

New SmallPumps™ SP400iFO Fixed-flow Pumps

These new compact peristaltic pumps provide fixed-flow and exceptional pump performance in a small attractive package. Flow rates are available up to 3.2 liters per minute (LPM). Select the model with the flow and voltage that you require. Integrate these pumps into your system for dependable fluid transfer.

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. Silicone and Tygon A60G pump systems are supplied with PP fittings. One year warranty.

SPECIAL FEATURES

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

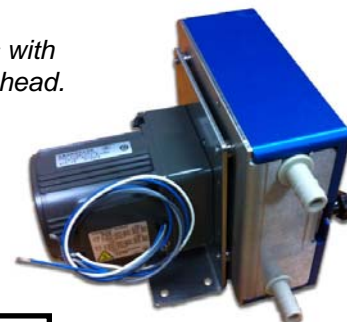
SPECIFICATIONS

	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	
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, Tygon® A60G or Viton®	
Power:	115Vac/60Hz; 230 optional	
Dimensions:	220 x 160 x 150 mm	
(W x H x D)	(8.7 x 6.3 x 6 in.)	
Weight (pump):	approx 3.2 kg (7 lbs)	
Shipping Wt:	approx 4.1 kg (9 lbs)	



Fixed-flow

SP400iFO pumps with fast change pump head.



APPLICATIONS

Chemical metering
Manufacturing
Condensate removal
Maintenance
Printing

SP400iFO Max Flowrates (LPM)

RPM	Motor		Tubing ID (mm)	
	VAC	Amps	13	10
88	115	3 A	3.2	1.8
50	115	2 A	1.8	1

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.

SP400iFO-Tubing Pumps

NA - Not Available at this time

NR - Not Recommended

SP400iFO Ordering Information – (Flow rates listed are for Tygon A60G tubing; Silicone is slightly higher).

<u>Flow Rate</u>	<u>Tubing</u>			<u>Pump Part No.</u>	
<u>LPM</u>	<u>ID</u>	<u>RPM</u>	<u>Tygon® A60G</u>	<u>Silicone</u>	<u>Viton®</u>
115 Vac/60 Hz					
3.2	13 mm (1/2")	88	SP401i.300	SP400i.300	SP402i.300
1.8	10 mm (3/8")	88	SP401i.302	SP400i.302	SP402i.302
1.8	13 mm (1/2")	50	SP401i.304	SP400i.304	SP402i.304
1	10 mm (3/8")	50	SP401i.306	SP400i.306	SP402i.306

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.

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.*

SmallPumps—TM Advanced Product Technology, LLC Viton—Reg TM DuPont Dow Elastomers LLC
Tygon, Norprene—Reg TM Saint-Gobain Performance Plastics Corp.
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