

Quick Facts

- 0.3 to 40.0 gpd, pressures to 100 psi maximum
- 0.3 to 85.0 gpd, pressures to 25 psi maximum
- Digital keypad with LED display
- 20:1 turndown, 1% increments, non-scalable

SVP1 Models

- Manual output control

SVP4 Models

- Automatic output control via 4-20mA signal or manually adjusted

Well-Suited for Industrial Applications

The SVP series is an adjustable, variable speed, peristaltic metering pump suitable for industrial applications, municipal and wastewater treatment plants. The pump can accept a 4-20mA signal from a water treatment control such as a pH or ORP monitor to pace the pump to maintain proper water chemistry and treat effluent discharge water. The output is adjusted by increasing or decreasing the motor speed.

Manual or 4-20mA Input

The SVP is categorized with two different pump prefixes, SVP1 and SVP4. The SVP1 is manually adjusted using the keypad. The SVP4 is designed to respond directly to a 4-20mA input signal from water treatment controls. The SVP4 is equipped with an external port to accept the signal or it can be set to a manual mode and adjusted with the arrows on the keypad.

Features

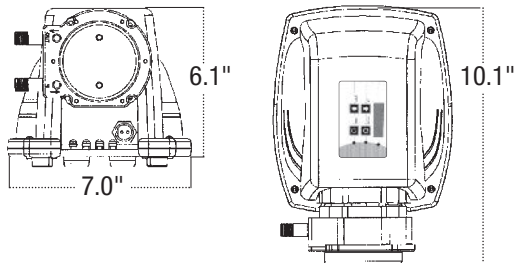
- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patented QuickPro® pump head
- DC motor
- Motor and pump head detachable without tools
- Rugged polycarbonate housing
- Heavy duty gear motor
- 4 button keypad: prime, on/off, up & down arrows

Weights and Dimensions

Shipping Weight 10 lbs (4.5 kg)

Box Dimensions 14 x 9 x 10 in. (36 x 23 x 24 cm)

Product Dimensions



Accessories Shipped with Each Pump

- 3 Connecting nuts 1/4" or 3/8"
- 3 Ferrules 1/4" or 6 mm *Europe*
- 1 Duckbill check valve 100 psi (6.9 bar) maximum or injection fitting 25 psi (1.7 bar) maximum
- 1 Weighted suction line strainer 1/4", 3/8" or 6 mm *Europe*
- 1 20' Roll suction/discharge tubing 1/4" or 3/8" white or 6 mm white *Europe*
- 1 Additional pump tube
- 2 Additional latches
- 1 Manual

Specifications

Flow Rate Output Control Manual or 4-20mA Input

Reproducibility $\pm 2\%$

Maximum Working Pressure

25 psi (1.7 bar), 100 psi (6.9 bar)

Maximum Operating Temperature 125°F (52°C)

Maximum Suction Lift

25 ft (7.6 m) vertical lift, based on water

Motor Type 12VDC gear motor

Shaft rpm (average maximum) 47

Duty Cycle Continuous

Maximum Viscosity 1500 Centipoise

Motor Voltage (Amp Draw)

120V 50/60Hz 1PH (1.5), 220V 50/60Hz 1PH (1.5),

12VDC (4.2), 230V 50/60Hz 1PH (1.5),

250V 50/60Hz 1PH (1.5)

Power Cord Type

120V 60Hz, 220V 60Hz: SJTOW

230V 50Hz, 250V 50Hz: H05VV-F

12VDC: VW-1

Power Cord Plug End

120V 60Hz NEMA 5-15P, 220V 60Hz NEMA 6-15P,

230V 50Hz CEE7/7, 250V 50Hz CEE7/7

12VDC Pigtail connection

Power Cord Length 6 ft (1.8 m)

Classification Indoor

Materials of Construction

All Housings Polycarbonate

Pump Tube Santoprene® (FDA approved) or Versilon®

Check Valve Duckbill

Santoprene® (FDA approved) or Pellethane®

Pump Head Rollers Polyethylene

Roller Bushings Oil impregnated bronze

Suction/Discharge Tubing, Ferrules

Polyethylene (FDA approved)

Tube Fittings, Check Valve Fittings

PVC or Polypropylene (both NSF listed)

Connecting Nuts

PVC or Polypropylene (both NSF listed)

3/8" Adapter PVC or Polypropylene (both NSF listed)

Suction Line Strainer and Cap

PVC or Polypropylene (both NSF listed); ceramic weight

All Fasteners Stainless steel

Pump Head Latches Polypropylene

NOTE: Refer to the chemical guide for material compatibility.

Agency Listings

WQA Listed, conforms to standard NSF/ANSI 61 & 372 (excludes any model with a Versilon® tube).



NOTE: Listings vary by model. 12VDC pumps do not carry any agency listings.

SVP 25 psi (1.7 bar) max. Flow Rate Outputs

Item Number Prefix	Control	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
SVP1L1	Manual	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP1L2	Manual	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP1L3	Manual	3	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
SVP1L4	Manual	4	3.0 to 60.0	0.13 to 2.50	0.27 to 5.33	11.4 to 227.1	0.48 to 9.46	7.92 to 157.71
SVP1L5	Manual	5	4.3 to 85.0	0.18 to 3.54	0.38 to 7.55	16.3 to 321.8	0.68 to 13.40	11.32 to 223.40
SVP4L1	4-20mA Input*	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP4L2	4-20mA Input*	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP4L3	4-20mA Input*	3	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
SVP4L4	4-20mA Input*	4	3.0 to 60.0	0.13 to 2.50	0.27 to 5.33	11.4 to 227.1	0.48 to 9.46	7.92 to 157.71
SVP4L5	4-20mA Input*	5	4.3 to 85.0	0.18 to 3.54	0.38 to 7.55	16.3 to 321.8	0.68 to 13.40	11.32 to 223.40

Approximate Output @ 50/60Hz

SVP 100 psi (6.9 bar) max. Flow Rate Outputs

Item Number Prefix	Control	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
SVP1H1	Manual	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP1H2	Manual	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP1H7	Manual	7	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
SVP4H1	4-20mA Input*	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP4H2	4-20mA Input*	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP4H7	4-20mA Input*	7	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14

Approximate Output @ 50/60Hz



To Order, Build Pump Item Number

Insert item number prefix and code for each specification.

<table border="0"> <tr><td>code</td><td>Voltage & Hertz</td></tr> <tr><td>A</td><td>120V 60Hz</td></tr> <tr><td>B</td><td>220V 60Hz</td></tr> <tr><td>C</td><td>230V 50Hz <i>International</i></td></tr> <tr><td>D</td><td>250V 50Hz <i>International</i></td></tr> <tr><td>V</td><td>12VDC (No agency listings)</td></tr> </table> <p>Contact the factory for additional voltage and plug options.</p>	code	Voltage & Hertz	A	120V 60Hz	B	220V 60Hz	C	230V 50Hz <i>International</i>	D	250V 50Hz <i>International</i>	V	12VDC (No agency listings)	<table border="0"> <tr><td>code</td><td>Suction & Discharge Tubing</td></tr> <tr><td>1</td><td>1/4" White</td></tr> <tr><td>3</td><td>3/8" White</td></tr> <tr><td>5</td><td>6 mm White <i>Europe</i></td></tr> </table> <p>0.D does not affect output.</p>	code	Suction & Discharge Tubing	1	1/4" White	3	3/8" White	5	6 mm White <i>Europe</i>	<table border="0"> <tr><td>code</td><td>Tube Material</td></tr> <tr><td>S</td><td>Santoprene®</td></tr> <tr><td>T</td><td>Versilon®</td></tr> </table> <p>(#7 not available) Refer to the chemical guide for material compatibility.</p>	code	Tube Material	S	Santoprene®	T	Versilon®
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* Input Signal Voltage/Resistance maximum 48VDC/128 ohm.

NOTE: Duckbill check valve included with pumps rated 100 psi (6.9 bar) maximum.

NOTICE: The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.