



Technical Parameters

Model No.	BJ30-RZ1030-4
Roller	POM 4 roller
Pump head	Black ABS engineering plastic (PC+ABS)
Motor type	DC24V NMB Japan 42 Stepper motor
Rated current	1.1A
Rated power	26.4W
Speed range	0-500rpm
Flow rate	0-170ml/min
Peristaltic tube	Silicone / Rubber / Viton
Fittings	Plastic Barbed Fittings
Tubing Size	ID0.64-3mm WT0.8-1mm OD≤5mm
Working environment	0-40°C < 80% relative humidity, non-condensing
Working Max DB	70dB
Net weight	327g

Motor Wire	
A+	Orange
A-	Blue
B+	Red
B-	Yellow
Motor Parameter	
Max power	9.2W

Step angle	1.8°
Phase	2
Phase voltage	4.2V
Phase current	1.1A
Resistance	3.8Ω ±0.38
Inductance	5.2mH REF
Insulation	100mΩ MIN
Temperature limit	80°C MAX
Explosion-proof level	B



1.8° 42 Stepper Motor.pdf

Flow Rate Table (only for reference) (media: water)

Peristaltic Tube	Motor speed (rpm)	Tube size (ID*WT: mm)	BJ-RZ1030-4 Flow rate (ml/min)
Rubber tube	0-500rpm	0.64*0.8	0-13
		0.76*0.8	0-17
		0.89*0.8	0-22
		1.02*0.8	0-28
		1.14*0.8	0-33
		1.30*0.8	0-43
		1.42*0.8	0-52
		1.52*0.8	0-59
		1.65*0.8	0-72
		1.85*0.8	0-89
		2.06*0.8	0-102
		2.29*0.8	0-113
		2.54*0.8	0-128
		2.79*0.8	0-147
Silicon tube		1*1	0-26
		2*1	0-106
		3*1	0-170

Peristaltic Tube

- 1) Silicone tube works for non-corrosive liquid transfer
- 2) Rubber tube works for weak corrosive liquid transfer
- 3) Viton tube works for strong corrosive liquid transfer



Tubing Connection

Standard 10cm peristaltic tube + 2 pieces barbed fittings + external tube

Dimension (unit: mm)



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Control Driver

- 1) Analog control driver with ON/OFF, SPEED, CW/CCW buttons – MC-20A
- 2) PWM control driver – MC-20T
- 3) RS232/RS485/CAN control driver – MC-20C



Packing Info.

Carton Size: 21.5*11.5*15CM

G.W.: 0.75KG



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