

New SmallPumps™ SP400iVC Peristaltic Pumps

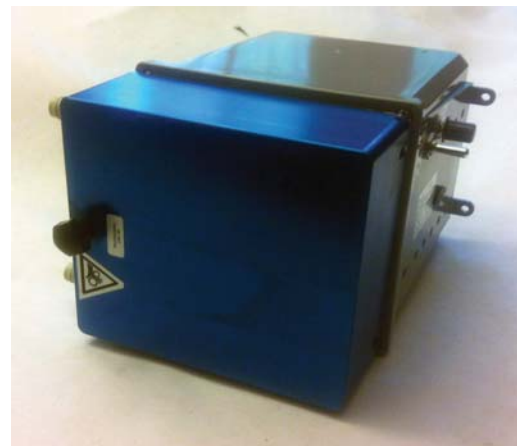
These new compact peristaltic pumps provide variable flow and exceptional pump performance in a small attractive package. Flow rates are available up to 8.8 liters per minute (LPM). Select the model with the type of control that you require. Integrate these pumps into your system for on/off or proportional flow. Stop, Start and Reversing options simplify pump installation and operation.

Select from different motor speeds and a variety of tubing materials. Tygon® A60G tubing offers the longest pump life, Silicone is the softest with higher flow rates. Viton® provides excellent chemical resistance.

These efficient pumps have anodized aluminum housings, stainless steel rotor assembly with two sealed roller-bearing acetal rollers. The rugged PVC plastic housing provides protection for the motor and PCB controls. Silicone and A60G pump systems are supplied with PP fittings. One year warranty.

Installation Note: These pumps are rated for continuous-duty. For long-term applications - Request information on our brushless dc motors.

**Variable-flow
Reversible**



*Compact, variable-flow
SP400iVC pumps with optional
remote control.*

SPECIAL FEATURES

*Fluid only contacts the tubing
Self-priming, run dry without damage
Variable-flow Vdc motors
Pump viscous fluids and slurries
Compact size*

APPLICATIONS

*Chemical metering
Manufacturing
Condensate removal
Maintenance
Printing*

SPECIFICATIONS

	Tygon A60G, Viton	Silicone
Max. Fluid Pressure:	20 psig (1.4 bar)	10 psig (0.7 bar)
Max. Suction Lift:	16-ft (5 m) H ₂ O	10-ft (3 m) H ₂ O
Flow Range:	See ordering table (page 2)	
Accuracy:	±5% full scale	
Repeatability:	±5% full scale	
Remote Control:	optional, varies by model see table	
Max. Fluid Temp.:	93°C (200°F)	
Duty Cycle:	Continuous	
Operating Temp.:	0 to 50°C (32 to 122°F)	
Pumphead:	Anodized Alum, SS, Acetal roller	
Wetted parts:	Silicone, A60G or Viton®	
Power:	12 or 24Vdc	
Dimensions:	220 x 160 x 150 mm (8.7 x 6.3 x 6 in.)	
Weight (pump):	approx 3.2 kg (7 lbs)	
Shipping Wt:	approx 4.1 kg (9 lbs)	

SP400iVC Max Flowrates (LPM)

RPM	Motor		Tubing ID (mm)	
	Vdc	Amps	13	10
240	24	5A	8.8	4.8
200	12	10 A	7.4	4
120*	12	3 A	4.4	2.4
60	12	1.5 A	2.2	1.2

Flow rate listed are nominal and will vary depending upon fluid viscosity and back pressure. Specifications listed are for Tygon A60G (formerly Norprene) tubing. Silicone flow rates are slightly higher. Viton flow rates slightly lower. *Inquire for special motor rpms.

SP400iVC-Tubing Pumps

NA - Not Available at this time

NR - Not Recommended

Control Module Features

Manual flow control, on/off switch

Manual reversible switch (CW/CCW)

V1

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V1R

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SP400iVC Ordering Information – (Flow rates listed are for Tygon A60G tubing; Silicone is slightly higher).

Flow Rate	Tubing			Pump Part No.	
LPM	ID	RPM Range	Tygon® A60G	Silicone	Viton®
12Vdc Pumps - Variable-flow					
0 to 7.4	13 mm (1/2")	0 to 200	SP401iVXX.006	SP400iVXX.006	SP402iVXX.006
0 to 4.0	10 mm (3/8")	0 to 200	SP401iVXX.005	SP400iVXX.005	SP402iVXX.005
0 to 2.2	13 mm (1/2")	0 to 60	SP401iVXX.002	SP400iVXX.002	SP402iVXX.002
0 to 1.2	10 mm (3/8")	0 to 60	SP401iVXX.001	SP400iVXX.001	SP402iVXX.001
24Vdc Pumps - Variable-flow					
0 to 8.8	13 mm (1/2")	0 to 240	SP401iVXX.072	SP400iVXX.072	SP402iVXX.072
0 to 4.8	10 mm (3/8")	0 to 240	SP401iVXX.071	SP400iVXX.071	SP402iVXX.071

Flow rate listed are nominal and will vary depending upon fluid viscosity and back pressure.
Other special tubing options are available on special order. Call for details.

VAC power supply

Convert these compact drives to VAC models with a compact power supply. Add the suffix to the p/n to include the power supply.

-U Power supply, 115Vac, US Std plug.

-E Power supply, 230Vac, Europ. plug.



Specifications subject to change.

*APT Instruments provides no warranty on usage of pumps or life of tube.
Immersion and life tests are recommended prior to use.*

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Tygon Norprene—Reg TM Saint-Gobain Performance Plastics Corp.
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