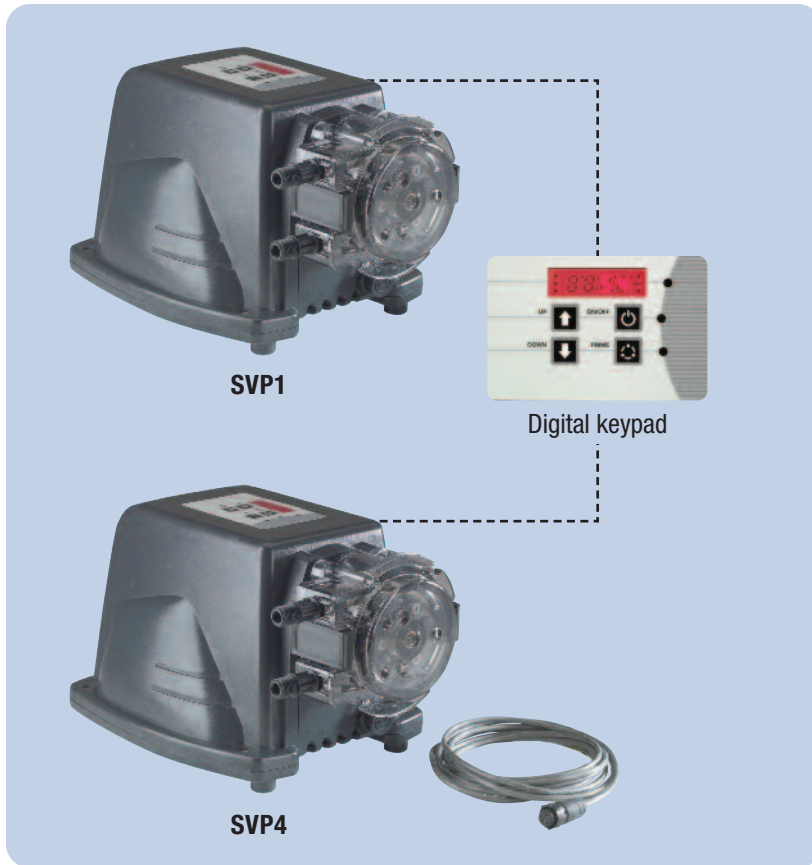


# SVP SERIES Variable Speed Pump



## Quick Facts

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

## SVP1

- Manual output control

## SVP4

- 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.

## Two Sub-Series, SVP1 And SVP4

The SVP is categorized into two sub-series, 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 pump is equipped with an external port to accept the signal or it can override the 4-20 mode to be manually adjusted with the arrows on the keypad.

## Features

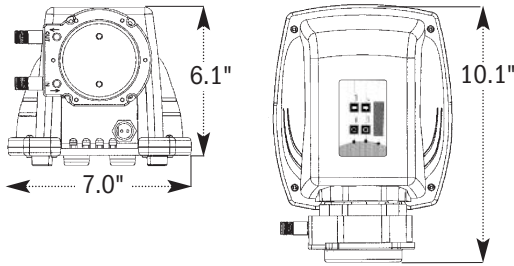
- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- DC motor
- Motor and pump head detachable without tools
- Rugged polycarbonate housing
- Heavy duty gear motor
- 4 button keypad: prime, on/off, up & down arrows

## Weights and Dimensions

**Shipping Weight** 10 lbs (4.5 kg)

**Box Dimensions** 14 x 9 x 9 in. (35 x 23 x 23 cm)

### Product Dimensions



## Accessory Kit Shipped with Each Pump

- 3 connecting nuts 1/4" or 3/8"
- 3 ferrules 1/4" or 6 mm *EUROPE*
- 1 injection check valve 100 psi (6.9 bar) OR 1 injection fitting 25 psi (1.7 bar)
- 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 UV black OR 6 mm white *EUROPE*
- 1 additional pump tube
- 2 additional latches
- 1 manual

## Specifications

**Output Control** Digital keypad

**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** 47

**Duty Cycle** Continuous

**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) *INT'L*,

250V 50/60Hz 1PH (1.5) *INT'L*

**Power Cord Type**

120V, 220V, 230V, 250V: SJTOW

12VDC: VW-1

**Power Cord Plug End**

120V 60Hz NEMA 5/15, 220V 60Hz NEMA 6/15,

230V 50Hz CEE 7/VII, 250V 50Hz CEE 7/VII

12VDC Pigtail connection

## Materials of Construction

**All Housings** Polycarbonate

**Pump Tube & Check Valve Duckbill** Santoprene®, optional Versilon™, FDA approved

**CV Duckbill with Versilon™ Tube** Pellathane®†

**Pump Head Rollers** HDPE

**Roller Bushings** Oil impregnated sintered bronze

**Suction/Discharge Tubing, Ferrules 1/4" & 6 mm**

Polyethylene, FDA approved

**Tube Fittings, Check Valve Fittings**

Gray fittings: Type 1 Rigid PVC, NSF listed

Black fittings: PP, NSF listed

**Connecting Nuts** PP or Type 1 Rigid PVC

**3/8" Adapter** Type 1 Rigid PVC, NSF listed

**Suction Line Strainer** PP or Type 1 Rigid PVC body

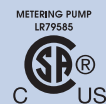
with Type 1 Rigid PVC cap, NSF listed; ceramic weight

**All Fasteners** Stainless steel

**Pump Head Latches** Polypropylene

## Agency Listings

- Models tested by Water Quality Association to conform to ANSI/NSF STD 61 (Santoprene®\* only)



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

\* Santoprene® is a registered trademark of Exxon Mobil Corporation.

\*\* Versilon™ is a registered trademark of Saint-Gobain Performance Plastics.

† Pellathane® is a registered trademark of The Dow Company.

# SVP SERIES

## SVP Output 0-25 psi (0-1.7 bar)

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

Approximate Output @ 50/60Hz

## SVP Output 26-100 psi (1.8-6.9 bar)

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

Approximate Output @ 50/60Hz

\* Input Signal Voltage/Resistance Max. 48 VDC/128 ohm.

NOTE: Injection check valve included with pumps rated 26-100 psi (1.8-6.9 bar).

**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.

### Build An Item Number for Pump or Tank System

