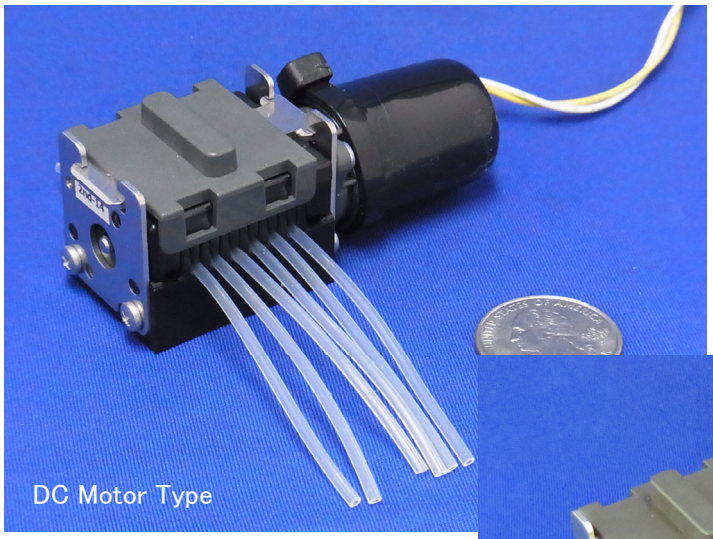
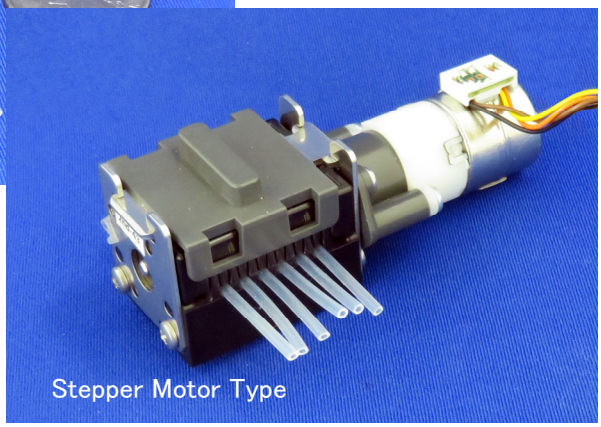
TAKASAGO FLUIDIC SYSTEMS

6-channel Pump





Features

- This product can deliver six separate fluids simultaneously, despite its compact size.
- The tubing is easy to replace.
- A stepper motor model is also available, which can handle flow rates as small as 0.23 µL/min.

Specifications

Motor	DC Motor	2-Phase Bipolar Stepper Motor
Flow Rate *1	830 µL/min	0.23 - 350 µL/min
Tubing Material	Silicone *2	
Tubing Diameter	I.D. 1.0 × O.D. 2.0 mm	
Pump Pressure	30 kPa	
Rated Voltage	3 VDC	- *3
Dimensions	31 × 84 × 32 mm	

Note: *1 Flow rate per tubing.
*2 Tubing is not included. SR1554, φ1×φ2mm (Tigers Polymer Corp.) is recommended.
*3 Stepping motor-driven products have a constant-current drive.
Controllers for stepper motor driven pumps are sold separately.

Details, including specifications, may change without notification.

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- Replace silicone tubing periodically.
  As the silicone tubing wears out, the squeezing pressure decreases and the flow rate decreases. In-house tests, using water, have confirmed that there is no change in flow rate for up to 500 hours*.
  *This is not a guaranteed value.

- Set 6 pieces of silicone tubing even if all 6 channels are not used.
  If the pump is used with 5 or less tubing, the squeezing pressure will not be even and the flow rate will vary.

- Make sure that the tubing retainer piece is securely fastened.
  If the tubing retainer piece is not tightened securely, the tubing will not be squeezed and fluid will not be pumped properly.

- Be aware of the rotating direction of the pump when setting the silicone tubing.
  The pump roller rotates counter clockwise for DC motors and clockwise for stepping motors (as shown below).