





INSPIRED BY OUR CUSTOMERS

## STENNER PUMP ADVANTAGES

Self-priming
Can inject off-gassing solutions
Easy tube replacement without tools
3 point roller assists anti-siphoning
Food grade pump tube
Output reproducibility
Output volume not affected by back pressure
Solid one piece tube construction
Tube lubrication not required
No vapor lock or loss of prime
Foot valve not required to prime

### QuickPro® PUMP LINE

- Robust construction
- Patent pending QuickPro® pump head
- Tube replacement without tools

### ECON PUMP LINE

- Compact, designed for light duty
- Patented quick release pump head
- Tube replacement without tools

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# CLASSIC SERIES

## Electromechanical Single or Double Head Adjustable or Fixed

### Quick Facts

#### 45 SERIES

- Single Head Adjustable or Fixed output
- 0.2 to 22.0 gpd, pressures to 100 psi
- 0.2 to 50.0 gpd, pressures to 25 psi
- 26 rpm

#### 85 SERIES

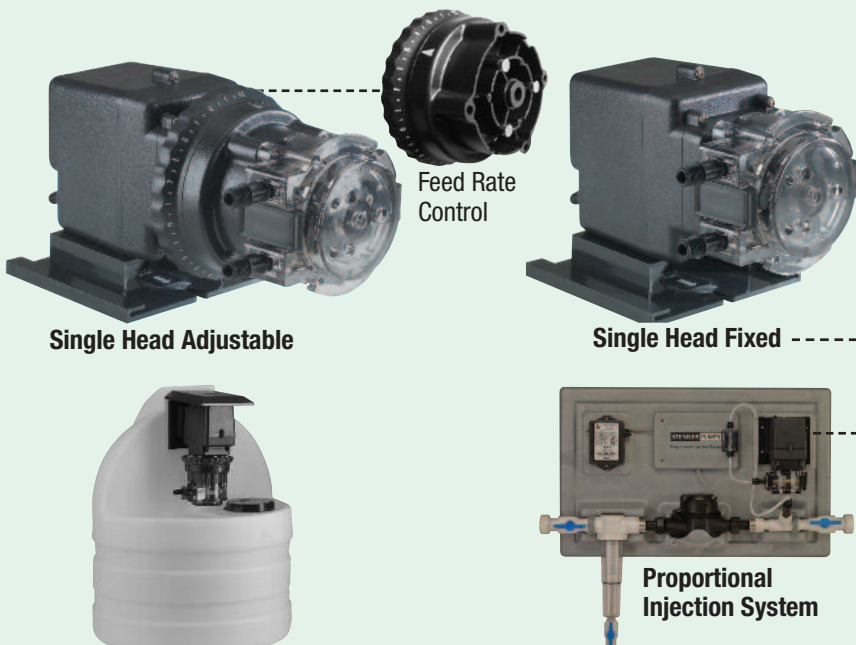
- Single Head Adjustable or Fixed output
- 0.3 to 40.0 gpd, pressures to 100 psi
- 0.3 to 85.0 gpd, pressures to 25 psi
- 44 rpm

#### 100 SERIES

- Double Head Adjustable or Fixed output
- 0.3 to 20.0 gpd, pressures to 100 psi
- 0.3 to 100.0 gpd, pressures to 25 psi
- 26 rpm

#### 170 SERIES

- Double Head Adjustable or Fixed output
- 0.5 to 34.0 gpd, pressures to 100 psi
- 0.5 to 170.0 gpd, pressures to 25 psi
- 44 rpm

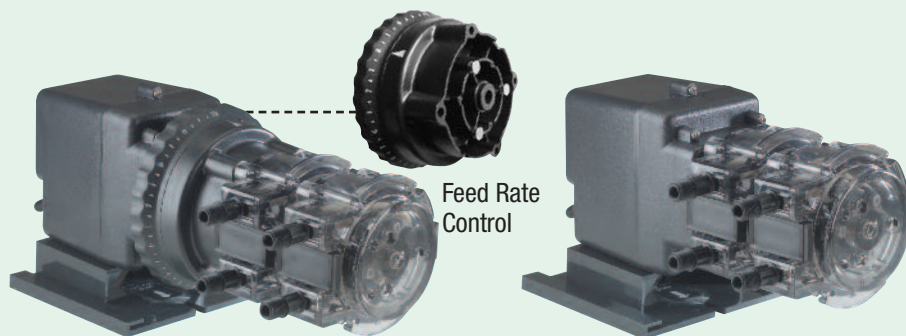


Single Head Adjustable

Feed Rate Control

Single Head Fixed

Proportional Injection System



Double Head Adjustable

Feed Rate Control

Double Head Fixed

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- Adjustable models:
  - External adjustable dial ring on feed rate control
  - 20:1 turndown, 2.5% increments
- Single head models:
  - Available as Tank Systems: 7.5, 15, 30 gallon
  - Fixed output version can be utilized for proportional dosing, refer to pages 32-33 and 38-39
- Components are interchangeable between models
- Tank System ships pre-assembled for quick installations

### Versatile and Time-Tested

For over 50 years, the versatile Classic series remains a popular choice with installers. The pump is easy to service or convert to another model. Injection can be directly into the water line and activated by a pressure switch or controller.

## Weights and Dimensions

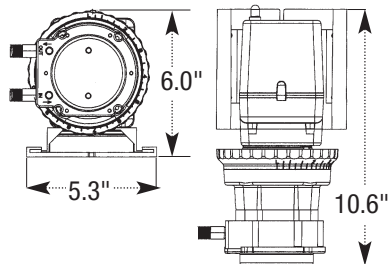
### Single Head Adjustable

**Shipping Weight** 9 lbs (4.1 kg)

#### Box Dimensions

13 x 8 x 9 in. (33 x 20 x 23 cm)

#### Product Dimensions



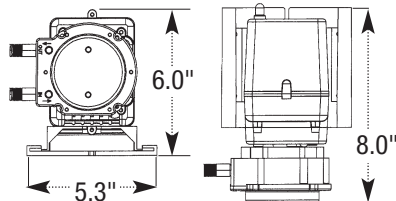
### Single Head Fixed

**Shipping Weight** 8 lbs (3.6 kg)

#### Box Dimensions

13 x 8 x 9 in. (33 x 20 x 23 cm)

#### Product Dimensions



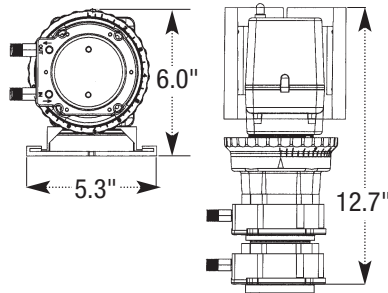
### Double Head Adjustable

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

#### Box Dimensions

18 x 8 x 10 in. (46 x 20 x 25 cm)

#### Product Dimensions



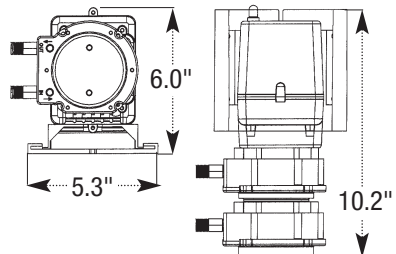
### Double Head Fixed

**Shipping Weight** 9 lbs (4.1 kg)

#### Box Dimensions

18 x 8 x 10 in. (46 x 20 x 25 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 Mounting bracket
- 1 Manual

## Specifications

### Flow Rate Output Control

Adjustable model: External dial ring

### 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 1/30 HP, shaded pole, class B

### Duty Cycle Continuous

### Motor Voltage (Amp Draw)

120V 60Hz 1PH (1.7), 220V 60Hz 1PH (0.9),  
230V 50Hz 1PH (0.9) *INTERNATIONAL*,  
250V 50Hz 1PH (0.9) *INTERNATIONAL*

### Power Cord Type SJTOW

### Power Cord Plug End

120V 60Hz NEMA 5/15, 220V 60Hz NEMA 6/15,  
230V 50Hz CEE 7/VII, 250V 50Hz CEE 7/VII

## Materials of Construction

### All Housings Polycarbonate

**Pump Tube & Check Valve Duckbill** Santoprene<sup>®</sup>,  
optional Versilon<sup>™</sup>, FDA approved

**CV Duckbill with Versilon<sup>™</sup> Tube** Pellathane<sup>®</sup>†

### 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

Black fittings: PP, NSF listed

### Connecting Nuts PP or Type 1 Rigid PVC

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

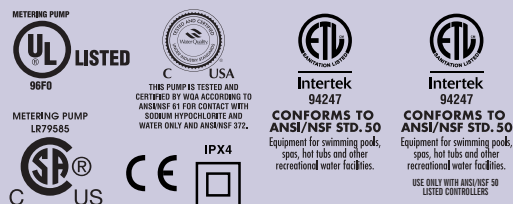
**Suction Line Strainer** PP or Type 1 Rigid PVC body  
with Type 1 Rigid PVC cap, NSF listed; ceramic weight

### All Fasteners Stainless steel

### Pump Head Latches Polypropylene

## Agency Listings

- Models (Santoprene<sup>®</sup> only) tested by Water Quality Association to conform to ANSI/NSF STD 61 & 372
- Adjustable models (Santoprene<sup>®</sup> only) tested by ETL to conform to ANSI/NSF STD 50
- Fixed output models (Santoprene<sup>®</sup> only) tested by ETL to conform to ANSI/NSF STD 50 only when used with ANSI/NSF STD 50 listed controllers



Listings vary by model

\* Santoprene<sup>®</sup> is a registered trademark of Exxon Mobil Corporation.

\*\* Versilon<sup>™</sup> is a registered trademark of Saint-Gobain Performance Plastics.

† Pellathane<sup>®</sup> is a registered trademark of The Dow Company.

# CLASSIC SERIES

**Single Head Adjustable - Flow Rate Output Chart 0-25 psi (0-1.7 bar)** Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45M1	45MJL1	1	0.2 to 3.0	0.8 to 11.4	0.01 to 0.13	0.03 to 0.48	0.02 to 0.27	0.56 to 7.92	0.6 to 9.1	0.02 to 0.38	0.31 to 6.32
	45M2	45MJL2	2	0.5 to 10.0	1.9 to 37.9	0.02 to 0.42	0.08 to 1.58	0.04 to 0.89	1.32 to 26.32	1.5 to 30.3	0.06 to 1.26	1.04 to 21.04
	45M3	45MJL3	3	1.1 to 22.0	4.2 to 83.3	0.05 to 0.92	0.18 to 3.47	0.10 to 1.96	2.92 to 57.85	3.3 to 66.6	0.14 to 2.78	2.29 to 46.25
	45M4	45MJL4	4	1.7 to 35.0	6.4 to 132.5	0.07 to 1.46	0.27 to 5.52	0.15 to 3.11	4.44 to 92.01	5.1 to 106.0	0.21 to 4.42	3.54 to 73.61
	45M5	45MJL5	5	2.5 to 50.0	9.5 to 189.3	0.10 to 2.08	0.40 to 7.89	0.22 to 4.44	6.60 to 131.43	7.6 to 151.4	0.32 to 6.31	5.28 to 105.14
85 SERIES	85M1	85MJL1	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	0.9 to 15.1	0.04 to 0.63	0.52 to 10.49
	85M2	85MJL2	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	2.4 to 51.5	0.10 to 2.15	1.67 to 35.76
	85M3	85MJL3	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	6.1 to 121.1	0.25 to 5.05	4.24 to 84.10
	85M4	85MJL4	4	3.0 to 60.0	11.4 to 227.1	0.13 to 2.5	0.48 to 9.46	0.27 to 5.33	7.92 to 157.71	9.1 to 181.7	0.38 to 7.57	6.32 to 126.18
	85M5	85MJL5	5	4.3 to 85.0	16.3 to 321.8	0.18 to 3.54	0.68 to 13.4	0.38 to 7.55	11.32 to 223.40	13.0 to 257.4	0.54 to 10.73	9.03 to 178.75
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

**Single Head Adjustable - Flow Rate Output Chart 26-100 psi (1.8-6.9 bar)** Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45MHP2	45MJH1	1	0.2 to 3.0	0.8 to 11.4	0.01 to 0.13	0.03 to 0.48	0.02 to 0.27	0.56 to 7.92	0.6 to 9.1	0.02 to 0.38	0.31 to 6.32
	45MHP10	45MJH2	2	0.5 to 10.0	1.9 to 37.9	0.02 to 0.42	0.08 to 1.58	0.04 to 0.89	1.32 to 26.32	1.5 to 30.3	0.06 to 1.26	1.04 to 21.04
	45MHP22	45MJH7	7	1.1 to 22.0	4.2 to 83.3	0.05 to 0.92	0.18 to 3.47	0.10 to 1.96	2.92 to 57.85	3.3 to 66.6	0.14 to 2.78	2.29 to 46.25
85 SERIES	85MHP5	85MJH1	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	0.9 to 15.1	0.04 to 0.63	0.52 to 10.49
	85MHP17	85MJH2	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	2.4 to 51.5	0.10 to 2.15	1.67 to 35.76
	85MHP40	85MJH7	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	6.1 to 121.1	0.25 to 5.05	4.24 to 84.10
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

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.

## Item Number Builder

Item Number Prefix

Omit if not ordering Tank System

**Tank System**

**S7G** 7.5-Gallon UV Gray

**S7N** 7.5-Gallon White

**S1G** 15-Gallon UV Gray

**S1N** 15-Gallon White

**S3G** 30-Gallon UV Gray

**S3N** 30-Gallon White

- For single head pump only.
- Tanks also sold separately on page 35.

**Voltage & Hertz**

**A** 120V 60Hz

**B** 220V 60Hz

**C** 230V 50Hz, CEE7 Cord *INTERNATIONAL*

**D** 250V 50Hz, CEE7 Cord *INTERNATIONAL*

Contact the factory for additional voltage and cord options.

**Suction & Discharge Tubing**

**1** 1/4" White

**2** 1/4" UV Black

**3** 3/8" White

**4** 3/8" UV Black

**5** 6 mm White *EUROPE*

O.D. does not affect output.

**Tube Material**

**S** Santoprene®

**T** Versilon™ (#7 not available)

Refer to the chemical resistance guide for chemical compatibility.

### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.



# CLASSIC SERIES

**Double Head Adjustable - Flow Rate Output Chart 0-25 psi (0-1.7 bar)** Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
100 SERIES	100DM1	100JL1	1	0.3 to 6.0	1.1 to 22.7	0.01 to 0.25	0.05 to 0.95	0.03 to 0.53	0.76 to 15.76	0.9 to 18.2	0.04 to 0.76	0.61 to 12.64
	100DM2	100JL2	2	1.0 to 20.0	3.8 to 75.7	0.04 to 0.83	0.16 to 3.15	0.09 to 1.78	2.64 to 52.57	3.0 to 60.6	0.13 to 2.53	2.11 to 42.06
	100DM3	100JL3	3	2.2 to 44.0	8.3 to 166.5	0.09 to 1.83	0.35 to 6.94	0.19 to 3.91	5.76 to 115.63	6.6 to 133.2	0.28 to 5.55	4.58 to 92.50
	100DM4	100JL4	4	3.5 to 70.0	13.2 to 265.0	0.15 to 2.92	0.55 to 11.04	0.31 to 6.22	9.17 to 184.03	10.6 to 212.0	0.44 to 8.83	7.36 to 147.22
	100DM5	100JL5	5	5.0 to 100.0	18.9 to 378.5	0.21 to 4.17	0.79 to 15.77	0.44 to 8.88	13.13 to 262.88	15.1 to 302.8	0.63 to 12.61	10.49 to 210.28
170 SERIES	170DM1	170JL1	1	0.5 to 10.0	1.9 to 37.9	0.02 to 0.42	0.08 to 1.58	0.04 to 0.89	1.32 to 26.32	1.5 to 30.3	0.06 to 1.26	1.04 to 21.04
	170DM2	170JL2	2	1.7 to 34.0	6.4 to 128.7	0.07 to 1.42	0.27 to 5.36	0.15 to 3.02	4.44 to 89.38	5.1 to 102.6	0.21 to 4.29	3.54 to 71.55
	170DM3	170JL3	3	4.0 to 80.0	15.1 to 302.8	0.17 to 3.33	0.63 to 12.62	0.35 to 7.11	10.49 to 210.28	12.1 to 242.2	0.50 to 10.09	8.40 to 168.22
	170DM4	170JL4	4	6.0 to 120.0	22.7 to 454.2	0.25 to 5.00	0.95 to 18.93	0.53 to 10.66	15.76 to 315.42	18.2 to 363.4	0.76 to 15.14	12.64 to 252.36
	170DM5	170JL5	5	8.5 to 170.0	32.2 to 643.5	0.35 to 7.08	1.34 to 26.80	0.76 to 15.10	22.36 to 446.88	25.7 to 514.8	1.07 to 21.45	17.92 to 357.50
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

**Double Head Adjustable - Flow Rate Output Chart 26-100 psi (1.8-6.9 bar)** Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
100 SERIES	100DMHP5	100JH1	1	0.3 to 6.0	1.1 to 22.7	0.01 to 0.25	0.05 to 0.95	0.03 to 0.53	0.76 to 15.76	0.9 to 18.2	0.04 to 0.76	0.61 to 12.64
	100DMHP20	100JH2	2	1.0 to 20.0	3.8 to 75.7	0.04 to 0.83	0.16 to 3.15	0.09 to 1.78	2.64 to 52.57	3.0 to 60.6	0.13 to 2.53	2.11 to 42.06
170 SERIES	170DMHP9	170JH1	1	0.5 to 10.0	1.9 to 37.9	0.02 to 0.42	0.08 to 1.58	0.04 to 0.89	1.32 to 26.32	1.5 to 30.3	0.06 to 1.26	1.04 to 21.04
	170DMHP34	170JH2	2	1.7 to 34.0	6.4 to 128.7	0.07 to 1.42	0.27 to 5.36	0.15 to 3.02	4.44 to 89.38	5.1 to 102.6	0.21 to 4.29	3.54 to 71.55
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

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.

## Item Number Builder



### Voltage & Hertz

- A** 120V 60Hz
- B** 220V 60Hz
- C** 230V 50Hz, CEE7 Cord *INTERNATIONAL*
- D** 250V 50Hz, CEE7 Cord *INTERNATIONAL*

Contact the factory for additional voltage and cord options.

### Suction & Discharge Tubing

- 1** 1/4" White
- 2** 1/4" UV Black
- 3** 3/8" White
- 4** 3/8" UV Black
- 5** 6 mm White *EUROPE*

O.D. does not affect output.

### Tube Material

- S** Santoprene®
- T** Versilon™ (#7 not available)

Refer to the chemical resistance guide for chemical compatibility.

### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.



**Double Head Fixed - Flow Rate Output Chart 0-25 psi (0-1.7 bar)**

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
100 SERIES	100DMP1	100FL1	1	6.0	22.7	0.25	0.95	0.53	15.76	18.2	0.76	12.64
	100DMP2	100FL2	2	20.0	75.7	0.83	3.15	1.78	52.57	60.6	2.53	42.06
	100DMP3	100FL3	3	44.0	166.5	1.83	6.94	3.91	115.63	133.2	5.55	92.50
	100DMP4	100FL4	4	70.0	265.0	2.92	11.04	6.22	184.03	212.0	8.83	147.22
	100DMP5	100FL5	5	100.0	378.5	4.17	15.77	8.88	262.88	302.8	12.61	210.28
170 SERIES	170DMP1	170FL1	1	10.0	37.9	0.42	1.58	0.89	26.32	30.3	1.26	21.04
	170DMP2	170FL2	2	34.0	128.7	1.42	5.36	3.02	89.38	102.6	4.29	71.55
	170DMP3	170FL3	3	80.0	302.8	3.33	12.62	7.11	210.28	242.2	10.09	168.22
	170DMP4	170FL4	4	120.0	454.2	5.00	18.93	10.66	315.42	363.4	15.14	252.36
	170DMP5	170FL5	5	170.0	643.6	7.08	26.80	15.10	446.88	514.8	21.45	357.50
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

**Double Head Fixed - Flow Rate Output Chart 26-100 psi (1.8-6.9 bar)**

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
100 SERIES	100DMPHP5	100FH1	1	6.0	22.7	0.25	0.95	0.53	15.76	18.2	0.76	12.64
	100DMPHP20	100FH2	2	20.0	75.7	0.83	3.15	1.78	52.57	60.6	2.53	42.06
170 SERIES	170DMPHP9	170FH1	1	10.0	37.9	0.42	1.58	0.89	26.32	30.3	1.26	21.04
	170DMPHP34	170FH2	2	34.0	128.7	1.42	5.36	3.02	89.38	102.6	4.29	71.55
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

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.

### Item Number Builder

Item Number Prefix

**Voltage & Hertz**

**A** 120V 60Hz

**B** 220V 60Hz

**C** 230V 50Hz, CEE7 Cord  
*INTERNATIONAL*

**D** 250V 50Hz, CEE7 Cord  
*INTERNATIONAL*

Contact the factory for additional voltage and cord options.

**Suction & Discharge Tubing**

**1** 1/4" White

**2** 1/4" UV Black

**3** 3/8" White

**4** 3/8" UV Black

**5** 6 mm White *EUROPE*

O.D. does not affect output.

**Tube Material**

**S** Santoprene®

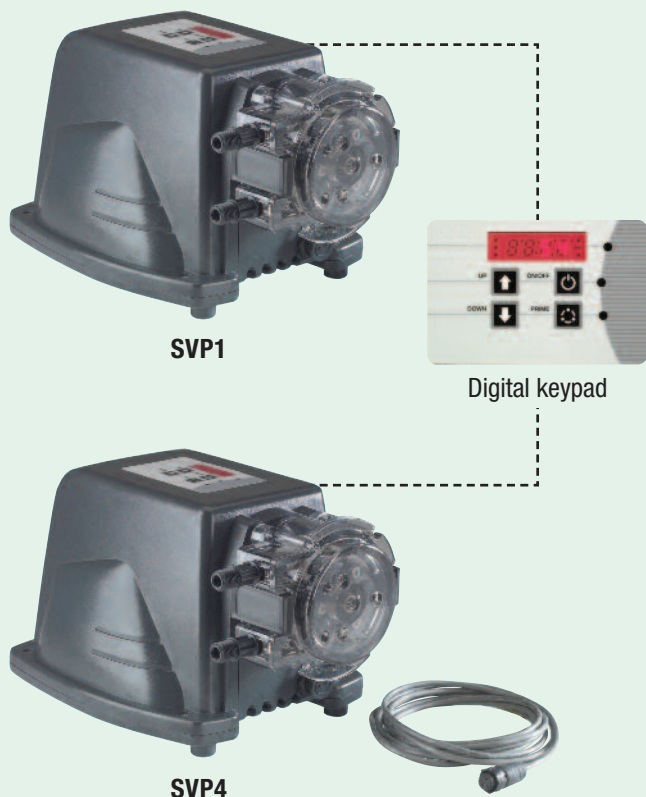
**T** Versilon™  
(#7 not available)

Refer to the chemical resistance guide for chemical compatibility.

**How to build an Item Number**

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.





### 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 be set to a manual mode and adjusted with the arrows on the keypad.

### Features

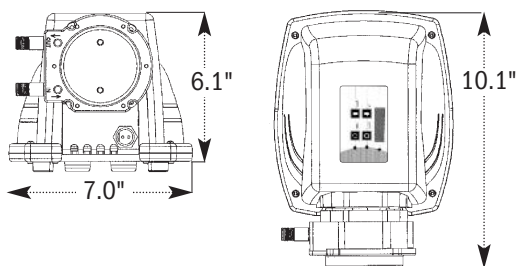
- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- DC motor
- Motor and pump head detachable without tools
- Rugged polycarbonate housing
- Heavy duty gear motor
- 4 button keypad: prime, on/off, up & down arrows

## 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

**Flow Rate 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) *INTERNATIONAL*,  
250V 50/60Hz 1PH (1.5) *INTERNATIONAL*

**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<sup>®</sup>,  
optional Versilon<sup>™</sup>, FDA approved

**CV Duckbill with Versilon<sup>™</sup> Tube** Pellathane<sup>®†</sup>

**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**

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 (Santoprene<sup>®</sup> only) tested by Water Quality  
Association to conform to ANSI/NSF STD 61 & 372.



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

\* Santoprene<sup>®</sup> is a registered trademark of Exxon Mobil Corporation.

\*\* Versilon<sup>™</sup> is a registered trademark of Saint-Gobain Performance Plastics.

† Pellathane<sup>®</sup> is a registered trademark of The Dow Company.

# SVP SERIES

**SVP - Flow Rate Output Chart 0-25 psi (0-1.7 bar)**

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute
MANUAL	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
4-20mA INPUT*	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 - Flow Rate Output Chart 26-100 psi (1.8-6.9 bar)**

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute
MANUAL	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
4-20mA INPUT*	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.

## Item Number Builder



### Voltage & Hertz

- A** 120V 60Hz
- B** 220V 60Hz
- C** 230V 50Hz, CEE7 Cord *INTERNATIONAL*
- D** 250V 50Hz, CEE7 Cord *INTERNATIONAL*
- V** 12VDC (No agency listings)

Contact the factory for additional voltage and cord options.

### Suction & Discharge Tubing

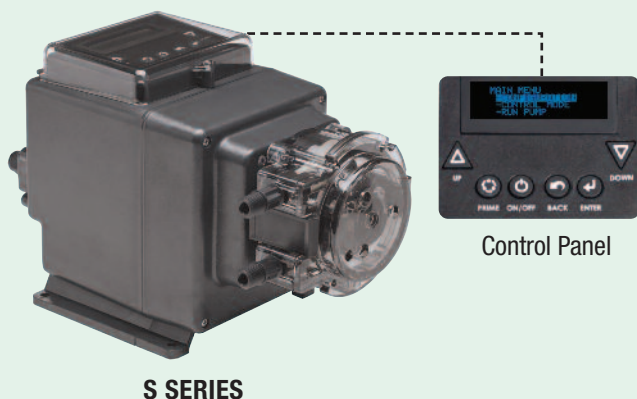
- 1** 1/4" White
  - 3** 3/8" White
  - 5** 6 mm White *EUROPE*
- O.D. does not affect output.

### Tube Material

- S** Santoprene®
  - T** Versilon™ (#7 not available)
- Refer to the chemical resistance guide for chemical compatibility.

### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.



### Designed for Demanding Applications

The S Series is an advanced peristaltic metering pump built to NEMA 4X for demanding applications. Select from multiple operational modes and performance indicators that readily interface with process control systems utilizing a 4-20mA output signal and three relay outputs. Navigate through the many pump configurations with the tactile keypad and OLED display to customize the parameters for the specific application.

### Quick Facts

- 0.05 to 40.0 gpd, pressures to 100 psi
- 0.40 to 85.0 gpd, pressures to 25 psi
- Digital keypad with OLED display
- Tube leak detector
- Tube life timer
- Password protection

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- Brushless DC motor with ball bearing support
- Switch mode power supply
- Totally enclosed housing
- NEMA 4X
- NSF 61 & 372
- cULus indoor/outdoor
- CE IP65

### Performance Indicators

Pump Condition	Control Mode	Programmable Communication	
		Display Alarm on pump control panel	Output Relay to another pump, system or device
Tube Change	Manual 4-20mA* 0-10VDC* Pulse Hall Effect 7 Day Timer PPM Feed Cycle Timer	✓	not applicable
Tube Leak		✓	✓
Standby		✓	✓
Drive Fault		✓	✓
Off		✓	✓
Repeat Pulse		not applicable	✓
Run		not applicable	✓
Mode Change		not applicable	✓
Transfer		not applicable	✓
High Signal	4-20mA* or 0-10VDC*	✓	✓
Low Signal	4-20mA* or 0-10VDC*	✓	✓
High Flow	Hall Effect or PPM Feed	✓	✓
Low Flow	Hall Effect	✓	✓
Signal Overrun	Pulse	✓	✓

\* Scalable, invertible

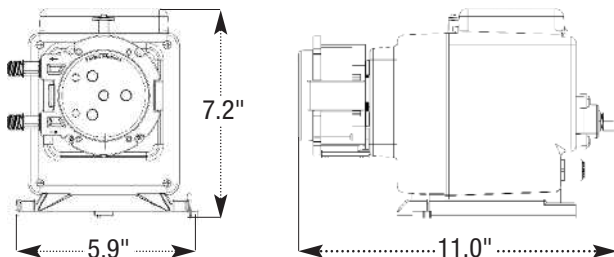
# S SERIES

## Weights and Dimensions

**Shipping Weight** 8 lbs (3.7 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 Mounting bracket
- 1 Quick start guide

## Specifications

### Flow Rate Output Control

Varies per control mode; digital keypad

**Reproducibility**  $\pm 2\%$

### Maximum Working Pressure

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

**Maximum Operating Temperature** 104°F (40°C)

### Maximum Suction Lift

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

**Motor Type** Brushless DC motor

**Duty Cycle** Continuous

### Motor Voltage (Amp Draw)

120V 60Hz 1PH (0.6), 230V 50Hz 1PH (0.3)

### Power Cord Type

120V 60Hz SJTOWA, 230V 50Hz H05RNF

### Power Cord Plug End

120V 60Hz 15P, 230V 50Hz CEE7/7,  
230V 50Hz SEV1011

**Hall Effect Max. Input Frequency** 100 KHz

**RPM** Variable

**RPM (maximum)** 45

**RPM (gradient)** By %

The % sets the speed and is not 1 to 1 for RPM.

**Maximum Altitude** 6562 ft. (2000 m)

**Maximum Viscosity** 1500 Centipoise

**Pulse Duration Required** 10 milliseconds

Minimum duration required for pump to read signal.

## Materials of Construction

**All Housings** Polycarbonate

### Pump Tube & Check Valve Duckbill

Santoprene<sup>®</sup>, optional Versilon<sup>™</sup>, FDA approved

**CV Duckbill with Versilon<sup>™</sup> Tube** Pellathane<sup>®†</sup>

**Pump Head Rollers** Polyethylene

**Roller Bushings** Oil Impregnated sintered bronze

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

Polyethylene, FDA approved

### Tube Fittings, Injection Fittings

Type 1 Rigid PVC or Polypropylene, NSF Listed

### Connecting Nuts

Type 1 Rigid PVC or Polypropylene

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

**Suction Line Strainer** Polypropylene or Type 1

Rigid PVC body with Type 1 Rigid PVC Cap, NSF listed; ceramic weight

**All Fasteners** Stainless steel

**Pump Head Latches** Polypropylene

**Leak Detect Clips, Springs, Pins** Hastelloy C<sup>™</sup>

## Agency Listings

Models (Santoprene<sup>®</sup> only) tested by IAPMO to conform to ANSI/NSF STD 61 & 372.



THIS PUMP IS TESTED AND CERTIFIED BY IAPMO ACCORDING TO ANSI/NSF 61 FOR CONTACT WITH SODIUM HYPOCHLORITE AND WATER ONLY AND NSF/ANSI 372.



\* Santoprene<sup>®</sup> is a registered trademark of Exxon Mobil Corporation.

\*\* Versilon<sup>™</sup> is a registered trademark of Saint-Gobain Performance Plastics.

† Pellathane<sup>®</sup> is a registered trademark of The Dow Company.

## S Series - Flow Rate Output Chart 25 psi (1.7 bar) maximum

Model	Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Hour	Milliliters per Hour	Ounces per Minute	Milliliters per Minute
S3003	<b>S3003</b>	3	100:1	0.40 to 40	1.51 to 151	0.017 to 1.67	0.063 to 6.31	2.13 to 213	63.09 to 6309	0.036 to 3.56	1.05 to 105
S3004	<b>S3004</b>	4	100:1	0.60 to 60	2.27 to 227	0.025 to 2.50	0.095 to 9.46	3.20 to 320	94.64 to 9464	0.053 to 5.33	1.58 to 158
S3005	<b>S3005</b>	5	100:1	0.85 to 85	3.22 to 322	0.035 to 3.54	0.134 to 13.41	4.53 to 453	134.07 to 13407	0.076 to 7.56	2.23 to 223
Approximate Output @ 50/60Hz											

## S Series - Flow Rate Output Chart 100 psi (6.9 bar) maximum

Model	Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Hour	Milliliters per Hour	Ounces per Minute	Milliliters per Minute
S3001	<b>S3001</b>	1	100:1	0.05 to 5	0.19 to 19	0.002 to 0.21	0.008 to 0.79	0.27 to 27	7.89 to 789	0.004 to 0.44	0.13 to 13
S3002	<b>S3002</b>	2	100:1	0.17 to 17	0.64 to 64	0.007 to 0.71	0.027 to 2.68	0.91 to 91	26.81 to 2681	0.015 to 1.51	0.45 to 45
S3007	<b>S3007</b>	7	100:1	0.40 to 40	1.51 to 151	0.017 to 1.67	0.063 to 6.31	2.13 to 213	63.09 to 6309	0.036 to 3.56	1.05 to 105
Approximate Output @ 50/60Hz											

NOTE: Injection 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.

## Item Number Builder

Item Number Prefix

N

**Voltage & Hertz**  
**AA** 120V 60Hz  
**DC** 230V 50Hz, CEE7 Cord  
*INTERNATIONAL*  
**DE** 230V 50Hz, SEV1001 Cord  
*INTERNATIONAL*  
 Contact the factory for additional voltage and cord options.

**Suction & Discharge Tubing**  
**10** 1/4" White  
**20** 1/4" UV Black  
**30** 3/8" White  
**40** 3/8" UV Black  
**50** 6 mm White *EUROPE*  
 O.D. does not affect output.

**Tube Material**  
**1** Santoprene®  
**2** Versilon™ (#7 not available)  
 Refer to the chemical resistance guide for chemical compatibility.

### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.

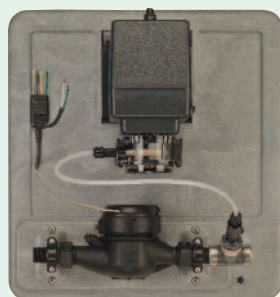




**M128**



Potentiometer



**M128 Meter System**



**M128 Tank System**

### Quick Facts

- Potentiometer with adjustable pulse rate  
1, 2, 4, 10 ppg (10 ppg in M07 model only) or 1 ppl
- Standby setting
- Internal relay

### M05

- 8.4 oz/min, pressures to 25 psi

### M07

- 3.5 oz/min, pressures to 100 psi

### Activated by a Pulse Water Meter

The M128 is actuated by a dry contact, pulse water meter to automatically inject solution proportional to the water flow at a rate of 1 ounce of solution to 128 ounces of process water. The pump accepts meter rates of 1, 2, 4 or 10 pulses per gallon or 1 pulse per liter. The meter rates are adjusted with the pump's potentiometer. The standby setting can stop the pump from injecting when it receives a signal. The internal relay feature allows the water meter to send a signal, if the pump is in standby mode.

### 1:128 Injection for Livestock Water Treatment

The M128, also referred to as a medicator, doses solution at a 1:128 ratio to inject livestock water with sanitizers, disinfectants, nutrients and medication. Featuring an internal relay, the pump has a cable with four lead wires; two are connected to the water meter. For installations with a house controller, the two remaining wires are connected to the controller to register water consumption. If the pump is placed in standby, the internal relay allows the pulse meter to continue to register water consumption with the house controller.

### M128 Meter System or Tank System

For convenient and quick installations or turnkey operations, the M128 Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel. The plastic water meter is certified with WQA under ANSI/NSF 372 for low lead.

The pre-packaged tank system is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank. Select UV Gray for outdoor installations or translucent white.

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- A water bypass is not needed; there is no water restriction or pressure loss
- No need for back pressure valves and filters upstream to pull out grit, sand and debris
- Solution is not in contact with moving parts



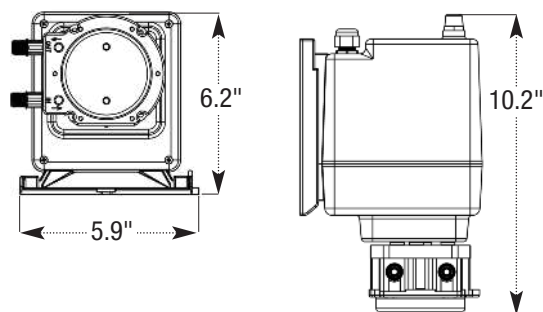
## Weights and Dimensions

### M128 Pump

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

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

#### Product Dimensions



### M128 Meter System

**Shipping Weight** 21 lbs (9.5 kg)

**Box Dimensions** 24 x 23 x 12 in. (61 x 58 x 30 cm)

## Accessory Kit Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4"
- 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"
- 1 20' Roll suction/discharge tubing 1/4"
- 1 Additional pump tube
- 2 Additional latches
- 1 Mounting bracket
- 1 Manual

## Specifications

### Flow Rate Output Control

Fixed output, interfaces with water meter

**Maximum Operating Temperature** 104°F (40°C)

### Maximum Suction Lift

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

**Motor Type** 24VDC, 2.0 A, Brushed DC, 1/30 HP

**Duty Cycle** Continuous

**Shaft rpm** 55

### Motor Voltage (Amp Draw)

120V 60Hz 1PH (0.5)

220V 60Hz 1PH (0.33)

**Power Cord Type** SJTOW

### Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/1

## Materials of Construction

**All Housings** Polycarbonate

### Pump Tube & Check Valve Duckbill

Santoprene®, FDA approved

**Pump Head Rollers** HDPE

**Roller Bushings** Oil impregnated sintered bronze

### Suction/Discharge Tubing, Ferrules 1/4"

Polyethylene, FDA approved

### Tube Fittings, Check Valve Fittings

Black fittings: PP, NSF listed

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

**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



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

# M128 SERIES

## M128 - Flow Rate Output Chart 0-25 psi (0-1.7 bar)

Model	Item Number Prefix	Pump Tube	Ounces per Minute	Gallons per Hour	Gallons per Day	Milliliters per Minute	Liters per Hour	Liters per Day
M05	<b>M05</b>	5	8.4	3.9	95.0	249.7	14.9	359.6
Approximate Maximum Output @ 50/60Hz								

Maximum system water flow for 1:128 dosing is 8.4 gallons/minute or 31.8 liters/minute.

## M128 - Flow Rate Output Chart 26-100 psi (1.8-6.9 bar)

Model	Item Number Prefix	Pump Tube	Ounces per Minute	Gallons per Hour	Gallons per Day	Milliliters per Minute	Liters per Hour	Liters per Day
M07	<b>M07</b>	7	3.5	1.6	40.0	105	6.3	151.4
Approximate Maximum Output @ 50/60Hz								

Maximum system water flow for 1:128 dosing is 3.5 gallons/minute or 13.2 liters/minute.

## Alternative Sizing for M07 Model using 1 pulse/gallon meter

Dosage oz/gal	Dosage Ratio	Max. System Water Flow gal/min	Pulse Setting
1.0	1:128	3.5	1
0.50	1:256	7.0	2
0.25	1:512	14.0	4

NOTE: 1 oz = 29.57 ml ; 1 gallon = 3.78 liters. Contact factory for assistance with sizing.

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.

## Item Number Builder

Item Number Prefix

Voltage & Hertz

1 120V 60Hz

2 220V 60Hz

Meter System Panel

341P 3/4" 1 pulse/gallon

342P 3/4" 2 pulses/gallon

344P 3/4" 4 pulses/gallon

011P 1" 1 pulse/gallon

012P 1" 2 pulses/gallon

014P 1" 4 pulses/gallon

Tank System

7G 7.5-Gallon UV Gray

7N 7.5-Gallon White

1G 15-Gallon UV Gray

1N 15-Gallon White

3G 30-Gallon UV Gray

3N 30-Gallon White

Tanks also sold separately on page 35.

Omit if not ordering Meter System

Omit if not ordering Tank System

### How to build an Item Number

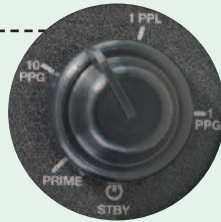
1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.

Tank System and Meter System are two separate systems and are not sold as one.

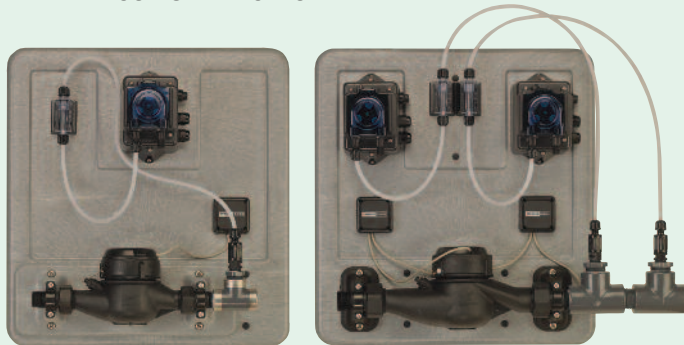
NOTE: M128 includes 1/4" white suction/discharge tubing only.



**ECON STENNICATOR**



Pulse Dial



**ECON STENNICATOR Meter Systems - Single and Dual**



**ECON Tank System**

**WATCH  
ANIMATED VIDEO**  
of the Stennicator on  
a poultry farm  
[www.stenner.com](http://www.stenner.com)

### Stennicator Meter System or Tank System

For convenient and quick installations or turnkey operations, the Stennicator Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel.

The pre-packaged tank system is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank. Select UV Gray for outdoor installations or translucent white.

### Quick Facts

- 2.7 ounces per minute, pressures to 80 psi
- 1 or 10 ppg and 1 ppl water meter pulse settings
- Internal relay
- Standby setting
- Wall adapter power supply

### Compact and Water Meter Activated

The Econ Stennicator injects product at a fixed ratio of 1:128. The pulse from the water meter activates the pump at a fixed run time to deliver the proper dosage. The pump has three pulse settings, adjustable with a potentiometer, to accommodate 1 or 10 pulses per gallon or 1 pulse per liter. The pump's internal relay feature can repeat the incoming meter signal to another Stennicator, controller or other device. Additional features include an on/off switch, prime and a standby setting.

### Not a Traditional Medicator for Livestock Water

The Stennicator, Stenner's peristaltic medicator, is not a typical 1:128 water driven proportional pump. The pump injects directly in to the water line eliminating a water bypass that can restrict water flow to the drinker lines. Poor water quality, scale and solids are not harmful to the pump. The Stennicator is compact with a small footprint and can adapt to an existing pulse water meter. If utilizing a house controller, the pump's internal relay feature allows the water meter to send the signal to the controller to register the water consumption. The pump can accurately inject or be placed in standby, without interrupting the water meter signal.

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Effortless tube replacement without tools
- Activate multiple pumps from one meter
- No water restriction or pressure loss
- On/off switch
- Brushless motor
- Enclosed housing
- cULus for indoor/outdoor use

# ECON STENNICATOR

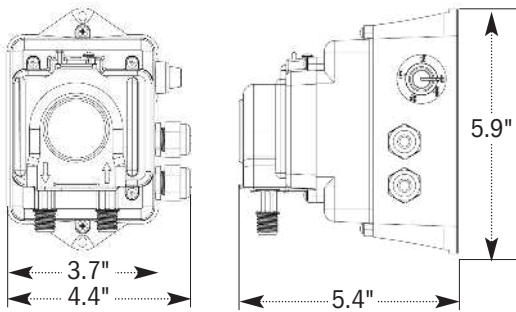
## Weights and Dimensions

### Pump

**Shipping Weight** 4 lbs (1.8 kg)

**Box Dimensions** 8 x 7 x 10 in. (20 x 18 x 25 cm)

### Product Dimensions



## Accessory Kit Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4"
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white
- 1 Additional pump tube
- 1 Manual

## Meter System Panel

METER SYSTEM	SHIPPING WEIGHT	BOX DIMENSIONS
Single	17 lbs (7.7 kg)	24 x 23 x 12 in. (61 x 58 x 30 cm)
Dual	20 lbs (9.1 kg)	

## Specifications

### Flow Rate Output Control

On/off switch, fixed output

**Reproducibility**  $\pm 2\%$

**Maximum Working Pressure** 80 psi (5.5 bar)

**Maximum Operating Temperature** 104°F (40°C)

### Maximum Suction Lift

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

**Motor Type** 24VDC, brushless

**Shaft rpm** 60

**Duty Cycle** Continuous

**Max Viscosity** 50 Centipoise

**Motor Voltage (Amp Draw)** 120V 60Hz (0.17)

**External Power Supply** 100-120VAC, 60Hz

**Power Cord Type** STP-2W

**Power Cord Length** 10 ft (3.05 m)

### Power Cord Plug End

Wall adapter power supply 100-120V, 60Hz,  
0.75A input, two prong, polarized 24VDC, 1.25A,  
Class II output

**Classification** Indoor/Outdoor

## Materials of Construction

**All Housings** Polycarbonate

**Pump Tube & Check Valve Duckbill**

Santoprene®, FDA approved

**Pump Head Rollers** Polyethylene

**Suction/Discharge Tubing, Ferrules**

Polyethylene, FDA approved

**Tube Fittings** Polypropylene, NSF listed

**Check Valve Fittings**

Type 1 Rigid PVC, NSF listed

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

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

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

**All Fasteners** Stainless steel

## Agency Listings



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

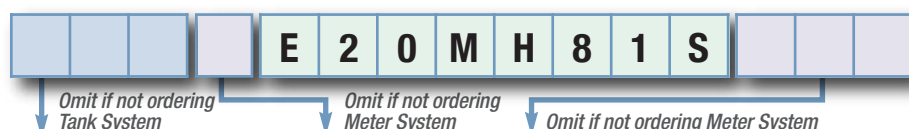
### ECON STENNICATOR Flow Rate Output Chart 80 psi (5.5 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Ounces per Minute	Milliliters per Minute
<b>E20MH81S</b>	H	Black	2.7	74.0
Approximate Maximum Output @ 50/60Hz				

NOTE: Injection check valve included.

**NOTICE:** The information within this chart 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.

### Item Number Builder



<b>Tank System</b> <b>S7G</b> 7.5-Gallon UV Gray <b>S7N</b> 7.5-Gallon White <b>S1G</b> 15-Gallon UV Gray <b>S1N</b> 15-Gallon White <b>S3G</b> 30-Gallon UV Gray <b>S3N</b> 30-Gallon White Tanks also sold separately on page 35.	<b>System</b> <b>S</b> Single <b>D</b> Dual	<b>Meter System Panel</b> <b>341</b> 3/4" 1 pulse/gallon <b>340</b> 3/4" 10 pulses/gallon <b>34L</b> 3/4" 1 pulse/liter <b>010</b> 1" 10 pulses/gallon <b>011</b> 1" 1 pulse/gallon <b>01L</b> 1", 1 pulse/liter
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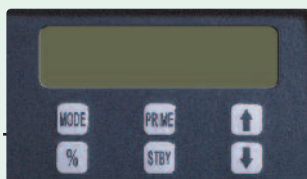
#### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.

Tank System and Meter System are two separate systems and are not sold as one.



ECON INTEGRATOR™



Control Panel



ECON INTEGRATOR™ Meter System



ECON Tank System

### Quick Facts

- 4.5, 16.0, 30.0 gpd, pressures to 80 psi
- Digital keypad with LCD display
- 10:1 turndown, 1% increments
- Flow activated with internal relay
- Wall adapter power supply

### Proportional Pump with Internal Relay Feature

The Econ Integrator™ is a flow activated pump featuring three operational modes and an internal relay. The relay provides a dry contact output signal replicating the signal the pump receives. The signal output can control another device that accepts a dry contact signal such as another Econ Integrator™. Multiple pumps can be activated by one water meter. The relay is operable in the Seconds or Flow Switch mode.

In livestock operations, the relay is especially useful when an existing water meter is utilized to tally water consumption to a controller. The relay allows the meter to send a signal to the pump and to the controller; eliminating the need for another meter. The signal can be sent if the pump is operating or in standby.

### Econ Integrator™ Meter System or Tank System

For convenient and quick installations or turnkey operations, the Econ Integrator™ Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel.

The pre-packaged tank system is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank. Select UV Gray for outdoor installations or translucent white.

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Effortless tube replacement without tools
- Patented quick release pump head
- Enclosed housing
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372

### Three Operating Modes

The control panel displays the operational modes: Seconds, Flow Switch or Auxiliary.

**SECONDS:** The pump can accept a dry (non-voltage) contact signal and will run for a set **time** in response to receiving the signal. There are five pump operating time ranges; the maximum time is displayed on the control panel. The run time is adjustable from 10% to 100% in 1% increments.

1 second = 0.1-1.0      5 seconds = 0.5-5.0      10 seconds = 1.0-10.0  
20 seconds = 2.0-20.0      60 seconds = 6.0-60.0

**FLOW SWITCH:** The pump can accept a dry (non-voltage) contact signal from a 2 wire flow switch and will run at the set **speed** as long as it receives the dry contact. The pump speed is adjustable from 10% to 100% in 1% increments.

**AUXILIARY:** The pump can accept a 12-24 VAC/VDC signal from control equipment that responds to flow and will run at a set **speed** for as long as it receives the signal. The pump speed is adjustable from 10% to 100% in 1% increments. The internal relay does not work with a 12-24 VAC/VDC signal.



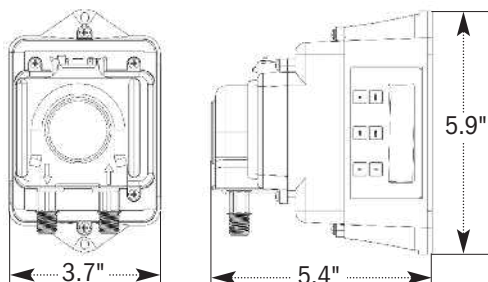
## Weights and Dimensions

### Pump

**Shipping Weight** 4 lbs (1.8 kg)

**Box Dimensions** 8 x 7 x 10 in. (20 x 18 x 25 cm)

### Product Dimensions



### Meter System

**Shipping Weight** 17 lbs (7.7 kg)

**Box Dimensions** 24 x 23 x 12 in. (61 x 58 x 30 cm)

## Accessory Kit Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm *EUROPE*
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white or UV black  
OR 6 mm white *EUROPE*
- 1 Additional pump tube
- 1 Manual

## Specifications

### Flow Rate Output Control

Six button control panel with LCD display

**Reproducibility**  $\pm 2\%$

**Maximum Working Pressure** 80 psi (5.5 bar)

**Maximum Operating Temperature** 104°F (40°C)

### Maximum Suction Lift

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

**Motor Type** 24VDC, brushless

**Shaft rpm** 60

**Duty Cycle** Continuous

### Motor Voltage (Amp Draw)

120V 60Hz (0.17)

### External Power Supply

100-120VAC, 60Hz

**Power Cord Type** STP-2W

### Power Cord Plug End

Wall adapter power supply 100-120V, 60Hz 0.75A input, two prong, polarized 24VDC, 1.25A, Class II output

**Classification** Indoor/Outdoor

## Materials of Construction

**All Housings** Polycarbonate

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

**Pump Head Rollers** Polyethylene

**Suction/Discharge Tubing, Ferrules**

Polyethylene, FDA approved

**Tube Fittings** Polypropylene, NSF listed

### Check Valve Fittings

Type 1 Rigid PVC, NSF listed

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

**Suction Line Strainer** PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

**All Fasteners** Stainless steel

## Agency Listings



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



# ECON INTEGRATOR™ SERIES

## ECON INTEGRATOR™ - Flow Rate Output Chart 80 psi (5.5 bar) maximum

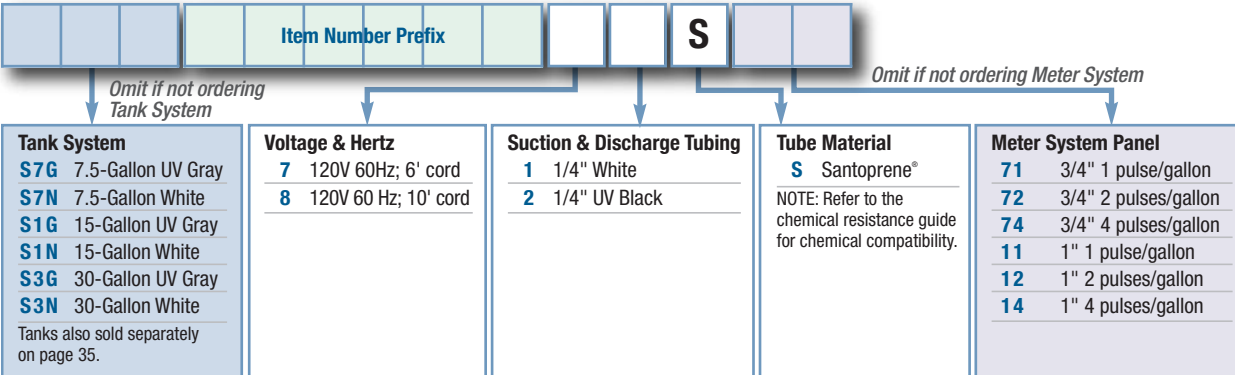
Item Number Prefix	Pump Tube	Roller Assembly	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E20RHF	F	White	10:1	4.5	0.19	24.0	0.40	17.01	0.71	708.8	11.8
E20RHG	G	Black	10:1	16.0	0.67	85.3	1.42	60.48	2.52	2520.0	42.0
E20RHH	H	Black	10:1	30.0	1.25	160.0	2.67	113.40	4.73	4725.0	78.8

### Approximate Maximum Output @ 50/60Hz

NOTE: Injection check valve included.

**NOTICE:** The information within this chart 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.

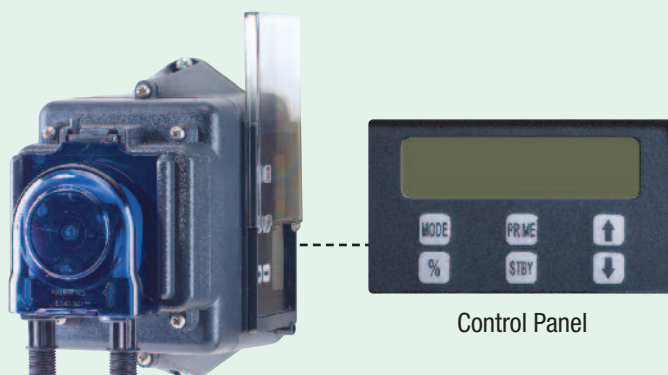
## Item Number Builder



## How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.

Tank System and Meter System are two separate systems and are not sold as one.



**ECON FP**



**ECON FP Meter System**



**ECON Tank System**

### Three Operating Modes

**SECONDS:** The pump can accept a dry (non-voltage) contact signal and will run for a set **time** in response to receiving the signal. There are five pump operating time ranges; the maximum time is displayed on the control panel. The run time is adjustable from 10% to 100% in 1% increments.  
 1 second = 0.1-1.0      5 seconds = 0.5-5.0      10 seconds = 1.0-10.0  
 20 seconds = 2.0-20.0      60 seconds = 6.0-60.0

**FLOW SWITCH:** The pump can accept a dry (non-voltage) contact signal from a 2 wire flow switch and will run at the set **speed** as long as it receives the dry contact. The pump speed is adjustable from 10% to 100% in 1% increments.

**AUXILIARY:** The pump can accept a 12-24 VAC/VDC signal from control equipment that responds to flow and will run at a set **speed** for as long as it receives the signal. The pump speed is adjustable from 10% to 100% in 1% increments.

### Quick Facts

- 4.5, 16.0, 30.0 gpd, pressures to 80 psi
- Digital keypad with LCD display
- 10:1 turndown, 1% increments
- Wall adapter power supply

### Multi-Functional, Flow Activated

The Econ FP is flow activated and offers a choice of three operational modes all in one pump. The pump can accept a dry contact signal or a 12-24 VAC/VDC signal from control equipment that responds to flow. Based on the mode of operation selected, the pump runs at a set time or a set speed in response to receiving a signal. The control panel displays one of three operating modes: Seconds, Flow Switch or Auxiliary. The pump is designed for light duty applications such as drinking water disinfection or pH adjustment for private water wells in homes or farms.

### Econ FP Meter System or Tank System

For convenient and quick installations or turnkey operations, the Econ FP Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel.

The pre-packaged tank system is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank. Select UV Gray for outdoor installations or translucent white.

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Effortless tube replacement without tools
- Enclosed housing
- Solid one piece tube construction
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372
- CE listed, varies by model

# ECON FP SERIES

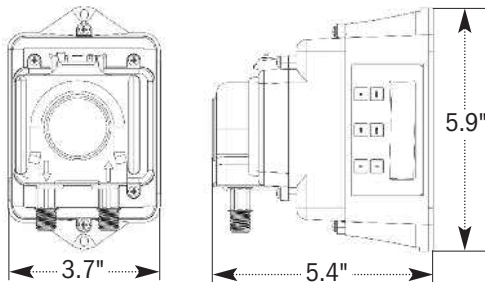
## Weights and Dimensions

### Pump

**Shipping Weight** 4 lbs (1.8 kg)

**Box Dimensions** 8 x 7 x 10 in. (20 x 18 x 25 cm)

### Product Dimensions



### Meter System

**Shipping Weight** 17 lbs (7.7 kg)

**Box Dimensions** 24 x 23 x 12 in. (61 x 58 x 30 cm)

## Accessory Kit Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm *EUROPE*
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white or UV black  
OR 6 mm white *EUROPE*
- 1 Additional pump tube
- 1 Manual

## Specifications

### Flow Rate Output Control

Six button control panel with LCD display

**Reproducibility**  $\pm 2\%$

**Maximum Working Pressure** 80 psi (5.5 bar)

**Maximum Operating Temperature** 104°F (40°C)

### Maximum Suction Lift

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

**Motor Type** 24VDC, brushless

**Shaft rpm** 60

**Duty Cycle** Continuous

**Motor Voltage (Amp Draw)** 120V 60Hz (0.17)

**Motor Voltage (Watts)** 240V 50Hz (10)

**External Power Supply** 100-120V, 60Hz

**Power Cord Type** STP-2W

### Power Cord Length

6 ft (1.83 m)

10 ft (3.05 m)

### Power Cord Plug End

Wall adapter power supply 100-120V, 60Hz,  
0.75A input, two prong, polarized 24VDC, 1.25A,  
Class II output

**Classification** Indoor/Outdoor

## Materials of Construction

**All Housings** Polycarbonate

**Pump Tube & Check Valve Duckbill**

Santoprene®, FDA approved

**Pump Head Rollers** Polyethylene

**Suction/Discharge Tubing, Ferrules**

Polyethylene, FDA approved

**Tube Fittings** Polypropylene, NSF listed

### Check Valve Fittings

Type 1 Rigid PVC, NSF listed

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

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

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

**All Fasteners** Stainless steel

## Agency Listings



IP44

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

## ECON FP - Flow Rate Output Chart 80 psi (5.5 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
<b>E20PHF</b>	F	White	10:1	4.5	0.19	24.0	0.40	17.01	0.71	708.8	11.8
<b>E20PHG</b>	G	Black	10:1	16.0	0.67	85.3	1.42	60.48	2.52	2520.0	42.0
<b>E20PHH</b>	H	Black	10:1	30.0	1.25	160.0	2.67	113.40	4.73	4725.0	78.8
Approximate Maximum Output @ 50/60Hz											

NOTE: Injection check valve included.

**NOTICE:** The information within this chart 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.

## Item Number Builder

Item Number Prefix

S

Omit if not ordering Tank System

Omit if not ordering Meter System

**Tank System**  
**S7G** 7.5-Gallon UV Gray  
**S7N** 7.5-Gallon White  
**S1G** 15-Gallon UV Gray  
**S1N** 15-Gallon White  
**S3G** 30-Gallon UV Gray  
**S3N** 30-Gallon White  
 Tanks also sold separately on page 35.

**Voltage & Hertz**  
**7** 120V 60Hz; 6' cord  
**8** 120V 60Hz; 10' cord  
**9** 240V 50Hz; 6' cord, CE plug

**Suction & Discharge Tubing**  
**1** 1/4" White  
**2** 1/4" UV Black  
**5** 6 mm White *EUROPE*  
 O.D. does not affect output.

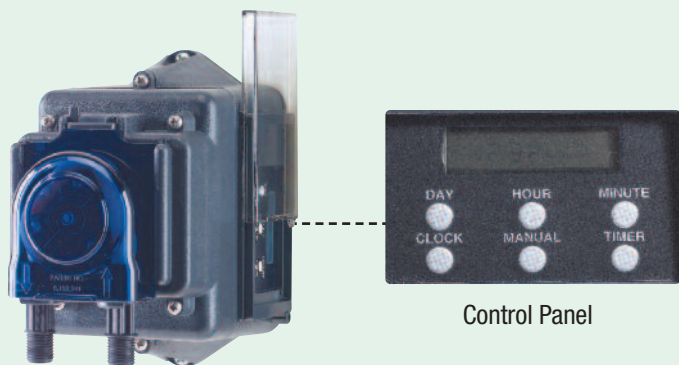
**Tube Material**  
**S** Santoprene®  
 NOTE: Refer to the chemical resistance guide for chemical compatibility.

**Meter System Panel\***  
**71** 3/4" 1 pulse/gallon  
**72** 3/4" 2 pulses/gallon  
**74** 3/4" 4 pulses/gallon  
**11** 1" 1 pulse/gallon  
**12** 1" 2 pulses/gallon  
**14** 1" 4 pulses/gallon

### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.

Tank System and Meter System are two separate systems and are not sold as one.



**ECON T**



**ECON Tank System**

### Quick Facts

- 2.5-15.0 gpd, pressures to 25 psi
- 0.6-21.7 gpd, pressures to 80 psi
- Digital keypad with LCD display
- Adjustable run time per event
- Wall adapter power supply

### Automatic Dosing Control for Timed Applications

The Econ T provides automatic injection and offers flexibility with the dosing schedule for a variety of timed applications. The pump has a 24 hour / 7 day integral timer and is programmed with the digital control pad. The control pad has display indicators for the days of the week, the operating mode and the timers (events). The pump is programmed with the Day, Hour, Minute, Clock, Manual and Timer buttons on the control pad.

Some examples of applications are enzyme injection for drain line maintenance and biocide feed for small cooling towers or water fountains. For installation convenience, the Econ T is available as a Tank System, shipped from the factory with the pump pre-mounted to the tank.

### How It Works

The Econ T has 24 independent programmable on and off events within a 7 day period. Each event can be programmed for a specific On time and specific Off time for each selected day or days of the week. Each timer can be set in hour and minute increments. The programmable clock uses a 24 hour format. A battery is included as a back-up to power loss, to maintain the internal time and programmed event settings. When the pump is operating, the screen displays the current day, time of day, and the mode of operation.

### Features

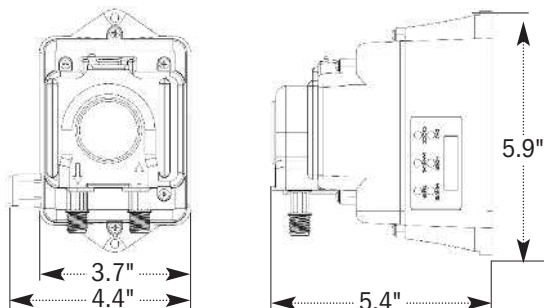
- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Effortless tube replacement without tools
- Enclosed housing
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372
- NSF 50 (25 psi models only)
- CE listed, varies by model

## Weights and Dimensions

**Shipping Weight** 4 lbs (1.8 kg)

**Box Dimensions** 8 x 7 x 10 in. (20 x 18 x 25 cm)

**Product Dimensions**



## Accessory Kit Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm *EUROPE*
- 1 Injection check valve 80 psi (5.5 bar)  
OR 1 injection fitting 25 psi (1.7 bar)
- 1 Weighted suction line strainer 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white or UV black  
OR 6 mm white *EUROPE*
- 1 Additional pump tube
- 1 Manual

## Specifications

### Flow Rate Output Control

24-hr programmable clock; 7 day, 24 event timer

**Reproducibility**  $\pm 5\%$

### Maximum Working Pressure

80 psi (5.5 bar) and 25 psi (1.7 bar)

**Maximum Operating Temperature** 104°F (40°C)

### Maximum Suction Lift

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

**Motor Type** 24VDC, brushed

**Shaft rpm** 9, 18 or 40

**Duty Cycle** Continuous

**Motor Voltage (Amp Draw)** 120V 60Hz (0.17)

**Motor Voltage (Watts)** 240V 50Hz (10)

### External Power Supply

100-120V, 60Hz

**Power Cord Type** STP-2W

### Power Cord Plug End

Wall adapter power supply 100-120V, 60Hz, 0.75A input, two prong, polarized 24VDC, 1.25A, Class II output

**Classification** Indoor/Outdoor

## Materials of Construction

**All Housings** Polycarbonate

### Pump Tube & Check Valve Duckbill

Santoprene®, FDA approved

**Pump Head Rollers** Polyethylene

### Suction/Discharge Tubing, Ferrules

Polyethylene, FDA approved

**Tube Fittings** Polypropylene, NSF listed

### Check Valve Fittings

Type 1 Rigid PVC, NSF listed

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

**Suction Line Strainer** PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

**All Fasteners** Stainless steel

## Agency Listings

25 psi models tested and certified by Intertek to Standard ANSI/NSF 50, Equipment for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities.



IP44

Listings vary by model

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

# ECON T SERIES

### ECON T - Flow Rate Output Chart 25 psi (1.7 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Pressure psi	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute	Pressure bar
E10T1A	A	White	2.5	0.10	13.2	0.22	25	9.5	0.39	396.0	6.60	1.7
E10T2A	A	White	5.0	0.21	26.4	0.44	25	18.9	0.79	786.0	13.10	1.7
E10T2B	B	White	8.5	0.35	45.6	0.76	25	32.2	1.34	1338.0	22.30	1.7
E10T2C	C	White	15.0	0.63	79.8	1.33	25	56.8	2.37	2364.0	39.40	1.7
			Approximate Maximum Output @ 50/60Hz									

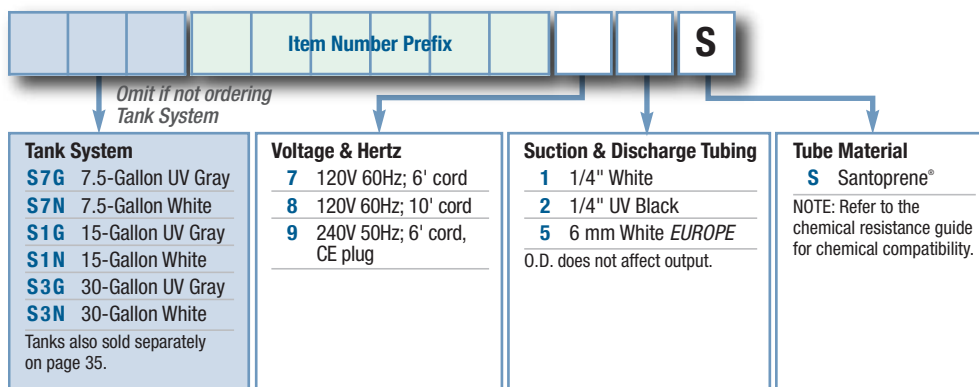
### ECON T - Flow Rate Output Chart 80 psi (5.5 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Pressure psi	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute	Pressure bar
E10T1F	F	White	0.6	0.02	3.0	0.05	80	2.2	0.09	90.0	1.50	5.5
E10T2F	F	White	1.3	0.05	6.6	0.11	80	4.8	0.20	198.0	3.30	5.5
E20T4F	F	White	3.4	0.14	18.0	0.30	80	13.1	0.54	544.8	9.08	5.5
E20T4G	G	Black	12.3	0.51	65.4	1.09	80	46.5	1.94	1937.4	32.29	5.5
E20T4H	H	Black	21.7	0.90	115.2	1.92	80	82.0	3.41	3416.4	56.94	5.5
			Approximate Maximum Output @ 50/60Hz									

NOTE: Injection check valve included with pumps rated 80 psi (5.5 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.

### Item Number Builder



1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.





**OEM**

Stenner's custom OEM pump can be designed with the customer's supplied motor and gearbox. A standard OEM bracket is provided, or a custom bracket can be designed. The pump is offered with a brushless or brushed DC motor, and as an open or enclosed version.

Enclosed versions offer an optional internal power supply and customizable power cord for 100-240VAC, 50/60Hz. The customer selects the fixed output from ranges of 0.04 ounces per hour to 2.08 gallons per hour, up to 80 psi (1.3 milliliters per hour to 7.88 liters per hour, up to 5.5 bar).



**OEM BATCH**

On/Off Switch

The custom OEM batch pump is factory programmed to run a specific length of time when manually activated by an integral switch or can be designed to activate with an input signal. The customer selects the pump run time from 0.1 seconds to 24 hours per activations.

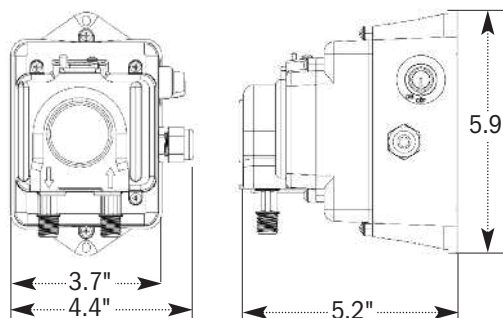
The pre-set fluid volume choices are up to 50 gallons per day, up to 80 psi (189.3 liters per day, up to 5.5 bar). The pump is supplied with a 24VDC brushless motor and a customizable power cord for 100-240VAC, 50/60Hz. The pump can also be supplied without an internal power supply.

## Weights and Dimensions

**Shipping Weight** 4 lbs (1.8kg)

**Box Dimensions** 8 x 7 x 10 in. (20 x 18 x 25 cm)

**Product Dimensions**



## Features

- Patented quick release pump head
- Anti-siphon 3 point roller design
- Indoor/Outdoor
- Select custom color
- Optional tube materials
- Dual bearing support output shaft
- Serviceable liquid end, gear train & motor
- Agency approvals available
- Voltage options

# ECON LD SERIES



**ECON LD**



Potentiometer



**ECON Tank System**

## Quick Facts

- 0.04-8.1 oz/hr, pressures to 80 psi
- Adjustable potentiometer
- 50:1 turndown

## Accurate Low Volume Metering

The Econ LD is a precise, compact variable speed peristaltic pump designed for metering low volumes when reliability and accuracy are a must. Ideal for pumping flocculants, coagulants, sanitizers, and a variety of solutions. The quiet, long lasting brushless motor, in a totally enclosed housing, offers premium quality in a compact pump.

The design incorporates the latest microprocessor technology with a simple potentiometer control and on/off switch. The potentiometer has a 50:1 turndown offering a wide range of outputs. Adjusting the potentiometer clockwise gradually increases the pump speed to 100%. Turning the potentiometer fully counter-clockwise turns the pump off.

## Accessory Kit Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4"
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white
- 1 Additional pump tube
- 1 Manual

## Features

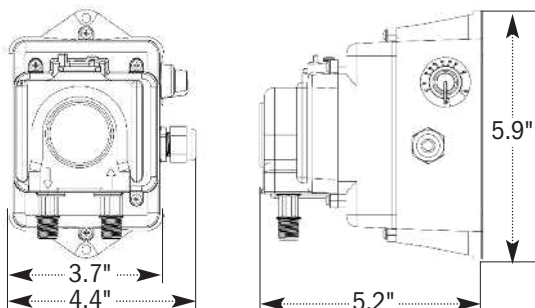
- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Effortless tube replacement without tools
- Brushless motor
- Enclosed housing
- Optional mounting accessories available
- Tank System ships with pump pre-mounted to the tank.
- cULus for indoor/outdoor use
- CE listed, varies by model

## Weights and Dimensions

**Shipping Weight** 4 lbs (1.8kg)

**Box Dimensions** 8 x 7 x 10 in. (20 x 18 x 25 cm)

## Product Dimensions



## ECON LD - Flow Rate Output Chart 80 psi (5.5 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Turndown Ratio	Ounces per Hour	Milliliters per Hour
<b>E10LHM</b>	M	White	50:1	0.04 to 2.4	1.3 to 70.0
<b>E10LHF</b>	F	White	50:1	0.11 to 8.1	3.2 to 240.0

Approximate Maximum Output @ 50/60Hz

NOTE: Injection check valve included.

**NOTICE:** The information within this chart 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.

## Item Number Builder



Omit if not ordering Tank System

### Tank System

- S7G** 7.5-Gallon UV Gray
- S7N** 7.5-Gallon White
- S1G** 15-Gallon UV Gray
- S1N** 15-Gallon White
- S3G** 30-Gallon UV Gray
- S3N** 30-Gallon White

Tanks also sold separately on page 35.

### Voltage & Hertz

- A** 120V 60Hz
- C** 230V 50Hz

### Suction & Discharge Tubing

- 1** 1/4" White
  - 5** 6 mm White *EUROPE*
- O.D. does not affect output.

### Tube Material

- S** Santoprene®

NOTE: Refer to the chemical resistance guide for chemical compatibility.

### How to build an Item Number

1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
3. Select the remaining options to complete the item number.

## Specifications

**Flow Rate Output Control** Potentiometer, 50:1 Turndown

**Reproducibility** ±2%

**Maximum Working Pressure** 80 psi (5.5 bar)

**Maximum Operating Temperature** 104°F (40°C)

**Maximum Suction Lift** 25 ft (7.6 m) vertical lift, based on water

**Motor Type** 24VDC, brushless

**Shaft rpm** 17

**Duty Cycle** Continuous

**Max Viscosity** 50 Centipoise

**Motor Voltage (Amp Draw)** 120V 60Hz, 230V 50Hz (0.17)

**Power Cord Type** SJTOW for NEMA plugs, H05VV-F for CE

**Power Cord Length** 6 ft (1.8 m)

**Power Cord Plug End** NEMA, Swiss, CE

**Classification** Indoor & outdoor

## Materials of Construction

**All Housings** Polycarbonate

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

**Pump Head Rollers** Polyethylene

**Suction/Discharge Tubing, Ferrules** Polyethylene, FDA approved

**Tube Fittings** Polypropylene, NSF listed

**Check Valve Fittings** Type 1 Rigid PVC, NSF listed

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

**Suction Line Strainer** PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

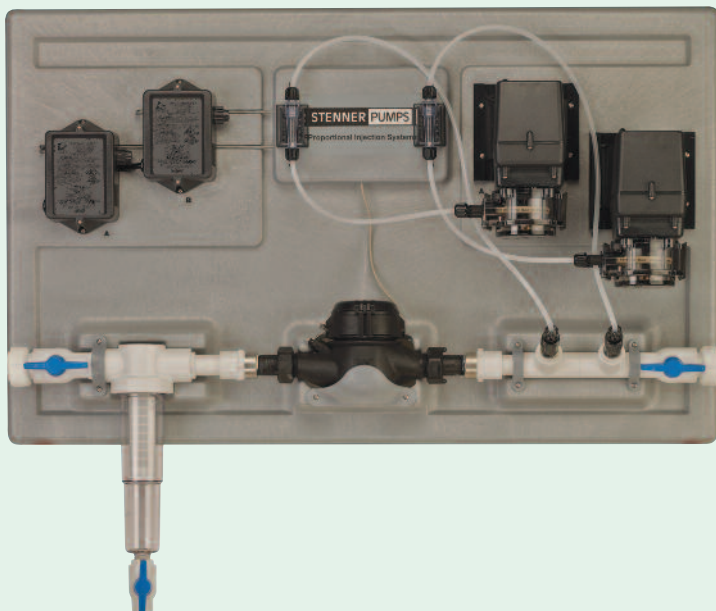
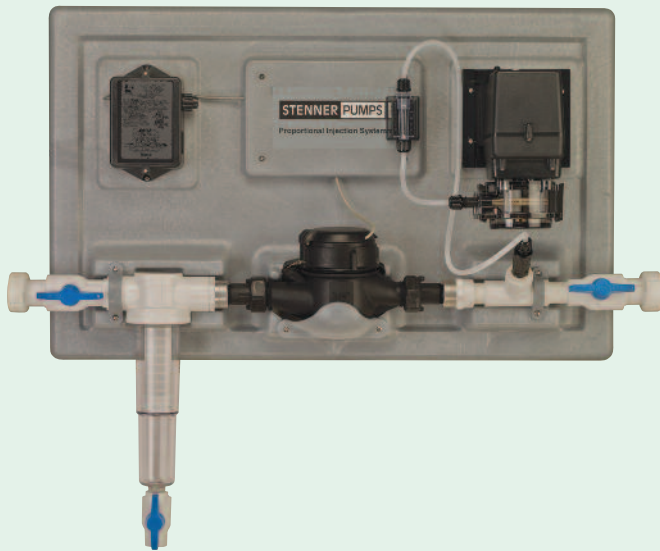
**All Fasteners** Stainless steel

## Agency Listings



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

# PROPORTIONAL INJECTION SYSTEM



Proportional Injection Systems - Single and Dual

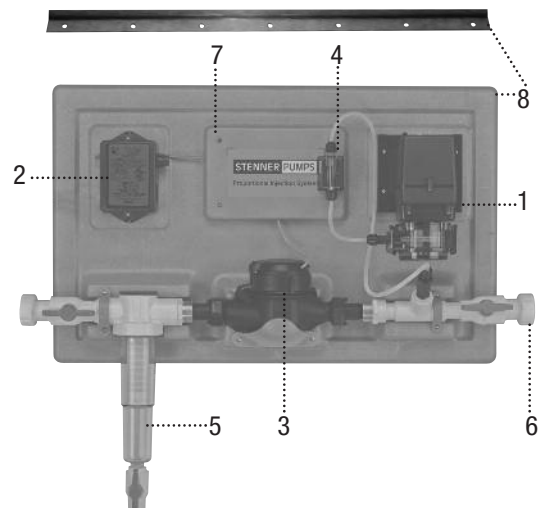
## Proportional Metering in a Pre-Packaged System

The Proportional Injection System doses solution that is proportional to the system's flow rate based on water volume. The water meter sends a signal to the PCM which actuates the pump. Components are pre-mounted to a heavy duty panel for quick installation and convenient equipment accessibility.

The system is suited for constant pressure (variable speed) well pumps, poultry and livestock houses, irrigation, systems with demand based backup wells and any application with varying flow rates.

## Components

- 1 Classic single head fixed output pump
- 2 PCM
- 3 Plastic 3/4" dry contact water meter, certified by WQA to ANSI/NSF 372, low lead
- 4 Flow Indicator to confirm pump is operating
- 5 Filter with 30 and 100 mesh screens
- 6 Unions for easy installation and removal
- 7 Cabinet keeps cords and wires contained
- 8 Heavy duty panel and wall mounting bracket



## Weights and Dimensions

### Shipping Weight

- Single: 29 lbs (13.2 kg)
- Dual: 42 lbs (19.0 kg)

### Box Dimensions

- Single: 36 x 23 x 12 in. (91 x 58 x 30 cm)
- Dual: 43 x 27 x 12 in. (109 x 69 x 30 cm)

## Item Number Builder

			1					
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**System**  

<b>S</b>	Single
<b>D</b>	Dual

**Classic Single Head Fixed Pump**  

	gpd	lpd	Model
<b>03</b>	3	11.4	45MPHP2
<b>05</b>	5	18.9	85MPHP5
<b>10</b>	10	37.9	45MPHP10
<b>17</b>	17	64.4	85MPHP17
<b>22</b>	22	83.3	45MPHP22
<b>40</b>	40	151.4	85MPHP40

**Pump & PCM Voltage**  

<b>1</b>	120V 60Hz
----------	-----------

**PCM**  

	Operating Range (sec.)	Model
<b>01</b>	0.1 to 1.0	PCM1
<b>05</b>	0.5 to 5.0	PCM5
<b>10</b>	1.0 to 10.0	PCM10
<b>20</b>	2.0 to 20.0	PCM20

**Plastic Water Meter**  

<b>341P</b>	3/4" 1 pulse/gallon
<b>342P</b>	3/4" 2 pulses/gallon
<b>344P</b>	3/4" 4 pulses/gallon

## Specifications

**Flow Rate Output Control** Water meter and PCM

**Voltage** 120V 60Hz

## Materials of Construction

**Panel & Panel Fittings** Polyethylene

**Mounting Hardware** Stainless steel

**Piping and Associated Fittings** PVC

**Water Meter** Plastic lead free (certified with WQA/ANSI-372)

**Filter** PVC with polycarbonate cover and two polyester screens 30 and 100 mesh

NOTE: PVC connections are socket weld union 3/4" connections. Two 1" to 3/4" reducer couplings are included in the accessory kit to allow unit to adapt to 1" piping systems.



**7.5-Gallon (28.4 Liters)**



**15-Gallon (56.8 Liters)**



**30-Gallon (113.6 Liters)**

### Materials of Construction

**Tank** Polyethylene

**Lid with child resistant lock** Polypropylene

**Grommets** Viton

**Screws** Stainless steel

### Agency Listings



### How It Works

The Tank System consists of a tank and pump. The system is factory assembled with your pump choice: Classic single head adjustable or fixed, M128 or Econ and your tank choice: 7.5, 15, 30 gallon, in white or UV resistant gray.

### Features

- Includes rain roof to help protect motor (Classic series only)
- Pump is vertically mounted for solution containment
- Child resistant lid
- Polyethylene construction is lightweight and rugged

### Weight and Dimensions

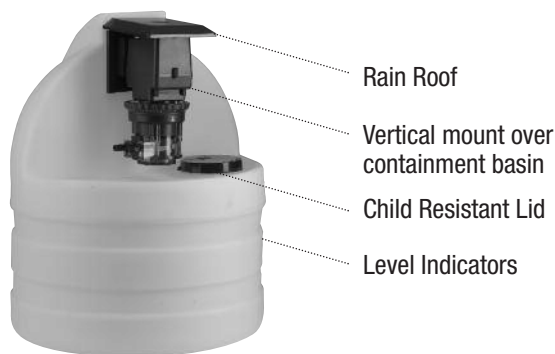
#### Shipping Weight and Box Dimensions

Tank Size	Shipping Weight			Box Dimensions
	Classic Adjustable or M128	Classic Fixed	Econ	
7.5-Gallon	24 lbs (10.9 kg)	23 lbs (10.4 kg)	19 lbs (8.6 kg)	23 x 23 x 20 in. (58 x 58 x 51 cm)
15-Gallon	27 lbs (12.3 kg)	26 lbs (11.8 kg)	22 lbs (10.0 kg)	23 x 23 x 26 in. (58 x 58 x 66 cm)
30-Gallon	33 lbs. (15.4 kg)	32 lbs (14.5 kg)	28 lbs (12.7 kg)	23 x 23 x 38 in. (58 x 58 x 97 cm)

NOTE: Build a tank system item number on pages 4, 5, 16, 19, 22, 25, 28, 31.

### Product Dimensions

- 7.5-Gallon: 20.5 OD x 19.6 in. (52.1 OD x 49.8 cm)
- 15-Gallon: 20.5 OD x 25.3 in. (52.1 OD x 64.1 cm)
- 30-Gallon: 20.5 OD x 37.5 in. (52.1 OD x 95.3 cm)



Tank system shown with Classic Series single head adjustable pump



# TANKS

7.5, 15, 30 Gallon  
UV Gray  
Translucent White



7.5-Gallon (28.4 Liters)



15-Gallon (56.8 Liters)



30-Gallon (113.6 Liters)

## Materials of Construction

**Tank** Polyethylene

**Lid with child resistant lock** Polypropylene

**Grommets** Viton

**Screws** Stainless steel

## Agency Listings



## Quick Facts

- UV resistant gray or translucent white
- 7.5, 15 or 30 gallon
- Child resistant lid
- Polyethylene construction
- Lightweight

## Weights and Dimensions

### Shipping Weight and Box Dimensions

Tank Size	Shipping Weight	Box Dimension
7.5-Gallon	15 lbs (6.8 kg)	23 x 23 x 20 in. (58 x 58 x 51 cm)
15-Gallon	18 lbs. (8.2 kg)	23 x 23 x 26 in. (58 x 58 x 66 cm)
30-Gallon	24 lbs (10.9 kg)	23 x 23 x 38 in. (58 x 58 x 97 cm)

### Product Dimensions

- 7.5-Gallon: 20.5 OD x 19.6 in. (52.1 OD x 49.9 cm)
- 15-Gallon: 20.5 OD x 25.3 in. (52.1 OD x 64.1 cm)
- 30-Gallon: 20.5 OD x 37.5 in. (52.1 OD x 95.3 cm)

## Tanks

Includes screws and grommets

ITEM NUMBER	UM	DESCRIPTION	Works with
STS7GC	EA	7.5-Gallon Gray	Classic 45 & 85 / M128 / All Econ Pumps
STS7NC	EA	7.5-Gallon White	
STS15GC	EA	15-Gallon Gray	
STS15NC	EA	15-Gallon White	
STS30GC	EA	30-Gallon Gray	
STS30NC	EA	30-Gallon White	

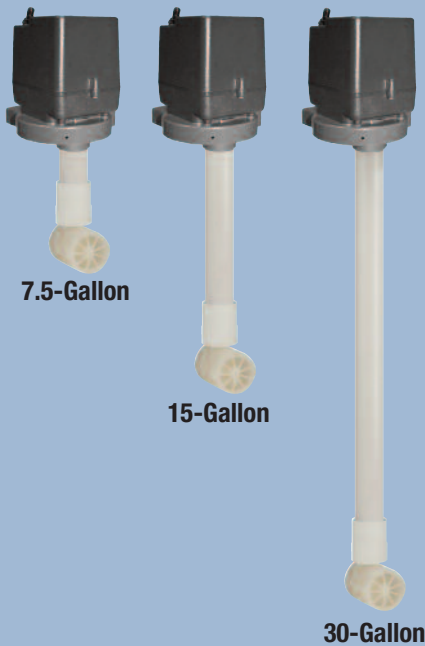
\* Econ Mounting Kit **EC303** required and sold separately on page 52.

## Tanks

Includes screws, grommets and pump mounting kit

ITEM NUMBER	UM	DESCRIPTION	Works with
STS7G-02	EA	7.5-Gallon Gray	SVP Series only
STS7N-02	EA	7.5-Gallon White	
STS15G-02	EA	15-Gallon Gray	
STS15N-02	EA	15-Gallon White	
STS30G-02	EA	30-Gallon Gray	
STS30N-02	EA	30-Gallon White	





### How It Works

The Mixer is utilized in applications for injecting solutions difficult to keep in suspension. It has been designed to retro-fit existing Stenner tank systems and tanks and modifications are not required. The mixer is intended for intermittent use applications and is available in 7.5, 15 and 30 gallon and 120V or 220V.

### Features

The Mixer's design creates a rapid flow in a circular path. The speed and constant movement delivers high volume output for constant mixing to help keep the chemical in solution and prevent it from settling out around the outer edges of the solution tank.

The mixing head is sealed to keep it from getting entangled with the suction line. The sealed design eliminates the need for a suction line guard.

The mixer is easily installed by placing the unit in the solution tank opening, then, attaching the safety screws with a Phillips head screwdriver and plugging it in.

### Weights and Dimensions

#### Shipping Weight

- 7.5-Gallon: 6.6 lbs (3.0 kg)
- 15-Gallon: 7.4 lbs (3.4 kg)
- 30-Gallon: 9.4 lbs (4.3 kg)

#### Box Dimensions

- 7.5-Gallon: 16 x 10 x 10 in. (40.6 x 25.4 x 25.4 cm)
- 15-Gallon: 22 x 10 x 10 in. (55.9 x 25.4 x 25.4 cm)
- 30-Gallon: 33 x 10 x 10 in. (83.8 x 25.4 x 25.4 cm)

### Specifications

#### Maximum Operating Temperature

125°F (52°C)

#### Motor Type

1/30 HP, shaded pole, class B

#### Motor rpm

Approximately 3600

#### Duty Cycle

Continuous

#### Motor Voltage (Amp Draw)

120V 60Hz 1PH (1.7)

220V 60Hz 1PH (0.9)

#### Power Cord Type

SJTOW

#### Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/15

### Materials of Construction

#### Motor Housing

Polycarbonate

#### Wetted Parts

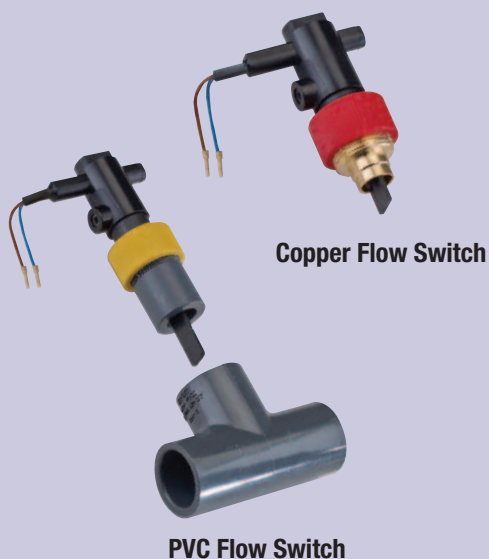
Nylon, Fiberglass, Santoprene®, PE, PVC, NSF approved or FDA compliant Hastelloy

#### All Fasteners

Stainless steel

### Mixer Models

ITEM NUMBER	UM	DESCRIPTION
<b>SMS75A</b>	EA	7.5-Gallon, 120V 60Hz
<b>SMS75B</b>	EA	7.5-Gallon, 220V 60Hz
<b>SMS15A</b>	EA	15-Gallon, 120V 60Hz
<b>SMS15B</b>	EA	15-Gallon, 220V 60Hz
<b>SMS30A</b>	EA	30-Gallon, 120V 60Hz
<b>SMS30B</b>	EA	30-Gallon, 220V 60Hz



## Specifications

**Switching Function** Contact closes at increasing flow, opens at decreasing flow

**Pressure Rating** Maximum 145 psi\*

**Medium Temperature**  
Maximum +212°F\* (+100°C)

**Ambient Temperature** Maximum  
+158°F\* (+70°C)

**Protection Class** IP 65

**Switching Current** Maximum 1A

**Switching Voltage** Maximum 230VAC, 48VDC

**Switching Capacity** Maximum 26VA, 20W

## Materials of Construction

**Body/Paddle System** PPO Noryl GFN3

### Adapter

PVC: Glue-in,  
Copper: Brass, soldering

**Gasket** EPDM

**Magnet** Hard Ferrite

**Cable** PVC

## Agency Listings

- cETLus Component Recognized
- UL 508
- UL 353
- CSA C22.2#14-05
- Water Regulations Advisory Scheme

\* Values for flow switch, observe maximum values of PVC slip fit tee or maximum values of copper pipe.

## How It Works

In residential or light commercial applications, water treatment professionals can use a metering pump activated by a flow switch for applications such as disinfection, oxidation or pH adjustment. Stenner offers a dry contact, two wire flow switch for a PVC tee or copper pipe. Both are a paddle style with glass fiber reinforced plastic construction. The design uses a magnetic force to reset the paddle to eliminate spring fatigue. Stenner's Econ FP or Econ Integrator™ pumps are designed to interface with a two wire flow switch that accepts a dry contact.

## Features

The flow switch for PVC includes a glue-in adapter for easy mounting to a standard PVC slip fit tee. The flow switch for copper has an adapter for soldering to copper pipe. The nominal activation points are based on installation into a Spears 3/4" or 1" schedule 80 PVC tee or an industry standard, smooth 3/4" or 1" copper pipe. The activation points are 1.2 gallons per minute for 3/4" and 1.9 gallons per minute for the 1" flow switch. A wiring harness is included with the Econ FP and the Econ Integrator™ for an easy connection to the dry contact flow switch.

Flow Switch		
ITEM NUMBER	UM	DESCRIPTION
EC500	EA	3/4" for PVC pipe
EC501	EA	1" for PVC pipe
EC50C	EA	3/4" for copper pipe
EC51C	EA	1" for copper pipe

# PCM



PCM

Potentiometer

## Materials of Construction

**Housings** Polycarbonate

**Timer** Microcontroller with triac output

**Turndown Ratio** 10:1

**Input Signal** Non-voltage dry contact, water meter

**Reset Time** Immediate

**Minimum Signal Durations** 10 milliseconds

**Input Electrical** 120V 60Hz

**No Load Current** 0.45mA AC maximum

**Output Electrical**

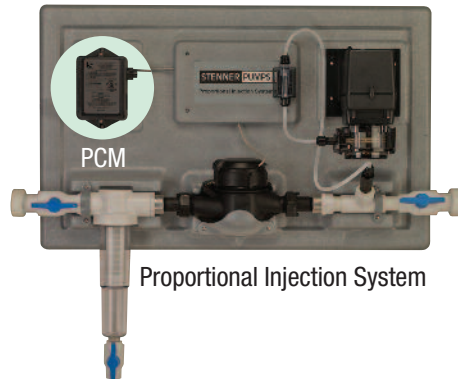
Maximum device load, 1.8 amp at 120V

## Agency Listings



## How It Works

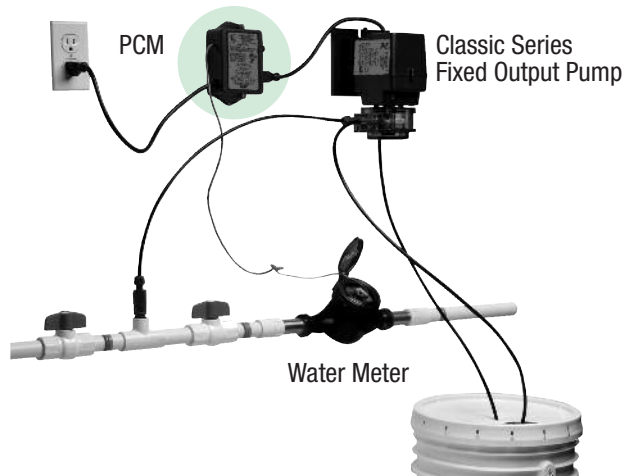
The PCM is a time adjustable controller utilized with Stenner's fixed output pump and a pulsing dry contact water meter for applications requiring proportional injection. The water meter sends a signal to the PCM and the PCM actuates the pump to deliver the desired dose based upon water volume. The PCM is a component in Stenner's Proportional Injection System.



Proportional Injection System

## Customize Your Own Proportional Feed Installation

Individually select a PCM, a Classic Series single head fixed output pump and water meter. The components are sold separately.



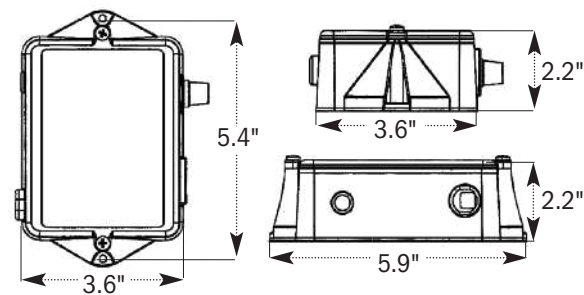
## Features

- Chemical resistant ABS plastic housing
- On-time duration set with knob adjustment with locking feature
- 10' power cord and jacketed signal input cable

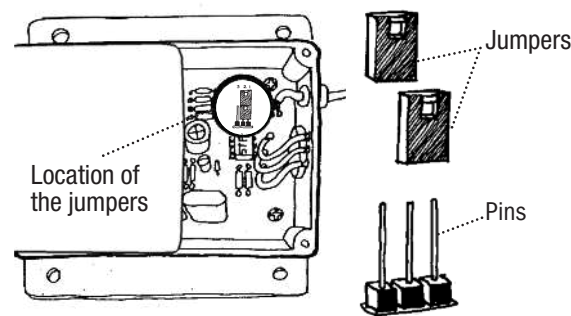
Weights and Dimensions

Shipping Weight 2 lbs (0.9 kg)

Box Dimensions 9 x 8 x 7 in. (23 x 20 x 18 cm)



The PCM's operating range can be converted by changing the position of the jumpers on the circuit board so another model doesn't have to be purchased.



PCM Models		
ITEM NUMBER	UM	DESCRIPTION
PCM1	EA	0.1 to 1.0 Second
PCM5	EA	0.5 to 5.0 Seconds
PCM10	EA	1.0 to 10.0 Seconds
PCM20	EA	2.0 to 20.0 Seconds



Plastic Water Meter

## Flow Rates\*

Size	Flow Rate gpm	Pulses Per Gallon			
3/4"	0.25 to 22	1	2	4	10
1"	0.75 to 50	1	2	4	10
1 1/2"	2.0 to 100	1	2	4	n/a

\* Continuous Flow: The meter size should be selected based upon continuous flow, gpm, as opposed to pipe size.

## Specifications

**Accuracy**  $\pm 2\%$  when operating between minimum and maximum flow range

**Temperature Range** 35-122°F (1.7-50°C)

**Pressure Ratings** 15-100 psi (1.0-6.9 bar)

**Maximum Current** 20mA

**Maximum Voltage** 24VDC or 24VAC

**Sensor** Reed Switch

**Cable Length** 6 ft (1.8 m)

## Materials of Construction

**Body\*\*** Engineered reinforced plastic (nylon)

**Internal** Engineered thermoplastic

**Magnet** Alnico

\*\* 1 1/2 " meter may include plastic or lead free brass couplings.

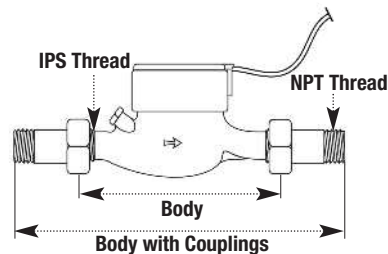
## How It Works

The plastic water meter doesn't require power and utilizes a reed switch to provide a pulsing dry contact signal. The meter is certified by WQA to ANSI/NSF 372, low lead.

The 3/4" or 1" meter is included with the Econ or M128 Meter Systems. The 3/4" is included with the Proportional Injection System. Purchase components individually to assemble your own system.

## Weights and Dimensions

SIZE	SHIPPING WEIGHT	BODY	BODY WITH COUPLINGS	IPS THREAD	NPT THREAD
3/4"	2 lbs (1.0 kg)	7.5" (19.1 cm)	11.5" (29.2 cm)	1"	0.75"
1"	3 lbs (1.4 kg)	10.25" (26.0 cm)	15.25" (38.7 cm)	1.25"	1"
1 1/2"	6 lbs (2.7 kg)	9.63" (24.4 cm)	14.75" (37.5 cm)	2"	1 1/2"



## Plastic Meters

ITEM NUMBER	UM	SIZE	PPG
JLP0750-1PPG	EA	3/4"	1 pulse/gallon
JLP0750-2PPG			2 pulses/gallon
JLP0750-4PPG			4 pulses/gallon
JLP0750-10PPG			10 pulses/gallon
JLP1000-1PPG	EA	1"	1 pulse/gallon
JLP1000-2PPG			2 pulses/gallon
JLP1000-4PPG			4 pulses/gallon
JLP1500-1PPG	EA	1.5"	1 pulse/gallon
JLP1500-2PPG			2 pulses/gallon
JLP1500-4PPG			4 pulses/gallon

# WATER METER



**Stainless Steel Water Meter**

## Flow Rates

**Continuous Flow\*** 80 gallons per minute

**Flow Range** 1-160 gallons per minute

**Pulses per Gallon** 1, 2, 4

\* The size of the meter should be based upon continuous flow and gallons per minute as opposed to pipe size.

## Specifications

**Accuracy**  $\pm 1.5\%$  of maximum flow when operating between minimum and maximum flow range

**Maximum Operating Pressure** 150 psi (10.3 bar)

**pH Level Range** 6.5-8.0

**Temperature Range** 35-122°F (1.7-50°C)

Protect the meter from freezing

**Maximum Current** 20mA

**Maximum Voltage** 24VDC or 24VAC

**Sensor** Reed switch, dry contact type, normally open

**Cable Length** 6 ft (1.8 m)

**Register** US gallons

## Materials of Construction

**Body** Stainless steel

**Internal** Engineered thermoplastic

**Magnet** Alnico

## How It Works

The stainless steel water meter doesn't require power and utilizes a reed switch to provide a pulsing dry contact signal. The meter is certified by WQA to ANSI/NSF 372, low lead.

The meter is sold separately for selecting products individually for a proportional feed installation.

## Weights and Dimensions

**Shipping Weight** 12 lbs (5.4 kg)

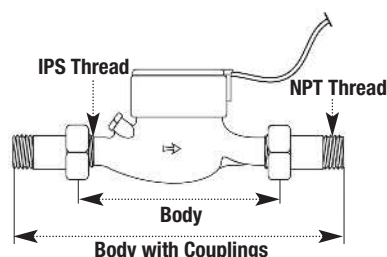
### Dimensions

Body: 11.9 in. (30.1 cm)

Body with Couplings: 17.5 in. (44.5 cm)

IPS Thread: 2.5 in. (6.4 cm)

NPT Thread: 2.0 in. (5.1 cm)



## Stainless Steel Meters

ITEM NUMBER	UM	SIZE	PPG
<b>SSMRS20-1PPG</b>	EA	2"	1 pulse/gallon
<b>SSMRS20-2PPG</b>			2 pulses/gallon
<b>SSMRS20-4PPG</b>			4 pulses/gallon

NOTE: Two week lead time for non-stocked meters. Contact factory to confirm availability.



VPD Water Meter

Flow Rates

**Continuous Flow\*** 16 gallons per minute

**Flow Range** 0.1-22 gallons per minute

\* The size of the meter should be based upon continuous flow and gallons per minute as opposed to pipe size.

Specifications

**Accuracy** ±2% of maximum flow when operating between minimum and maximum flow range

**Maximum Operating Pressure** 150 psi (10.3 bar)

**Temperature Range** 35-122°F (1.7-50°C)  
Protect the meter from freezing

**Maximum Current** 20mA

**Maximum Voltage** 24VDC or 24VAC

**Sensor** Reed switch, dry contact type, normally open

**Cable Length** 6 ft (1.8 m)

**Register** US gallons or liters

Materials of Construction

**Body** Engineered reinforced plastic (nylon)

**Internal** Engineered thermoplastic

How It Works

The vertical positive displacement, oscillating piston, water meter doesn't require power and utilizes a reed switch to provide a pulsing dry contact signal. Although designed for vertical installation, the meter can be installed horizontally or on an incline, provided the meter remains full of water. The meter has a built-in back flow preventer and is housed in an engineered plastic with corrosion resistant liquid-sealed register for easy reading.

Weights and Dimensions

**Shipping Weight** 1.8 lbs (0.80 kg)

Dimensions

Body: 6.5 in. (16.51 cm)

Body with Couplings: 10.5 in. (26.67 cm)

IPS Thread: 1.0 in. (2.54 cm)

NPT Thread: 0.75 in. (1.9 cm)

VPD Meters			
ITEM NUMBER	UM	SIZE	PPG
VPD0750-1PPG	EA	3/4"	1 pulse/gallon
VPD0750-1PPL			1 pulse/liter

NOTE: Two week lead time for non-stocked meters. Contact factory to confirm availability.



# PUMP TUBES

## QuickPro® PUMP LINE ECON PUMP LINE



### QuickPro® PUMP LINE - Pump Tube

Includes ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
UCCP20	2-PK	Santoprene® tube	Classic / SVP / S / M128 M05 #5 tube only
MCCP20	5-PK	select # 1, 2, 3, 4 or 5 for ■	
UCCP207	2-PK	Santoprene® #7 tube	Classic 45 & 85 only / SVP / S / M128 M07 only
MCCP207	5-PK		
UCTYGO	2-PK	Versilon™ tube	Classic / SVP / S
MCTYGO	5-PK	select # 1, 2, 3, 4 or 5 for ■	
EUROPE	UCCP2CE	2-PK Santoprene® tube	Classic / SVP / S
	MCCP2CE	5-PK select # 1, 2, 3, 4 or 5 for ■	
	UCCP27CE	2-PK Santoprene® #7 tube	Classic 45 & 85 only / SVP / S
	MCCP27CE	5-PK	
	UCTYCE	2-PK Versilon™ tube	Classic / SVP / S
	MCTYCE	5-PK select # 1, 2, 3, 4 or 5 for ■	

Refer to the **Flow Rate Output Charts** to match the pump model with the correct tube.

Includes duckbills, ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
UCCPFD	2-PK	Santoprene® tube select # 1 or 2 for ■	Classic / SVP / S
UCCP7FD	2-PK	Santoprene® #7 tube	Classic 45 & 85 only / SVP / S / M128 M07 only
UCTYFD	2-PK	Versilon™ tube select # 1 or 2 for ■	Classic / SVP / S
EUROPE	UCFDCE	2-PK Santoprene® tube select # 1 or 2 for ■	Classic / SVP / S
	UC7FDCE	2-PK Santoprene® #7 tube	Classic 45 & 85 only / SVP / S
	UCTYDCE	2-PK Versilon™ tube select # 1 or 2 for ■	Classic / SVP / S



### ECON PUMP LINE - Pump Tube

PART NUMBER	UM	DESCRIPTION	Works with
EC30A-2	2-PK	Pump Tube A, Ferrules 1/4"	Econ T
EC30B-2	2-PK	Pump Tube B, Ferrules 1/4"	Econ T
EC30C-2	2-PK	Pump Tube C, Ferrules 1/4"	Econ T
EC30F-2	2-PK	Pump Tube F, Ferrules 1/4"	Econ: FP, Integrator™, LD, T
EC30G-2	2-PK	Pump Tube G, Ferrules 1/4"	Econ: FP, Integrator™, T
EC30H-2	2-PK	Pump Tube H, Ferrules 1/4"	Econ: FP, Integrator™, Stennicator, T
EC30M-2	2-PK	Pump Tube M, Ferrules 1/4"	Econ LD

Refer to the **Flow Rate Output Charts** to match the pump with the correct tube and roller assembly.

\* Confirm material compatibility with the chemical resistance guide in the catalog. Santoprene® is beige; Versilon™ and Pellathane® are clear; the FKM duckbill is black.



The Classic, SVP, M128 and S series are manufactured with the patent pending QuickPro® pump head. The QuickPro® contains a collapsible roller assembly and the housing is attached by latches instead of screws.

### QuickPro® Pump Head 0-25 psi (0-1.7 bar)

Includes pump head, tube, ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
QP25-1	EA	Select Santoprene® tube	Classic / SVP
QP25-2	2-PK	# 1, 2, 3 or 4 for ■	
QP255-1	EA	#5 Santoprene® tube	Classic / SVP / M128 M05 only
QP255-2	2-PK		
QP25T-1	EA	Select Versilon™ tube	Classic / SVP
		# 1, 2, 3, 4 or 5 for ■	
EUROPE	QP17-1	EA	Classic / SVP
	QP17-2	2-PK	
	QP17T-1	EA	
		Select Versilon™ tube	
		# 1, 2, 3, 4 or 5 for ■	

### QuickPro® Pump Head 26-100 psi (1.8-6.9 bar)

Includes pump head, tube, duckbill, ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
QP10-1	EA	Select Santoprene® tube	Classic / SVP
		# 1 or 2 for ■	
QP107-1	EA	#7 Santoprene® tube	Classic 45 & 85 only / SVP / M128 M07 only
QP10T-1	EA	Select Versilon™ tube	Classic / SVP
		# 1 or 2 for ■	
EUROPE	QP69-1	EA	Classic / SVP
		# 1 or 2 for ■	
	QP697-1	EA	
		#7 Santoprene® tube	Classic (45 & 85 only) / SVP
	QP69T-1	EA	Classic / SVP
		Select Versilon™ tube	
		# 1 or 2 for ■	

### S SERIES

#### QuickPro® Pump Head with LEAK DETECT 25 psi (1.7 bar) max.

Includes pump head, tube, ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
S310-1	EA	Select Santoprene® tube	S Series only
S310-2	2-PK	# 3, 4 or 5 for ■	
S320-1	EA	Select Versilon™ tube	
		# 3, 4 or 5 for ■	
EUROPE	S315-1	EA	
	S315-2	2-PK	
	S325-1	EA	
		Select Versilon™ tube	
		# 3, 4 or 5 for ■	

### S SERIES

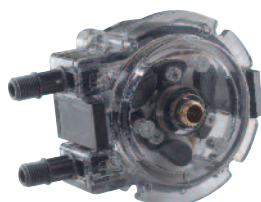
#### QuickPro® Pump Head with LEAK DETECT 100 psi (6.9 bar) max.

Includes pump head, tube, duckbill, ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
S310-1	EA	Select Santoprene® tube	S Series only
S310-2	2-PK	# 1, 2 or 7 for ■	
S320-1	EA	Select Versilon™ tube	
		# 1 or 2 for ■	
EUROPE	S315-1	EA	
	S315-2	2-PK	
	S325-1	EA	
		Select Versilon™ tube	
		# 1 or 2 for ■	

Refer to the **Flow Rate Output Charts** to match the pump model with the correct tube.

\* Confirm material compatibility with the chemical resistance guide in the catalog. Santoprene® is beige; Versilon™ and Pellathane® are clear; the FKM duckbill is black.



The Classic, SVP, M128 and S series are manufactured with the patent pending QuickPro® pump head. The QuickPro® contains a collapsible roller assembly and the housing is attached by latches instead of screws.

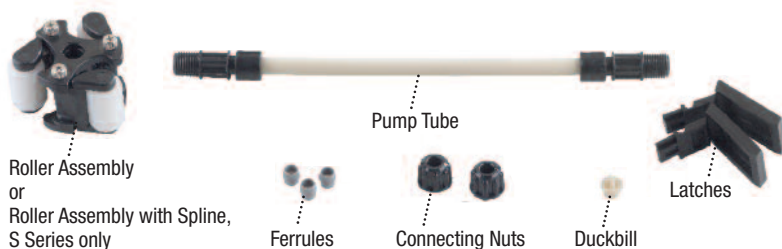
QuickPro® Innermost Pump Head 0-25 psi (0-1.7 bar)			
Includes innermost pump head, tube, ferrules 1/4" (EUROPE 6 mm)			
PART NUMBER	UM	DESCRIPTION	Works with
QPA25-1	EA	Select Santoprene™ tube	Classic 100 & 170 only
QPA25-2	2-PK	# 1, 2, 3, 4 or 5 for ■	
EUROPE QPA17-1	EA	Select Santoprene™ tube	Classic 100 & 170 only
QPA17-2	2-PK	# 1, 2, 3, 4 or 5 for ■	

QuickPro® Innermost Pump Head 26-100 psi (1.8-6.9 bar)			
Includes innermost pump head, tube, duckbill, ferrules 1/4" (EUROPE 6 mm)			
PART NUMBER	UM	DESCRIPTION	Works with
QPA10-1	EA	Select Santoprene™ tube	Classic 100 & 170 only
QPA10-2	2-PK	select # 1 or 2 for ■	
EUROPE QPA69-1	EA	Select Santoprene™ tube	Classic 100 & 170 only
QPA69-2	2-PK	# 1 or 2 for ■	

Refer to the **Flow Rate Output Charts** to match the pump model with the correct tube.

QuickPro® Innermost Pump Head Parts			
PART NUMBER	UM	DESCRIPTION	Works with
QP10A-1	EA	Pump Head Cover	Classic 100 & 170 only
QP10A-2	2-PK		
QP50A-1	EA	Roller Assembly	

\* Confirm material compatibility with the chemical resistance guide in the catalog.



The Classic, SVP, M128 and S series are manufactured with the patent pending QuickPro® pump head. The QuickPro® contains a collapsible roller assembly and the housing is attached by latches instead of screws.

### QuickPro® Pump Head Service Kits 0-25 psi (0-1.7 bar)

Kit includes parts as shown, duckbill not included

PART NUMBER	UM	DESCRIPTION	Works with	
QP25■K	KIT	Kit-Select Santoprene® tube # 1, 2, 3 or 4 for ■	Classic / SVP	
QP255K	KIT	Kit-#5 Santoprene® tube	Classic / SVP / M128 M05 only	
QP25T■K	KIT	Kit-Select Versilon™ tube # 1, 2, 3, 4 or 5 for ■	Classic / SVP	
EUROPE	QP17■K	KIT	Kit-Select Santoprene® tube # 1, 2, 3, 4 or 5 for ■	Classic / SVP
	QP17T■K	KIT	Kit-Select Versilon™ tube # 1, 2, 3, 4 or 5 for ■	

### QuickPro® Pump Head Service Kits 26-100 psi (1.8-6.9 bar)

Kit includes parts as shown

PART NUMBER		UM	DESCRIPTION	Works with
QP10■K		KIT	Kit-Select Santoprene® tube # 1 or 2 for ■	Classic / SVP
QP107K		KIT	Kit-#7 Santoprene® tube	Classic 45 & 85 only / SVP / M128 M07 only
QP10T■K		KIT	Kit-Select Versilon™ tube # 1 or 2 for ■	Classic / SVP
EUROPE	QP69■K	KIT	Kit-Select Santoprene® tube # 1 or 2 for ■	Classic / SVP
	QP697K	KIT	Kit-#7 Santoprene® tube	Classic 45 & 85 only / SVP
	QP69T■K	KIT	Kit-Select Versilon™ tube # 1 or 2 for ■	Classic / SVP

### S SERIES

#### QuickPro® Pump Head Service Kits 25 psi (1.7 bar) maximum

Kit includes parts as shown, duckbill not included

PART NUMBER	UM	DESCRIPTION	Works with
S310■K	KIT	Kit-Select Santoprene® tube # 3, 4 or 5 for ■	S Series
S320■K	KIT	Kit-Select Versilon™ tube # 3, 4 or 5 for ■	
EUROPE	S311■K	KIT	
	S321■K	KIT	

### S SERIES

#### QuickPro® Pump Head Service Kits 100 psi (6.9 bar) maximum

Kit includes parts as shown

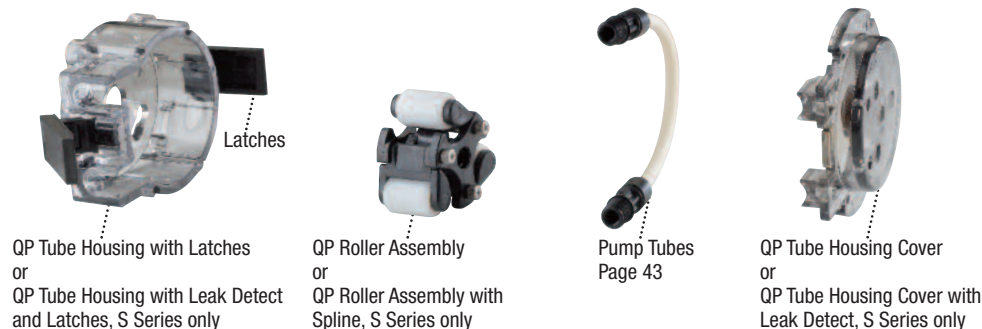
PART NUMBER	UM	DESCRIPTION	Works with
S310■K	KIT	Kit-Select Santoprene® tube # 1, 2 or 7 for ■	S Series
S320■K	KIT	Kit-Select Versilon™ tube # 1 or 2 for ■	
EUROPE	S311■K	KIT	
	S321■K	KIT	

Refer to the **Flow Rate Output Charts** to match the pump model with the correct tube.

\* Confirm material compatibility with the chemical resistance guide in the catalog. Santoprene® is beige; Versilon™ and Pellathane® are clear; the FKM duckbill is black.

# PUMP HEAD PARTS

QuickPro® PUMP LINE  
ECON PUMP LINE

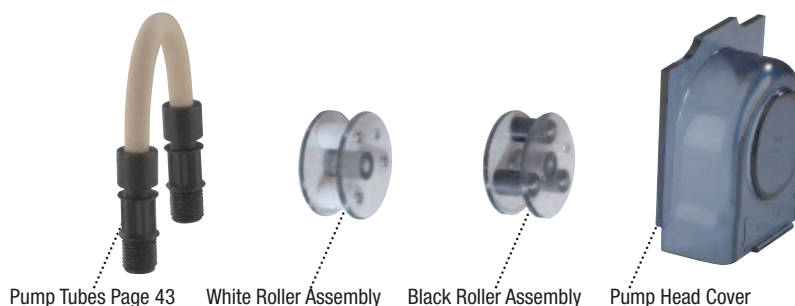


The Classic, SVP, M128 and S series are manufactured with the patent pending QuickPro® pump head. The QuickPro® contains a collapsible roller assembly and the housing is attached by latches instead of screws.

QuickPro® PUMP LINE - Pump Head Parts			
PART NUMBER	UM	DESCRIPTION	Works with
QP400-1 QP400-2	EA 2-PK	QP Tube Housing with Latches	Classic / SVP / M128
QP401-2	2-PK	QP Latches only	Classic / SVP / S / M128
QP500-1 QP500-4	EA 4-PK	QP Roller Assembly	Classic / SVP / M128
QP501-3	EA	QP Roller Arm Assembly includes arms, bushings, rollers, screws	Classic / SVP / S / M128
QP100-1 QP100-4	EA 4-PK	QP Tube Housing Cover with Bushing	Classic / SVP / M128

## S SERIES

QuickPro® PUMP LINE - Pump Head with Leak Detect Parts			
PART NUMBER	UM	DESCRIPTION	Works with
S3400-1 S3400-2	EA 2-PK	QP Tube Housing with Leak Detect and Latches	S Series only
S3500-1 S3500-4	EA 4-PK	QP Roller Assembly with Spline	
S3600-1 S3600-4	EA 4-PK	QP Tube Housing Cover with Leak Detect	
QP401-2	2-PK	QP Latches only	Classic / SVP / S / M128
QP501-3	EA	QP Roller Arm Assembly includes arms, bushings, rollers, screws	



ECON PUMP LINE - Pump Head Parts			
PART NUMBER	UM	DESCRIPTION	Works with
EC350	EA	White Roller Assembly	Refer to the Flow Rate Output Charts to match the Econ pump model with the correct tube and roller assembly.
EC351	EA	Black Roller Assembly	
EC355	EA	Pump Head Cover	All Econ Pumps



Injection Check Valve 1/4"



Injection Check Valve 3/8"

### Check Valves 26-100 psi (1.8-6.9 bar)

PART NUMBER	UM	DESCRIPTION	Works with
<b>UCDBINJ</b> <b>MCDBINJ</b>	EA 5-PK	CV includes Santoprene® duckbill, ferrule 1/4"	All Pumps
<b>UCTYINJ</b> <b>MCTYINJ</b>	EA 5-PK	CV includes Pellathane® duckbill, ferrule 1/4"	
<b>UCKMINJ</b> <b>MCKMINJ</b>	EA 5-PK	CV includes FKM® duckbill, ferrule 1/4"	
<b>UCINJ38</b> <b>MCINJ38</b>	EA 5-PK	CV includes Santoprene® duckbill, ferrule 3/8"	
<b>UCTYIJ38</b> <b>MCTYIJ38</b>	EA 5-PK	CV includes Pellathane® duckbill, ferrule 3/8"	
<b>UCKMI38</b> <b>MCKMI38</b>	EA 5-PK	CV includes FKM® duckbill, ferrule 3/8"	
<b>BCV14TVH</b>	EA	Injection ball check valve 1/4"	
<b>UCINJCE</b> <b>MCINJCE</b>	EA 5-PK	CV includes Santoprene® duckbill, ferrule 6 mm	
<b>UCTINJCE</b> <b>MCTINJCE</b>	EA 5-PK	CV includes Pellathane® duckbill, ferrule 6 mm	
<b>UCKMJCE</b> <b>MCKMJCE</b>	EA 5-PK	CV includes FKM® duckbill, ferrule 6 mm	



Injection Fitting with Nut & Ferrule 1/4"

### Injection Fittings 0-25 psi (0-1.7 bar)

PART NUMBER	UM	DESCRIPTION	Works with
<b>UCAK300</b> <b>MAK300</b>	EA 5-PK	Injection Fitting with Nut & Ferrule 1/4"	All Pumps
<b>UCAK3CE</b>	KIT	Injection Fitting with Nut & Ferrule 6 mm	



Injection Fitting



Santoprene® Duckbill



Santoprene® O-Ring



Pellathane® Duckbill



FKM® Duckbill



FKM® O-Ring

### Check Valve Parts 26-100 psi (1.8-6.9 bar)

PART NUMBER	UM	DESCRIPTION	Works with
<b>CVIJ1/4</b>	EA	Check Valve Injection Fitting 1/4"	All Pumps
<b>CVIJ3/8</b>	EA	Check Valve Injection Fitting 3/8"	
<b>UCCVDB0</b> <b>MCCVDB0</b>	2-PK 5-PK	Santoprene® Check Valve Duckbill	
<b>CVIJOR</b>	EA	Santoprene® Check Valve O-Ring	
<b>UCTYDB2</b> <b>MCTYDB5</b>	2-PK 5-PK	Pellathane® Check Valve Duckbill	
<b>UCKMDB0</b> <b>MCKMDB0</b>	2-PK 5-PK	FKM® Check Valve Duckbill & O-Ring	
<b>TVIJOR</b>	EA	Pellathane® Check Valve O-Ring	

\* Confirm material compatibility with the chemical resistance guide in the catalog. Santoprene® is beige; Versilon™ and Pellathane® are clear; the FKM duckbill is black.

# MISC. PARTS and SUCTION/DISCHARGE TUBING

QuickPro® PUMP LINE  
ECON PUMP LINE



Connecting Nut 1/4"



Connecting Nut 3/8"



Connecting Nut 3/8"  
with Adapter



Ferrule 1/4"



Weighted Suction  
Line Strainer



AquaShield®



Flow Indicator  
with Bracket



Filter Assembly

Miscellaneous Parts			
PART NUMBER	UM	DESCRIPTION	Works with
<b>UCAK100</b> <b>MCAK100</b>	10-PK 24-PK	Connecting Nut 1/4"	All Pumps
<b>MANUT00</b>	EA	Connecting Nut 3/8"	
<b>UCADPTR</b> <b>MCADPTR</b>	2-PK 5-PK	Connecting Nut 3/8" with Adapter	
<b>UCAK200</b> <b>MCAK200</b>	10-PK 24-PK	Ferrule 1/4"	
<b>ST114</b>	EA	Weighted Suction Line Strainer 1/4"	
<b>ST138</b>	EA	Weighted Suction Line Strainer 3/8"	
<b>MAGRE55</b>	EA	AquaShield® 5.5 oz. Tube	
<b>AK600</b>	EA	Flow Indicator 1/4" with Bracket	
<b>AK700</b>	EA	Flow Indicator 3/8" with Bracket	
<b>AK900</b>	EA	Flow Indicator Bracket	Flow Indicator
<b>P2000</b>	EA	Filter Assembly	Prop. Inj. Sys.
<b>EUROPE</b>	<b>MCAK2CE</b>	24-PK Ferrule 6 mm	All Pumps
	<b>ST106</b>	EA Weighted Suction Line Strainer 6 mm	
	<b>AK800</b>	EA Flow Indicator 6 mm with Bracket	



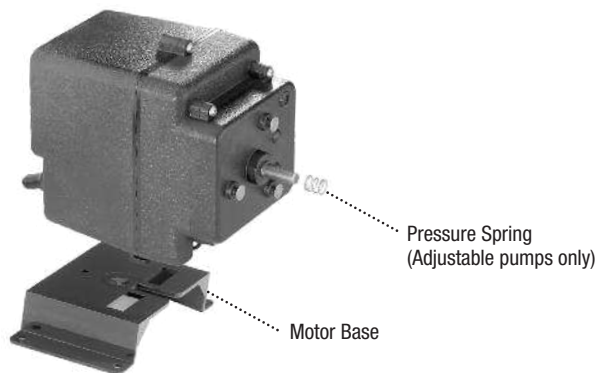
1/4" White



3/8" UV Black

Suction/Discharge Tubing				
PART NUMBER	UM	DESCRIPTION		Works with
<b>AK4002B</b>	ROLL	1/4" x 20'	UV Black	All Pumps
<b>AK4002W</b>	ROLL	1/4" x 20'	White	
<b>AK4010B</b>	ROLL	1/4" x 100'	UV Black	
<b>AK4010W</b>	ROLL	1/4" x 100'	White	
<b>AK4100B</b>	ROLL	1/4" x 1000'	UV Black	
<b>AK4100W</b>	ROLL	1/4" x 1000'	White	
<b>MALT02B</b>	ROLL	3/8" x 20'	UV Black	
<b>MALT002</b>	ROLL	3/8" x 20'	White	
<b>MALT10B</b>	ROLL	3/8" x 100'	UV Black	
<b>MALT010</b>	ROLL	3/8" x 100'	White	
<b>MALTB10</b>	ROLL	3/8" x 1000'	UV Black	
<b>MALT100</b>	ROLL	3/8" x 1000'	White	
<b>EUROPE</b> <b>AK20W6M</b>	ROLL	6 mm x 20'	White	

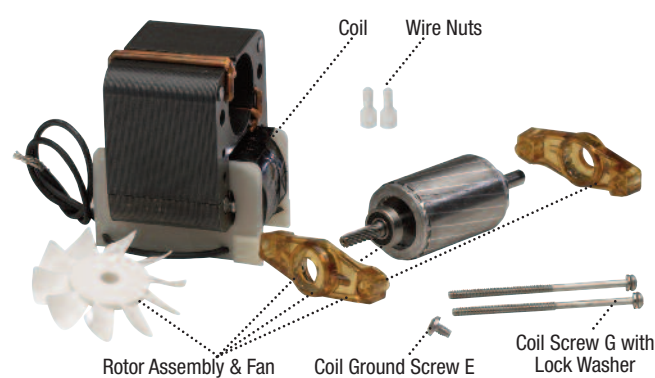




Motor 60Hz			
PART NUMBER	UM	DESCRIPTION	Works with
PM6041D	EA	120V	Adjustable 45 & 100
PM6042D	EA	220V	
PM6081D	EA	120V	Adjustable 85 & 170
PM6082D	EA	220V	
ME6041D	EA	120V	Fixed 45
ME6042D	EA	220V	
ME6081D	EA	120V	Fixed 85
ME6082D	EA	220V	
DM6041D	EA	120V	Fixed 100
DM6042D	EA	220V	
DM6081D	EA	120V	Fixed 170
DM6082D	EA	220V	

Motor 50Hz			
PART NUMBER	UM	DESCRIPTION	Works with
PM64230	EA	230V	Adjustable 45 & 100
PM6426D	EA	250V	
PM68230	EA	230V	Adjustable 85 & 170
PM6826D	EA	250V	
ME64230	EA	230V	Fixed 45
ME6426D	EA	250V	
ME68230	EA	230V	Fixed 85
ME6826D	EA	250V	
DM64230	EA	230V	Fixed 100
DM64250	EA	250V	
DM68230	EA	230V	Fixed 170
DM68250	EA	250V	

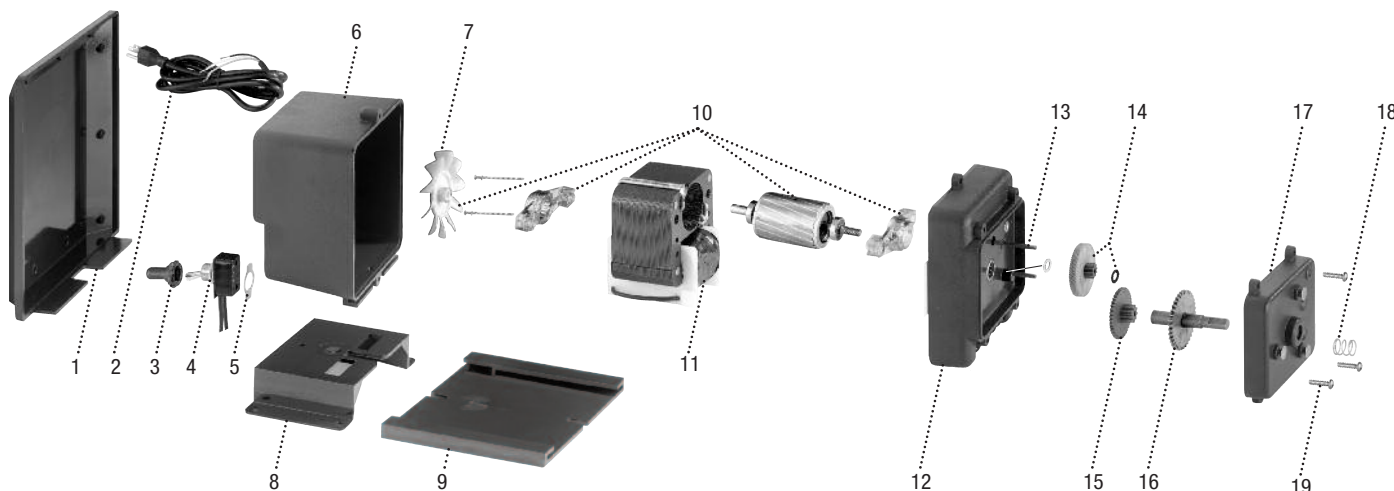
INTERNATIONAL



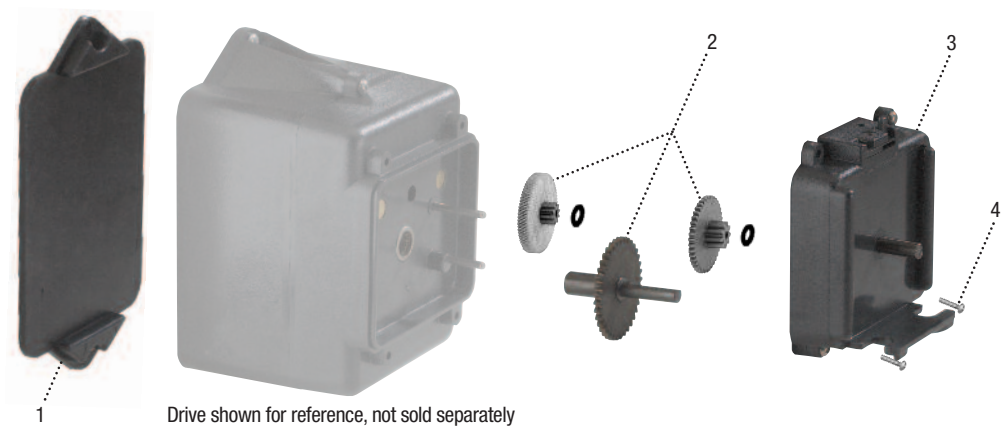
Motor Service Kits			
Kit includes parts as shown			
PART NUMBER	UM	DESCRIPTION	Works with
MSK120	KIT	120V 60Hz	All Classic Pumps
MSK220	KIT	220V 60Hz	



Gear Case Service Kits			
Kit includes parts as shown			
PART NUMBER	UM	DESCRIPTION	Works with
GSK45A	KIT	Gear Case Service Kit	Adjustable 45 & 100
GSK85A	KIT		Adjustable 85 & 170
GSK45F	KIT		Fixed 45
GSK85F	KIT		Fixed 85



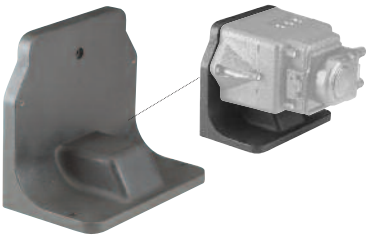
Motor Parts									
DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with	DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
1	<a href="#">MP90000</a>	EA	Rain Roof	All Classic Pumps	12	<a href="#">PM6K0BL</a>	EA	Gear Case with Posts	All Classic Pumps
Not shown	<a href="#">MP90001</a>	EA	Pump Cover	Adjustable 45 & 85	13	<a href="#">PM6M000</a>	EA	Gear Posts	
Not shown	<a href="#">MP90002</a>	KIT	Pump Cover & Rain Roof		14	<a href="#">MP6N040</a>	EA	Phenolic Gear with Spacer 26 rpm	Adjustable 45 & 100 / Fixed 45 & 100
2	<a href="#">MP6B010</a>	EA	Power Cord 120V	All Classic Pumps		<a href="#">MP6N080</a>	EA	Phenolic Gear with Spacer 44 rpm	Adjustable 85 & 170 / Fixed 85 & 170
	<a href="#">MP6B020</a>	EA	Power Cord 220V		15	<a href="#">MP60040</a>	EA	Metal Reduction Gear 26 rpm	Adjustable 45 & 100 / Fixed 45 & 100
3	<a href="#">MP6C000</a>	EA	Switch Boot			<a href="#">MP60080</a>	EA	Metal Reduction Gear 44 rpm	Adjustable 85 & 170 / Fixed 85 & 170
4	<a href="#">PM6E000</a>	EA	Toggle Switch		16	<a href="#">MP6Q00D</a>	EA	Motor Shaft with Gear	Adjustable 45, 85, 100 & 170
5	<a href="#">MP6D000</a>	EA	On-Off Switch Plate			<a href="#">ME6Q0LD</a>	EA	Motor Shaft with Gear	Fixed 45 & 85
6	<a href="#">PM6A0BL</a>	EA	Motor Cover with 120V Cord			<a href="#">DM6Q0LD</a>	EA	Motor Shaft with Gear	Fixed 100 & 170
	<a href="#">PM6A00L</a>	EA	Motor Cover with 220V Cord		17	<a href="#">PM6R0BL</a>	EA	Gear Case Cover	All Classic Pumps
7	<a href="#">PM6F000</a>	EA	Motor Fan		18	<a href="#">MP6T000</a>	EA	Pressure Spring	Adjustable 45, 85, 100 & 170
8	<a href="#">MP70000</a>	EA	Motor Base		19	<a href="#">UCCPS0B</a>	10-PK	Cover Screw B	All Pumps
9	<a href="#">MP80000</a>	EA	Mounting Bracket			<a href="#">MCCPS0B</a>	24-PK		
10	<a href="#">PMBRPL2</a>	EA	Rotor Assembly with Bearings, Brackets, Tolerance Rings & Fan						
11	<a href="#">MP6J115</a>	EA	Coil 60Hz 120V						
	<a href="#">MP6J226</a>	EA	Coil 60Hz 220V						
	<a href="#">MP6J223</a>	EA	Coil 50Hz 230V						
	<a href="#">MP6J222</a>	EA	Coil 50Hz 250V						



Motor Parts				
DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with Econ Pumps
1	EC302	EA	Drive Assembly Pad	Econ: FP / Integrator™ / LD / Stennicator / T
Not shown	EC300	EA	DC Motor, brushed with leads	Econ T E10 only
Not shown	EC307	EA	DC Motor, brushed with leads	Econ T E20 only
Not shown	EC301	EA	DC Motor, brushless	Econ: FP / Integrator™ / LD / Stennicator
2	EC310	KIT	Gear Kit includes spacers, screws & AquaShield®	Econ: T E10 only / LD
	EC320	KIT	Gear Kit includes spacers, screws & AquaShield®	Econ: T E20 only / FP / Integrator™ / Stennicator
3	EC330	EA	Gear Case Front Cover	All Econ Pumps
4	UCCPSOB MCCPSOB	10-PK 24-PK	Cover Screw B	All Econ Pumps

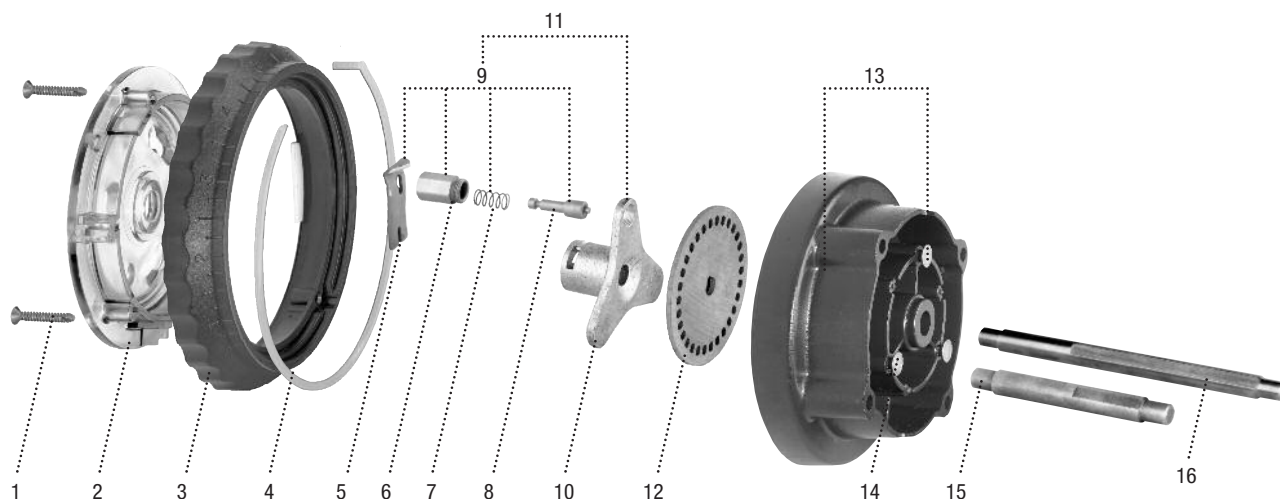


Mounting Kit

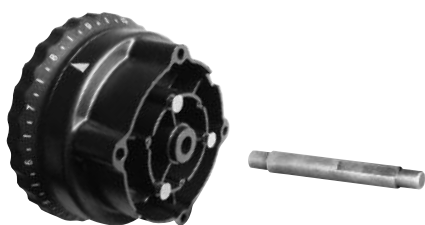


Stand

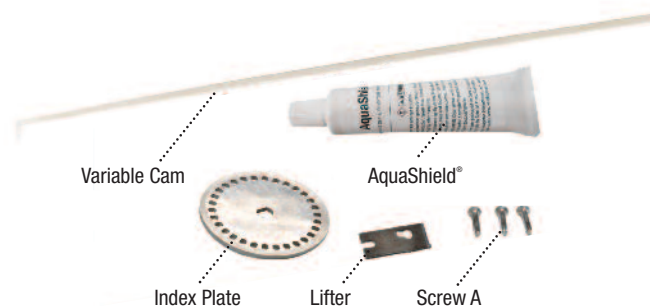
Optional Mounting Accessories			
PART NUMBER	UM	DESCRIPTION	Works with Econ Pumps
EC303	KIT	Mounting Kit (for wall mount or Stenner tank)	All Econ Pumps
EC304	EA	Stand (for horizontal display or wall mount)	



Feed Rate Control Parts									
DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with	DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
1	<b>FCS000A</b>	EA	FRC Screw A	Adjustable 45, 85, 100 & 170	10	<b>FC5K00D</b>	EA	Index Spider	Adjustable 45, 85, 100 & 170
2	<b>FC5N000</b>	EA	Feed Rate Mounting Plate		11	<b>FC5LAS</b>	EA	Index Spider Assembly includes 9 & 10	
3	<b>FC5M040</b>	EA	Dial Ring		12	<b>UCFC5ID</b> <b>MCFC5ID</b>	EA 5-PK	Index Plate	
4	<b>UCFC5H0</b> <b>MCFC5H0</b>	2-PK 5-PK	Variable Cam		13	<b>FC5D00S</b>	EA	Feed Rate Housing with Roller Clutch, Seal & Rivets	Adjustable 45 & 85
5	<b>UCFC5L1</b> <b>MCFC5L1</b>	2-PK 5-PK	Index Pin Lifter		14	<b>FCS000C</b>	EA	Mounting Rivet C	
6	<b>FC5L003</b>	EA	Index Pin Holder		15	<b>UCFC5AD</b> <b>MCFC5AD</b>	EA 2-PK	Main Shaft	
7	<b>FC5L005</b>	EA	Index Pin Spring		16	<b>DM5A00D</b>	EA	Main Shaft	Adjustable 100 & 170
8	<b>FC5L002</b>	EA	Index Pin						
9	<b>UCFC5AY</b> <b>MCFC5AY</b>	EA 2-PK	Index Pin Assembly with Lifter includes 5, 6, 7 & 8						

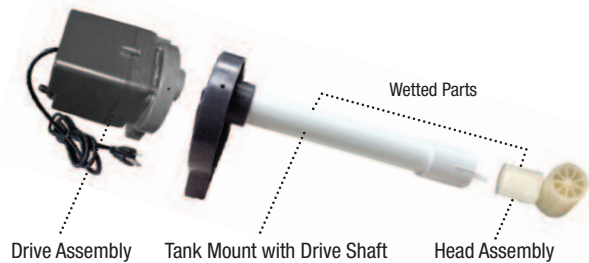


Feed Rate Control with Shaft			
PART NUMBER	UM	DESCRIPTION	Works with
<b>FC5040D</b>	EA	Feed Rate Control	Adjustable 45 & 85
<b>DM5040D</b>	EA	with Shaft	Adjustable 100 & 170



Feed Rate Service Kits			
Kit includes parts as shown			
PART NUMBER	UM	DESCRIPTION	Works with
<b>FSK100</b>	KIT	Feed Rate Control Service Kit	Adjustable 45, 85, 100 & 170

# MIXER and WATER METER PARTS



## MIXER - Drive Assembly

PART NUMBER	UM	DESCRIPTION
<b>MXAD</b>	EA	120V 60Hz
<b>MXBD</b>	EA	220V 60Hz

## MIXER - Tank Mount with Drive Shaft

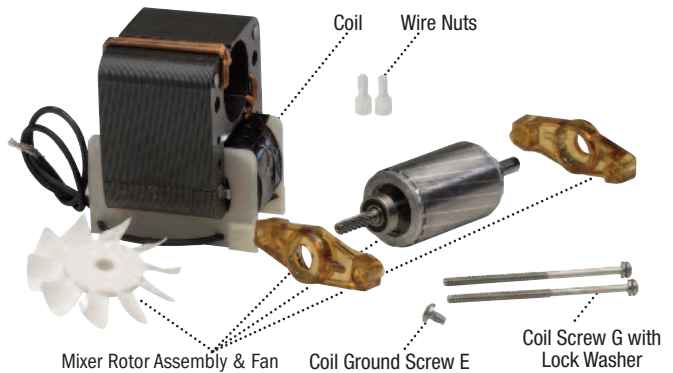
PART NUMBER	UM	DESCRIPTION
<b>MX75M</b>	EA	Works with 7.5-Gallon tank
<b>MX15M</b>	EA	Works with 15-Gallon tank
<b>MX30M</b>	EA	Works with 30-Gallon tank

## MIXER - Head Assembly

PART NUMBER	UM	DESCRIPTION
<b>MX100</b>	EA	Works with all mixers

## WATER METER - JLP Plastic Water Meters Only

PART NUMBER	UM	DESCRIPTION	Works with JLP Meter
<b>JLP38009P</b>	2-PK	3/4" Plastic Couplings with Gaskets	3/4"
<b>JLP38012P</b>	2-PK	1" Plastic Couplings with Gaskets	1"
<b>JLP38007R</b>	2-PK	1/8" Rubber Gaskets for 3/4"	3/4"
<b>JLP38012R</b>	2-PK	1/8" Rubber Gaskets for 1"	1"
<b>JLP32RS</b>	EA	Reed Switch, single for 1 ppg or 10 ppg with screw	3/4," 1", 1.5"
<b>JLP34RS</b>	EA	Reed Switch, dual 2 ppg with screw	2 ppg or 4 ppg



## MIXER - Drive Assembly Service Kit

Kit includes parts as shown

PART NUMBER	UM	DESCRIPTION
<b>MX120</b>	KIT	120V 60Hz
<b>MX220</b>	KIT	220V 60Hz

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# CHEMICAL RESISTANCE GUIDE

## Ratings Key – Chemical Effect

- A** Fluid has minor or no effects
- B** Fluid has minor to moderate effects
- C** Fluid has severe effects
- \* No data available



## CAUTION

The information is provided ONLY as a guide to assist in determining chemical compatibility for wetted components. Testing under the specific conditions of the application is recommended. Stenner Pump Company assumes no responsibility for its accuracy. Outside factors including but not limited to temperature, pressure, mechanical stress, and solution concentration can affect material compatibility in a particular application. Stenner makes no warranty, expressed or implied, as to the accuracy of this guide or any materials' suitability for fitness or purpose for any application. User assumes all risk and liability for use of this guide.

Chemical / Solution	PP/Santoprene®	Versilon™	PVC	LDPE	FKM
Acetic Acid 20%	A	B	B	A	*
Acetic Acid 30%	B	C	C	A	B
Acetic Acid, Glacial	C	C	C	C	C
Acetic Anhydride	B	C	C	C	C
Aliphatic Hydrocarbons	B	B	B	B	*
Aluminum Chloride	A	A	A	B	A
Aluminum Sulfate	A	A	A	A	A
Alums	A	A	A	A	A
Ammonium Acetate	B	B	A	A	A
Ammonium Carbonate	A	A	A	A	A
Ammonium Chloride	A	B	A	B	A
Ammonium Hydroxide	A	B	A	A	B
Ammonium Nitrate	A	A	A	A	B
Ammonium Phosphate	A	A	A	A	A
Ammonium Sulfate	A	A	A	A	B
Amyl Acetate	A	C	C	C	C
Aniline	B	C	C	C	C
Antimony Salts	A	A	A	B	*
Arsenic Salts	A	A	A	B	*
Barium Hydroxide	A	A	A	B	A
Barium Salts	A	*	A	B	*
Beer	A	A	A	A	A
Benzene	C	C	C	C	B
Benzoic Acid	A	C	A	A	A
Bleach 5.25%	A	A	A	A	*
Boric Acid	A	A	A	A	A
Bromine	A	B	B	B	A
Butyl Acetate	A	C	C	C	C
Butyric Acid	A	C	B	C	*
Calcium Chloride	A	A	B	A	A
Calcium Hydroxide	A	C	A	A	A
Calcium Hypochlorite 5%	A	B	A	A	A
Calcium Salts	A	A	A	A	*
Carbon Disulfide	C	C	C	C	A
Carbon Tetrachloride	C	C	C	C	A
Castor Oil	B	A	A	*	A

Chemical / Solution	PP/Santoprene®	Versilon™	PVC	LDPE	FKM
Chlorine	*	*	*	*	*
<i>see Sodium Hypochlorite</i>					
Chloroacetic Acid	A	C	B	C	C
Chloroform	C	C	C	C	A
Chlorosulfonic Acid	B	C	C	C	C
Chromic Acid < 50%	B	C	B	A	A
Chromium Salts	A	*	A	B	*
Citric Acid	B	B	B	C	A
Copper Chloride	A	A	A	A	A
Copper Sulfate	A	A	A	A	A
Cottonseed Oil	B	A	B	A	A
Ethyl Acetate	A	C	C	C	C
Ethyl Alcohol	B	C	C	B	B
Ethyl Chloride	C	C	C	C	A
Ethylene Dichloride	C	C	C	C	A
Ethylene Glycol	A	A	A	A	A
Ethylene Oxide	B	A	C	C	C
Eucalyptus Oil	C	B	C	C	*
Fatty Acids	C	B	A	A	A
Ferric Chloride	A	A	A	A	A
Ferric Sulfate	A	A	A	A	A
Ferrous Chloride	A	A	A	A	A
Ferrous Sulfate	A	A	A	A	A
Fluoboric Acid	A	C	A	C	*
Fluosilicic Acid	A	A	A	A	A
Formaldehyde < 40%	A	B	A	C	C
Formic Acid	A	C	B	C	C
Glucose	A	A	A	A	A
Glue	A	A	A	A	A
Glycerin	A	A	A	A	A
Hydrochloric Acid 20%	A	C	A	A	A
Hydrochloric Acid 37%	A	C	A	A	A
Hydrocyanic Acid	A	B	A	A	A
Hydrofluoric Acid < 48%	A	C	B	A	A
Hydrofluoric Acid 48-75%	A	C	C	C	A
Hydrofluoric Acid, anhydrous	B	C	C	C	C



Chemical / Solution	PP/Santoprene®	Versilon™	PVC	LDPE	FKM
Hydrogen Peroxide < 50%	A	B	A	B	A
Hydrogen Sulfide	A	A	B	A	C
Iodine	A	A	C	B	A
Lactic Acid	A	B	B	A	A
Lead Acetate	B	A	A	A	C
Linseed Oil	B	A	A	A	A
Limonene	C	B	B	B	*
Lubricating Oils	C	A	B	C	A
Magnesium Chloride	A	A	B	A	A
Magnesium Hydroxide	A	A	A	A	A
Magnesium Sulfate	A	A	A	A	A
Malic Acid	A	B	A	A	A
Manganese Salts	A	A	A	A	*
Mercuric Chloride	A	A	A	A	A
Methylene Chloride	C	C	C	C	B
Mineral Oil	B	A	B	B	A
Mineral Spirits	C	A	B	B	A
Muriatic Acid, 20° Baume	A	C	A	A	A
Nitric Acid < 10%	A	C	A	B	A
Nitric Acid 10-30%	B	C	A	C	A
Nitric Acid 30-60%	C	C	B	C	A
Nitric Acid 70%	C	C	B	C	A
Nitric Acid, red fuming	C	C	C	C	C
Nitrous Acid	A	B	*	*	B
Oleic Acid	A	B	C	C	B
Oleum 20-25%	C	C	C	C	*
Oxalic Acid	A	C	B	A	A
Palmitic Acid	A	B	B	A	A
Petroleum Distillates	C	B	B	C	*
Phenol	B	C	C	B	A
Phosphoric Acid	A	C	A	A	A
Phthalic Acid	A	C	A	A	A
Pickling Solutions	A	C	*	*	B
Plating Solutions	A	C	*	*	A
Polyphosphate	A	A	A	A	*
Potassium Carbonate	A	A	A	A	A
Potassium Chlorate	A	A	A	A	A
Potassium Hydroxide	A	A	A	A	C
Potassium Dichromate	A	A	A	A	A
Potassium Iodide	A	A	B	B	A
Potassium Permanganate	A	A	A	A	A

Chemical / Solution	PP/Santoprene®	Versilon™	PVC	LDPE	FKM
Sea Water	A	A	A	A	A
Silicone Oil	C	A	A	B	A
Silver Nitrate	A	A	A	A	A
Soap Solutions	A	A	A	C	A
Sodium	A	A	A	A	*
Sodium Bisulfate	A	A	A	A	A
Sodium Bisulfite	A	A	A	A	A
Sodium Borate	A	A	A	A	A
Sodium Carbonate	A	A	A	A	A
Sodium Chlorate	A	A	A	A	A
Sodium Chloride	A	A	A	A	A
Sodium Dichromate 20%	A	*	B	*	A
Sodium Hydroxide < 20%	A	B	A	B	A
Sodium Hydroxide 20-46.5%	A	C	A	B	A
Sodium Hypochlorite 5%	A†	B	A	A	A
Sodium Hypochlorite 6-15%	A†	B	A	A	*
Sodium Nitrate	A	A	A	A	A
Sodium Silicate	A	A	A	A	A
Sodium Sulfide	A	A	A	A	A
Sodium Sulfite	A	A	A	A	A
Solvents	C	B	B	B	*
Soybean Oil	B	A	A	A	A
Stannous Chloride 15%	A	A	A	B	A
Stearic Acid	A	B	B	B	A
Sulfur Dioxide liquid	A	C	C	C	B
Sulfur Trioxide	B	C	A	C	A
Sulfuric Acid < 40%	B	B	B	B	A
Sulfuric Acid > 40%	C	C	C	C	A
Sulfurous Acid	A	A	A	B	C
Tannic Acid 10%	A	B	A	B	A
Tanning Liquors	A	A	A	A	A
Tartaric Acid	A	A	A	A	A
Titanium Salts	A	A	A	B	*
Triethanolamine	A	C	C	C	C
Tri Sodium Phosphate	A	A	A	A	A
Tung Oil	B	B	C	C	A
Turpentine	B	B	C	C	A
Urea	B	A	B	A	A
Water & Brine	A	A	A	A	A
Zinc Chloride	A	A	B	A	A
Zinc Salts	A	A	A	A	*

† Products tested and certified by WQA to ANSI/NSF Standard 61 for contact with Sodium Hypochlorite and Water only and Standard ANSI/NSF 372 for low lead compliance.  
NOTE: FKM tested to ANSI/NSF 61 with water only.

## Limited Warranty

Stenner Pump Company will for a period of one (1) year from the date of purchase (proof of purchase required) repair or replace – at our option – all defective parts. Stenner is not responsible for any removal or installation costs. Pump tube assemblies and rubber components are considered perishable and are not covered in this warranty. Pump tube will be replaced each time a pump is in for service, unless otherwise specified. The cost of the pump tube replacement will be the responsibility of the customer. Stenner will incur shipping costs for warranty products shipped from our factory in Jacksonville, Florida. Any tampering with major components, chemical damage, faulty wiring, weather conditions, water damage, power surges, or products not used with reasonable care and maintained in accordance with the instructions will void the warranty. Stenner limits its liability solely to the cost of the original product. We make no other warranty expressed or implied.

## Returns

Stenner offers a 30-day return policy on factory direct purchases. Except as otherwise provided, no merchandise will be accepted for return after 30 days from purchase. To return merchandise at any time, call Stenner at 800.683.2378 for a Return Merchandise Authorization (RMA) number. A 15% restocking fee will be applied. Include a copy of your invoice or packing slip with your return.

## Problem with Shipment

Check orders immediately upon arrival. Any claim of damage, shortage or order discrepancy must be noted on the delivery receipt and reported to Stenner Customer Service at 800.683.2378 within seven (7) days of receipt.

## Pump Service & Repairs

Before returning a pump for warranty or repair, remove chemical from pump tube by running water through the tube, and then run the pump dry. Following expiration of the warranty period, Stenner Pump Company will clean and overhaul any Stenner metering pump for a minimum labor charge plus necessary replacement parts and shipping. All metering pumps received for overhaul will be restored to their original condition. The customer will be charged for missing parts unless specific instructions are given. To return merchandise for repair, call Stenner at 800.683.2378 or 904.641.1666 for a Return Merchandise Authorization (RMA) number.

## Disclaimer

This information is not intended for specific application purposes. Stenner Pump Company reserves the right to make changes to prices, products, and specifications at any time without prior notice

## Trademarks

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.

AquaShield® is a registered trademark of Houghton International.

\* Refer to chemical resistance guide for compatibility.

