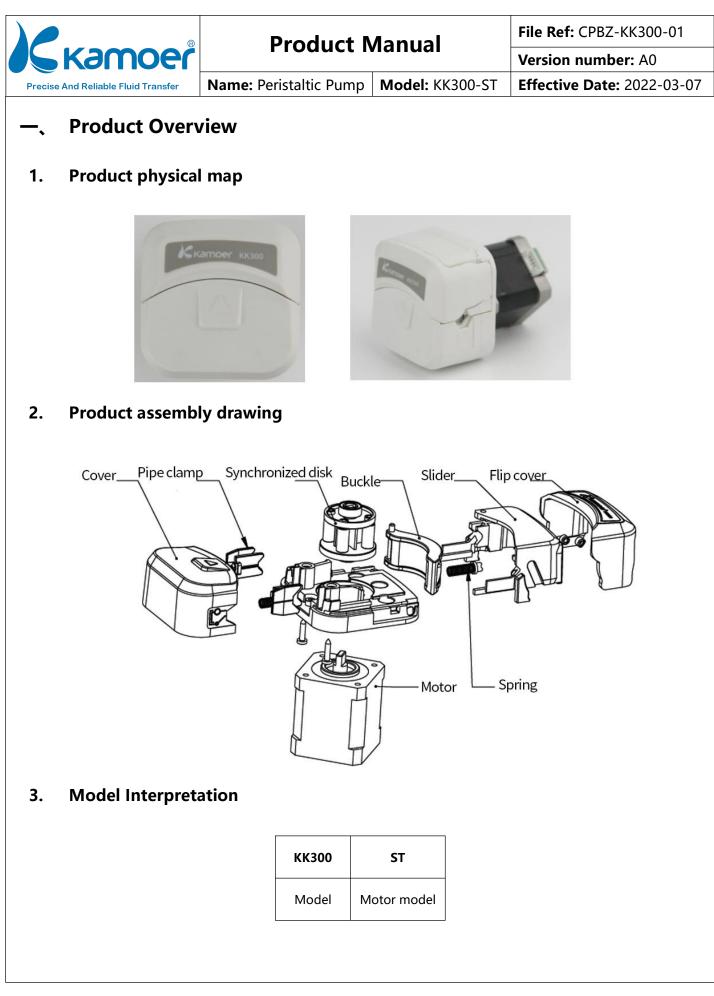


Product Manual

Kamoer Fluid Tech(Shanghai)Co., Ltd.

Version: A / 0

Product name	Micro peristaltic pump				
Product number	КК300				
Execution date	2022.02.28				
Manufacturing unit	Kamoer Fluid Tech(Shanghai) Co., Ltd.				







Model: KK300-ST

File Ref: CPBZ-KK300-01

Effective Date: 2022-03-07

Version number: A0

3.1 Pump head material

Pump head model	Pump cover	Base	Rotor	Synchronized disk	
КК300	Polymer Modified Materials	Polymer Modified Materials	PET	Polymer Modified Materials	

4. Performance characteristics, typical applications

4.1 Performance characteristics

- Easy to operate, can quickly replace the pump tube;
- PET rotor, deep groove bearing drive long life, imported engineering plastic body;
- High precision, low noise, simple structure, maintenance-free;
- Two pipe clamp positions, which can accommodate 0.8~4.8mm inner diameter silicone tube and 0.8-3.2mm

inner diameter BPT tube;

- maximum speed of continuous operation is 400rpm; the flow rate can reach 330ml /min,
- The maximum speed of intermittent operation is 600rpm; the flow rate can reach 485 ml/min;

4.2 Typical applications

5.

Analytical instruments: ion chromatograph, five-category blood analyzer, hypochlorous acid water generator

Detergent delivery: automatic car washing machine









Ion Chromatograph

Automatic car washing machine

Five classification blood analyzer

Hypochlorous acid water generator

CN217481507U

Intellectual property



CN307511735S

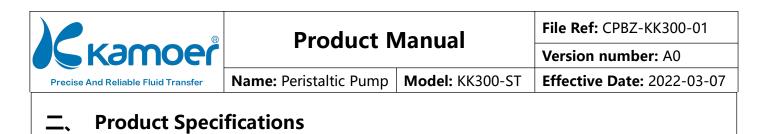


RoHS



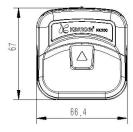


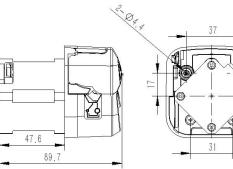
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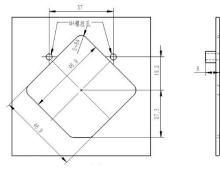


KK300 stepper motor product specification

Product Size 1.





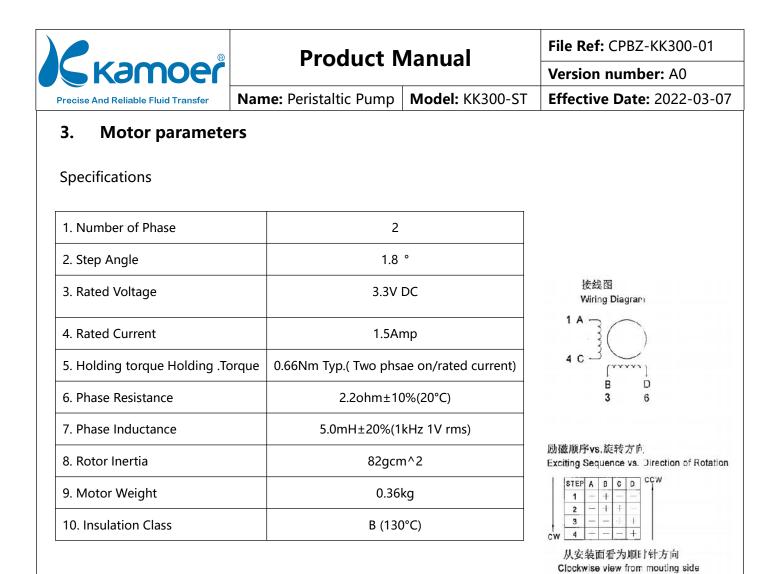


Mounting plate cutout

Technical parameters 2.

Items						Technica	l parame	ters			
	Motor type	Stepper motor									
	Flow range	1- 485 ml/min									
Bas	Noise	≤75dB									
sic p	Power	20W									
ara	Control method Stepper driver										
Basic parameters	Weight		About 483 g								
Rated voltage							24V				
	Pump tube life		S: 200h BPT: 1000h								
	Motor life		6000h								
		Reference flow (unit: ml/min)									
Pu	Pump tube code	S13	S14	S19	S16	S40	S25	B13	B14	B19	B16
Pump tube flow	Inner diameter × outer diameter (mm)	0.8×4 1.6×4.8 2.4×5.6 3.2×6.4 4×7.2 4.8×8 0.8×4 1.6×4.8 2.4							2.4×5.6	3.2×6.4	
e flo	Pump tube material	Silicone tube						BPT			
W	ml/min 400 rpm	17	50	105	170	235	315	16	54	1 20	190
Precautions	Remark	The above parameters are measured with pure water without pressure at 20°C room temperature and standard atmospheric pressure. Actually, according to different media and different outlet pressures, there will be a certain error in the flow rate. The data is for reference only, and can be customized according to customer needs.									
ions	Reference noise value	In a quiet room with an ambient noise of 35 dB, the product is 50 cm away from the noise tester , running at 400 rpm , and the noise is 65 dB									



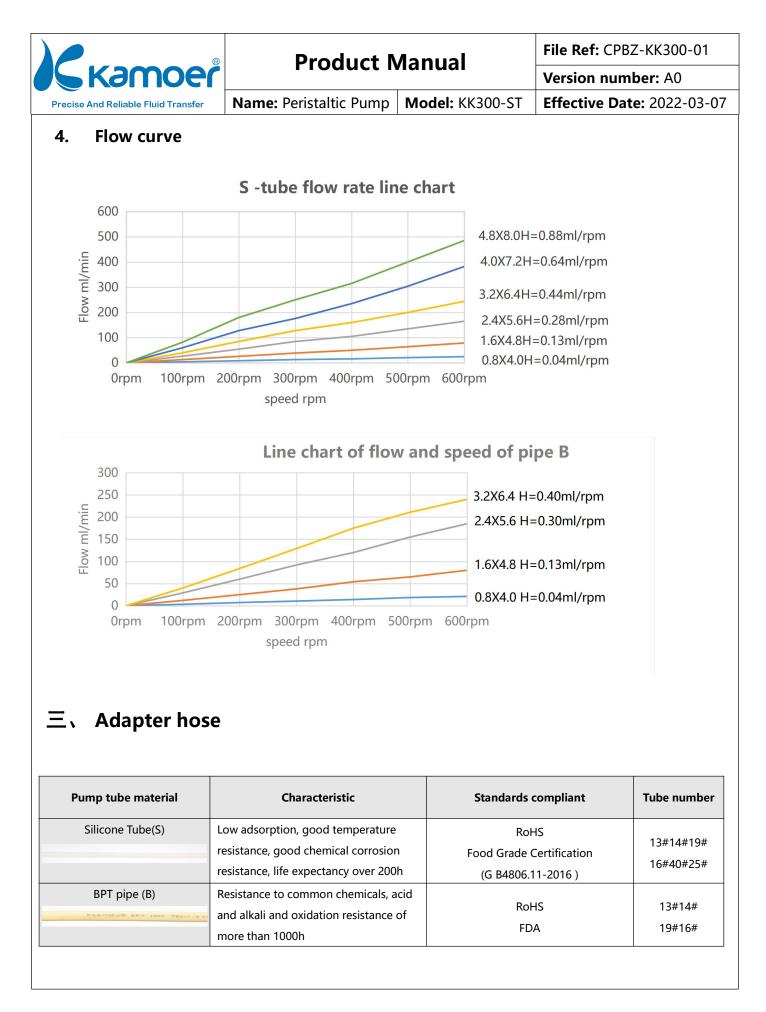


Connector Pin Position vs. Lead Color

PIN No. vs. Lead Wire Color

RHR-6 PIN No.	XHP-4 PIN No.	Color	HOUSING:JST PHR-6 TERMINAL:JST SPH-002T-P0.5S
1	1	Black	HOUSING:JST XHP-4
3	3	Red	
4	2	Green	AWG26 UL3266
6	4	Blue	400±10







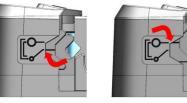


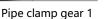
Pipe clamp 四、

Pipe clamp positioning

KK300 can accommodate pump tubes with a wall thickness of 1.6mm and an inner diameter

of 0.8mm~4.8mm





Pipe clamp gear 2

must be used for pump tubes with inner diameters of 0.8 and 1.6 to prevent the pump tube from running away;

must be used for pump tubes with inner diameters of 4 and 4.8 to prevent the flow from being reduced due to over - tightening of the pinch tube ;

For pump tubes with inner diameters of 2.4 and 3.2, any gear can be used, and you can refer to Note 1 and Note 2 to choose which gear according to the actual situation;

Gear adaptation

Aperture symbol Pipe diameter	0.8mm	1.6mm	2.4mm	3.2mm	4mm	4.8mm
0	Be applicable	Be applicable	Be applicable	Be applicable		
0			Be applicable	Be applicable	Be applicable	Be applicable

Pipe clamp switch $\bigcirc \rightarrow \bigcirc$

Before switching the pipe diameter, turn off the pump and open the flip cover to fully open;

Press the pipe clamp to the root by hand, keep the downward force to move the pipe clamp to the second track and release the force;

If the pipe clamp does not slide to the second track, repeat the previous step to ensure that the pipe clamp enters the second track smoothly.



