STENNER PUMP COMPANY **2018 CATALOG**

STENNER PUMPS®

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
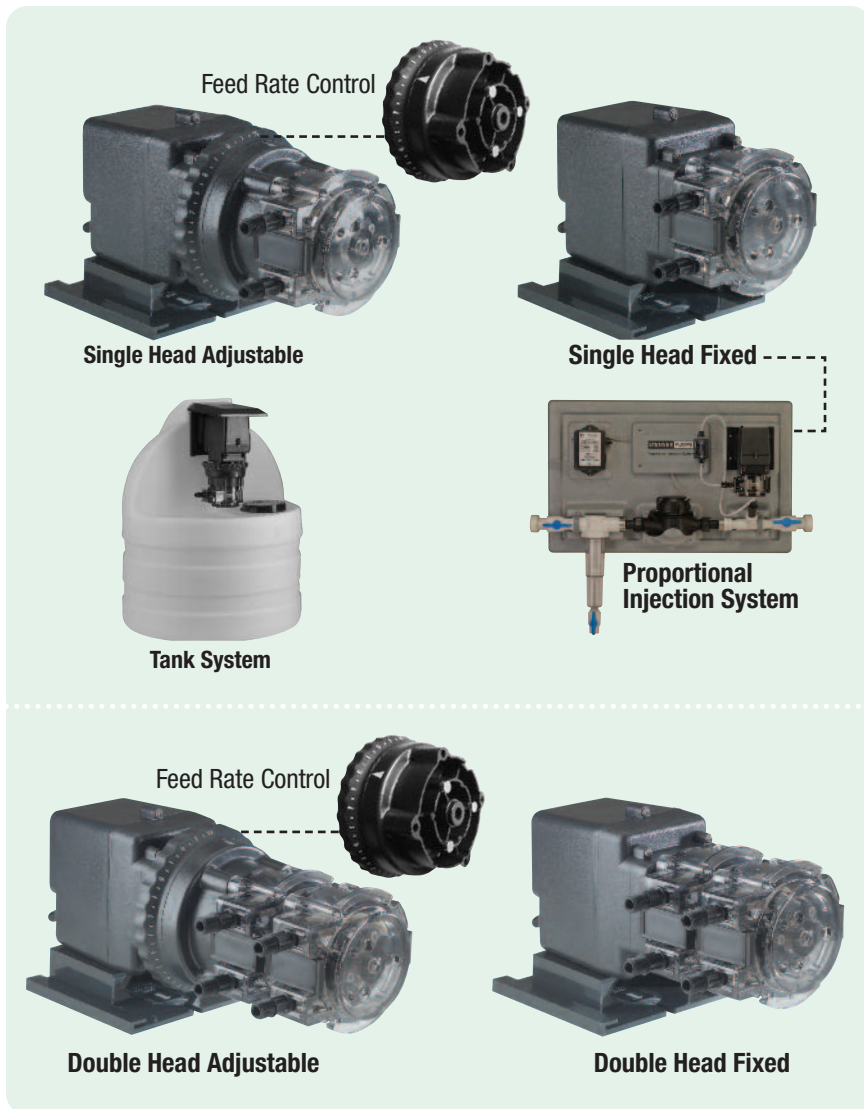
• Tube replacement without tools

ECON PUMP LINE

• Compact, designed for light duty

• Patented quick release pump head

• Tube replacement without tools

CATALOG CONTENTS

CLASSIC SERIES

Electromechanical | Single or Double Head | Adjustable or Fixed

Feed Rate Control

Single Head Adjustable

Single Head Fixed

Tank System

Proportional Injection System

Feed Rate Control

Double Head Adjustable

Double Head Fixed

Quick Facts

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

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

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

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

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 38-40
- Components are interchangeable between models
- Tank System ships pre-assembled for quick installations

Versatile and Time-Tested

For over 60 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.
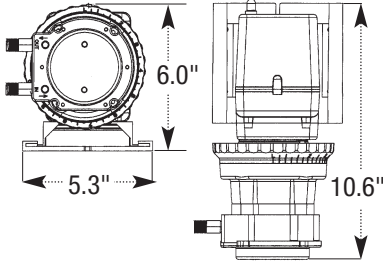
Weights and Dimensions

Single Head Adjustable
Shipping Weight 9 lbs (3.9 kg)
Box Dimensions
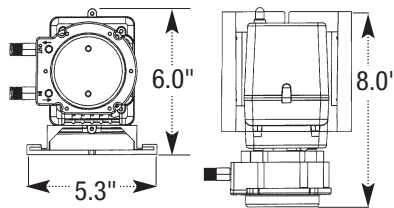13 x 8 x 10 in. (33 x 20 x 24 cm)
Product Dimensions

6.0"
5.3"
10.6"

Single Head Fixed
Shipping Weight 8 lbs (3.4 kg)
Box Dimensions
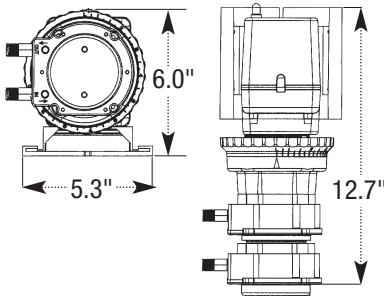13 x 8 x 10 in. (33 x 20 x 24 cm)
Product Dimensions

6.0"
8.0"
5.3"

Double Head Adjustable
Shipping Weight 10 lbs (4.5 kg)
Box Dimensions
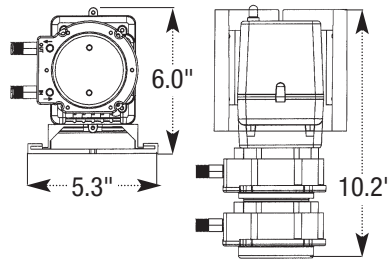18 x 8 x 10 in. (46 x 21 x 25 cm)
Product Dimensions

6.0"
5.3"
12.7"

Double Head Fixed
Shipping Weight 10 lbs (4.1 kg)
Box Dimensions
18 x 8 x 10 in. (46 x 21 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) maximum
     OR injection fitting 25 psi (1.7 bar) maximum

1   Weighted suction line strainer 1/4", 3/8" or 6 mm *EUROPE*

1   20' Roll suction/discharge tubing 1/4" or 3/8", white or 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), 250V 50Hz 1PH (0.9)

Power Cord Type
120V 60Hz, 220V 60Hz: SJTOW
230V 50Hz, 250V 50Hz: H05VV-F

Power Cord Plug End
120V 60Hz NEMA 5-15P, 220V 60Hz NEMA 6-15P,
230V 50Hz CEE7/7, 250V 50Hz CEE7/7

Materials of Construction

All Housings Polycarbonate

Pump Tube Santoprene®, FDA approved or Versilon®

Check Valve Duckbill
Santoprene®, FDA approved or Pellethane®

Pump Head Rollers Polyethylene

Roller Bushings Oil impregnated bronze

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

Tube Fittings, Check Valve Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

3/8" Adapter PVC or Polypropylene, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed with 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 US
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.

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

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45M1	45MJL1	1	0.2 to 3.0	0.01 to 0.13	0.02 to 0.27	0.8 to 11.4	0.03 to 0.48	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	0.02 to 0.42	0.04 to 0.89	1.9 to 37.9	0.08 to 1.58	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	0.05 to 0.92	0.10 to 1.96	4.2 to 83.3	0.18 to 3.47	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	0.07 to 1.46	0.15 to 3.11	6.4 to 132.5	0.27 to 5.52	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	0.10 to 2.08	0.22 to 4.44	9.5 to 189.3	0.40 to 7.89	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	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13	0.9 to 15.1	0.04 to 0.63	0.52 to 10.49
	85M2	85MJL2	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65	2.4 to 51.5	0.10 to 2.15	1.67 to 35.76
	85M3	85MJL3	3	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14	6.1 to 121.1	0.25 to 5.05	4.24 to 84.10
	85M4	85MJL4	4	3.0 to 60.0	0.13 to 2.5	0.27 to 5.33	11.4 to 227.1	0.48 to 9.46	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	0.18 to 3.54	0.38 to 7.55	16.3 to 321.8	0.68 to 13.4	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 100 psi (6.9 bar) maximum Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45MHP2	45MJH1	1	0.2 to 3.0	0.01 to 0.13	0.02 to 0.27	0.8 to 11.4	0.03 to 0.48	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	0.02 to 0.42	0.04 to 0.89	1.9 to 37.9	0.08 to 1.58	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	0.05 to 0.92	0.10 to 1.96	4.2 to 83.3	0.18 to 3.47	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	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13	0.9 to 15.1	0.04 to 0.63	0.52 to 10.49
	85MHP17	85MJH2	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65	2.4 to 51.5	0.10 to 2.15	1.67 to 35.76
	85MHP40	85MJH7	7	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14	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 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				

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 45.

Voltage & Hertz
- **A** 120V 60Hz
- **B** 220V 60Hz
- **C** 230V 50Hz *INTERNATIONAL*
- **D** 250V 50Hz *INTERNATIONAL*

Contact the factory for additional voltage and plug 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 25 psi (1.7 bar) maximum

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

Single Head Fixed - Flow Rate Output Chart 100 psi (6.9 bar) maximum

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45MPHP2	45MFH1	1	3.0	0.13	0.27	11.4	0.48	7.92	9.1	0.38	6.32
	45MPHP10	45MFH2	2	10.0	0.42	0.89	37.9	1.58	26.32	30.3	1.26	21.04
	45MPHP22	45MFH7	7	22.0	0.92	1.96	83.3	3.47	57.85	66.6	2.78	46.25
85 SERIES	85MPHP5	85MFH1	1	5.0	0.21	0.44	18.9	0.79	13.13	15.1	0.63	10.49
	85MPHP17	85MFH2	2	17.0	0.71	1.51	64.4	2.68	44.65	51.5	2.15	35.76
	85MPHP40	85MFH7	7	40.0	1.67	3.55	151.4	6.31	105.14	121.1	5.05	84.10
					Approximate Output @ 60Hz					Approximate Output @ 50Hz		

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 | | | |

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 45.

Voltage & Hertz
- **A** 120V 60Hz
- **B** 220V 60Hz
- **C** 230V 50Hz *INTERNATIONAL*
- **D** 250V 50Hz *INTERNATIONAL*

Contact the factory for additional voltage and plug 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 Adjustable - Flow Rate Output Chart 25 psi (1.7 bar) maximum Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
100 SERIES	100DM1	100JL1	1	0.3 to 6.0	0.01 to 0.25	0.03 to 0.53	1.1 to 22.7	0.05 to 0.95	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	0.04 to 0.83	0.09 to 1.78	3.8 to 75.7	0.16 to 3.15	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	0.09 to 1.83	0.19 to 3.91	8.3 to 166.5	0.35 to 6.94	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	0.15 to 2.92	0.31 to 6.22	13.2 to 265.0	0.55 to 11.04	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	0.21 to 4.17	0.44 to 8.88	18.9 to 378.5	0.79 to 15.77	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	0.02 to 0.42	0.04 to 0.89	1.9 to 37.9	0.08 to 1.58	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	0.07 to 1.42	0.15 to 3.02	6.4 to 128.7	0.27 to 5.36	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	0.17 to 3.33	0.35 to 7.11	15.1 to 302.8	0.63 to 12.62	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	0.25 to 5.00	0.53 to 10.66	22.7 to 454.2	0.95 to 18.93	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	0.35 to 7.08	0.76 to 15.10	32.2 to 643.5	1.34 to 26.80	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 100 psi (6.9 bar) maximum Approximate 20:1 turndown, 2.5% increments

	Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
100 SERIES	100DMHP5	100JH1	1	0.3 to 6.0	0.01 to 0.25	0.03 to 0.53	1.1 to 22.7	0.05 to 0.95	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	0.04 to 0.83	0.09 to 1.78	3.8 to 75.7	0.16 to 3.15	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	0.02 to 0.42	0.04 to 0.89	1.9 to 37.9	0.08 to 1.58	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	0.07 to 1.42	0.15 to 3.02	6.4 to 128.7	0.27 to 5.36	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 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

Voltage & Hertz
- **A** 120V 60Hz
- **B** 220V 60Hz
- **C** 230V 50Hz *INTERNATIONAL*
- **D** 250V 50Hz *INTERNATIONAL*

Contact the factory for additional voltage and plug 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®

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 25 psi (1.7 bar) maximum

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

Double Head Fixed - Flow Rate Output Chart 100 psi (6.9 bar) maximum

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

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		

Voltage & Hertz
- **A** 120V 60Hz
- **B** 220V 60Hz
- **C** 230V 50Hz *INTERNATIONAL*
- **D** 250V 50Hz *INTERNATIONAL*

Contact the factory for additional voltage and plug 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.

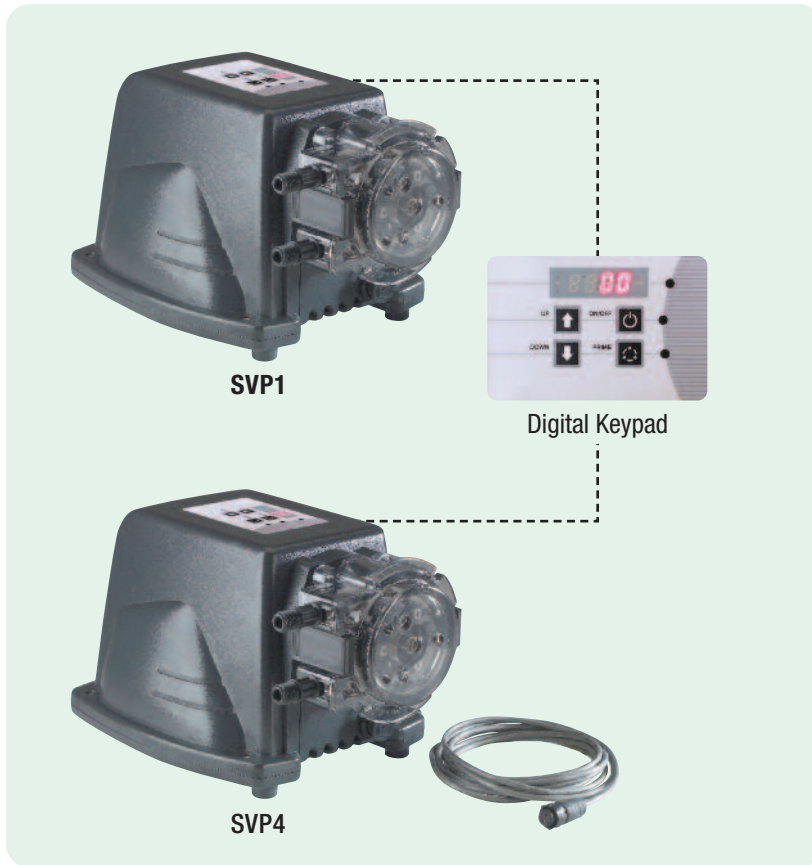**Tube Material**
- **S** Santoprene®
- **T** Versilon®

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.

SVP SERIES

Variable Speed | 4-20mA

SVP1

Digital Keypad

SVP4

Quick Facts

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

SVP1
- 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.
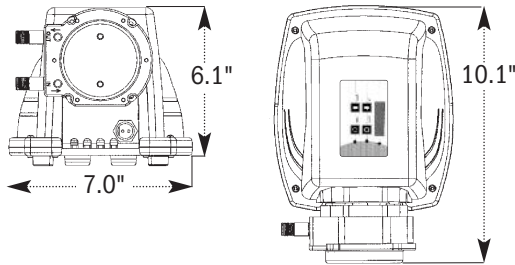
Features

- 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 10 in. (36 x 23 x 24 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) maximum
     OR injection fitting 25 psi (1.7 bar) maximum

1   Weighted suction line strainer 1/4", 3/8" or 6 mm *EUROPE*

1   20' Roll suction/discharge tubing 1/4" or 3/8", white or 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 (average maximum) 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),
250V 50/60Hz 1PH (1.5)

Power Cord Type
120V 60Hz, 220V 60Hz: SJTOW
230V 50Hz, 250V 50Hz: H05VV-F
12VDC: VW-1

Power Cord Plug End
120V 60Hz NEMA 5-15P, 220V 60Hz NEMA 6-15P,
230V 50Hz CEE7/7, 250V 50Hz CEE7/7
12VDC Pigtail connection

Materials of Construction

All Housings Polycarbonate

Pump Tube Santoprene®, FDA approved or Versilon®

Check Valve Duckbill
Santoprene®, FDA approved or Pellethane®

Pump Head Rollers Polyethylene

Roller Bushings Oil impregnated bronze

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

Tube Fittings, Check Valve Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

3/8" Adapter PVC or Polypropylene, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed, with 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.

METERING PUMP
LR79585
C SP® US

METERING PUMP
UL® LISTED
96F0

CE

IPX4

C USA
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.

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

SVP SERIES

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

Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
MANUAL								
SVP1L1	SVP1L1	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP1L2	SVP1L2	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP1L3	SVP1L3	3	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
SVP1L4	SVP1L4	4	3.0 to 60.0	0.13 to 2.50	0.27 to 5.33	11.4 to 227.1	0.48 to 9.46	7.92 to 157.71
SVP1L5	SVP1L5	5	4.3 to 85.0	0.18 to 3.54	0.38 to 7.55	16.3 to 321.8	0.68 to 13.40	11.32 to 223.40
4-20mA INPUT*								
SVP4L1	SVP4L1	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP4L2	SVP4L2	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP4L3	SVP4L3	3	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
SVP4L4	SVP4L4	4	3.0 to 60.0	0.13 to 2.50	0.27 to 5.33	11.4 to 227.1	0.48 to 9.46	7.92 to 157.71
SVP4L5	SVP4L5	5	4.3 to 85.0	0.18 to 3.54	0.38 to 7.55	16.3 to 321.8	0.68 to 13.40	11.32 to 223.40
			Approximate Output @ 50/60Hz					

SVP - Flow Rate Output Chart   100 psi (6.9 bar) maximum

Model	Item Number Prefix	Pump Tube	Gallons per Day	Gallons per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
MANUAL								
SVP1H1	SVP1H1	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP1H2	SVP1H2	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP1H7	SVP1H7	7	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
4-20mA INPUT*								
SVP4H1	SVP4H1	1	0.3 to 5.0	0.01 to 0.21	0.03 to 0.44	1.1 to 18.9	0.05 to 0.79	0.76 to 13.13
SVP4H2	SVP4H2	2	0.8 to 17.0	0.03 to 0.71	0.07 to 1.51	3.0 to 64.4	0.13 to 2.68	2.08 to 44.65
SVP4H7	SVP4H7	7	2.0 to 40.0	0.08 to 1.67	0.18 to 3.55	7.6 to 151.4	0.32 to 6.31	5.27 to 105.14
			Approximate Output @ 50/60Hz					

* Input Signal Voltage/Resistance maximum 48VDC/128 ohm.

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			

Voltage & Hertz
A 120V 60Hz
B 220V 60Hz
C 230V 50Hz *INTERNATIONAL*
D 250V 50Hz *INTERNATIONAL*
V 12VDC (No agency listings)
Contact the factory for additional voltage and plug 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.

S SERIES

Variable Speed | Multiple Control Modes | Performance Indicators

Control Panel
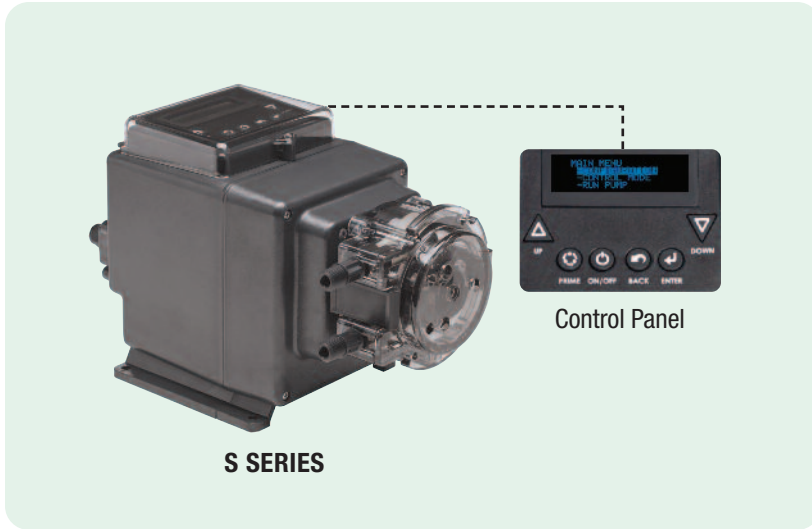
S SERIES

Quick Facts

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

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.

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

Operation Mode	Pump Condition	Programmable Communication	
		Display Alarm on control panel	Three Output Relays to pump, system or device
Manual	Tube Change	✓	✓
4-20mA*	Tube Leak	✓	✓
0-10VDC*	Standby	✓	✓
Pulse	Drive Fault	✓	✓
Hall Effect	Off	✓	✓
7 Day Timer	Repeat Pulse	———	✓
PPM Feed–Constant, Flow Switch	Run	———	✓
PPM Feed–Variable, Hall Effect	Mode Change	———	✓
Cycle Timer	Transfer	———	✓
4-20mA* or 0-10VDC*	High Signal	✓	✓
4-20mA* or 0-10VDC*	Low Signal	✓	✓
Hall Effect or PPM Feed-Variable	High Flow	✓	✓
Hall Effect	Low Flow	✓	✓
Pulse	Signal Overrun	✓	✓

* Scalable, invertible
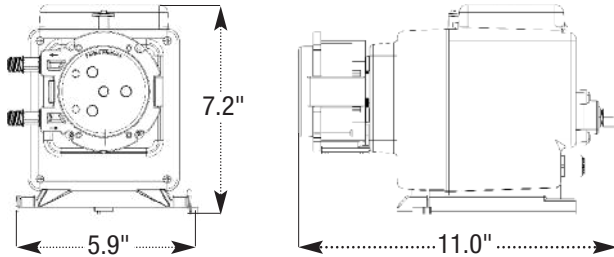
Weights and Dimensions

Shipping Weight 9 lbs (3.7 kg)

Box Dimensions 14 x 9 x 10 in. (35 x 23 x 24 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) maximum
    OR 1 injection fitting 25 psi (1.7 bar) maximum

1   Weighted suction line strainer 1/4", 3/8" or 6 mm *EUROPE*

1   20' Roll suction/discharge tubing 1/4" or 3/8", white or 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 H05RN-F

Power Cord Plug End
120V 60Hz 5-15P, 230V 50Hz CEE7/7

Hall Effect Max. Input Frequency 100 KHz

Shaft rpm (average maximum) 45

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
Santoprene®, FDA approved, or Versilon®

Check Valve Duckbill
Santoprene®, FDA approved, or Pellethane®

Pump Head Rollers Polyethylene

Roller Bushings Oil impregnated bronze

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

Tube Fittings, Injection Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

3/8" Adapter PVC or Polypropylene, NSF listed
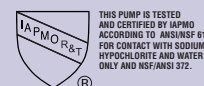
Suction Line Strainer and Cap PVC or
Polypropylene, NSF listed, with Ceramic Weight

All Fasteners Stainless steel

Pump Head Latches Polypropylene

Leak Detect Clips, Springs, Pins Hastelloy®

Agency Listings

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

S Series - Flow Rate Output Chart   25 psi (1.7 bar) maximum
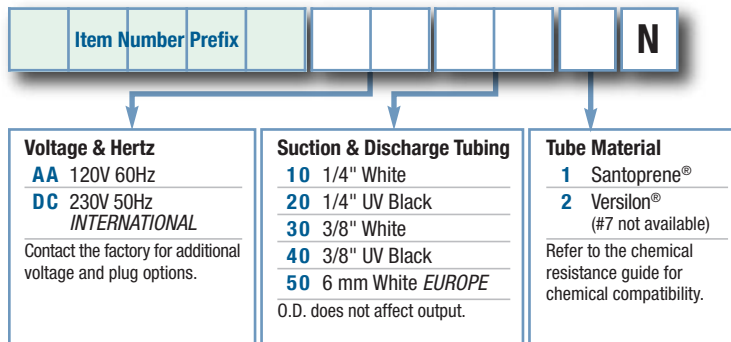
Model	Item Number Prefix	Pump Tube	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S3003	S3003	3	100:1	0.40 to 40	0.017 to 1.67	2.13 to 213	0.036 to 3.56	1.51 to 151	0.063 to 6.31	63.09 to 6309	1.05 to 105
S3004	S3004	4	100:1	0.60 to 60	0.025 to 2.50	3.20 to 320	0.053 to 5.33	2.27 to 227	0.095 to 9.46	94.64 to 9464	1.58 to 158
S3005	S3005	5	100:1	0.85 to 85	0.035 to 3.54	4.53 to 453	0.076 to 7.56	3.22 to 322	0.134 to 13.41	134.07 to 13407	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	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
S3001	S3001	1	100:1	0.05 to 5	0.002 to 0.21	0.27 to 27	0.004 to 0.44	0.19 to 19	0.008 to 0.79	7.89 to 789	0.13 to 13
S3002	S3002	2	100:1	0.17 to 17	0.007 to 0.71	0.91 to 91	0.015 to 1.51	0.64 to 64	0.027 to 2.68	26.81 to 2681	0.45 to 45
S3007	S3007	7	100:1	0.40 to 40	0.017 to 1.67	2.13 to 213	0.036 to 3.56	1.51 to 151	0.063 to 6.31	63.09 to 6309	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 *INTERNATIONAL*
Contact the factory for additional voltage and plug 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.
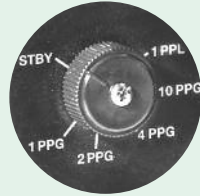
How to build an Item Number
1. Refer to above **Flow Rate Output Chart** to select a pump.
2. Select the **Item Number Prefix** from the output chart.
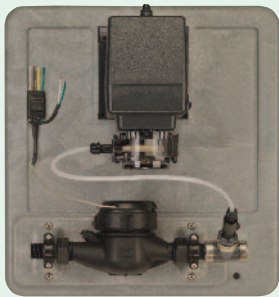3. Select the remaining options to complete the item number.

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 maximum

M07
- 3.5 oz/min, pressures to 100 psi maximum

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, even 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 the Water Quality Association 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
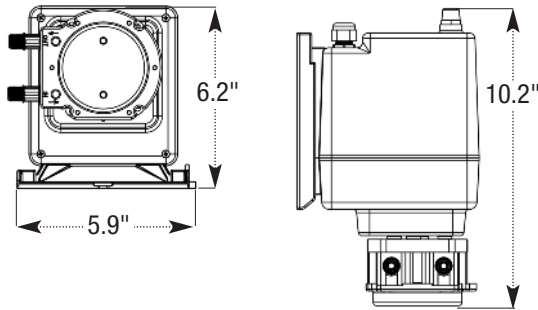- Solution is not in contact with moving parts

Weights and Dimensions

M128 Pump

Shipping Weight 10 lbs (4.5 kg)

Box Dimensions 14 x 9 x 10 in. (35 x 23 x 24 cm)

Product Dimensions

M128 Meter System

Shipping Weight 21 lbs (9.5 kg)

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

Accessory Kit Shipped with Each Pump

3 Connecting nuts 1/4"

3 Ferrules 1/4"

1 Injection check valve 80 psi (5.5 bar) maximum
   OR 1 injection fitting 25 psi (1.7 bar) maximum

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

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 24VDC, 2.0 A, Brushed DC, 1/30 HP

Duty Cycle Continuous

Shaft rpm (average maximum) 55

Motor Voltage (Amp Draw)
120V 60Hz 1PH (0.5)
220V 60Hz 1PH (0.33)

Power Cord Type
120V 60Hz, 220V 60Hz: SJTOW

Power Cord Plug End
120V 60Hz NEMA 5-15P
220V 60Hz NEMA 6-15P

Materials of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill
Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Roller Bushings Oil impregnated bronze

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

Tube Fittings, Check Valve Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed, with Ceramic Weight

All Fasteners Stainless steel

Pump Head Latches Polypropylene

Agency Listings

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

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	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 100 psi (6.9 bar) maximum

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	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 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						

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 45.

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

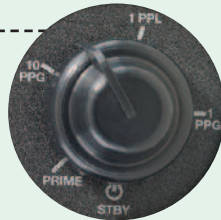Tank System and Meter System are two separate systems and are not sold as one.

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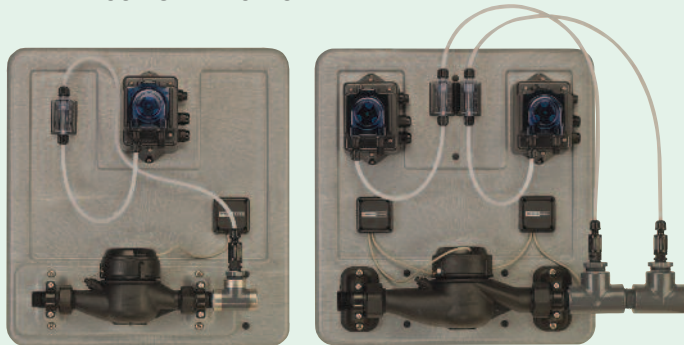
ECON STENNICATOR

1:128 Medicator | Internal Relay

ECON STENNICATOR

Pulse Dial

ECON STENNICATOR Meter Systems - Single and Dual

ECON Tank System

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

Quick Facts

- 2.7 ounces per minute, pressures to 80 psi maximum
- 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 into 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
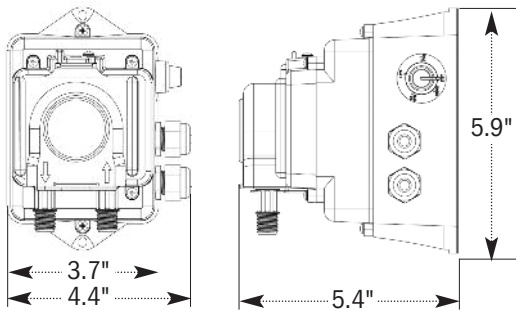- cULus for indoor/outdoor use

ECON STENNICATOR

Weights and Dimensions

Pump
Shipping Weight 4 lbs (1.6 kg)
Box Dimensions 8 x 8 x 10 in. (21 x 21 x 25 cm)
Product Dimensions

3.7"
4.4"
5.9"
5.4"

Meter System Panel
Shipping Weight
Single 17 lbs (7.7 kg)
Dual 20 lbs (9.1 kg)

Box Dimensions
8 x 8 x 10 in. (21 x 21 x 25 cm)

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 (average maximum) 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 120V 60Hz: STP-2W

Power Cord Length 10 ft (3.05 m)

Power Cord Plug End
Wall adapter, Class II power supply:
100-120V 60Hz: 1.0A maximum input,
two prong, polarized 24VDC, 1.25A 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 and Injection Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed,
with Ceramic Weight

All Fasteners Stainless steel

Agency Listings
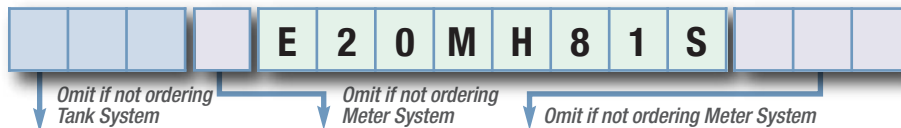

c UL us
LISTED
METERING PUMP
96F0

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 with pumps rated 80 psi (5.5 bar) maximum.

(!) **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 45.

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
011	1" 1 pulse/gallon
010	1" 10 pulses/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.
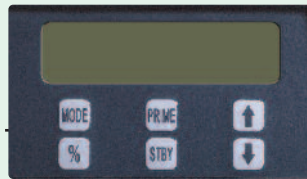3. Select the remaining options to complete the item number.

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

ECON INTEGRATOR™ SERIES
Flow Activated | Internal Relay

ECON INTEGRATOR™

Control Panel

ECON INTEGRATOR™ Meter System

ECON Tank System

Quick Facts

- 4.5, 16.0, 30.0 gpd, pressures to 80 psi maximum
- 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.

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.

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
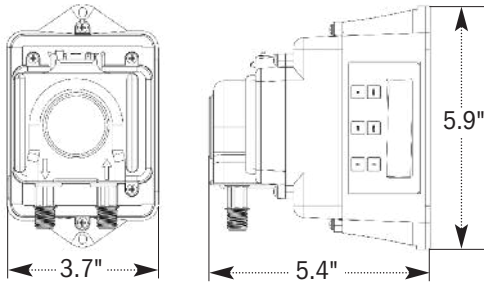- cULus for indoor/outdoor use
- NSF 61 & 372

Weights and Dimensions

Pump

Shipping Weight 4 lbs (1.8 kg)
Box Dimensions 8 x 8 x 10 in. (21 x 21 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" or 6 mm *EUROPE*

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 (average maximum) 60

Duty Cycle Continuous

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

External Power Supply
100-120VAC, 60Hz

Power Cord Type 120V 60Hz: STP-2W

Power Cord Plug End
Wall adapter, Class II power supply: 100-120V 60Hz:
1.0A maximum input, two prong, polarized 24VDC,
1.25A 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 and Injection Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed, with 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.

c UL us
LISTED
METERING PUMP
96FD

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 with pumps rated 80 psi (5.5 bar) maximum.

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 45.

Voltage & Hertz
7 120V 60Hz; 6' cord
8 120V 60Hz; 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.
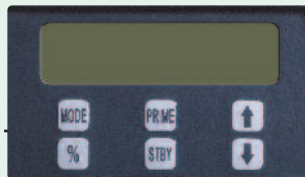3. Select the remaining options to complete the item number.

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

Three Operating Modes

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

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

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

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

Quick Facts

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

Multi-Functional, Flow Activated

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

Econ FP Meter System or Tank System

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

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

Features

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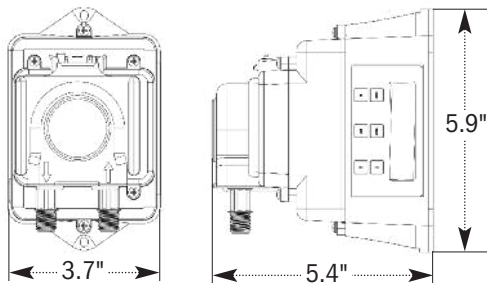- NSF 61 & 372
- CE listed, varies by model

ECON FP SERIES

Weights and Dimensions

Pump

Shipping Weight 4 lbs (1.7 kg)

Box Dimensions 8 X 8 x 10 in. (21 x 21 x 25 cm)

Product Dimensions

5.9"

3.7"

5.4"

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" or 6 mm *EUROPE*

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 (average maximum) 60

Duty Cycle Continuous

Motor Voltage (Amp Draw)
120V 60Hz, 240V 50Hz (0.17)

External Power Supply
100-120VAC, 60Hz or 220-240VAC, 50Hz

Power Cord Type
120V 60Hz, 240V 50Hz: STP-2W

Power Cord Length
6 ft (1.83 m)
10 ft (3.05 m)

Power Cord Plug End
Wall adapter, Class II power supply:
100-120V 60Hz: 1.0A maximum input,
two prong, polarized 24VDC, 1.25A output or
220-240V 50Hz: 1.0A maximum input,
two prong, CEE7 style plug 24VDC 1.87A 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 and Injection Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

Suction Line Strainer and Cap PVC or
Polypropylene, NSF listed, with 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.

C E   IP44   c (UL) us
                  LISTED
                  METERING PUMP
                  96F0

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 with pumps rated 80 psi (5.5 bar) maximum.

! **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 45.

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

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

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

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

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

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

ECON T

ECON T TANK SYSTEM

Quick Facts

ECON T

- 0.22–1.33 oz/min, pressures to 25 psi maximum
- 0.05–1.92 oz/min, pressures to 80 psi maximum
- Santoprene® pump tube
- Wall adapter power supply
- Optional mounting accessories
- Available as a Tank System

Automatic Dosing Control for Timed Applications

The Econ T and TD pumps provide automatic injection and offer flexibility to program a customized dosing schedule for light duty applications. The pumps have 24 independent On and Off events within a 7 day period easily set using the digital control pad with LCD display. Each event can be programmed for a specific On time and a specific Off time for each selected day or days of the week, and 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 and to maintain the internal time and programmed events. When the pump is operating, the screen displays the current day, time and mode of operation.

ECON TD Electric

ECON TD Battery-Powered

Quick Facts

ECON TD

- 0.81-3.18 oz/min, pressures to 5 psi maximum
- FKM pump tube for d-limonene
- Wall adapter power supply
- Indoor/outdoor use
- Optional mounting accessories

ECON TD Battery-Powered

- 2.2-4 oz/min, pressures to 5 psi maximum
- FKM pump tube for d-limonene
- Silicone pump tube
- 8 D cell batteries 1.2V-1.5V
  OR 2 6V lantern batteries, not included
- Indoor use
- Wall mountable only

Applications

ECON T

- Biocide feed for Legionella prevention in small cooling towers
- Sanitation for water fountains
- Injection of liquid solar blankets or enzymes for commercial pools
- Injection for scale and algae control in poultry evaporative cool cells
- Disinfection of poultry hatchery dip tanks

ECON TD

The Econ TD pumps are an extension of the Econ T programmable timer series designed for 5 psi or less. Timed applications such as commercial drain line maintenance, grease trap treatment or odor control installations are some of the possibilities. Unlike the Econ T, both TD pumps offer an FKM tube for d-limonene. The Econ TD battery-powered pump offers a silicone pump tube option and is the only pump in the Econ line with a blue roller assembly.

Accessory Kit Shipped with Each Pump

ECON T

3 Connecting nuts 1/4"

3 Ferrules 1/4" or 6 mm *EUROPE*

1 Injection check valve 80 psi (5.5 bar) maximum
   OR 1 injection fitting 25 psi (1.7 bar) maximum

1 Weighted suction line strainer 1/4" or 6 mm *EUROPE*

1 20' Roll suction/discharge tubing 1/4" white or UV black
   OR 6 mm white *EUROPE*

1 Additional pump tube

1 Manual

ECON TD

3 Connecting nuts 1/4"

3 Ferrules 1/4" or 6 mm *EUROPE*

1 Injection fitting

1 Ceramic weight with clip 1/4"

1 20' Roll suction/discharge tubing 1/4" white or UV black
   OR 6 mm white *EUROPE*

1 Manual and addendum

NOTE: Econ TD Battery Pump includes 1 mounting bracket

Features

- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Effortless tube replacement without tools
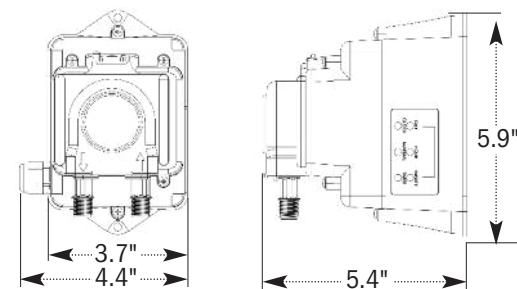- Enclosed housing
- Wall mountable

Weights and Dimensions

ECON T and ECON TD Electric-Powered

Shipping Weight 4 lbs (1.8 kg)
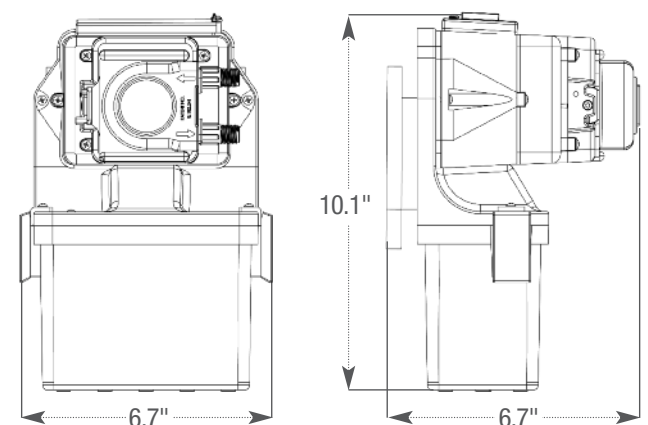**Box Dimensions** 8 x 8 x 10 in. (21 x 21 x 25 cm)
Product Dimensions

ECON TD Battery-Powered

Shipping Weight 5 lbs (2.1 kg)
Box Dimensions 14 x 9 x 10 in. (36 x 23 x 24 cm)
Product Dimensions

	ECON T	ECON TD Electric	ECON TD Battery
Specifications			
Flow Rate Output Control	Programmable 24 hr clock, 7 day, 24 event timer	Programmable 24 hr clock, 7 day, 24 event timer	Programmable 24 hr clock, 7 day, 24 event timer
Reproducibility	±5%	±15%	Varies depending on battery quality and strength
Max. Working Pressure	25 psi (1.7 bar), 80 psi (5.5 bar)	5 psi (0.34 bar)	5 psi (0.34 bar)
Max. Operating Temperature	104°F (40°C)	104°F (40°C)	104°F (40°C)
Max. Suction Lift	25 ft (7.6 m) vertical lift, based on water	5 ft (1.5 m) vertical lift, based on water	5 ft (1.5 m) vertical lift, based on water
Duty Cycle	Continuous	Continuous	Intermittent
External Power Supply	100-120VAC, 60Hz or 220-240VAC, 50Hz	100-120VAC, 60Hz or 220-240VAC, 50Hz	8 D cell (1.2V-1.5V) or 2 6V lantern (not included)
Power Cord Plug End	Wall adapter, Class II power supply: 100-120V 60Hz: 1.0A maximum input, two prong, polarized 24VDC, 1.25A output or 220-240V 50Hz: 1.0A maximum input, two prong, CEE7 style plug 24VDC 1.87A output	Wall adapter, Class II power supply: 100-120V 60Hz: 1.0A maximum input, two prong, polarized 24VDC, 1.25A output or 220-240V 50Hz: 1.0A maximum input, two prong, CEE7 style plug 24VDC 1.87A output	———
Power Cord Type	120V 60Hz, 240V 50Hz: STP-2W	120V 60Hz, 240V 50Hz: STP-2W	———
Motor Type	24VDC, brushed	24VDC, brushed	Proprietary
Motor Voltage (Amp Draw)	120V 60Hz (0.17), 240V 50Hz (0.17)	120V 60Hz (0.17), 240V 50Hz (0.17)	———
Shaft rpm (average maximum)	9, 18 or 40	8, 18, 25 or 40	Varies depending on battery quality and strength
Classification	Indoor/outdoor	Indoor only	Indoor only
Materials of Construction			
Pump Tube	Santoprene®	FKM	FKM or Silicone
Check Valve Duckbill	Santoprene®, FDA approved	———	———
Suction Line Weight	**Strainer & Cap** PVC or Polypropylene, NSF listed, with Ceramic Weight	**Ceramic Weight with 1/4" Clip** PVC, NSF listed	**Ceramic Weight with 1/4" Clip** PVC, NSF listed
Housings	Polycarbonate	Polycarbonate	Polycarbonate
Pump Head Rollers	Polyethylene	Polyethylene	Polyethylene
Suction/Discharge Tubing and Ferrules	Polyethylene, FDA approved	Polyethylene, FDA approved	Polyethylene, FDA approved
Tube and Injection Fittings	PVC or Polypropylene, NSF listed	PVC or Polypropylene, NSF listed	PVC or Polypropylene, NSF listed
Connecting Nuts	PVC, NSF listed	PVC, NSF listed	PVC, NSF listed
All Fasteners	Stainless steel	Stainless steel	Stainless steel
Agency Listings			
	Listings vary by model 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.		———

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	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E10T1A	A	White	2.5	0.10	13.2	0.22	9.5	0.39	396.0	6.60
E10T2A	A	White	5.0	0.21	26.4	0.44	18.9	0.79	786.0	13.10
E10T2B	B	White	8.5	0.35	45.6	0.76	32.2	1.34	1338.0	22.30
E10T2C	C	White	15.0	0.63	79.8	1.33	56.8	2.37	2364.0	39.40
			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	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E10T1F	F	White	0.6	0.02	3.0	0.05	2.2	0.09	90.0	1.50
E10T2F	F	White	1.3	0.05	6.6	0.11	4.8	0.20	198.0	3.30
E20T4F	F	White	3.4	0.14	18.0	0.30	13.1	0.54	544.8	9.08
E20T4G	G	Black	12.3	0.51	65.4	1.09	46.5	1.94	1937.4	32.29
E20T4H	H	Black	21.7	0.90	115.2	1.92	82.0	3.41	3416.4	56.94
			Approximate Maximum Output @ 50/60Hz							

NOTE: Injection check valve included with pumps rated 80 psi (5.5 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					**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 45.

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

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.

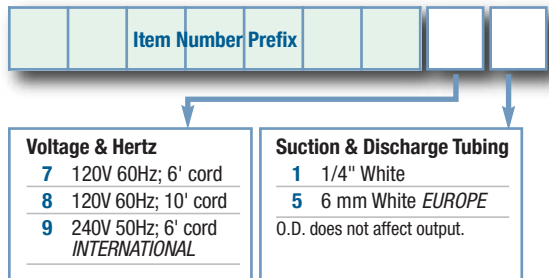## ECON TD - Flow Rate Output Chart 5 psi (0.34 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E20T1C3	C3	Black	9.10	0.38	48.7	0.81	34.6	1.44	1440.0	24.0
E20T2C3	C3	Black	17.10	0.71	91.2	1.52	64.7	2.70	2687.6	44.8
E20T3C3	C3	Black	23.20	0.97	123.7	2.06	87.8	3.66	3659.2	61.0
E20T4C3	C3	Black	35.76	1.49	190.7	3.18	135.4	5.64	5640.3	94.0
			Approximate Maximum Output @ 50/60Hz							

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					

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

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

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.
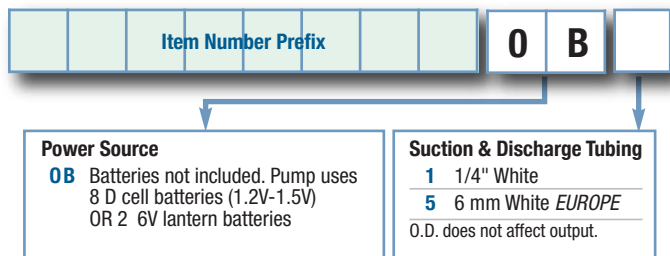3. Select the remaining options to complete the item number.

ECON TD Battery-Powered - Flow Rate Output Chart 5 psi (0.34 bar) maximum

Item Number Prefix	Pump Tube	Roller Assembly	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E10T01C3	C3	Blue	24.7	1.00	132.0	2.2	94.0	3.9	3904.0	65.0
E20T01C3	C3	Blue	41.7	1.74	222.0	3.7	158.0	6.6	6577.0	110.0
E10T01C4	C4	Blue	27.0	1.10	144.0	2.4	2.4	102.0	4.2	4259.0
E20T01C4	C4	Blue	45.0	1.88	240.0	4.0	4.0	170.0	7.1	7098.0
			Approximate output with fully charged batteries, new tube and zero foot suction lift.							

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				0	B	

Power Source
0B   Batteries not included. Pump uses 8 D cell batteries (1.2V-1.5V) OR 2 6V lantern batteries

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

ECON OEM PUMPS

Stock or Custom

OEM

On/Off Switch

OEM BATCH

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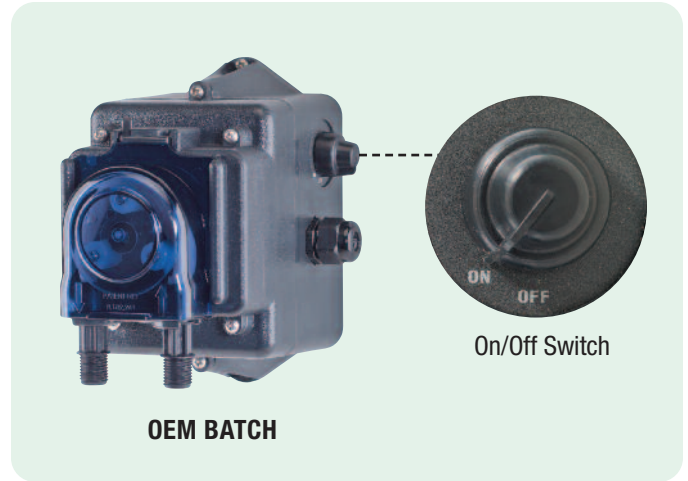
The custom OEM batch pump is factory programmed to run a specific length of time when manually activated by an integral switch or can be designed to activate with an input signal. The customer selects the pump run time from 0.1 seconds to 24 hours per activations.

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 (1.5 kg)
Box Dimensions 8 x 8 x 10 in. (21 x 21 x 25 cm)
Product Dimensions

3.7"
4.4"
5.9"
5.2"
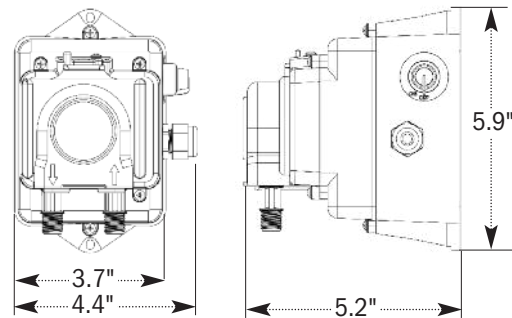
Quick Facts

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

Variable Speed | Low Volume

ECON LD

Potentiometer

ECON Tank System

Quick Facts

- 0.04-50.7 oz/hr, pressures to 80 psi maximum
- Adjustable potentiometer
- 50:1 turndown

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
- NSF 61 & 372

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 counterclockwise turns the pump off.

## 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" or 6 mm *EUROPE*

1 20' Roll suction/discharge tubing 1/4" white OR 6 mm white *EUROPE*

1 Additional pump tube

1 Manual

Weights and Dimensions

Shipping Weight 4 lbs (1.6 kg)
Box Dimensions 8 x 8 x 10 in. (21 x 21 x 25 cm)
Product Dimensions

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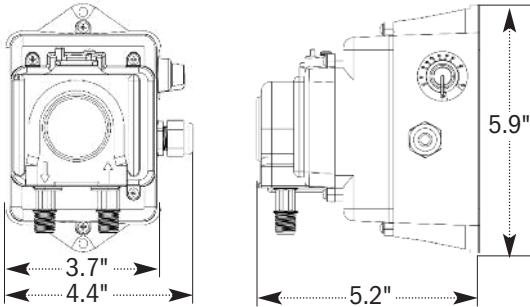
ECON LD - Flow Rate Output Chart 80 psi (5.5 bar) maximum

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
E10LHG	G	Black	50:1	0.50 to 25.1	14.8 to 742.3
E10LHH	H	Black	50:1	1.01 to 50.7	29.7 to 1499.4
				Approximate Maximum Output @ 50/60Hz	

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

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 45.

Voltage & Hertz
A 120V 60Hz
C 230V 50Hz *INTERNATIONAL*
Contact the factory for additional voltage and plug options.

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 (average maximum) 17

Duty Cycle Continuous

Max Viscosity 50 Centipoise

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

Power Cord Type
120V 60Hz: SJTOW, 230V 50Hz: H05RN-F

Power Cord Length 6 ft (1.8 m)

Power Cord Plug End
120V 60Hz NEMA 5-15P, 230V 50Hz CEE7/7

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 and Injection Fittings
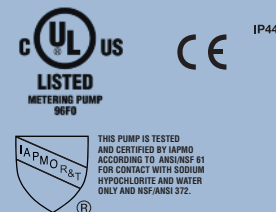PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed, with Ceramic Weight

All Fasteners Stainless steel

Agency Listings

c (UL) US LISTED METERING PUMP 96F0 CE IP44

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.

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

ECON FX and VX SERIES

Variable Speed | Multiple Applications

ECON FX

ECON Tank System

ECON VX

Potentiometer

Quick Facts

ECON FX – Fixed Speed

- No adjustment
- 7.4, 14.0, 24.8, or 38.8 gpd, pressures to 25 psi maximum
- 14.0 or 23.5 gpd, pressures to 80 psi maximum

ECON VX – Variable Speed

- Adjustable potentiometer
- 0.8 to 38.8 gpd, pressures to 25 psi maximum
- 1.7 to 23.5 gpd, pressures to 80 psi maximum

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 page 60

Reliable Accurate Metering

Both the Econ VX and FX offer a totally enclosed design with a brushed motor for light duty or general intermittent applications. The pumps work well for fluid transfer, sampling or injecting a variety of solutions for swimming pools, food & beverage, metal finishing, irrigation and horticulture and more.

The pumps are wall mountable or select one of the optional mounting accessories. The Econ VX or FX is offered as a Tank System; the pump is shipped pre-mounted to a 7.5, 15 or 30 gallon solution tank. The pumps are cULus for indoor and outdoor use; CE IP44 is also available.
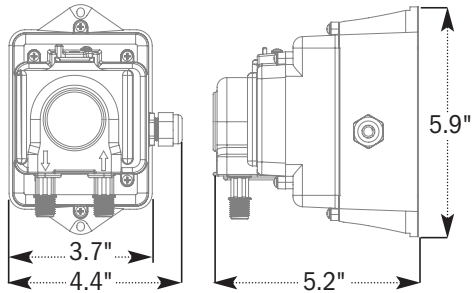
Weights and Dimensions

ECON FX

Shipping Weight 3 lbs (1.4 kg)

Box Dimensions 8 x 8 x 10 in. (21 x 21 x 25 cm)

Product Dimensions
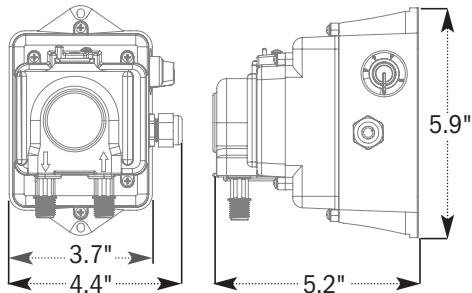

ECON VX

Shipping Weight 4 lbs (1.5 kg)

Box Dimensions 8 x 8 x 10 in. (21 x 21 x 25 cm)

Product Dimensions

Accessory Kit Shipped with Each Pump

3 Connecting nuts 1/4"

3 Ferrules 1/4" or 6 mm *EUROPE*

1 Injection check valve 80 psi (5.5 bar) maximum
   OR 1 injection fitting 25 psi (1.7 bar) maximum

1 Weighted suction line strainer 1/4" or 6 mm *EUROPE*

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
  ECON FX Fixed speed, no adjustment
  ECON VX Adjustable potentiometer

Reproducibility ±5%

Maximum Working Pressure
80 psi (5.5 bar), 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 (average maximum) E10: 26, E20: 44

Duty Cycle Continuous

Motor Voltage (Amp Draw)
120V 60Hz (0.25), 230V 50Hz (0.17)

Power Cord Type
120V 60Hz: SJTOW, 230V 50Hz: H05RN-F

Power Cord Plug End
120V 60Hz NEMA 5-15P, 230V 50Hz CEE7/7

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 and Injection Fittings
PVC or Polypropylene, NSF listed

Connecting Nuts PVC, NSF listed

Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed, with Ceramic Weight

All Fasteners Stainless steel

Agency Listings

ECON FX and VX SERIES

ECON FX - Flow Rate Output Chart

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
E10FXA	A	White	7.4	0.31	39.5	0.66	25	28.0	1.17	1166.7	19.44	1.7
E10FXB	B	White	14.0	0.58	74.7	1.24	25	52.9	2.20	2204.2	36.74	1.7
E20FXB	B	White	24.8	1.03	132.3	2.20	25	93.7	3.90	3904.2	65.07	1.7
E20FXC	C	White	38.8	1.62	206.9	3.45	25	146.7	6.11	6112.5	101.88	1.7
E10FXH	H	Black	14.0	0.58	74.7	1.24	80	52.9	2.20	2204.2	36.74	5.5
E20FXH	H	Black	23.5	0.98	125.3	2.09	80	88.8	3.70	3700.0	61.67	5.5
							Approximate Output @ 50/60Hz					

ECON VX - Flow Rate Output Chart

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
E10VXA	A	White	0.8 to 7.4	0.003 to 0.310	0.4 to 39.5	0.01 to 0.66	25	3.0 to 28.0	0.13 to 1.17	125.0 to 1166.7	2.08 to 19.44	1.7
E10VXB	B	White	1.2 to 14.0	0.05 to 0.58	6.4 to 74.7	0.11 to 1.24	25	4.5 to 52.9	0.19 to 2.20	188.0 to 2204.2	3.13 to 36.74	1.7
E20VXB	B	White	1.6 to 24.8	0.07 to 1.03	8.6 to 132.3	0.39 to 2.20	25	6.0 to 93.7	0.25 to 3.90	250.0 to 3904.2	4.17 to 65.07	1.7
E20VXC	C	White	4.4 to 38.8	0.18 to 1.62	23.4 to 206.9	0.39 to 3.45	25	16.6 to 146.7	0.69 to 6.11	692.0 to 6112.5	11.53 to 101.88	1.7
E10VXH	H	Black	1.7 to 14.0	0.07 to 0.58	9.1 to 74.7	0.15 to 1.24	80	6.4 to 52.9	0.27 to 2.20	267.0 to 2204.2	4.45 to 36.74	5.5
E20VXH	H	Black	2.7 to 23.5	0.11 to 0.98	14.5 to 125.3	0.24 to 2.09	80	10.2 to 88.8	0.43 to 3.70	425.0 to 3700.0	7.08 to 61.67	5.5
							Approximate Output @ 50/60Hz					

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

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 45.

Voltage & Hertz
A	120V 60Hz
B	220V 60Hz
C	240V 50Hz INTERNATIONAL

Contact the factory for additional voltage and plug options.

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.

TANK SYSTEM

Pump and Tank Pre-packaged System

7.5-Gallon (28.4 Liters)

15-Gallon (56.8 Liters)

30-Gallon (113.6 Liters)

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
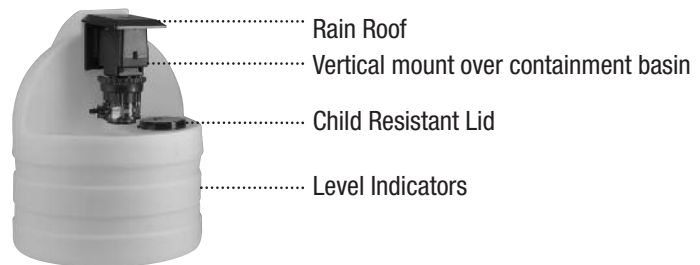
Rain Roof
Vertical mount over containment basin
Child Resistant Lid
Level Indicators

Weights 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 21 in. (58 x 58 x 54 cm)
15-Gallon	27 lbs (12.2 kg)	26 lbs (11.8 kg)	22 lbs (10.0 kg)	23 x 23 x 27 in. (58 x 58 x 66 cm)
30-Gallon	34 lbs. (15.4 kg)	32 lbs (14.5 kg)	27 lbs (12.2 kg)	23 x 23 x 39 in. (58 x 58 x 97 cm)

NOTE: Build a Tank System item number on pages 4, 5, 16, 19, 22, 25, 29, 33, 36.

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)

Materials of Construction

Tank Polyethylene
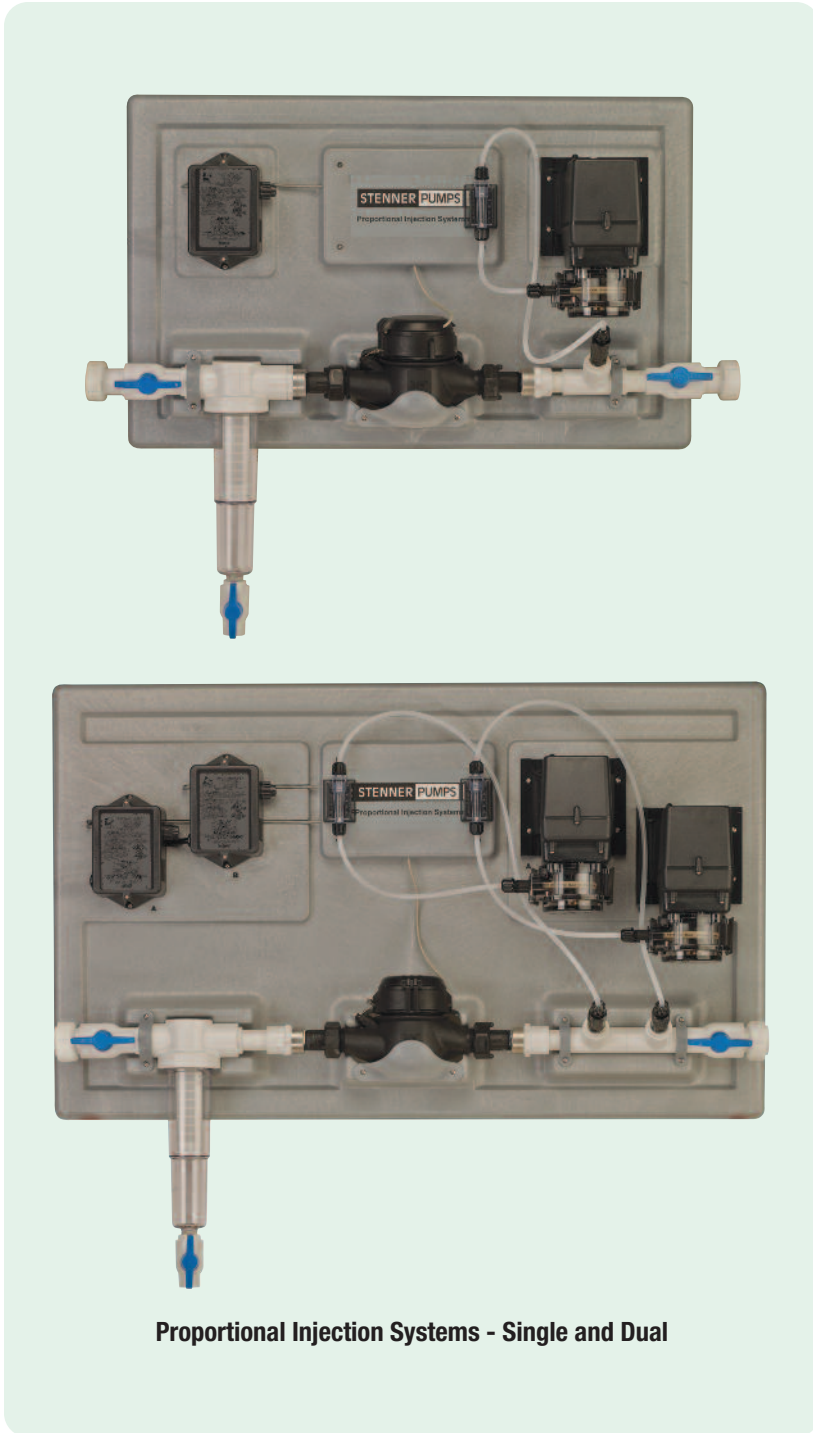**Lid with child resistant lock** Polypropylene
Grommets Viton
Screws Stainless steel

Agency Listings

C USA
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.

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.
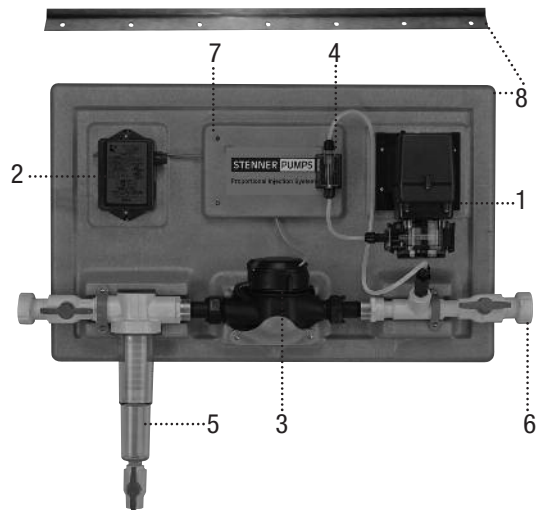
Components

1   Classic single head fixed output pump

2   PCM

3   Plastic 3/4" dry contact water meter, certified by the Water Quality Association 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

Proportional Injection Systems - Single
Shipping Weight 29 lbs (13.2 kg)
Box Dimensions 36 x 23 x 12 in. (91 x 59 x 29 cm)

Proportional Injection Systems - Dual
Shipping Weight 42 lbs (19.0 kg)
Box Dimensions 47 x 27 x 12 in. (110 x 69 x 28 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.

PCM
Time Adjustable Controller

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

c (UL) us
LISTED
34GZ

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.
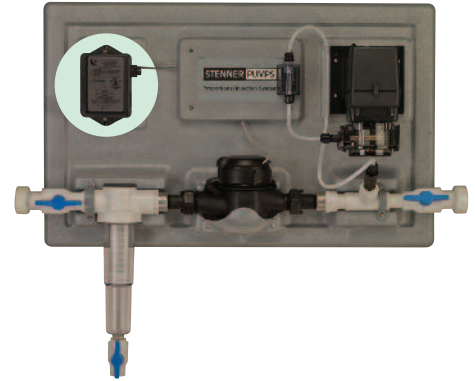
Customize Your Own Proportional Feed Installation

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
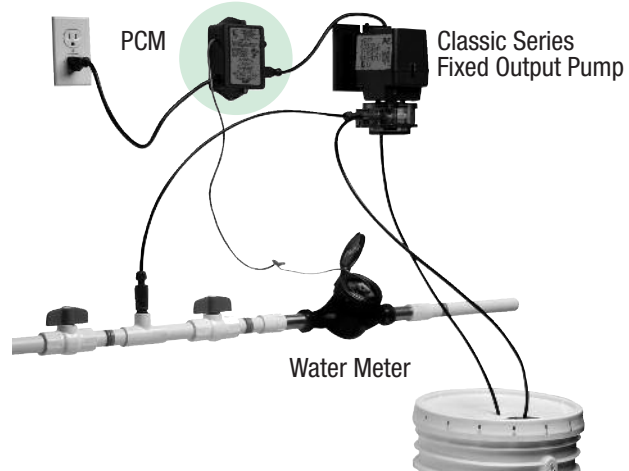
Features

• Chemical resistant ABS plastic housing

• On-time duration set with knob adjustment with locking feature

• 10' power cord and jacketed signal input cable

Interchangeable Operating Range Settings

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.

Pin

Jumper

0.1-1 second

0.5-5 seconds

1-10 seconds
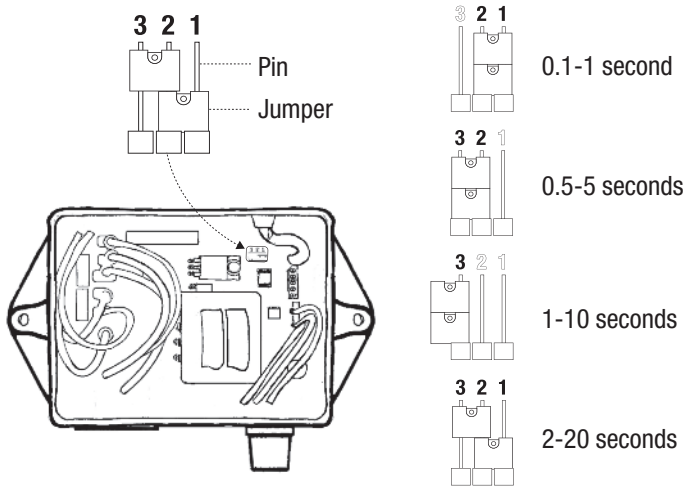
2-20 seconds

Weights and Dimensions

Shipping Weight 2.1 lbs (1 kg)
Box Dimensions 9 x 9 x 7 in. (23 x 23 x 18 cm)
Product Dimensions

5.4"

3.6"

2.2"

3.6"

2.2"

5.9"
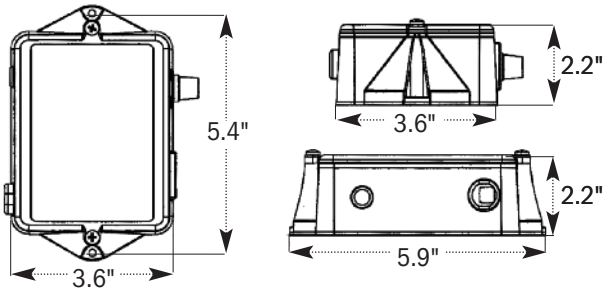
PCM MODELS	
Description	EA
0.1 to 1.0 Second	PCM1
0.5 to 5.0 Seconds	PCM5
1.0 to 10.0 Seconds	PCM10
2.0 to 20.0 Seconds	PCM20

Plastic Water Meter

Flow Rates*

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

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

Specifications

Accuracy ±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 stainless steel couplings.

How It Works

The plastic water meter doesn't require power and utilizes a reed switch to provide a pulsing dry contact signal. The meter is certified by IAPMO 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"	2.2 lbs (0.9 kg)	7.5" (19.1 cm)	11.5" (29.2 cm)	1"	0.75"
1"	2.8 lbs (1.4 kg)	10.25" (26.0 cm)	15.25" (38.7 cm)	1.25"	1"
1 1/2"	5.7 lbs (2.7 kg)	9.63" (24.4 cm)	14.75" (37.5 cm)	2"	1.5"
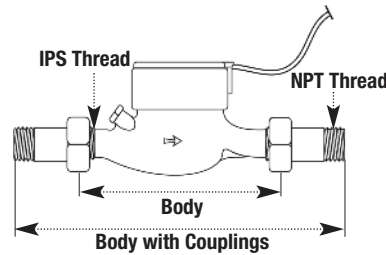
PLASTIC METERS		
Size	**PPG**	**EA**
3/4"	1 pulse/gallon	JLP0750-1PPG
3/4"	2 pulses/gallon	JLP0750-2PPG
3/4"	4 pulses/gallon	JLP0750-4PPG
3/4"	10 pulses/gallon	JLP0750-10PPG
1"	1 pulse/gallon	JLP1000-1PPG
1"	2 pulses/gallon	JLP1000-2PPG
1"	4 pulses/gallon	JLP1000-4PPG
1 1/2"	1 pulse/gallon	JLP1500-1PPG
1 1/2"	2 pulses/gallon	JLP1500-2PPG
1 1/2"	4 pulses/gallon	JLP1500-4PPG

WATER METER

Stainless Steel | Dry Contact

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 IAPMO 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)

Box Dimensions 13 x 10 x 9 in. (33 x 25 x 23 cm)

Product Dimensions
Body: 11.9 in. (30.1 cm)
Body with Couplings: 17.5 in. (44.5 cm)
IPS Thread: 2.5 in. (6.4 cm)
NPT Thread: 2.0 in. (5.1 cm)
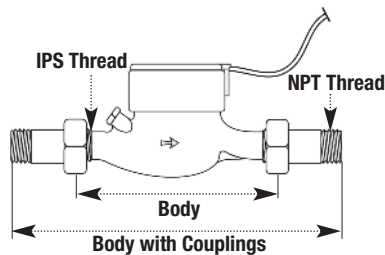
STAINLESS STEEL METERS		
Size	PPG	EA
2"	1 pulse/gallon	SSMRS20-1PPG
2"	2 pulses/gallon	SSMRS20-2PPG
2"	4 pulses/gallon	SSMRS20-4PPG

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

WATER METER
Vertical Positive Displacement

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 (0.8 kg)

Box Dimensions 13 x 10 x 9 in. (33 x 25 x 23 cm)
Product 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		
Size	PPG	EA
3/4"	1 pulse/gallon	VPD0750-1PPG
3/4"	1 pulse/liter	VPD0750-1PPL

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

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 Dimensions
7.5-Gallon	15 lbs (6.8 kg)	23 x 23 x 21 in. (58 x 58 x 54 cm)
15-Gallon	18 lbs (8.2 kg)	23 x 23 x 27 in. (58 x 58 x 66 cm)
30-Gallon	24 lbs (10.8 kg)	23 x 23 x 39 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		
Description	**WORKS WITH**	**EA**
7.5-Gallon Gray	Classic 45 & 85 M128 / All Econ Pumps*	STS7GC
7.5-Gallon White	Classic 45 & 85 M128 / All Econ Pumps*	STS7NC
15-Gallon Gray	Classic 45 & 85 M128 / All Econ Pumps*	STS15GC
15-Gallon White	Classic 45 & 85 M128 / All Econ Pumps*	STS15NC
30-Gallon Gray	Classic 45 & 85 M128 / All Econ Pumps*	STS30GC
30-Gallon White	Classic 45 & 85 M128 / All Econ Pumps*	STS30NC

TANKS		
Description	**WORKS WITH**	**EA**
7.5-Gallon Gray	SVP Series	STS7G-02
7.5-Gallon White	SVP Series	STS7N-02
15-Gallon Gray	SVP Series	STS15G-02
15-Gallon White	SVP Series	SSTS15N-02
30-Gallon Gray	SVP Series	STS30G-02
30-Gallon White	SVP Series	STS30N-02

MIXER
Designed for Stenner Tanks

7.5-Gallon

15-Gallon

30-Gallon
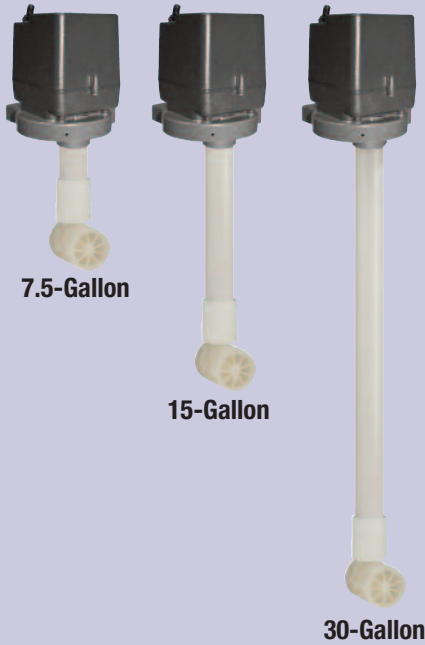
Specifications

Maximum Operating Temperature
125°F (52°C)

Motor Type 1/30 HP, shaded pole, class B

Motor rpm Approximately 3600

Duty Cycle Intermittent

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

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 11 x 11 in. (40 x 27 x 27 cm)
- 15-Gallon: 22 x 11 x 11 in. (55 x 27 x 27 cm)
- 30-Gallon: 33 x 11 x 11 in. (84 x 27 x 27 cm)

MIXER MODELS

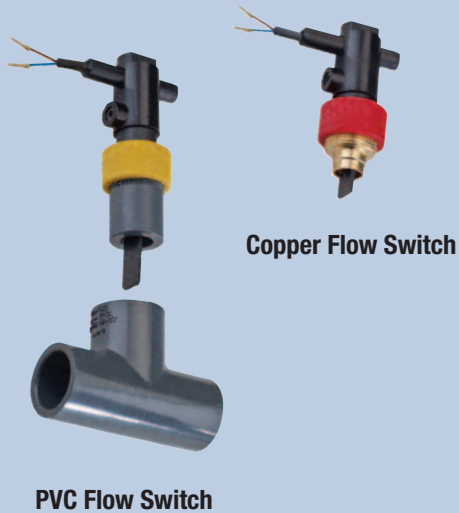| Description	EA
7.5-Gallon, 120V 60Hz	SMS75A
7.5-Gallon, 220V 60Hz	SMS75B
15-Gallon, 120V 60Hz	SMS15A
15-Gallon, 220V 60Hz	SMS15B
30-Gallon, 120V 60Hz	SMS30A
30-Gallon, 220V 60Hz	SMS30B

FLOW SWITCH

Two Wire | Dry Contact

Copper Flow Switch

PVC Flow Switch

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.

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.

FLOW SWITCH	
Description	EA
3/4" for PVC pipe	EC500
1" for PVC pipe	EC501
3/4" for copper pipe	EC50C
1" for copper pipe	EC51C

PUMP TUBES

QuickPro® Pump Line

> Refer to the **FLOW RATE OUTPUT CHART** to match the pump model with the correct tube

PUMP TUBE Includes ferrules 1/4"

DESCRIPTION	WORKS WITH	2-PK	5-PK
#1 Santoprene® Tube	Classic / SVP / S Series	UCCP201	MCCP201
#2 Santoprene® Tube	Classic / SVP / S Series	UCCP202	MCCP202
#3 Santoprene® Tube	Classic / SVP / S Series	UCCP203	MCCP203
#4 Santoprene® Tube	Classic / SVP / S Series	UCCP204	MCCP204
#5 Santoprene® Tube	Classic / SVP / S Series / M128-M05	UCCP205	MCCP205
#7 Santoprene® Tube	Classic-45, 85 / SVP / S Series / M128-M07	UCCP207	MCCP207
#1 Versilon® Tube	Classic / SVP / S Series	UCTYG01	MCTYG01
#2 Versilon® Tube	Classic / SVP / S Series	UCTYG02	MCTYG02
#3 Versilon® Tube	Classic / SVP / S Series	UCTYG03	MCTYG03
#4 Versilon® Tube	Classic / SVP / S Series	UCTYG04	MCTYG04
#5 Versilon® Tube	Classic / SVP / S Series	UCTYG05	MCTYG05

PUMP TUBE *EUROPE* Includes ferrules 6 mm

DESCRIPTION	WORKS WITH	2-PK	5-PK
#1 Santoprene® Tube	Classic / SVP / S Series	UCCP21CE	MCCP21CE
#2 Santoprene® Tube	Classic / SVP / S Series	UCCP22CE	MCCP22CE
#3 Santoprene® Tube	Classic / SVP / S Series	UCCP23CE	MCCP23CE
#4 Santoprene® Tube	Classic / SVP / S Series	UCCP24CE	MCCP24CE
#5 Santoprene® Tube	Classic / SVP / S Series	UCCP25CE	MCCP25CE
#7 Santoprene® Tube	Classic-45, 85 / SVP / S Series	UCCP27CE	MCCP27CE
#1 Versilon® Tube	Classic / SVP / S Series	UCTY1CE	MCTY1CE
#2 Versilon® Tube	Classic / SVP / S Series	UCTY2CE	MCTY2CE
#3 Versilon® Tube	Classic / SVP / S Series	UCTY3CE	MCTY3CE
#4 Versilon® Tube	Classic / SVP / S Series	UCTY4CE	MCTY4CE
#5 Versilon® Tube	Classic / SVP / S Series	UCTY5CE	MCTY5CE

PUMP TUBE & DUCKBILL Includes ferrules 1/4"

DESCRIPTION	WORKS WITH	2-PK
#1 Santoprene® Tube & Duckbill	Classic / SVP / S Series	UCCP1FD
#2 Santoprene® Tube & Duckbill	Classic / SVP / S Series	UCCP2FD
#7 Santoprene® Tube & Duckbill	Classic-45, 85 / SVP / S Series / M128-M07	UCCP7FD
#1 Versilon® Tube & Pellethane® Duckbill	Classic / SVP / S Series	UCTY1FD
#2 Versilon® Tube & Pellethane® Duckbill	Classic / SVP / S Series	UCTY2FD

PUMP TUBE & DUCKBILL *EUROPE* Includes ferrules 6 mm

DESCRIPTION	WORKS WITH	2-PK
#1 Santoprene® Tube & Duckbill	Classic / SVP / S Series	UC1FDCE
#2 Santoprene® Tube & Duckbill	Classic / SVP / S Series	UC2FDCE
#7 Santoprene® Tube & Duckbill	Classic-45, 85 / SVP / S Series	UC7FDCE
#1 Versilon® Tube & Pellethane® Duckbill	Classic / SVP / S Series	UCTY1DCE
#2 Versilon® Tube & Pellethane® Duckbill	Classic / SVP / S Series	UCTY2DCE

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

PUMP TUBES
Econ Pump Line

Refer to the **FLOW RATE OUTPUT CHART** to match the pump model with the correct tube

PUMP TUBE Includes ferrules 1/4"

DESCRIPTION	WORKS WITH Pump & Roller Assembly Color	2-PK	5-PK
A Santoprene® Tube	Econ T / FX / VX & White	EC30A-2	EC30A-5
B Santoprene® Tube	Econ T / FX / VX & White	EC30B-2	EC30B-5
C Santoprene® Tube	Econ T / FX / VX & White	EC30C-2	EC30C-5
C3 FKM Tube	Econ TD Electric & Black / Econ TD Battery & Blue	EC3C3-2	EC3C3-5
C4 Silicone Tube	Econ TD Battery & Blue	EC3C4-2	EC3C4-5
F Santoprene® Tube	Econ FP / Integrator™ / LD / T & White	EC30F-2	EC30F-5
G Santoprene® Tube	Econ FP / Integrator™ / LD / T & Black	EC30G-2	EC30G-5
H Santoprene® Tube	Econ FP / Integrator™ / Stennicator / LD / T / FX / VX & Black	EC30H-2	EC30H-5
M Santoprene® Tube	Econ LD & White	EC30M-2	EC30M-5

PUMP TUBE *EUROPE* Includes ferrules 6 mm

DESCRIPTION	WORKS WITH Pump & Roller Assembly Color	2-PK	5-PK
A Santoprene® Tube	Econ T / FX / VX & White	EC30ACE-2	EC30ACE-5
B Santoprene® Tube	Econ T / FX / VX & White	EC30BCE-2	EC30BCE-5
C Santoprene® Tube	Econ T / FX / VX & White	EC30CCE-2	EC30CCE-5
C3 FKM Tube	Econ TD Electric & Black / Econ TD Battery & Blue	EC3C3CE-2	EC3C3CE-5
C4 Silicone Tube	Econ TD Battery & Blue	EC3C4CE-2	EC3C4CE-5
F Santoprene® Tube	Econ FP / Integrator™ / LD / T & White	EC30FCE-2	EC30FCE-5
G Santoprene® Tube	Econ FP / Integrator™ / LD / T & Black	EC30GCE-2	EC30GCE-5
H Santoprene® Tube	Econ FP / Integrator™ / Stennicator / LD / T / FX / VX & Black	EC30HCE-2	EC30HCE-5
M Santoprene® Tube	Econ LD & White	EC30MCE-2	EC30MCE-5

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

PUMP HEADS

QuickPro® Pump Line 25 psi max.

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.

PUMP HEAD 25 psi maximum Includes tube, ferrules 1/4"

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Pump Head	Classic / SVP	QP251-1	QP251-2
#2 Santoprene® Pump Head	Classic / SVP	QP252-1	QP252-2
#3 Santoprene® Pump Head	Classic / SVP	QP253-1	QP253-2
#3 Santoprene® Pump Head with Spline ★	S Series	S3103-1	S3103-2
#4 Santoprene® Pump Head	Classic / SVP	QP254-1	QP254-2
#4 Santoprene® Pump Head with Spline ★	S Series	S3104-1	S3104-2
#5 Santoprene® Pump Head	Classic / SVP / M128-M05	QP255-1	QP255-2
#5 Santoprene® Pump Head with Spline ★	S Series	S3105-1	S3105-2
#1 Versilon® Pump Head	Classic / SVP	QP25T1-1	——
#2 Versilon® Pump Head	Classic / SVP	QP25T2-1	——
#3 Versilon® Pump Head	Classic / SVP	QP25T3-1	——
#3 Versilon® Pump Head with Spline ★	S Series	S3203-1	——
#4 Versilon® Pump Head	Classic / SVP	QP25T4-1	——
#4 Versilon® Pump Head with Spline ★	S Series	S3204-1	——
#5 Versilon® Pump Head	Classic / SVP	QP25T5-1	——
#5 Versilon® Pump Head with Spline ★	S Series	S3205-1	——

★ Includes leak detect, S Series only

PUMP HEAD 1.7 bar maximum *EUROPE* Includes tube, ferrules 6 mm

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Pump Head	Classic / SVP	QP171-1	QP171-2
#2 Santoprene® Pump Head	Classic / SVP	QP172-1	QP172-2
#3 Santoprene® Pump Head	Classic / SVP	QP173-1	QP173-2
#3 Santoprene® Pump Head with Spline ★	S Series	S3153-1	S3153-2
#4 Santoprene® Pump Head	Classic / SVP	QP174-1	QP174-2
#4 Santoprene® Pump Head with Spline ★	S Series	S3154-1	S3154-2
#5 Santoprene® Pump Head	Classic / SVP	QP175-1	QP175-2
#5 Santoprene® Pump Head with Spline ★	S Series	S3155-1	S3155-2
#1 Versilon® Pump Head	Classic / SVP	QP17T1-1	——
#2 Versilon® Pump Head	Classic / SVP	QP17T2-1	——
#3 Versilon® Pump Head	Classic / SVP	QP17T3-1	——
#3 Versilon® Pump Head with Spline ★	S Series	S3253-1	——
#4 Versilon® Pump Head	Classic / SVP	QP17T4-1	——
#4 Versilon® Pump Head with Spline ★	S Series	S3254-1	——
#5 Versilon® Pump Head	Classic / SVP	QP17T5-1	——
#5 Versilon® Pump Head with Spline ★	S Series	S3255-1	——

★ Includes leak detect, S Series only

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

PUMP HEADS

QuickPro® Pump Line 100 psi max.

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.

PUMP HEAD 100 psi maximum   Includes tube, duckbill, ferrules 1/4"

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Pump Head	Classic / SVP	QP101-1	——
#1 Santoprene® Pump Head with Spline ★	S Series	S3101-1	S3101-2
#2 Santoprene® Pump Head	Classic / SVP	QP102-1	——
#2 Santoprene® Pump Head with Spline ★	S Series	S3102-1	S3102-2
#7 Santoprene® Pump Head	Classic-45, 85 / SVP / M128-M07	QP107-1	——
#7 Santoprene® Pump Head with Spline ★	S Series	S3107-1	S3107-2
#1 Versilon® Pump Head	Classic / SVP	QP10T1-1	——
#1 Versilon® Pump Head with Spline ★	S Series	S3201-1	——
#2 Versilon® Pump Head	Classic / SVP	QP10T2-1	——
#2 Versilon® Pump Head with Spline ★	S Series	S3202-1	——

★ Includes leak detect, S Series only

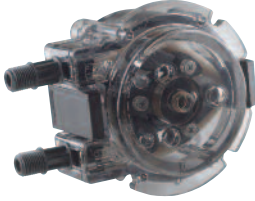## PUMP HEAD 6.9 bar maximum *EUROPE* Includes tube, duckbill, ferrules 6 mm

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Pump Head	Classic / SVP	QP691-1	——
#1 Santoprene® Pump Head with Spline ★	S Series	S3151-1	S3151-2
#2 Santoprene® Pump Head	Classic / SVP	QP692-1	——
#2 Santoprene® Pump Head with Spline ★	S Series	S3152-1	S3152-2
#7 Santoprene® Pump Head	Classic-45, 85 / SVP	QP697-1	——
#7 Santoprene® Pump Head with Spline ★	S Series	S3157-1	S3157-2
#1 Versilon® Pump Head	Classic / SVP	QP69T1-1	——
#1 Versilon® Pump Head with Spline ★	S Series	S3251-1	——
#2 Versilon® Pump Head	Classic / SVP	QP69T2-1	——
#2 Versilon® Pump Head with Spline ★	S Series	S3252-1	——

★ Includes leak detect, S Series only

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

INNERMOST PUMP HEADS

QuickPro® Pump Line Classic Series Double Head
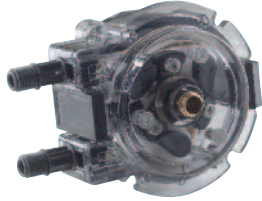
INNERMOST PUMP HEAD 25 psi maximum   Includes tube, ferrules 1/4"

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Innermost Pump Head	Classic-100, 170	QPA251-1	QPA251-2
#2 Santoprene® Innermost Pump Head	Classic-100, 170	QPA252-1	QPA252-2
#3 Santoprene® Innermost Pump Head	Classic-100, 170	QPA253-1	QPA253-2
#4 Santoprene® Innermost Pump Head	Classic-100, 170	QPA254-1	QPA254-2
#5 Santoprene® Innermost Pump Head	Classic-100, 170	QPA255-1	QPA255-2

INNERMOST PUMP HEAD 1.7 bar maximum *EUROPE* Includes tube, ferrules 6 mm

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Innermost Pump Head	Classic-100, 170	QPA171-1	QPA171-2
#2 Santoprene® Innermost Pump Head	Classic-100, 170	QPA172-1	QPA172-2
#3 Santoprene® Innermost Pump Head	Classic-100, 170	QPA173-1	QPA173-2
#4 Santoprene® Innermost Pump Head	Classic-100, 170	QPA174-1	QPA174-2
#5 Santoprene® Innermost Pump Head	Classic-100, 170	QPA175-1	QPA175-2

INNERMOST PUMP HEAD 100 psi maximum   Includes tube, duckbill, ferrules 1/4"

DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Innermost Pump Head	Classic-100, 170	QPA101-1	QPA101-2
#2 Santoprene® Innermost Pump Head	Classic-100, 170	QPA102-1	QPA102-2

INNERMOST PUMP HEAD 6.9 bar maximum *EUROPE* Includes tube, duckbill, ferrules 6 mm

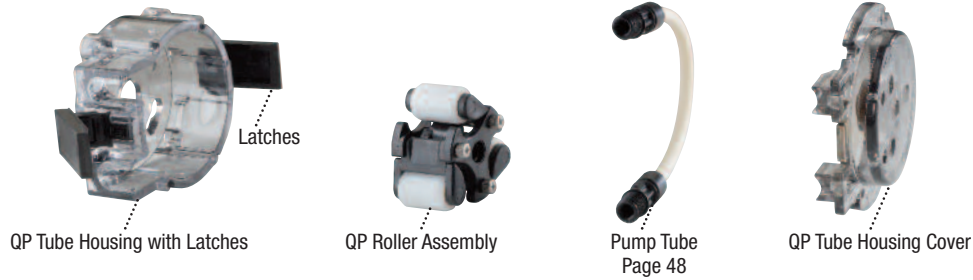| DESCRIPTION	WORKS WITH	EA	2-PK
#1 Santoprene® Innermost Pump Head	Classic-100, 170	QPA691-1	QPA691-2
#2 Santoprene® Innermost Pump Head	Classic-100, 170	QPA692-1	QPA692-2

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

QP Tube Housing with Latches

Latches

QP Roller Assembly

Pump Tube
Page 48

QP Tube Housing Cover

PUMP HEAD PARTS

DESCRIPTION	WORKS WITH	EA	2-PK	4-PK
Tube Housing with Latches	Classic / SVP / M128	QP400-1	QP400-1	——
Tube Housing with Latches ★	S Series	S3400-1	S3400-2	——
Latches	Classic / SVP / S Series / M128	——	QP401-2	——
Roller Assembly	Classic / SVP / M128	QP500-1	——	QP500-4
Roller Assembly with Spline ★	S Series	S3500-1	——	S3500-4
Rollers, Arms, Bushings and Screws	Classic / SVP / S Series / M128	QP501-3	——	——
Tube Housing Cover with Bushing	Classic / SVP / M128	QP100-1	——	QP100-4
Tube Housing Cover with Bushing ★	S Series	S3600-1	——	S3600-4

★ Includes leak detect, S Series only

INNERMOST PUMP HEAD PARTS Classic Series Double Head

DESCRIPTION	WORKS WITH	EA	2-PK
Tube Housing Cover	Classic-100, 170	QP10A-1	QP10A-2
Roller Assembly	Classic-100, 170	QP50A-1	——

Pump Tube
Page 49

White Roller Assembly

Black Roller Assembly

Blue Roller Assembly

Pump Head Cover
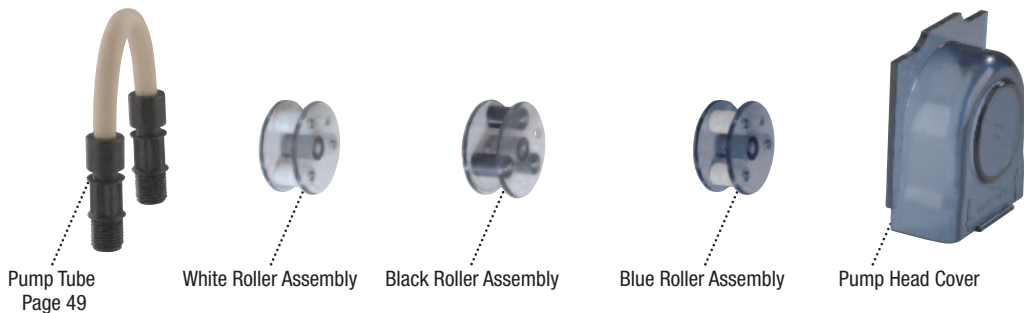
PUMP HEAD PARTS

DESCRIPTION	WORKS WITH Pump & Tube Combination	EA
Roller Assembly, White	Econ FP & F / Econ FX & A, B or C / Econ Integrator™ & F	EC350
	Econ LD & F or M / Econ T & A, B, C or F / Econ VX & A, B or C	
Roller Assembly, Black	Econ FP & G or H / Econ FX & H / Econ Integrator™ & G or H	EC351
	Econ Stennicator & H / Econ T & G or H	
	Econ TD Electric & C3 / Econ VX & H / Econ LD & G or H	
Roller Assembly, Blue	Econ TD Battery & C3 or C4	EC352
Pump Head Cover	All Econ Pumps	EC355

PUMP HEAD SERVICE KITS
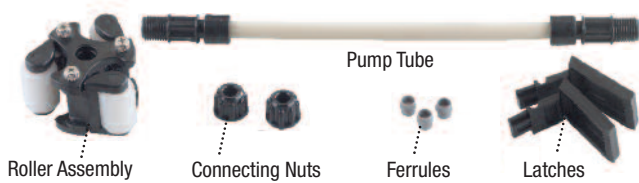
QuickPro® Pump Line **25 psi max.**

Roller Assembly   Connecting Nuts   Pump Tube   Ferrules   Latches

Refer to the **FLOW RATE OUTPUT CHART** to match the pump model with the correct tube

PUMP HEAD SERVICE KIT 25 psi max. Includes roller assembly, tube, nuts, ferrules 1/4", latches

DESCRIPTION	WORKS WITH	KIT
#1 Santoprene® Kit	Classic / SVP	QP251K
#2 Santoprene® Kit	Classic / SVP	QP252K
#3 Santoprene® Kit	Classic / SVP	QP253K
#3 Santoprene® Kit★	S Series	S3103K
#4 Santoprene® Kit	Classic / SVP	QP254K
#4 Santoprene® Kit★	S Series	S3104K
#5 Santoprene® Kit	Classic / SVP/ M128-M05	QP255K
#5 Santoprene® Kit★	S Series	S3105K
#1 Versilon® Kit	Classic / SVP	QP25T1K
#2 Versilon® Kit	Classic / SVP	QP25T2K
#3 Versilon® Kit	Classic / SVP	QP25T3K
#3 Versilon® Kit★	S Series	S3203K
#4 Versilon® Kit	Classic / SVP	QP25T4K
#4 Versilon® Kit★	S Series	S3204K
#5 Versilon® Kit	Classic / SVP	QP25T5K
#5 Versilon® Kit★	S Series	S3205K

★ Roller Assembly with Spline, S Series only

PUMP HEAD SERVICE KIT 1.7 bar max. *EUROPE* Includes roller assembly, tube, nuts, ferrules 6 mm, latches

DESCRIPTION	WORKS WITH	KIT
#1 Santoprene® Kit	Classic / SVP	QP171K
#2 Santoprene® Kit	Classic / SVP	QP172K
#3 Santoprene® Kit	Classic / SVP	QP173K
#3 Santoprene® Kit★	S Series	S3113K
#4 Santoprene® Kit	Classic / SVP	QP174K
#4 Santoprene® Kit★	S Series	S3114K
#5 Santoprene® Kit	Classic / SVP	QP175K
#5 Santoprene® Kit★	S Series	S3115K
#1 Versilon® Kit	Classic / SVP	QP17T1K
#2 Versilon® Kit	Classic / SVP	QP17T2K
#3 Versilon® Kit	Classic / SVP	QP17T3K
#3 Versilon® Kit★	S Series	S3213K
#4 Versilon® Kit	Classic / SVP	QP17T4K
#4 Versilon® Kit★	S Series	S3214K
#5 Versilon® Kit	Classic / SVP	QP17T5K
#5 Versilon® Kit★	S Series	S3215K

★ Roller Assembly with Spline, S Series only

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

PUMP HEAD SERVICE KITS

QuickPro® Pump Line 100 psi max.

Pump Tube

Roller Assembly Connecting Nuts Duckbill Ferrules Latches

Refer to the **FLOW RATE OUTPUT CHART** to match the pump model with the correct tube

PUMP HEAD SERVICE KIT 100 psi max. Includes roller assembly, tube, duckbill, nuts, ferrules 1/4"

DESCRIPTION	WORKS WITH	KIT
#1 Santoprene® Kit	Classic / SVP	QP101K
#1 Santoprene® Kit★	S Series	S3101K
#2 Santoprene® Kit	Classic / SVP	QP102K
#2 Santoprene® Kit★	S Series	S3102K
#7 Santoprene® Kit	Classic-45, 85 / SVP / M128-M07	QP107K
#7 Santoprene® Kit★	S Series	S3107K
#1 Versilon® Kit	Classic / SVP	QP10T1K
#1 Versilon® Kit★	S Series	S3201K
#2 Versilon® Kit	Classic / SVP	QP10T2K
#2 Versilon® Kit★	S Series	S3202K

★ Roller Assembly with Spline, S Series only

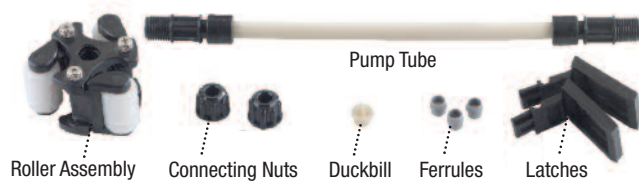## PUMP HEAD SERVICE KIT 6.9 bar max. *EUROPE* Includes roller assembly, tube, duckbill, nuts, ferrules 6 mm, latches

DESCRIPTION	WORKS WITH	KIT
#1 Santoprene® Kit	Classic / SVP	QP691K
#1 Santoprene® Kit★	S Series	S3111K
#2 Santoprene® Kit	Classic / SVP	QP692K
#2 Santoprene® Kit★	S Series	S3112K
#7 Santoprene® Kit	Classic-45, 85 / SVP	QP697K
#7 Santoprene® Kit★	S Series	S3117K
#1 Versilon® Kit	Classic / SVP	QP69T1K
#1 Versilon® Kit★	S Series	S3211K
#2 Versilon® Kit	Classic / SVP	QP69T2K
#2 Versilon® Kit★	S Series	S3212K

★ Roller Assembly with Spline, S Series only

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

CHECK VALVES and INJECTION PARTS

QuickPro® Pump Line | Econ Pump Line

Injection Fitting with Nut & Ferrule 1/4"

INJECTION FITTINGS 25 psi maximum Includes nuts, ferrules 1/4"

DESCRIPTION	WORKS WITH	EA	5-PK
Injection Fitting	All Pumps	UCAK300	MCAK300

INJECTION FITTINGS 1.7 bar maximum *EUROPE* Includes nuts, ferrules 6 mm

DESCRIPTION	WORKS WITH	EA	5-PK
Injection Fitting	All Pumps	UCAK3CE	——

Injection Check Valve 1/4"

Injection Check Valve 3/8"

CHECK VALVES 100 psi maximum Includes duckbill, ferrules

DESCRIPTION	WORKS WITH	EA	5-PK
Includes Santoprene® Duckbill, Ferrule 1/4"	All Pumps	UCDBINJ	MCDBINJ
Includes Pellethane® Duckbill, Ferrule 1/4"	All Pumps	UCTYINJ	MCTYINJ
Includes FKM Duckbill, Ferrule 1/4"	All Pumps	UCKMINJ	MCKMINJ
Includes Santoprene® Duckbill, Ferrule 3/8"	All Pumps	UCINJ38	MCINJ38
Includes Pellethane® Duckbill, Ferrule 3/8"	All Pumps	UCTYIJ38	MCTYIJ38
Includes FKM Duckbill, Ferrule 3/8"	All Pumps	UCKMI38	MCKMI38
Injection Ball Check Valve 1/4"	All Pumps	BCV14TVH	——

CHECK VALVES 6.9 bar maximum *EUROPE* Includes duckbill, ferrules 6 mm

DESCRIPTION	WORKS WITH	EA	5-PK
Includes Santoprene® Duckbill, Ferrule 6 mm	All Pumps	UCINJCE	MCINJCE
Includes Pellethane® Duckbill, Ferrule 6 mm	All Pumps	UCTINJCE	MCTINJCE
Includes FKM Duckbill, Ferrule 6 mm	All Pumps	UCKMJCE	MCKMJCE

Injection Fitting   Santoprene® Duckbill   Santoprene® O-Ring   FKM® Duckbill   FKM® O-Ring   Pellethane® Duckbill

CHECK VALVE PARTS 100 psi maximum

DESCRIPTION	WORKS WITH	EA	2-PK	5-PK
Check Valve Injection Fitting 1/4"	All Pumps	CVIJ1/4	——	——
Check Valve Injection Fitting 3/8"	All Pumps	CVIJ3/8	——	——
Santoprene® Check Valve Duckbill	All Pumps	——	UCCVDB0	MCCVDB0
Santoprene® Check Valve O-Ring	All Pumps	CVIJOR	——	——
Pellethane® Check Valve Duckbill	All Pumps	——	UCTYDB2	MCTYDB5
FKM Check Valve Duckbill & O-Ring	All Pumps	——	UCKMDB0	MCKMDB0
Pellethane® Check Valve O-Ring	All Pumps	TVIJOR	——	——

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.

QuickPro® Pump Line | Econ Pump Line

| Connecting Nut 1/4" | Connecting Nut 3/8" with Adapter | Ferrule 1/4" | Weighted Suction Line Strainer | AquaShield™ | Flow Indicator | Filter Assembly |

MISCELLANEOUS PARTS

DESCRIPTION	WORKS WITH	EA		
Connecting Nut 1/4"	All Pumps	——	UCAK100 **10-PK**	MCAK100 **24-PK**
Connecting Nut 3/8"	All Pumps	MANUT00	——	——
Connecting Nut 3/8" with Adapter	All Pumps	——	UCADPTR **2-PK**	MCADPTR **5-PK**
Ferrule 1/4"	All Pumps	——	UCAK200 **10-PK**	MCAK200 **24-PK**
Weighted Suction Line Strainer 1/4" or 6 mm	All Pumps	ST114	——	——
Weighted Suction Line Strainer 3/8"	All Pumps	ST138	——	——
AquaShield™ 5.5 oz. Tube	All Pumps	MAGRE55	——	——
Flow Indicator 1/4" with Bracket	All Pumps	AK600	——	——
Flow Indicator 3/8" with Bracket	All Pumps	AK700	——	——
Flow Indicator Bracket	Flow Indicator	AK900	——	——
Filter Assembly	Proportional Injection System	P2000	——	——

MISCELLANEOUS PARTS *EUROPE*

DESCRIPTION	WORKS WITH	EA		
Ferrule 6 mm	All Pumps	——	UCAK2CE **10-PK**	MCAK2CE **24-PK**
Weighted Suction Line Strainer 1/4" or 6 mm	All Pumps	ST114	——	——
Flow Indicator 6 mm with Bracket	All Pumps	AK800	——	——

| 3/8" UV Black | 1/4" White |

SUCTION/DISCHARGE TUBING

DESCRIPTION	WORKS WITH	20'	100'	1000'
1/4" Roll UV Black	All Pumps	AK4002B	AK4010B	AK4100B
1/4" Roll White	All Pumps	AK4002W	AK4010W	AK4100W
3/8" Roll UV Black	All Pumps	MALT02B	MALT10B	MALTB10
3/8" Roll White	All Pumps	MALT002	MALT010	MALT100

SUCTION/DISCHARGE TUBING *EUROPE*

DESCRIPTION	WORKS WITH	20'
6 mm White	All Pumps	AK20W6M

MOTORS
QuickPro® Pump Line Classic Series

Pressure Spring
(Adjustable pumps only)

Motor Base
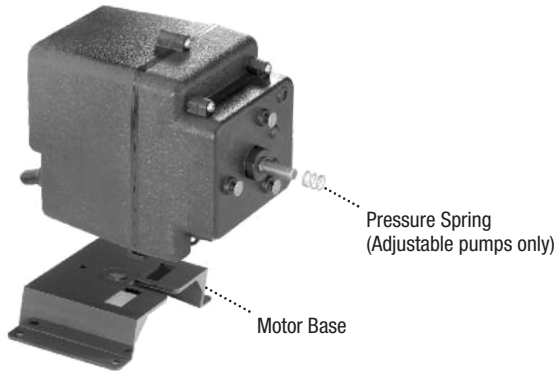
MOTOR 60Hz

DESCRIPTION	WORKS WITH	EA
120V	Classic-Adjustable 45, 100	PM6041D
220V	Classic-Adjustable 45, 100	PM6042D
120V	Classic-Adjustable 85, 170	PM6081D
220V	Classic-Adjustable 85, 170	PM6082D
120V	Classic-Fixed 45	ME6041D
220V	Classic-Fixed 45	ME6042D
120V	Classic-Fixed 85	ME6081D
220V	Classic-Fixed 85	ME6082D
120V	Classic-Fixed 100	DM6041D
220V	Classic-Fixed 100	DM6042D
120V	Classic-Fixed 170	DM6081D
220V	Classic-Fixed 170	DM6082D

MOTOR 50Hz *EUROPE*

DESCRIPTION	WORKS WITH	EA
230V	Classic-Adjustable 45, 100	PM64230
250V	Classic-Adjustable 45, 100	PM6426D
230V	Classic-Adjustable 85, 170	PM68230
250V	Classic-Adjustable 85, 170	PM6826D
230V	Classic-Fixed 45	ME64230
250V	Classic-Fixed 45	ME6426D
230V	Classic-Fixed 85	ME68230
250V	Classic-Fixed 85	ME6826D
230V	Classic-Fixed 100	DM64230
250V	Classic-Fixed 100	DM64250
230V	Classic-Fixed 170	DM68230
250V	Classic-Fixed 170	DM68250

Coil   Wire Nuts

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

AquaShield™

Metal Reduction Gear

Gear Post   Phenolic Gear with Spacer   Cover Screw B   Motor Shaft with Gear
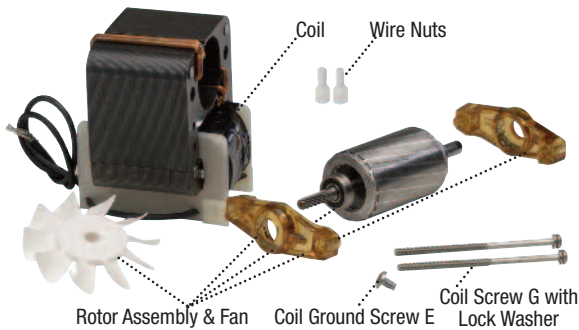
MOTOR SERVICE KITS

DESCRIPTION	WORKS WITH	KIT
120V 60Hz	All Classic Pumps	MSK120
220V 60Hz	All Classic Pumps	MSK220

GEAR CASE SERVICE KITS

WORKS WITH	KIT
Classic-Adjustable 45, 100	GSK45A
Classic-Adjustable 85, 170	GSK85A
Classic-Fixed 45	GSK45F
Classic-Fixed 85	GSK85F

MOTORS

QuickPro® Pump Line **Classic Series**
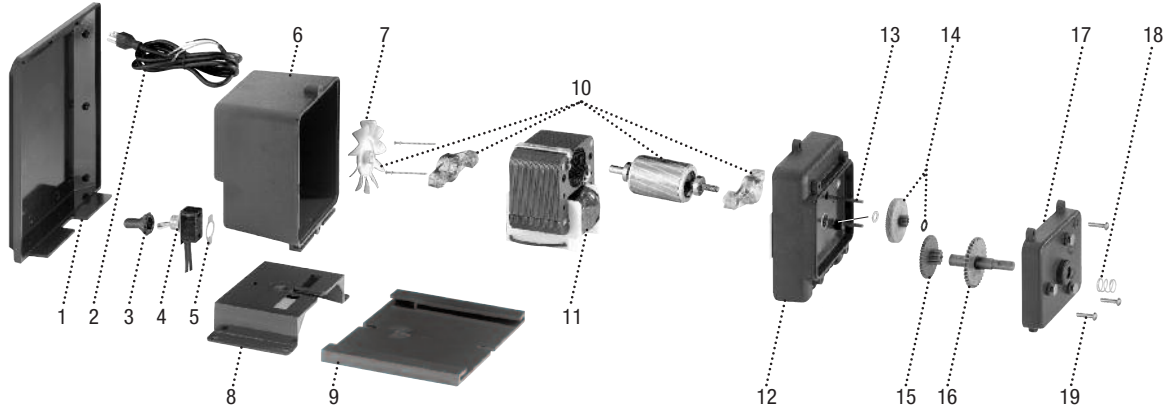
MOTOR PARTS

	DESCRIPTION	WORKS WITH	EA
1	Rain Roof	All Classic Pumps	MP90000
Not shown	Pump Cover	Adjustable 45, 85	MP90001
Not shown	Pump Cover & Rain Roof	All Classic Pumps	MP90002 **KIT**
2	Power Cord 120V	All Classic Pumps	MP6B010
	Power Cord 220V	All Classic Pumps	MP6B020
3	Switch Boot	All Classic Pumps	MP6C000
4	Toggle Switch	All Classic Pumps	PM6E000
5	On-Off Switch Plate	All Classic Pumps	MP6D000
6	Motor Cover with 120V Cord	All Classic Pumps	PM6A0BL
	Motor Cover with 220V Cord	All Classic Pumps	PM6A0OL
7	Motor Fan	All Classic Pumps	PM6F000
8	Motor Base	All Classic Pumps	MP70000
9	Mounting Bracket	All Classic Pumps	MP80000
10	Rotor Assembly with Bearings, Brackets, Tolerance Rings & Fan	All Classic Pumps	PMBRPL2
11	Coil 60Hz 120V	All Classic Pumps	MP6J115
	Coil 60Hz 220V	All Classic Pumps	MP6J226
12	Gear Case with Posts	All Classic Pumps	PM6K0BL
13	Gear Posts	All Classic Pumps	PM6M000
14	Phenolic Gear with Spacer 26 rpm	Adjustable 45, 100 / Fixed 45, 100	MP6N040
	Phenolic Gear with Spacer 44 rpm	Adjustable 85, 170 / Fixed 85, 170	MP6N080
15	Metal Reduction Gear 26 rpm	Adjustable 45, 100 / Fixed 45, 100	MP6O040
	Metal Reduction Gear 44 rpm	Adjustable 85, 170 / Fixed 85, 170	MP6O080
16	Motor Shaft with Gear	Adjustable 45, 85, 100, 170	MP6Q00D
	Motor Shaft with Gear	Fixed 45, 85	ME6Q0LD
	Motor Shaft with Gear	Fixed 100, 170	DM6Q0LD
17	Gear Case Cover	All Classic Pumps	PM6R0BL
18	Pressure Spring	Adjustable 45, 85, 100, 170	MP6T000
19	Cover Screw B	All Pumps	UCCPS0B **10-PK**
			MCCPS0B **24-PK**

MOTOR PARTS *EUROPE*

	DESCRIPTION	WORKS WITH	EA
11	Coil 50Hz 230V	All Classic Pumps	MP6J223
	Coil 50Hz 250V	All Classic Pumps	MP6J222

Drive shown for reference, not sold separately
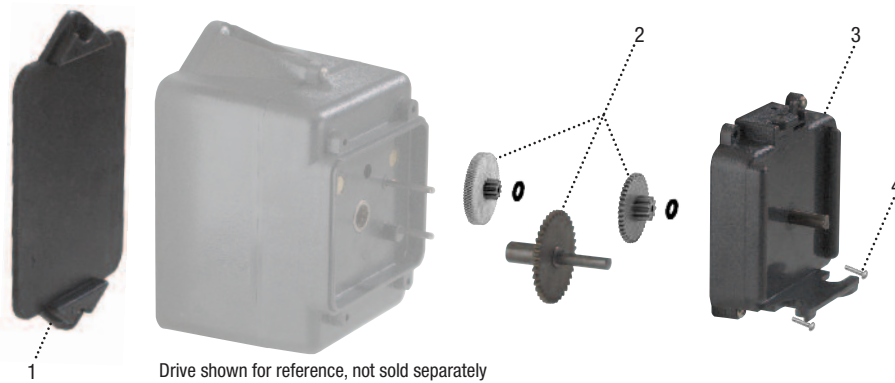
MOTOR PARTS

	DESCRIPTION	WORKS WITH	EA
1	Drive Assembly Pad	All Econ Pumps excluding Econ TD Battery	EC302
Not shown	DC Motor, brushed with leads	Econ T-E10	EC300
Not shown	DC Motor, brushed with leads	Econ T-E20	EC307
Not shown	DC Motor, brushless	Econ FP / Integrator™ / LD / Stennicator	EC301
Not shown	DC Motor, brushed	Econ FX, VX	EC308
Not shown	DC Battery Motor, brushed with leads	Econ TD Battery	EC309
2	Gear Kit includes spacers, screws and AquaShield™	All Econ Pumps with E10 prefix	EC310
	Gear Kit includes spacers, screws and AquaShield™	All Econ Pumps with E20 prefix	EC320
3	Gear Case Front Cover	All Econ Pumps	EC330
4	Cover Screw B	All Econ Pumps	UCCPS0B **10-PK**
			MCCPS0B **24-PK**
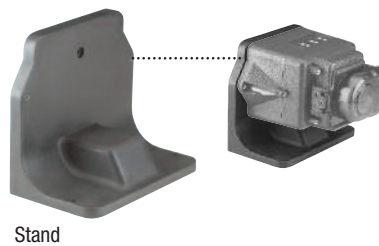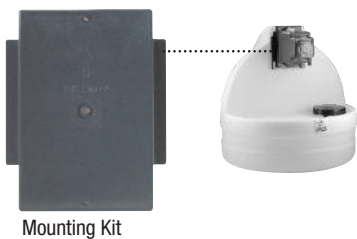
Mounting Kit

Stand

OPTIONAL MOUNTING ACCESSORIES

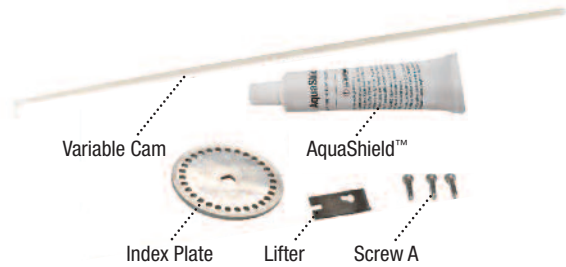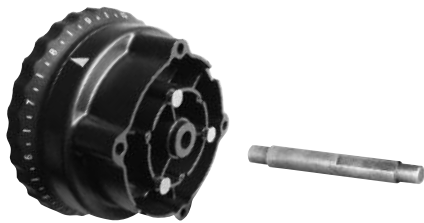| DESCRIPTION	WORKS WITH	
Mounting Kit (for wall mount or Stenner tank)	All Econ Pumps excluding Econ TD Battery	EC303 **KIT**
Stand (for horizontal display or wall mount)	All Econ Pumps excluding Econ TD Battery	EC304 **EA**

FEED RATE CONTROL

QuickPro® Pump Line Classic Series
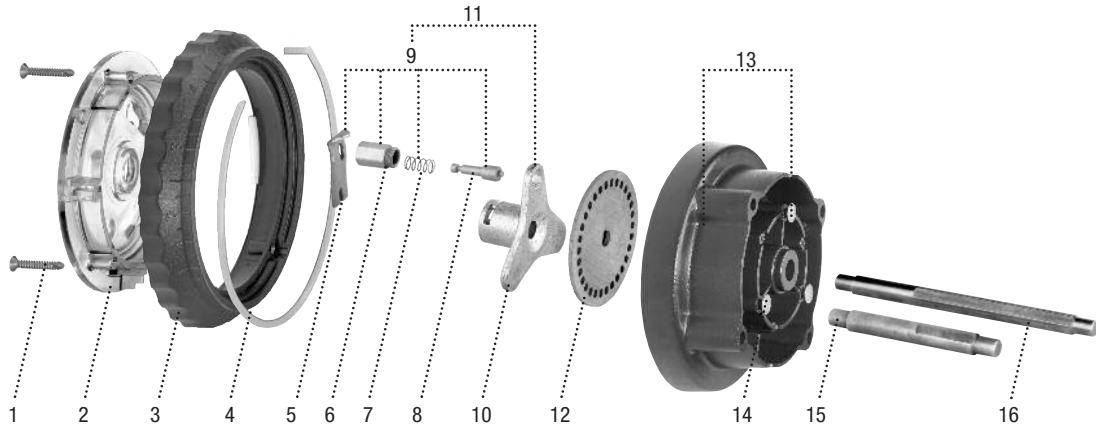
FEED RATE CONTROL PARTS

	DESCRIPTION	WORKS WITH	EA	2-PK	5-PK
1	FRC Screw A	Adjustable 45, 85, 100, 170	FCS000A	——	——
2	Feed Rate Mounting Plate	Adjustable 45, 85, 100, 170	FC5N000	——	——
3	Dial Ring	Adjustable 45, 85, 100, 170	FC5M040	——	——
4	Variable Cam	Adjustable 45, 85, 100, 170	——	UCFC5H0	MCFC5H0
5	Index Pin Lifter	Adjustable 45, 85, 100, 170	——	UCFC5L1	MCFC5L1
6	Index Pin Holder	Adjustable 45, 85, 100, 170	FC5L003	——	——
7	Index Pin Spring	Adjustable 45, 85, 100, 170	FC5L005	——	——
8	Index Pin	Adjustable 45, 85, 100, 170	FC5L002	——	——
9	Index Pin Assembly with Lifter includes 5, 6, 7 & 8	Adjustable 45, 85, 100, 170	UCFC5AY	MCFC5AY	——
10	Index Spider	Adjustable 45, 85, 100, 170	FC5K00D	——	——
11	Index Spider Assembly includes 9 & 10	Adjustable 45, 85, 100, 170	FC5LASY	——	——
12	Index Plate	Adjustable 45, 85, 100, 170	UCFC5ID	——	MCFC5ID
13	Feed Rate Housing with Roller Clutch, Seal & Rivets	Adjustable 45, 85, 100, 170	FC5D00S	——	——
14	Mounting Rivet C	Adjustable 45, 85, 100, 170	FCS000C	——	——
15	Main Shaft	Adjustable 45, 85	UCFC5AD	MCFC5AD	——
16	Main Shaft	Adjustable 100, 170	DM5A00D	——	——

Variable Cam   AquaShield™

Index Plate   Lifter   Screw A

FEED RATE CONTROL WITH SHAFT

DESCRIPTION	WORKS WITH	EA
120V 60Hz	Adjustable 45, 85	FC5040D
220V 60Hz	Adjustable 100, 170	DM5040D

FEED RATE SERVICE KITS

WORKS WITH	KIT
Adjustable 45, 85, 100, 170	FSK100

MIXER and WATER METER PARTS

Drive Assembly

Tank Mount & Drive Shaft

Wet End

Head Assembly

Coil   Wire Nuts

Rotor Assembly & Fan   Coil Ground Screw E   Coil Screw G with Lock Washer
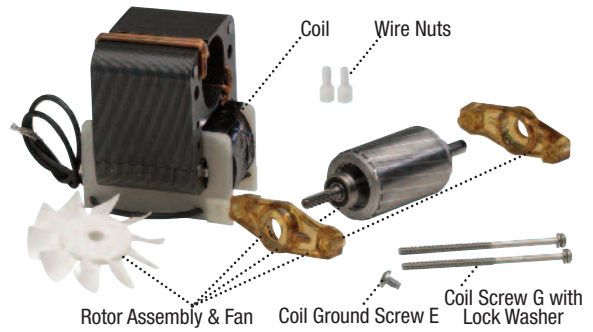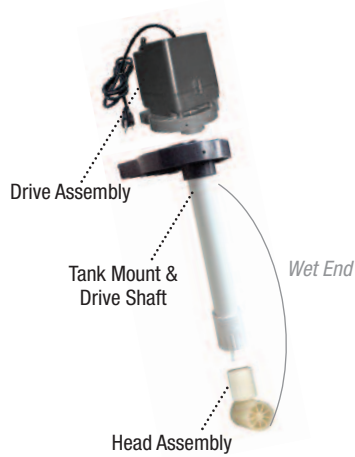
MIXER PARTS

DESCRIPTION	EA
Drive Assembly 120V 60Hz	MXAD
Drive Assembly 220V 60Hz	MXBD
Tank Mount & Drive Shaft, 7.5-Gallon	MX75M
Tank Mount & Drive Shaft, 15-Gallon	MX15M
Tank Mount & Drive Shaft, 30-Gallon	MX30M
Head Assembly	MX100

MIXER DRIVE ASSEMBLY SERVICE KIT

DESCRIPTION	EA
120V 60Hz	MX120
220V 60Hz	MX220

WATER METER PARTS

DESCRIPTION	WORKS WITH Plastic Water Meter	EA	2-PK
3/4" Plastic Couplings with Gaskets	3/4"	——	JLP38009P
1" Plastic Couplings with Gaskets	1"	——	JLP38012P
1/8" Rubber Gaskets for 3/4"	3/4"	——	JLP38007R
1/8" Rubber Gaskets for 1"	1"	——	JLP38012R
Reed Switch, Single with screw	1 ppg, 4 ppg, 10 ppg	JLP32RS	——
Reed Switch, Dual with screw	2 ppg	JLP34RS	——

CHEMICAL RESISTANCE GUIDE

Chemical / Solution	PP/ Santoprene®	Versilon®	PVC	LDPE	FKM	Silicone
Acetic Acid 20%	A	B	B	A	B	A
Acetic Acid 30%	B	C	C	A	B	A
Acetic Acid, Glacial	C	C	C	C	C	•
Acetic Anhydride	B	C	C	C	C	C
Aliphatic Hydrocarbons	B	B	B	B	•	•
Aluminum Chloride	A	A	A	B	A	B
Aluminum Sulfate	A	A	A	A	A	A
Alums	A	A	A	A	A	A
Ammonium Acetate	B	B	A	A	A	•
Ammonium Carbonate	A	A	A	A	A	C
Ammonium Chloride	A	B	A	B	A	C
Ammonium Hydroxide	A	B	A	A	B	A
Ammonium Nitrate	A	A	A	A	B	C
Ammonium Phosphate	A	A	A	A	A	A
Ammonium Sulfate	A	A	A	A	B	A
Amyl Acetate	A	C	C	C	C	C
Aniline	B	C	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	•	A
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	A
Bromine	A	B	B	B	A	C
Butyl Acetate	A	C	C	C	C	C
Butyric Acid	A	C	B	C	B	C
Calcium Chloride	A	A	B	A	A	•
Calcium Hydroxide	A	C	A	A	A	•
Calcium Hypochlorite 5%	A	B	A	A	A	•
Calcium Salts	A	A	A	A	•	B
Carbon Disulfide	C	C	C	C	A	•
Carbon Tetrachloride	C	C	C	C	A	C
Castor Oil	B	A	A	•	A	•

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

Chemical / Solution	PP/Santoprene®	Versilon®	PVC	LDPE	FKM	Silicone
Hydrogen Peroxide < 50%	A	B	A	B	A	A
Hydrogen Sulfide	A	A	B	A	C	•
Iodine	A	A	C	B	A	C
Lactic Acid	A	B	B	A	A	A
Lead Acetate	B	A	A	A	C	C
Linseed Oil	B	A	A	A	A	A
Limonene	C	B	B	B	•	•
Lubricating Oils	C	A	B	C	A	•
Magnesium Chloride	A	A	B	A	A	A
Magnesium Hydroxide	A	A	A	A	A	•
Magnesium Sulfate	A	A	A	A	A	A
Malic Acid	A	B	A	A	A	B
Manganese Salts	A	A	A	A	•	B
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	B
Nitric Acid 10-30%	B	C	A	C	A	C
Nitric Acid 30-60%	C	C	B	C	A	C
Nitric Acid 70%	C	C	B	C	A	C
Nitric Acid, red fuming	C	C	C	C	C	C
Nitrous Acid	A	B	•	•	B	•
Oleic Acid	A	B	C	C	B	C
Oleum 20-25%	C	C	C	C	•	•
Oxalic Acid	A	C	B	A	A	C
Palmitic Acid	A	B	B	A	A	C
Petroleum Distillates	C	B	B	C	•	•
Phenol	B	C	C	B	A	C
Phosphoric Acid	A	C	A	A	A	C
Phthalic Acid	A	C	A	A	A	B
Pickling Solutions	A	C	•	•	B	•
Plating Solutions	A	C	•	•	A	C
Polyphosphate	A	A	A	A	•	•
Potassium Carbonate	A	A	A	A	A	•
Potassium Chlorate	A	A	A	A	A	B
Potassium Hydroxide	A	A	A	A	C	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	Silicone
Sea Water	A	A	A	A	A	•
Silicone Oil	C	A	A	B	A	C
Silver Nitrate	A	A	A	A	A	A
Soap Solutions	A	A	A	C	A	A
Sodium	A	A	A	A	•	•
Sodium Bisulfate	A	A	A	A	A	•
Sodium Bisulfite	A	A	A	A	A	A
Sodium Borate	A	A	A	A	A	A
Sodium Carbonate	A	A	A	A	A	A
Sodium Chlorate	A	A	A	A	A	C
Sodium Chloride	A	A	A	A	A	A
Sodium Dichromate 20%	A	•	B	•	A	•
Sodium Hydroxide < 20%	A	B	A	B	C	A
Sodium Hydroxide 20-46.5%	A	C	A	B	C	•
Sodium Hypochlorite 5%	A*	B	A	A	A	B
Sodium Hypochlorite 6-15%	A*	B	A	A	•	B
Sodium Nitrate	A	A	A	A	A	C
Sodium Silicate	A	A	A	A	A	A
Sodium Sulfide	A	A	A	A	A	A
Sodium Sulfite	A	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	B
Sulfur Dioxide liquid	A	C	C	C	B	•
Sulfur Trioxide	B	C	A	C	A	•
Sulfuric Acid < 40%	B	B	B	B	A	C
Sulfuric Acid > 40%	C	C	C	C	A	C
Sulfurous Acid	A	A	A	B	C	C
Tannic Acid 10%	A	B	A	B	A	B
Tanning Liquors	A	A	A	A	A	•
Tartaric Acid	A	A	A	A	A	A
Titanium Salts	A	A	A	B	•	•
Triethanolamine	A	C	C	C	C	•
Trisodium Phosphate	A	A	A	A	A	•
Tung Oil	B	B	C	C	A	•
Turpentine	B	B	C	C	A	C
Urea	B	A	B	A	A	B
Water & Brine	A	A	A	A	A	B
Zinc Chloride	A	A	B	A	A	A
Zinc Salts	A	A	A	A	•	•

* Products tested and certified by WQA according to ANSI/NSF 61 for contact with Sodium Hypochlorite and Water only and ANSI/NSF 372.
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 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
QuickPro® is a registered trademark of the Stenner Pump Company.
Santoprene®* is a registered trademark of Exxon Mobil Corporation.
Versilon®* is a registered trademark of Saint-Gobain Performance Plastics.
Pellethane® is a registered trademark of Lubrizol Advanced Materials, Inc.
Hastelloy® is a registered trademark of Haynes International, Inc.
AquaShield™ is a trademark of Houghton International.

* Confirm material compatibility with the chemical resistance guide in the catalog. Santoprene® is beige; Versilon®, Pellethane® and Silicone are clear; FKM is black.

STENNER PUMPS ®

STENNER PUMP COMPANY

3174 DeSalvo Road
Jacksonville, Florida 32246 USA

Phone: 904.641.1666
US Toll Free: 800.683.2378
Fax: 904.642.1012

sales@stenner.com
www.stenner.com

Hours of Operation (EST):
Mon.–Thu. 7:30 am–5:30 pm
Fri. 7:00 am–5:30 pm

Assembled in the USA