STENNER | PUMPS®

60
STENNER
1957-2017
INSPIRED BY OUR CUSTOMERS

CATALOG 2017

60
STENNER
1957-2017
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

CATALOG CONTENTS

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

Single Head Adjustable

Feed Rate
Control

Single Head Fixed

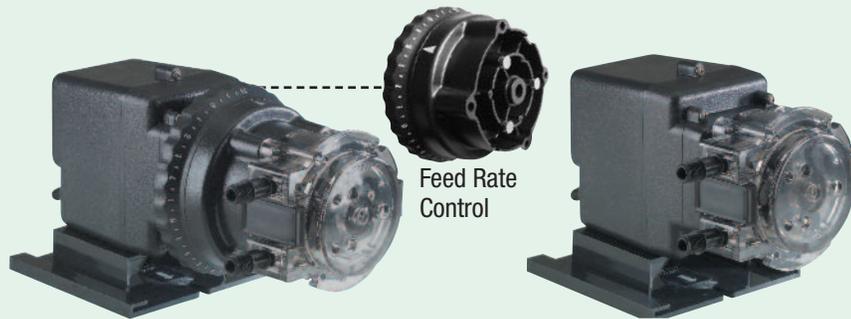**Proportional
Injection System**

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

Feed Rate
Control

Double Head Adjustable

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.
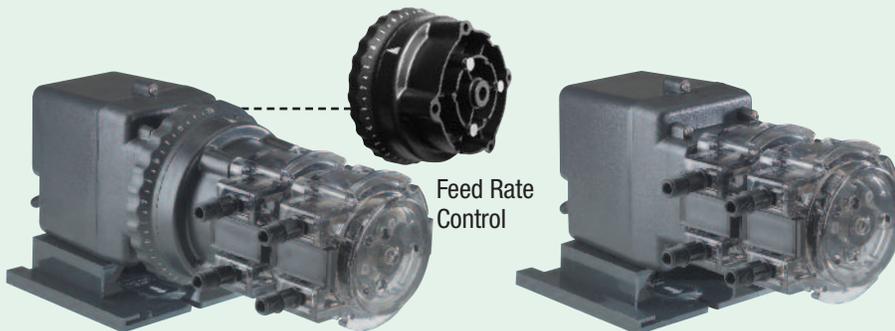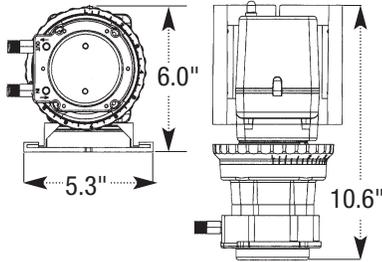
Weights and Dimensions

Single Head Adjustable

Shipping Weight 9 lbs (4.1 kg)

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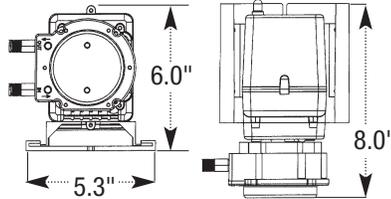13 x 8 x 9 in. (33 x 20 x 23 cm)

Product Dimensions

6.0"
5.3"
10.6"

Single Head Fixed

Shipping Weight 8 lbs (3.6 kg)

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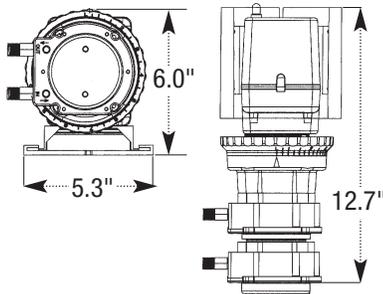13 x 8 x 9 in. (33 x 20 x 23 cm)

Product Dimensions

6.0"
8.0"
5.3"

Double Head Adjustable

Shipping Weight 10 lbs (4.5 kg)

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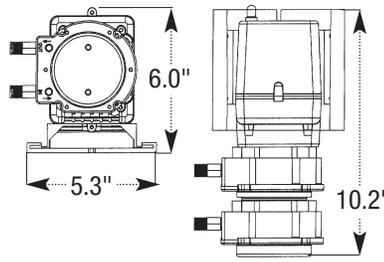18 x 8 x 10 in. (46 x 20 x 25 cm)

Product Dimensions

6.0"
5.3"
12.7"

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

6.0"
5.3"
10.2"

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 ±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®*,
optional Versilon™**, FDA approved

CV Duckbill with Versilon™ Tube** Pellathane®†

Pump Head Rollers HDPE

Roller Bushings Oil impregnated sintered bronze

Suction/Discharge Tubing, Ferrules 1/4" & 6 mm
Polyethylene, FDA approved

Tube Fittings, Check Valve Fittings
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® only) tested by Water Quality Association to conform to ANSI/NSF STD 61 & 372
- Adjustable models (Santoprene® only) tested by ETL to conform to ANSI/NSF STD 50
- Fixed output models (Santoprene® only) tested by ETL to conform to ANSI/NSF STD 50 only when used with ANSI/NSF STD 50 listed controllers

METERING PUMP
UL LISTED
96F0
METERING PUMP
LR79585
C CSA® US
CE
IPX4

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

ETL Intertek 94247
CONFORMS TO ANSI/NSF STD. 50
Equipment for swimming pools, spas, hot tubs and other recreational water facilities.

ETL Intertek 94247
CONFORMS TO ANSI/NSF STD. 50
Equipment for swimming pools, spas, hot tubs and other recreational water facilities.
USE ONLY WITH ANSI/NSF 50 LISTED CONTROLLERS

Listings vary by model

*   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.

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.

Single 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
45 SERIES	45MP1	45MFL1	1	3.0	11.4	0.13	0.48	0.27	7.92	9.1	0.38	6.32
	45MP2	45MFL2	2	10.0	37.9	0.42	1.58	0.89	26.32	30.3	1.26	21.04
	45MP3	45MFL3	3	22.0	83.3	0.92	3.47	1.96	57.85	66.6	2.78	46.25
	45MP4	45MFL4	4	35.0	132.5	1.46	5.52	3.11	92.01	106.0	4.42	73.61
	45MP5	45MFL5	5	50.0	189.3	2.08	7.89	4.44	131.43	151.4	6.31	105.14
85 SERIES	85MP1	85MFL1	1	5.0	18.9	0.21	0.79	0.44	13.13	15.1	0.63	10.49
	85MP2	85MFL2	2	17.0	64.4	0.71	2.68	1.51	44.65	51.5	2.15	35.76
	85MP3	85MFL3	3	40.0	151.4	1.67	6.31	3.55	105.14	121.1	5.05	84.10
	85MP4	85MFL4	4	60.0	227.1	2.50	9.46	5.33	157.71	181.7	7.57	126.18
	85MP5	85MFL5	5	85.0	321.8	3.54	13.40	7.55	223.40	257.4	10.73	178.75
					Approximate Output @ 60Hz					Approximate Output @ 50Hz		

Single 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
45 SERIES	45MPHP2	45MFH1	1	3.0	11.4	0.13	0.48	0.27	7.92	9.1	0.38	6.32
	45MPHP10	45MFH2	2	10.0	37.9	0.42	1.58	0.89	26.32	30.3	1.26	21.04
	45MPHP22	45MFH7	7	22.0	83.3	0.92	3.47	1.96	57.85	66.6	2.78	46.25
85 SERIES	85MPHP5	85MFH1	1	5.0	18.9	0.21	0.79	0.44	13.13	15.1	0.63	10.49
	85MPHP17	85MFH2	2	17.0	64.4	0.71	2.68	1.51	44.65	51.5	2.15	35.76
	85MPHP40	85MFH7	7	40.0	151.4	1.67	6.31	3.55	105.14	121.1	5.05	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

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*

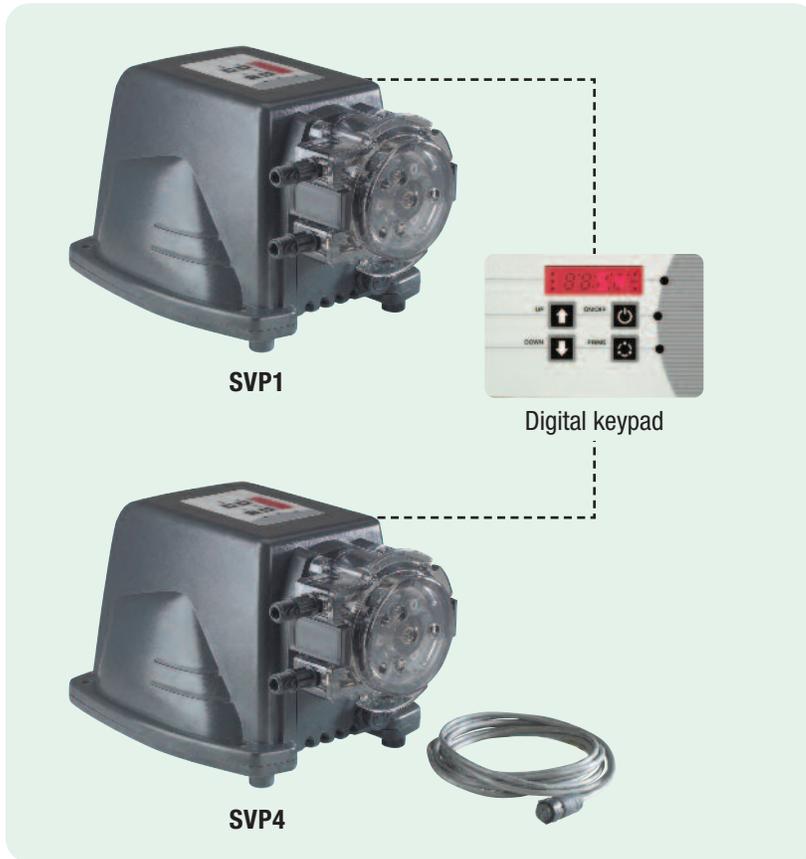O.D. does not affect output.

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.

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.

SVP1

Digital keypad

SVP4

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

6.1"

7.0"

10.1"

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
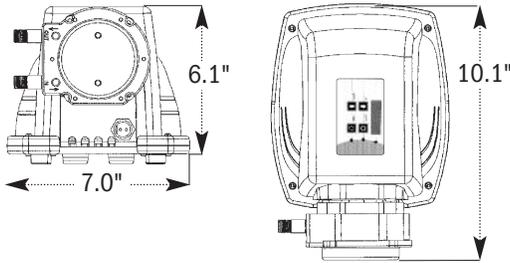
2 Additional latches

1 Manual

Specifications

Flow Rate Output Control Digital keypad

Reproducibility ±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®*,
optional Versilon™**, FDA approved

CV Duckbill with Versilon™ Tube** Pellathane®†

Pump Head Rollers HDPE

Roller Bushings Oil impregnated sintered bronze

Suction/Discharge Tubing, Ferrules 1/4" & 6 mm
Polyethylene, FDA approved

Tube Fittings, Check Valve Fittings
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®* 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® is a registered trademark of Exxon Mobil Corporation.
** Versilon™ is a registered trademark of Saint-Gobain
    Performance Plastics.
†   Pellathane® is a registered trademark of The Dow Company.

SVP SERIES

SVP - 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	SVP1L1	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	SVP1L2	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	SVP1L3	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	SVP1L4	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	SVP1L5	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	SVP4L1	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	SVP4L2	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	SVP4L3	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	SVP4L4	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	SVP4L5	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	SVP1H1	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	SVP1H2	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	SVP1H7	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	SVP4H1	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	SVP4H2	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	SVP4H7	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.
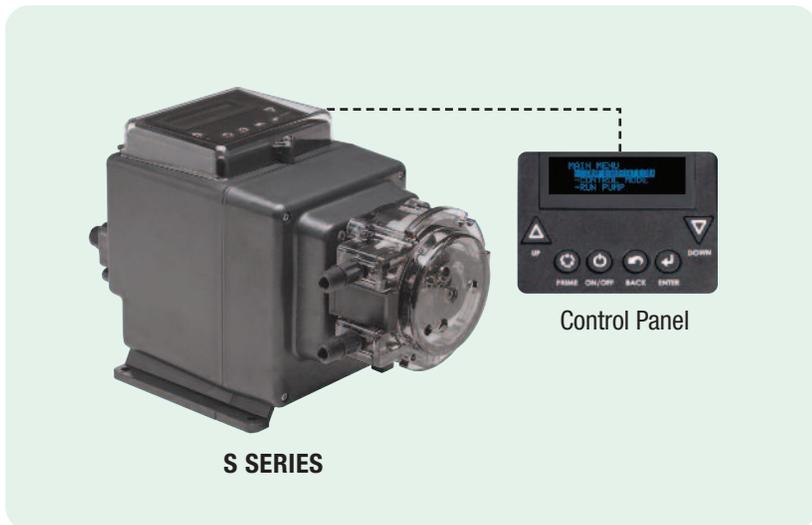
Item Number Builder

	Item Number Prefix					

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.

Control Panel

S SERIES

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	Programable 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)
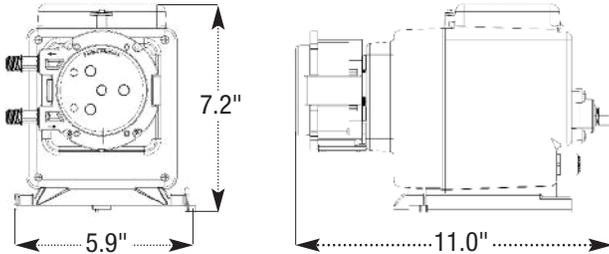
Product Dimensions

7.2"

5.9"

11.0"

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 ±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®*, optional Versilon™**, FDA approved

CV Duckbill with Versilon™ Tube** Pellathane®†

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™

Agency Listings

Models (Santoprene® 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® 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.

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	S3003	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	S3004	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	S3005	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	S3001	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	S3002	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	S3007	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
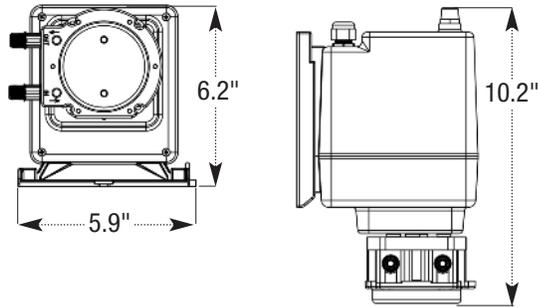- Solution is not in contact with moving parts

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

6.2"

10.2"

5.9"

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	**M05**	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	**M07**	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						

Omit if not ordering Meter System

Omit if not ordering Tank System

| Voltage & Hertz	Meter System Panel	Tank System
1 120V 60Hz	**341P** 3/4" 1 pulse/gallon	**7G** 7.5-Gallon UV Gray
2 220V 60Hz	**342P** 3/4" 2 pulses/gallon	**7N** 7.5-Gallon White
	344P 3/4" 4 pulses/gallon	**1G** 15-Gallon UV Gray
	011P 1" 1 pulse/gallon	**1N** 15-Gallon White
	012P 1" 2 pulses/gallon	**3G** 30-Gallon UV Gray
	014P 1" 4 pulses/gallon	**3N** 30-Gallon White
		Tanks also sold separately on page 35.

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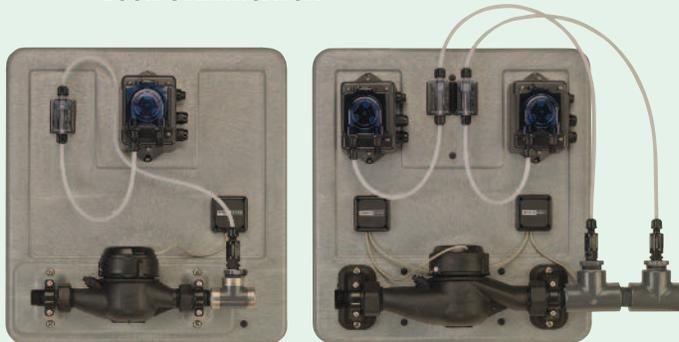
NOTE: M128 includes 1/4" white suction/discharge tubing only.
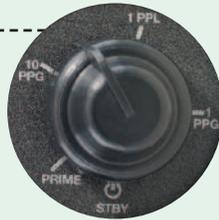
Pulse Dial

ECON STENNICATOR

ECON STENNICATOR Meter Systems - Single and Dual

WATCH ANIMATED VIDEO
of the Stennicator on a poultry farm
www.stenner.com

ECON Tank System

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.

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.

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
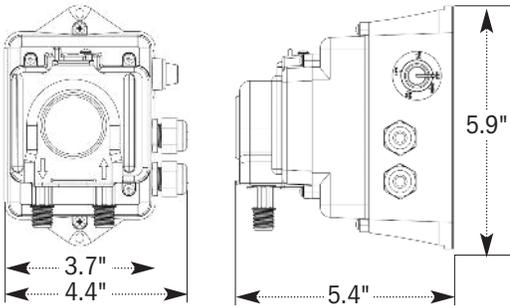- cULus for indoor/outdoor use

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

3.7"
4.4"
5.9"
5.4"

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)	

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

Specifications
Flow Rate Output Control
On/off switch, fixed output

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 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
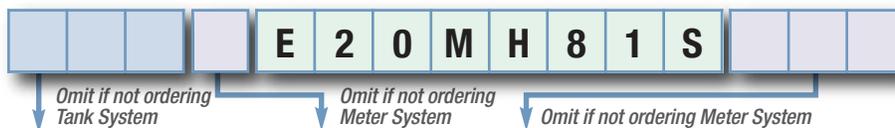   Exxon Mobil Corporation.

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
E20MH81S	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

| | | | | E | 2 | 0 | M | H | 8 | 1 | S | | | |

Omit if not ordering Tank System *Omit if not ordering Meter 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.

System
S Single
D Dual

Meter System Panel
341 3/4" 1 pulse/gallon
340 3/4" 10 pulses/gallon
34L 3/4" 1 pulse/liter
010 1" 10 pulses/gallon
011 1" 1 pulse/gallon
01L 1", 1 pulse/liter

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

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.

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

Specifications

Flow Rate Output Control
Six button control panel with LCD display

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 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

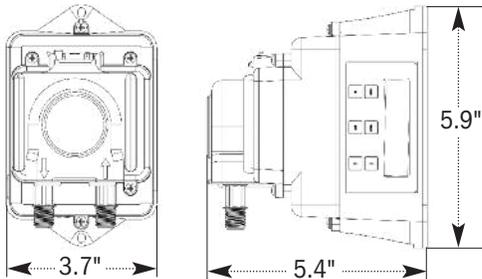*   Santoprene® is a registered trademark of Exxon Mobil Corporation.

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

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

			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 60 Hz; 10' cord

Suction & Discharge Tubing
1 1/4" White
2 1/4" UV Black

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 FP

Control Panel

ECON FP 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
- 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.

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.

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
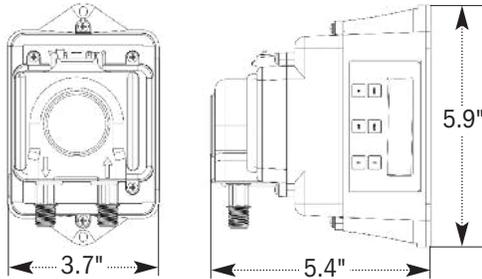- NSF 61 & 372
- CE listed, varies by model

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

3.7" 5.4" 5.9"

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 ±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

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

LISTED
METERING PUMP
96F0

IP44

CE

*   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
E20PHF	F	White	10:1	4.5	0.19	24.0	0.40	17.01	0.71	708.8	11.8
E20PHG	G	Black	10:1	16.0	0.67	85.3	1.42	60.48	2.52	2520.0	42.0
E20PHH	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

Control Panel

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

3.7"
4.4"
5.9"
5.4"
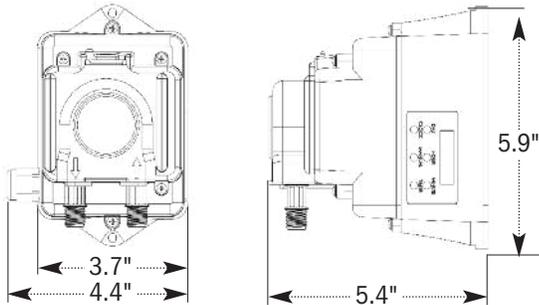
Accessory Kit Shipped with Each Pump

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 ±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.

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

C   USA

c (UL) US
LISTED
METERING PUMP
4TF1

(ETL)
Intertek
94247
**CONFORMS TO
ANSI/NSF STD. 50**
Equipment for swimming pools,
spas, hot tubs and other
recreational water facilities.

C E   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

			Item Number Prefix				**S**

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
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.

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.

OEM

OEM BATCH

On/Off Switch

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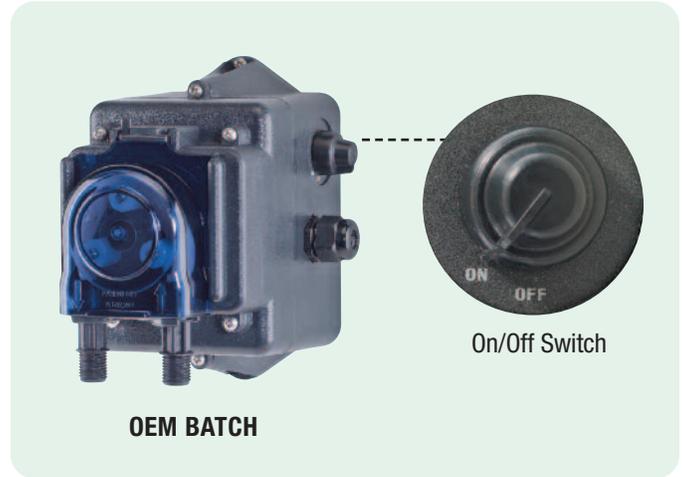
The custom OEM batch pump is factory programmed to run a specific length of time when manually activated by an integral switch or can be designed to activate with an input signal. The customer selects the pump run time from 0.1 seconds to 24 hours per activations.

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

5.9"

3.7"
4.4"
5.2"
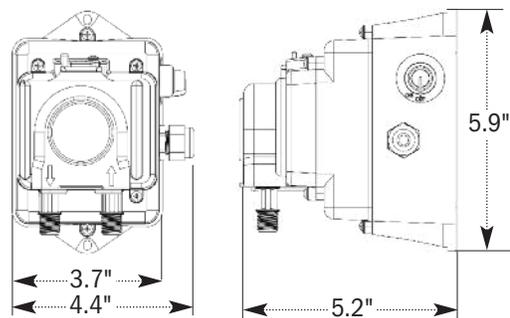
Features

- 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

3.7"
4.4"
5.9"
5.2"
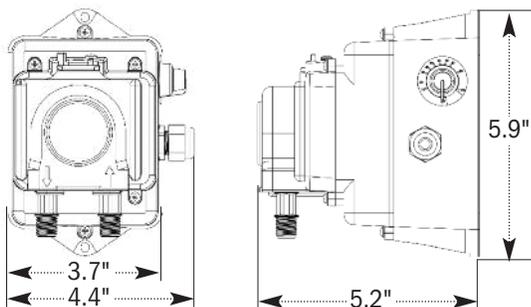
ECON LD - Flow Rate Output Chart 80 psi (5.5 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Turndown Ratio	Ounces per Hour	Milliliters per Hour
E10LHM	M	White	50:1	0.04 to 2.4	1.3 to 70.0
E10LHF	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

| | | | Item Number Prefix | | | | S |

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

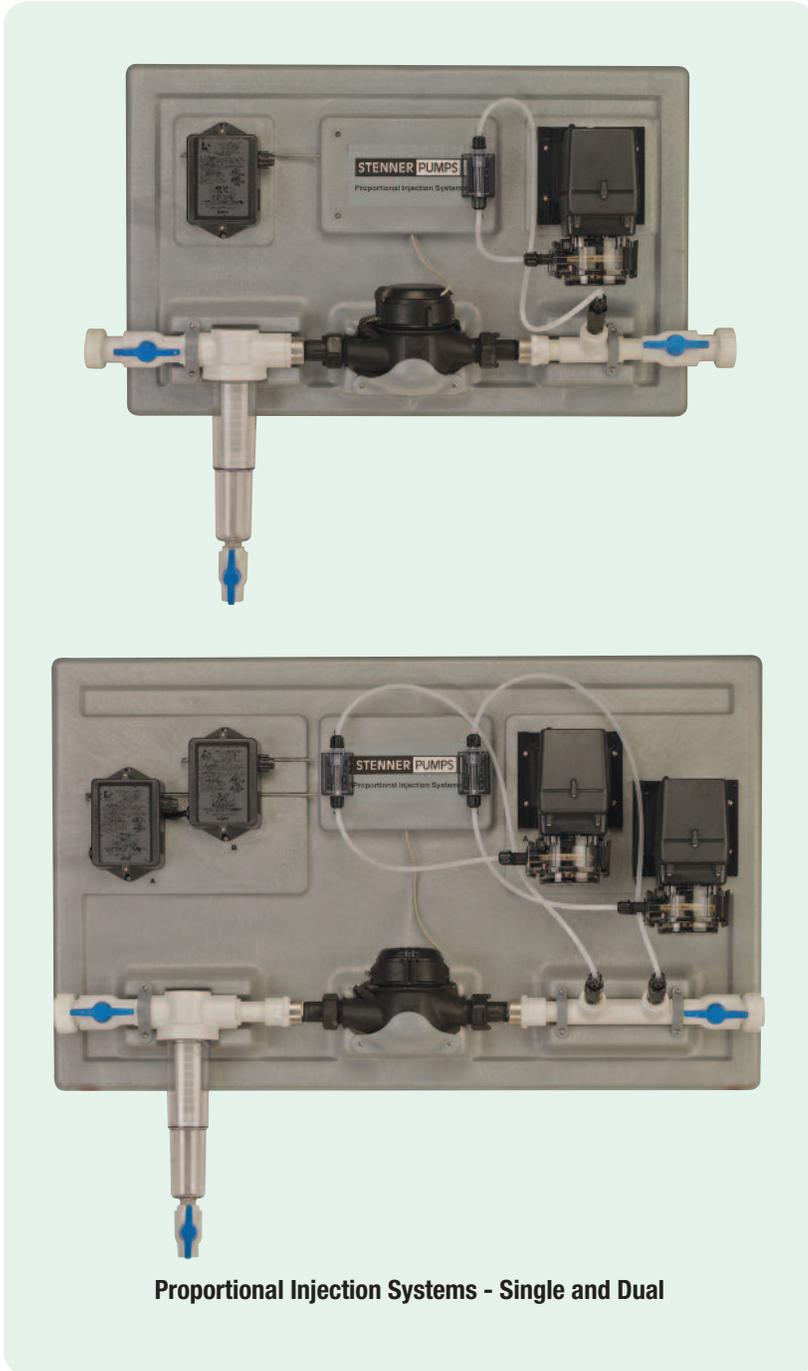**Suction Line Strainer** PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

All Fasteners Stainless steel

Agency Listings

IP44

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

**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
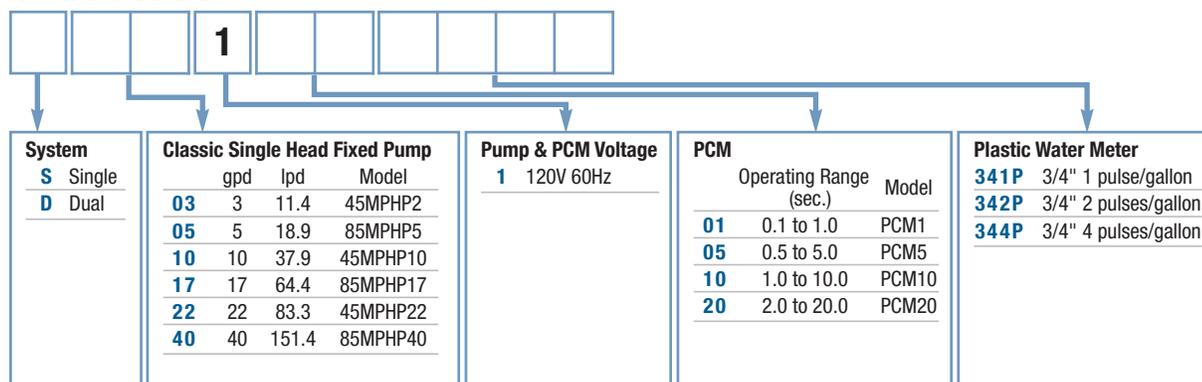8   Heavy duty panel and wall mounting bracket
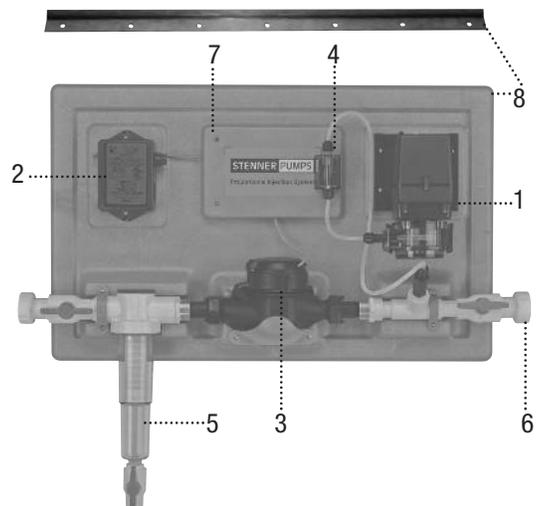
Weights and Dimensions

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** | | | | | | |

System

| S | Single |
| D | Dual |

Classic Single Head Fixed Pump

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

Pump & PCM Voltage

| 1 | 120V 60Hz |

PCM

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

Plastic Water Meter

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

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

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
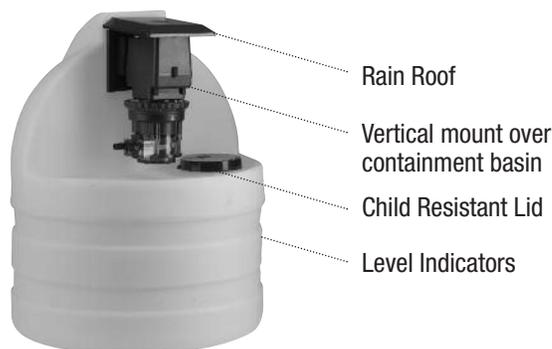
Weight and Dimensions

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)

Rain Roof

Vertical mount over containment basin

Child Resistant Lid

Level Indicators

Tank system shown with Classic Series single head adjustable pump

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

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

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	

MIXER

Designed for Stenner Tanks

7.5-Gallon

15-Gallon

30-Gallon

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

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)

Mixer Models		
ITEM NUMBER	**UM**	**DESCRIPTION**
SMS75A	EA	7.5-Gallon, 120V 60Hz
SMS75B	EA	7.5-Gallon, 220V 60Hz
SMS15A	EA	15-Gallon, 120V 60Hz
SMS15B	EA	15-Gallon, 220V 60Hz
SMS30A	EA	30-Gallon, 120V 60Hz
SMS30B	EA	30-Gallon, 220V 60Hz
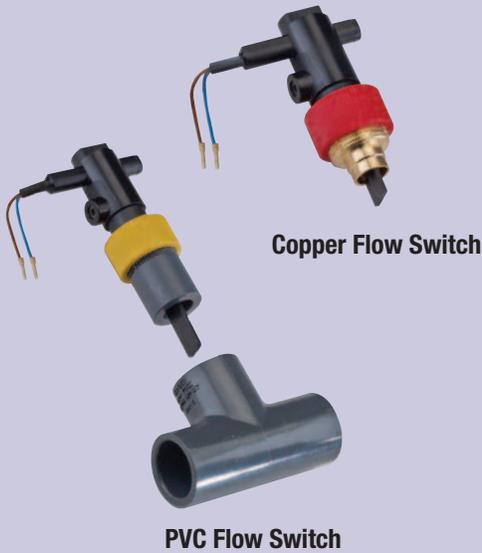
FLOW SWITCH

Copper Flow Switch

PVC Flow Switch

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.

PCM
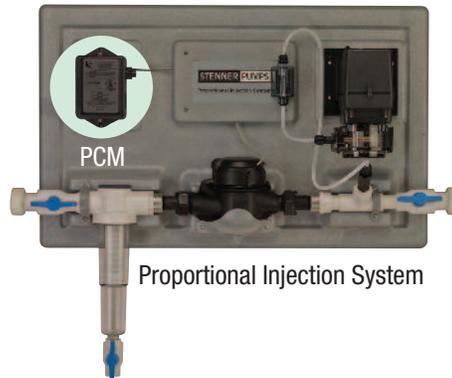
Proportional Injection System

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.

PCM
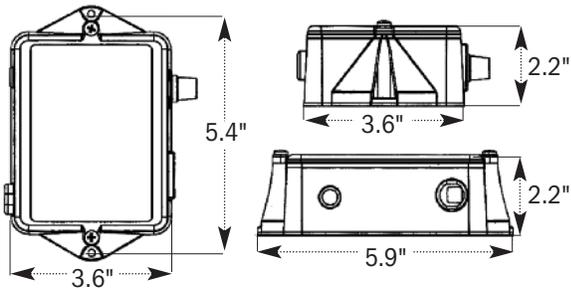
Classic Series
Fixed Output Pump

Water Meter
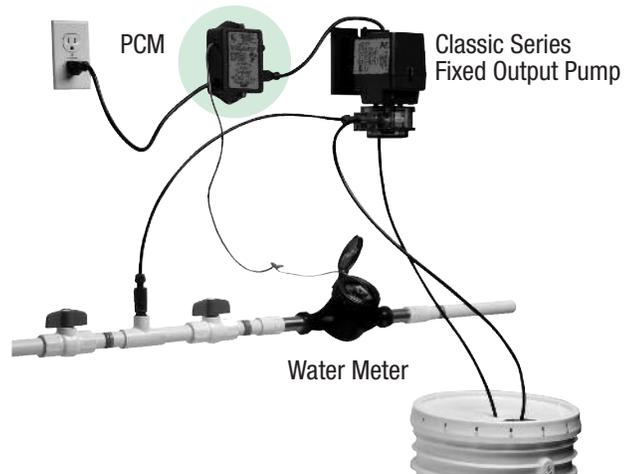
Features

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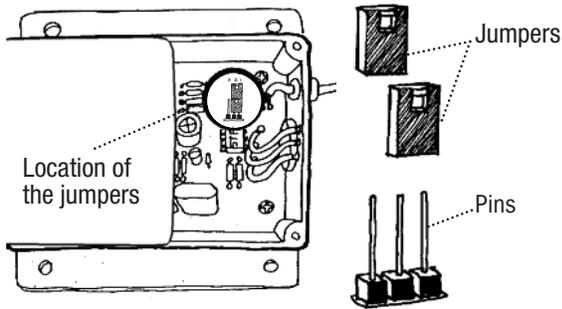- 10' power cord and jacketed signal input cable

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

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"
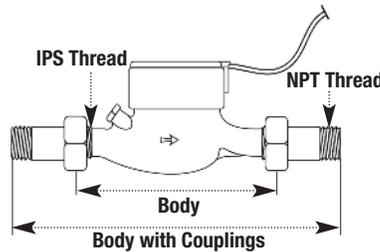
Flow Rates*

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 ±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.

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

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 ±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)

IPS Thread   NPT Thread

Body

Body with Couplings
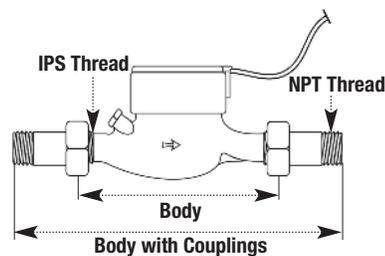
Stainless Steel Meters			
ITEM NUMBER	**UM**	**SIZE**	**PPG**
SSMRS20-1PPG	EA	2"	1 pulse/gallon
SSMRS20-2PPG			2 pulses/gallon
SSMRS20-4PPG			4 pulses/gallon

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.

QuickPro® PUMP LINE - Pump Tube			
Includes ferrules 1/4" (*EUROPE* 6 mm)			
PART NUMBER	**UM**	**DESCRIPTION**	**Works with**
UCCP20■ MCCP20■	2-PK 5-PK	Santoprene®* tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP / S / M128 M05 #5 tube only
UCCP207 MCCP207	2-PK 5-PK	Santoprene®* #7 tube	Classic 45 & 85 only / SVP / S / M128 M07 only
UCTYG0■ MCTYG0■	2-PK 5-PK	Versilon™* tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP / S
EUROPE UCCP2■CE MCCP2■CE	2-PK 5-PK	Santoprene®* tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP / S
UCCP27CE MCCP27CE	2-PK 5-PK	Santoprene®* #7 tube	Classic 45 & 85 only / SVP / S
UCTY■CE MCTY■CE	2-PK 5-PK	Versilon™* tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP / S

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

PART NUMBER	UM	DESCRIPTION	Works with
UCCP■FD	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
UCTY■FD	2-PK	Versilon™* tube select # 1 or 2 for ■	Classic / SVP / S
EUROPE UC■FDCE	2-PK	Santoprene®* tube select # 1 or 2 for ■	Classic / SVP / S
UC7FDCE	2-PK	Santoprene®* #7 tube	Classic 45 & 85 only / SVP / S
UCTY■DCE	2-PK	Versilon™* tube select # 1 or 2 for ■	Classic / SVP / S

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

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.

PUMP HEADS

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 QP25■-2	EA 2-PK	Select Santoprene®* tube # 1, 2, 3 or 4 for ■	Classic / SVP
QP255-1 QP255-2	EA 2-PK	#5 Santoprene®* tube	Classic / SVP / M128 M05 only
QP25T■-1	EA	Select Versilon™* tube # 1, 2, 3, 4 or 5 for ■	Classic / SVP
QP17■-1 QP17■-2	EA 2-PK	Select Santoprene®* tube # 1, 2, 3, 4 or 5 for ■	Classic / SVP
QP17T■-1	EA	Select Versilon™* tube # 1, 2, 3, 4 or 5 for ■	

EUROPE

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 # 1 or 2 for ■	Classic / SVP
QP107-1	EA	#7 Santoprene®* tube	Classic 45 & 85 only / SVP / M128 M07 only
QP10T■-1	EA	Select Versilon™* tube # 1 or 2 for ■	Classic / SVP
QP69■-1	EA	Select Santoprene®* tube # 1 or 2 for ■	Classic / SVP
QP697-1	EA	#7 Santoprene®* tube	Classic (45 & 85 only) / SVP
QP69T■-1	EA	Select Versilon™* tube # 1 or 2 for ■	Classic / SVP

EUROPE

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 S310■-2	EA 2-PK	Select Santoprene®* tube # 3, 4 or 5 for ■	S Series only
S320■-1	EA	Select Versilon™* tube # 3, 4 or 5 for ■	
S315■-1 S315■-2	EA 2-PK	Select Santoprene®* tube # 3, 4 or 5 for ■	
S325■-1	EA	Select Versilon™* tube # 3, 4 or 5 for ■	

EUROPE

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 S310■-2	EA 2-PK	Select Santoprene®* tube # 1, 2 or 7 for ■	S Series only
S320■-1	EA	Select Versilon™* tube # 1 or 2 for ■	
S315■-1 S315■-2	EA 2-PK	Select Santoprene®* tube # 1, 2 or 7 for ■	
S325■-1	EA	Select Versilon™* tube # 1 or 2 for ■	

EUROPE

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 QPA25■-2	EA 2-PK	Select Santoprene®* tube # 1, 2, 3, 4 or 5 for ■	Classic 100 & 170 only
EUROPE QPA17■-1 QPA17■-2	EA 2-PK	Select Santoprene®* tube # 1, 2, 3, 4 or 5 for ■	Classic 100 & 170 only

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 QPA10■-2	EA 2-PK	Select Santoprene®* tube select # 1 or 2 for ■	Classic 100 & 170 only
EUROPE QPA69■-1 QPA69■-2	EA 2-PK	Select Santoprene®* tube # 1 or 2 for ■	Classic 100 & 170 only

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 QP10A-2	EA 2-PK	Pump Head Cover	Classic 100 & 170 only
QP50A-1	EA	Roller Assembly	

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

Roller Assembly
or
Roller Assembly with Spline,
S Series only

Pump Tube

Ferrules   Connecting Nuts   Duckbill
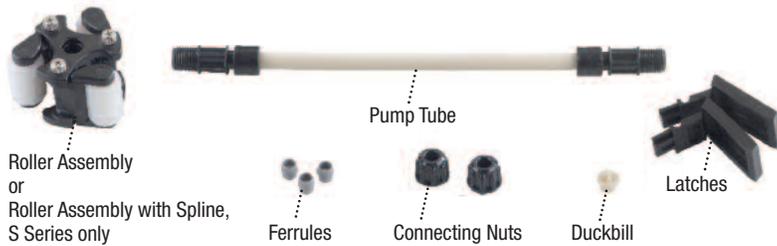
Latches

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
EUROPE 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
EUROPE QP697K	KIT	Kit-#7 Santoprene®* tube	Classic 45 & 85 only / SVP
EUROPE 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	Kit-Select Santoprene®* tube # 3, 4 or 5 for ■	
EUROPE S321■K	KIT	Kit-Select Versilon™* tube # 3, 4 or 5 for ■	

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	Kit-Select Santoprene®* tube # 1, 2 or 7 for ■	
EUROPE S321■K	KIT	Kit-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.

Latches

QP Tube Housing with Latches
or
QP Tube Housing with Leak Detect
and Latches, S Series only

QP Roller Assembly
or
QP Roller Assembly with
Spline, S Series only

Pump Tubes
Page 43

QP Tube Housing Cover
or
QP Tube Housing Cover with
Leak Detect, S Series only

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	

Pump Tubes Page 43   White Roller Assembly   Black Roller Assembly   Pump Head Cover
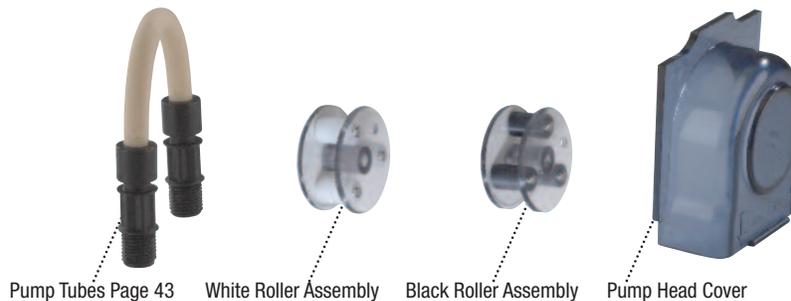
ECON PUMP LINE - Pump Head Parts

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

CHECK VALVES and INJECTION PARTS

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
UCDBINJ MCDBINJ	EA 5-PK	CV includes Santoprene®* duckbill, ferrule 1/4"	All Pumps
UCTYINJ MCTYINJ	EA 5-PK	CV includes Pellathane®* duckbill, ferrule 1/4"	
UCKMINJ MCKMINJ	EA 5-PK	CV includes FKM* duckbill, ferrule 1/4"	
UCINJ38 MCINJ38	EA 5-PK	CV includes Santoprene®* duckbill, ferrule 3/8"	
UCTYIJ38 MCTYIJ38	EA 5-PK	CV includes Pellathane®* duckbill, ferrule 3/8"	
UCKMI38 MCKMI38	EA 5-PK	CV includes FKM* duckbill, ferrule 3/8"	
BCV14TVH	EA	Injection ball check valve 1/4"	
EUROPE UCINJCE MCINJCE	EA 5-PK	CV includes Santoprene®* duckbill, ferrule 6 mm	
UCTINJCE MCTINJCE	EA 5-PK	CV includes Pellathane®* duckbill, ferrule 6 mm	
UCKMJCE MCKMJCE	EA 5-PK	CV includes FKM* duckbill, 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
CVIJ1/4	EA	Check Valve Injection Fitting 1/4"	All Pumps
CVIJ3/8	EA	Check Valve Injection Fitting 3/8"	
UCCVDB0 MCCVDB0	2-PK 5-PK	Santoprene®* Check Valve Duckbill	
CVIJOR	EA	Santoprene®* Check Valve O-Ring	
UCTYDB2 MCTYDB5	2-PK 5-PK	Pellathane®* Check Valve Duckbill	
UCKMDB0 MCKMDB0	2-PK 5-PK	FKM* Check Valve Duckbill & O-Ring	
TVIJOR	EA	Pellathane®* Check Valve O-Ring	

Injection Fitting with Nut & Ferrule 1/4"

Injection Fittings 0-25 psi (0-1.7 bar)			
PART NUMBER	UM	DESCRIPTION	Works with
UCAK300 MCAK300	EA 5-PK	Injection Fitting with Nut & Ferrule 1/4"	All Pumps
EUROPE UCAK3CE	KIT	Injection Fitting with Nut & Ferrule 6 mm	

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

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

1/4" White

3/8" UV Black

Miscellaneous Parts

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

Suction/Discharge Tubing

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

Pressure Spring
(Adjustable pumps only)

Motor Base

Coil   Wire Nuts

Rotor Assembly & Fan   Coil Ground Screw E   Coil Screw G with Lock Washer
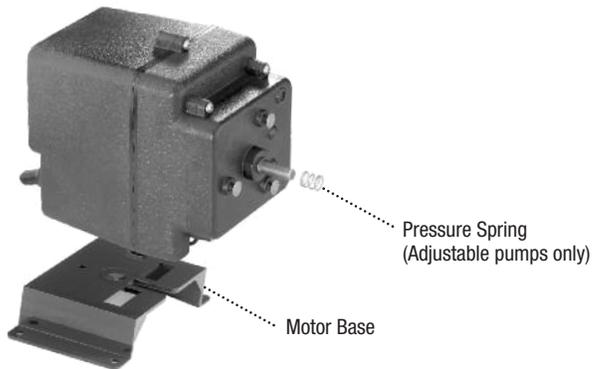
Motor 60Hz

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	
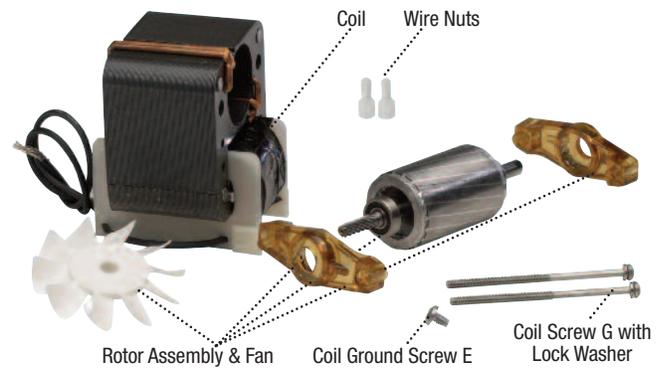
Motor Service Kits

Kit includes parts as shown

PART NUMBER	UM	DESCRIPTION	Works with
MSK120	KIT	120V 60Hz	All Classic Pumps
MSK220	KIT	220V 60Hz	

AquaShield®

Metal Reduction Gear   Gear Post   Phenolic Gear with Spacer   Cover Screw B   Motor Shaft with Gear

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
1	MP90000	EA	Rain Roof	All Classic Pumps
Not shown	MP90001	EA	Pump Cover	Adjustable 45 & 85
Not shown	MP90002	KIT	Pump Cover & Rain Roof	
2	MP6B010	EA	Power Cord 120V	All Classic Pumps
	MP6B020	EA	Power Cord 220V	
3	MP6C000	EA	Switch Boot	
4	PM6E000	EA	Toggle Switch	
5	MP6D000	EA	On-Off Switch Plate	
6	PM6A0BL	EA	Motor Cover with 120V Cord	
	PM6A00L	EA	Motor Cover with 220V Cord	
7	PM6F000	EA	Motor Fan	
8	MP70000	EA	Motor Base	
9	MP80000	EA	Mounting Bracket	
10	PMBRPL2	EA	Rotor Assembly with Bearings, Brackets, Tolerance Rings & Fan	
11	MP6J115	EA	Coil 60Hz 120V	
	MP6J226	EA	Coil 60Hz 220V	
INTERNATIONAL	MP6J223	EA	Coil 50Hz 230V	
	MP6J222	EA	Coil 50Hz 250V	

DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
12	PM6K0BL	EA	Gear Case with Posts	All Classic Pumps
13	PM6M000	EA	Gear Posts	
14	MP6N040	EA	Phenolic Gear with Spacer 26 rpm	Adjustable 45 & 100 / Fixed 45 & 100
	MP6N080	EA	Phenolic Gear with Spacer 44 rpm	Adjustable 85 & 170 / Fixed 85 & 170
15	MP6O040	EA	Metal Reduction Gear 26 rpm	Adjustable 45 & 100 / Fixed 45 & 100
	MP6O080	EA	Metal Reduction Gear 44 rpm	Adjustable 85 & 170 / Fixed 85 & 170
16	MP6Q00D	EA	Motor Shaft with Gear	Adjustable 45, 85, 100 & 170
	ME6Q0LD	EA	Motor Shaft with Gear	Fixed 45 & 85
	DM6Q0LD	EA	Motor Shaft with Gear	Fixed 100 & 170
17	PM6R0BL	EA	Gear Case Cover	All Classic Pumps
18	MP6T000	EA	Pressure Spring	Adjustable 45, 85, 100 & 170
19	UCCPS0B	10-PK	Cover Screw B	All Pumps
	MCCPS0B	24-PK		

1   Drive shown for reference, not sold separately

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	UCCPS0B	10-PK	Cover Screw B	All Econ Pumps
	MCCPS0B	24-PK		

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)	
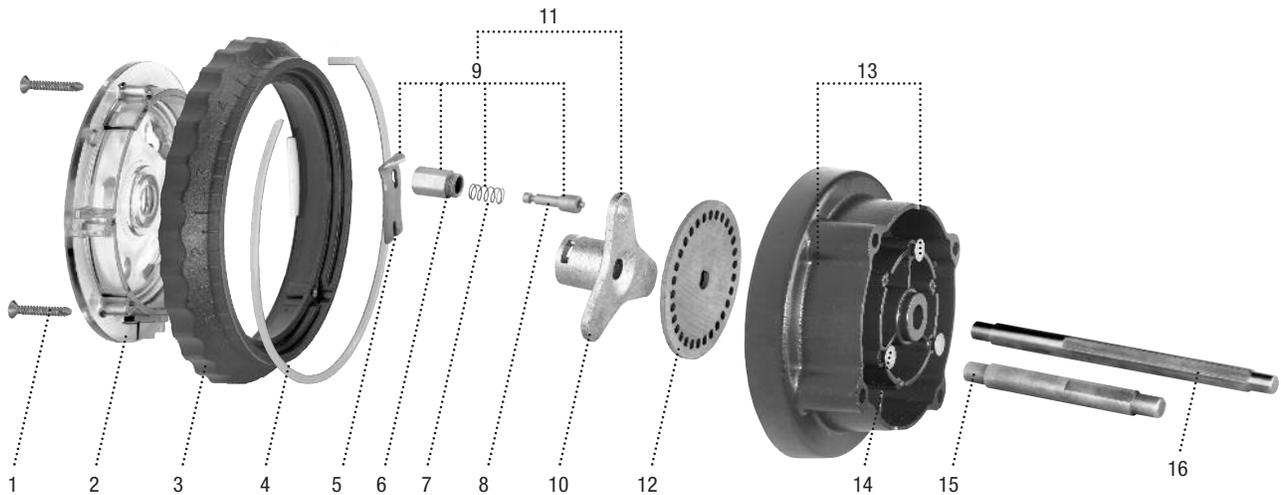
FEED RATE CONTROL

Feed Rate Control Parts

DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
1	FCS000A	EA	FRC Screw A	Adjustable 45, 85, 100 & 170
2	FC5N000	EA	Feed Rate Mounting Plate	
3	FC5M040	EA	Dial Ring	
4	UCFC5H0 / MCFC5H0	2-PK / 5-PK	Variable Cam	
5	UCFC5L1 / MCFC5L1	2-PK / 5-PK	Index Pin Lifter	
6	FC5L003	EA	Index Pin Holder	
7	FC5L005	EA	Index Pin Spring	
8	FC5L002	EA	Index Pin	
9	UCFC5AY / MCFC5AY	EA / 2-PK	Index Pin Assembly with Lifter includes 5, 6, 7 & 8	

DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
10	FC5K00D	EA	Index Spider	Adjustable 45, 85, 100 & 170
11	FC5LASY	EA	Index Spider Assembly includes 9 & 10	
12	UCFC5ID / MCFC5ID	EA / 5-PK	Index Plate	
13	FC5D00S	EA	Feed Rate Housing with Roller Clutch, Seal & Rivets	
14	FCS000C	EA	Mounting Rivet C	
15	UCFC5AD / MCFC5AD	EA / 2-PK	Main Shaft	Adjustable 45 & 85
16	DM5A00D	EA	Main Shaft	Adjustable 100 & 170

Feed Rate Control with Shaft

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

Variable Cam   AquaShield®

Index Plate   Lifter   Screw A
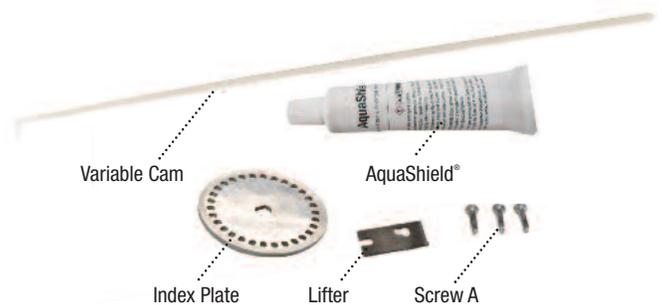
Feed Rate Service Kits

Kit includes parts as shown

PART NUMBER	UM	DESCRIPTION	Works with
FSK100	KIT	Feed Rate Control Service Kit	Adjustable 45, 85, 100 & 170

MIXER and WATER METER PARTS

Wetted Parts

Drive Assembly   Tank Mount with Drive Shaft   Head Assembly

Coil   Wire Nuts

Mixer Rotor Assembly & Fan   Coil Ground Screw E   Coil Screw G with Lock Washer
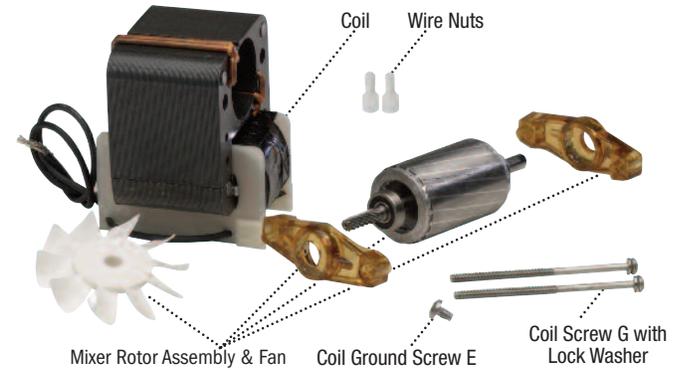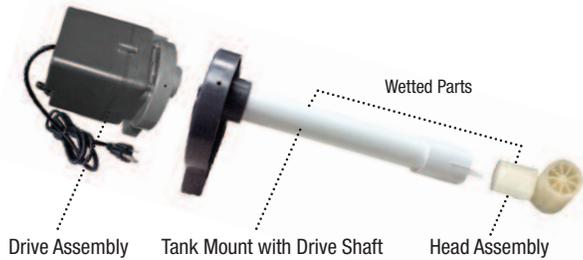
MIXER - Drive Assembly		
PART NUMBER	UM	DESCRIPTION
MXAD	EA	120V 60Hz
MXBD	EA	220V 60Hz

MIXER - Tank Mount with Drive Shaft		
PART NUMBER	UM	DESCRIPTION
MX75M	EA	Works with 7.5-Gallon tank
MX15M	EA	Works with15-Gallon tank
MX30M	EA	Works with 30-Gallon tank

MIXER - Head Assembly		
PART NUMBER	UM	DESCRIPTION
MX100	EA	Works with all mixers

MIXER - Drive Assembly Service Kit		
Kit includes parts as shown		
PART NUMBER	UM	DESCRIPTION
MX120	KIT	120V 60Hz
MX220	KIT	220V 60Hz

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

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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	B
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	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	B
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 *see Sodium Hypochlorite*	*	*	*	*	*
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	B
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	C
Sodium Hydroxide 20-46.5%	A	C	A	B	C
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.

POLICIES

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.

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Fri. 7:00 am–5:30 pm

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