

TAKASAGO

Model RP-Q Series Miniature Peristaltic Pump

DC Power, Discharge Flowrates to 3.0 ml/min

DESCRIPTION

Model RP-Q series peristaltic pump is uniquely compact and designed for intermittent duty where 500 hours is considered to be adequate life for the pump.

RP-Q pumps employ unique ring technology whereby a ring affixed to a motorized eccentric acts on the tubing instead of conventional rollers. The result is less stress on the tubing and longer tube life. See below illustration.

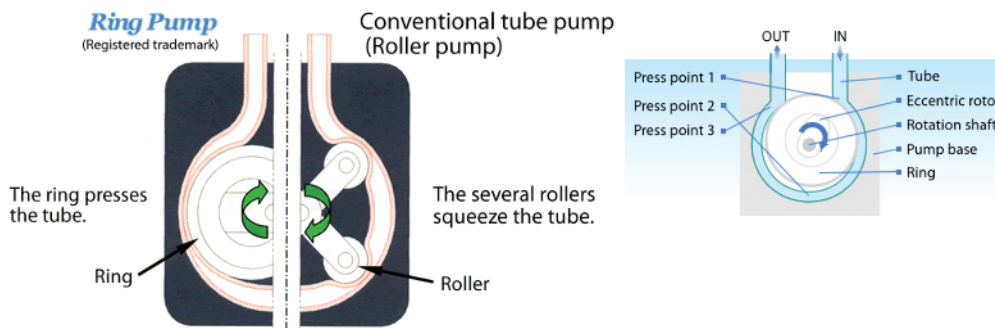
The pumps consume very little power (<0.36 W) and operates on 3 VDC. They can be battery operated.

Two models (QII & QIII) feature a field replaceable pump head.



RP-Q1

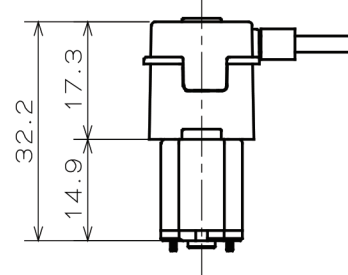
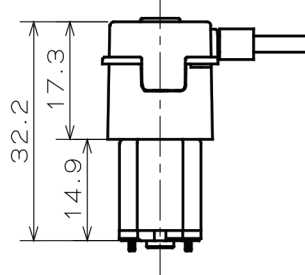
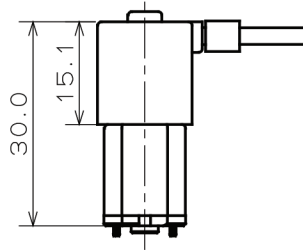
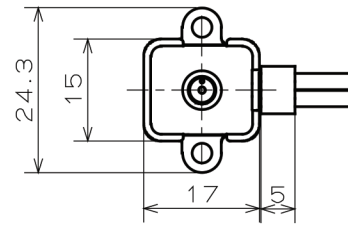
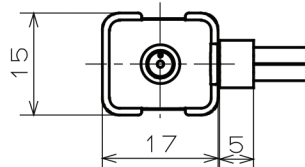
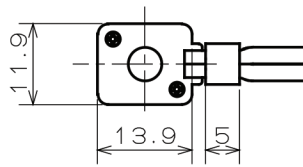
Comparing to a conventional tube pump



SPECIFICATIONS

Series	RP-Q & QX	RP-QII & QIIX	RP-QIII & QIIIX
Motor	DC Geared Motor		
Rated Voltage (VDC)	3		
Power Consumption (W)	<0.36		
Weight (G)	11	13	
Pump Head Replaceable	No	Yes	Yes
Mounting Flange	No (use Mounting Clip)	No (use Mounting Clip)	Yes
Discharge Pressure (kPa)	50		
Tube Material	Silicone (I.D. 1.5 × O.D. 2.5 mm) Norprene® (I.D. 1.2 × O.D. 2.5 mm) SWFT (I.D. 1.2 × O.D. 2.5mm)		

DIMMENSIONS (MM)



RP-Q & QX

RP-QII & QIIX

RP-QIII & QIIIX

ORDERING INFORMATION

Model Number	Discharge Rate* (ml/min)	Tube Material
RP-Q1.5S-P45Z	0.45	Silicone
RP-Q1.2N-P20Z	0.20	Norprene®
RP-Q1.2C-P20Z	0.20	SWFT
RP-QX1.5S-1Z	1.10	Silicone
RP-QX1.2N-P50Z	0.50	Norprene®
RP-QX1.2C-P50Z	0.50	SWFT
RP-QII1.5S-P90Z	0.90	Silicone
RP-QII1.2C-P45Z	0.45	SWFT
RP-QIIX1.5S-2P2Z	2.20	Silicone
RP-QIIX1.2C-1P2Z	1.20	SWFT
RP-QIIX1.5S-3A	3.00	Silicone
RP-QIII1.5S-P90Z	0.90	Silicone
RP-QIII1.2C-P45Z	0.45	SWFT
RP-QIIIX1.5S-2P2Z	2.20	Silicone
RP-QIIIX1.2C-1P2Z	1.20	SWFT
RP-QIIIX1.5S-3A	3.00	Silicone