

New SmallPumps™ SP400VCA Peristaltic Pumps

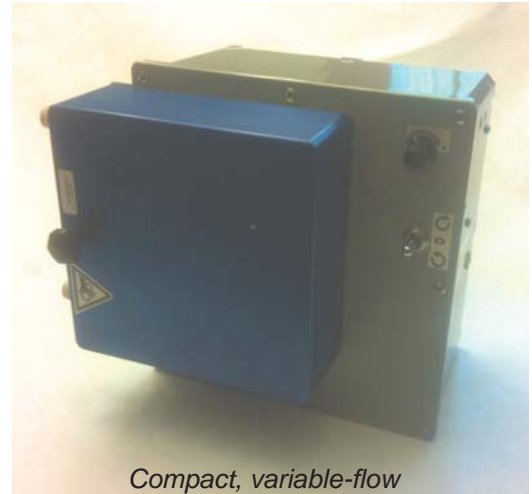
**Variable-flow
Reversible**

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. Norprene® 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. The SP400VC pumps are reversible. Silicone and Norprene 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.



*Compact, variable-flow
SP400VCA 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

	Norprene, 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, Norprene® or Viton®	
Power:	12 or 24Vdc	
Dimensions: (W x H x D)	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)	

SP400VCA Max Flowrates (LPM)

RPM	Motor		Tubing ID (mm)	
	Vdc	Amps	10	13
240	24	5A	4.8	8.8
200	12	10 A	4	7.4
120*	12	3 A	2.4	4.4
60	24	1 A	1.2	2.2
60	12	1.5 A	1.2	2.2

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

SP400VCA-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)

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| V1 | V1R |
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SP400VCA Ordering Information – (Flow rates listed are for Norprene tubing; Silicone is slightly higher).

Flow Rate LPM	Tubing		Norprene®	Pump Part No.		
	ID	RPM Range		Silicone	Viton®	
12Vdc Pumps - Variable-flow						
0 to 7.4	13 mm (1/2")	0 to 200	SP401VXX.006A	SP400VXX.006A	SP402VXX.006A	
0 to 4.0	10 mm (3/8")	0 to 200	SP401VXX.005A	SP400VXX.005A	SP402VXX.005A	
0 to 2.2	13 mm (1/2")	0 to 60	SP401VXX.002A	SP400VXX.002A	SP402VXX.002A	
0 to 1.2	10 mm (3/8")	0 to 60	SP401VXX.001A	SP400VXX.001A	SP402VXX.001A	
24Vdc Pumps - Variable-flow						
0 to 8.8	13 mm (1/2")	0 to 240	SP401VXX.072A	SP400VXX.072A	SP402VXX.072A	
0 to 4.8	10 mm (3/8")	0 to 240	SP401VXX.071A	SP400VXX.071A	SP402VXX.0071A	
0 to 2.2	13 mm (1/2")	0 to 60	SP401VXX.062A	SP400VXX.062A	SP402VXX.062A	
0 to 1.2	10 mm (3/8")	0 to 60	SP401VXX.061A	SP400VXX.061A	SP402VXX.061A	

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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Norprene—Reg TM Saint-Gobain Performance Plastics Corp.
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