.2

OEM-B136 Technical Specifications		OEM-B137 Technical Specifications	
Speed range	0.1-300 rpm	Speed range	0.1-300 rpm
Flow rate range	0.0024-190mL/min	Flow rate range	0.0024-190mL/min
Speed control	Preset speed and manual control	Speed control	Pulse frequency speed control
Control mode	External passive signal level (normally closed or open) mode; control the start/stop of direction	Logic input voltage	5V, 12V, 24V(default 5V)
Display(optional)	0.96" OLED screen	Multiple segments	1/16(recommend), 1, 1/2, 1/4, 1/8, 1/32, 1/64, 1/128
Motor type	57 stepper motor	Motor type	57 stepper motor
Input voltage	DC 24V	Input voltage	DC 24V
Power	< 60W	Power	< 60W

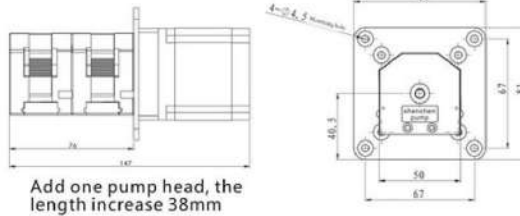




OEM-B126



Installation Sizes Drawing(Unit: mm)

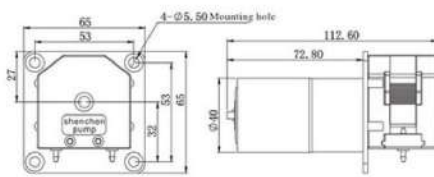


Speed range	≤300 rpm
Max flow rate	190mL/min
Pump head	MiniPump-N
Motor type	57 stepper motor
Motor phase number	2
Motor step angle	1.8
Motor phase voltage	3.75V
Motor phase current	3.0A

OEM-MZ Serie



Installation Sizes Drawing(Unit: mm)

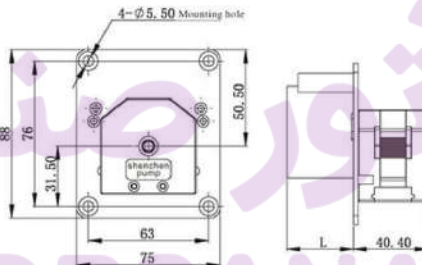


Model No.	Rotation Speed (rpm)	Power Supply	Motor Type
OEM-MZ01	170	DC 12V or DC 24V	37 DC Motor
OEM-MZ11	5		
OEM-MZ12	10		
OEM-MZ13	15		
OEM-MZ14	20		
OEM-MZ15	30		
OEM-MZ16	50		
OEM-MZ17	100		
OEM-MZ18	160		
OEM-MZ19	167		
OEM-MZ20	278		

OEM-MJ Serie



Installation Sizes Drawing(Unit: mm)



turn direction	L
single direction	18.7
double direction	36

Model No.	Rotation Speed (rpm)	Direction of rotation	Power Supply	Motor Type
OEM-MJ101	2.5/3	Unidirectional	AC 110V or AC 220V	AC Motor
OEM-MJ102	4/5			
OEM-MJ103	5/6			
OEM-MJ201	4.2/5	Bidirectional		
OEM-MJ202	5/6			
OEM-MJ203	11.7/14			

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

Motor Speed (rpm)	Dual Channel Flow Rate (mL/min) and Tubing (1 mm wall thickness)			
	ID 1mm	ID 2mm	ID 2.5mm	ID 3mm
5	0.25	0.90	1.28	1.78
10	0.49	1.84	2.59	3.52
15	0.74	2.76	3.85	5.30
25	1.25	4.57	6.43	8.80
40	2.00	7.31	10.25	14.02
50	2.52	9.14	12.78	17.47
75	3.76	13.64	19.04	26.12
100	5.03	18.17	25.42	35.34
200	10.12	36.45	51.27	71.44
250	12.63	45.75	64.34	88.35
300	15.01	54.63	76.84	108.39

Motor Speed (rpm)	Single Channel Flow Rate (mL/min) and Tubing (1.6 mm wall thickness)			
	13" ID 0.8mm	14" ID 1.6mm	16" ID 3.1mm	25" ID 4.8mm
5	0.12	0.56	1.97	3.26
10	0.26	1.15	3.90	6.41
15	0.39	1.74	5.80	9.52
25	0.66	2.88	9.59	15.74
40	1.08	4.59	15.29	25.15
50	1.34	5.69	18.96	31.14
75	2.00	8.54	28.36	46.55
100	2.73	11.37	37.66	61.98
200	5.46	22.76	76.02	124.14
250	6.81	28.40	95.08	153.63
300	8.28	33.88	114.31	190.00



آتور صنعت

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 **SHENCHEN**

Baoding Shenchen Precision Pump Co.,Ltd

Add: No.103,Building 2, Zhidian Industrial Park,
Fuxing East Road 999, Baoding,China.

Tel: 0086-312-6780680 6780681

Fax: 0086-312-6780636

Email: info@good-pump.com

Website: www.good-pump.com