

STENNER PUMPS

PERISTALTIC METERING PUMPS SINCE 1957

2015

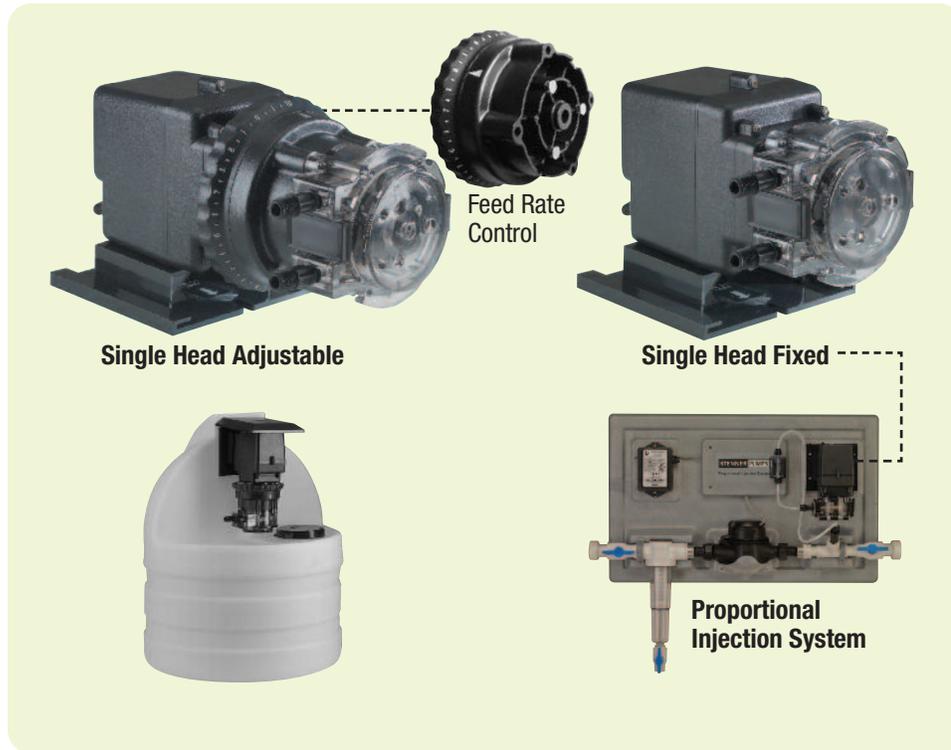
STENNER PUMP COMPANY CATALOG

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2015

STENNER PUMP COMPANY CATALOG

CLASSIC SERIES Electromechanical Pump



Versatile and Time-Tested

The versatile Classic series remains the most popular pump with installers; it is simple to service or convert to another model. Popular installations include: wired to a pressure switch, activated by a controller or activated by a pressure switch. The adjustable models have an external dial ring on the feed rate control for 20:1 turndown in 1% increments. The single head models are available as a 7.5, 15 or 30 gallon tank system, shipped assembled. The single head fixed models are included with the Proportional Injection System for water meter activated proportional dosing.

45 SERIES

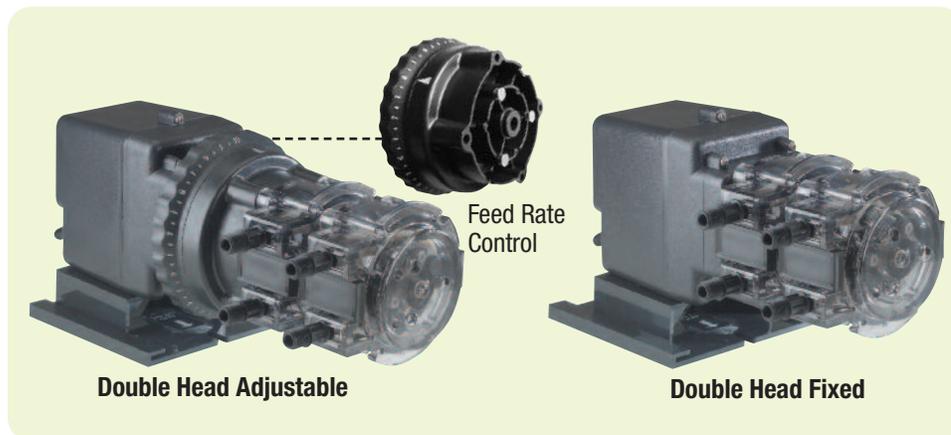
- 0.2 to 22.0 gpd, up to 100 psi
- 0.2 to 50.0 gpd, up to 25 psi
- 26 rpm
- Single Head Adjustable or Fixed output

85 SERIES

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

Features

- Patented QuickPro® pump head for fast tube replacement without tools
- 3-point roller design assists in anti-siphon protection
- Pump head requires no valves, allows for easy maintenance
- Self-priming against maximum working pressure, foot valve not required
- Pump does not lose prime or vapor lock
- Pumps off-gassing solutions and can run dry
- Output volume is not affected by back pressure
- Easy to change pump tube; lubrication is not required
- Components are interchangeable between models



100 SERIES

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

170 SERIES

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

Dimensions And Weights

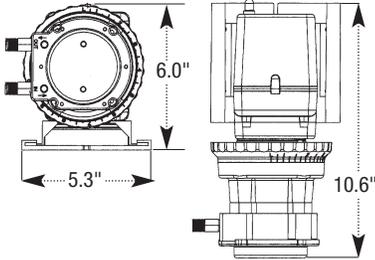
Single Head Adjustable

Shipping Weight 9 lbs (4.1 kg)

Box Dimensions

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

Product Dimensions



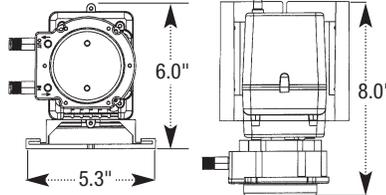
Single Head Fixed

Shipping Weight 8 lbs (3.6 kg)

Box Dimensions

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

Product Dimensions



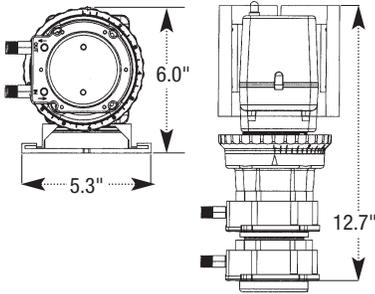
Double Head Adjustable

Shipping Weight 10 lbs (4.5 kg)

Box Dimensions

18 x 8 x 10 in. (45 x 20 x 25 cm)

Product Dimensions



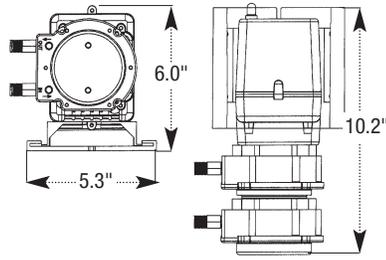
Double Head Fixed

Shipping Weight 9 lbs (4.1 kg)

Box Dimensions

18 x 8 x 10 in. (45 x 20 x 25 cm)

Product Dimensions



Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4" or 3/8"
- 3 ferrules 1/4" or 6 mm *EUROPE* OR 2 ferrules 3/8"
- 1 injection check valve 100 psi (6.9 bar) OR 1 injection fitting 25 psi (1.7 bar)
- 1 weighted suction line strainer 1/4", 3/8" or 6 mm *EUROPE*
- 1 20' roll suction/discharge tubing 1/4" or 3/8", white or UV black OR 6 mm white *EUROPE*
- 1 additional pump tube
- 2 additional latches
- 1 mounting bracket
- 1 manual

Specifications

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) *INT'L*,

250V 50Hz 1PH (0.9) *INT'L*

Power Cord Type SJTOW

Power Cord Plug End

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

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

Materials Of Construction

All Housings Polycarbonate

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

CV Duckbill with Versilon™ Tube Pellathane®†

Pump Head Rollers HDPE

Roller Bushings Oil impregnated sintered bronze

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

Tube Fittings, Check Valve Fittings

Gray fittings: Type 1 Rigid PVC, NSF listed

Black fittings: PP, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

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

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

All Fasteners Stainless steel

Pump Head Latches Polypropylene

Agency Listings

- Models (Santoprene® only) tested by Water Quality Association to conform to ANSI/NSF STD 61
- 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
LR79585



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



Intertek
94247
SANITATION LISTED
CONFORMS TO
STD. NSF-50
CIRCULATION SYSTEM
COMPONENTS FOR SWIMMING
POOLS, SPAS, OR HOT TUBS

USE ONLY WITH NSF/ANSI 50 LISTED CONTROLLERS



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POOLS, SPAS, OR HOT TUBS

USE ONLY WITH NSF/ANSI 50 LISTED CONTROLLERS

Listings vary by model

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

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

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

USA and Canada 800.683.2378, International 904.641.1666 **3**

CLASSIC SERIES Single Head

Single Head Adjustable Output 0-25 psi (0-1.7 bar)

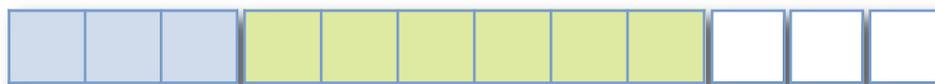
	Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45M1	45MJL1	#1	0.2 to 3.0	0.8 to 11.4	0.01 to 0.13	0.03 to 0.48	0.02 to 0.27	0.56 to 7.92	0.6 to 9.1	0.02 to 0.38	0.31 to 6.32
	45M2	45MJL2	#2	0.5 to 10.0	1.9 to 37.9	0.02 to 0.42	0.08 to 1.58	0.04 to 0.89	1.32 to 26.32	1.5 to 30.3	0.06 to 1.26	1.04 to 21.04
	45M3	45MJL3	#3	1.1 to 22.0	4.2 to 83.3	0.05 to 0.92	0.18 to 3.47	0.10 to 1.96	2.92 to 57.85	3.3 to 66.6	0.14 to 2.78	2.29 to 46.25
	45M4	45MJL4	#4	1.7 to 35.0	6.4 to 132.5	0.07 to 1.46	0.27 to 5.52	0.15 to 3.11	4.44 to 92.01	5.1 to 106.0	0.21 to 4.42	3.54 to 73.61
	45M5	45MJL5	#5	2.5 to 50.0	9.5 to 189.3	0.10 to 2.08	0.40 to 7.89	0.22 to 4.44	6.60 to 131.43	7.6 to 151.4	0.32 to 6.31	5.28 to 105.14
85 SERIES	85M1	85MJL1	#1	0.3 to 5.0	1.1 to 18.9	0.01 to 0.21	0.05 to 0.79	0.03 to 0.44	0.76 to 13.13	0.9 to 15.1	0.04 to 0.63	0.52 to 10.49
	85M2	85MJL2	#2	0.8 to 17.0	3.0 to 64.4	0.03 to 0.71	0.13 to 2.68	0.07 to 1.51	2.08 to 44.65	2.4 to 51.5	0.10 to 2.15	1.67 to 35.76
	85M3	85MJL3	#3	2.0 to 40.0	7.6 to 151.4	0.08 to 1.67	0.32 to 6.31	0.18 to 3.55	5.27 to 105.14	6.1 to 121.1	0.25 to 5.05	4.24 to 84.10
	85M4	85MJL4	#4	3.0 to 60.0	11.4 to 227.1	0.13 to 2.5	0.48 to 9.46	0.27 to 5.33	7.92 to 157.71	9.1 to 181.7	0.38 to 7.57	6.32 to 126.18
	85M5	85MJL5	#5	4.3 to 85.0	16.3 to 321.8	0.18 to 3.54	0.68 to 13.4	0.38 to 7.55	11.32 to 223.40	13.0 to 257.4	0.54 to 10.73	9.03 to 178.75
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

Single Head Adjustable Output 26-100 psi (1.8-6.9 bar)

	Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute
45 SERIES	45MHP2	45MJH1	#1	0.2 to 3.0	0.8 to 11.4	0.01 to 0.13	0.03 to 0.48	0.02 to 0.27	0.56 to 7.92	0.6 to 9.1	0.02 to 0.38	0.31 to 6.32
	45MHP10	45MJH2	#2	0.5 to 10.0	1.9 to 37.9	0.02 to 0.42	0.08 to 1.58	0.04 to 0.89	1.32 to 26.32	1.5 to 30.3	0.06 to 1.26	1.04 to 21.04
	45MHP22	45MJH7	#7	1.1 to 22.0	4.2 to 83.3	0.05 to 0.92	0.18 to 3.47	0.10 to 1.96	2.92 to 57.85	3.3 to 66.6	0.14 to 2.78	2.29 to 46.25
85 SERIES	85MHP5	85MJH1	#1	0.3 to 5.0	1.1 to 18.9	0.01 to 0.21	0.05 to 0.79	0.03 to 0.44	0.76 to 13.13	0.9 to 15.1	0.04 to 0.63	0.52 to 10.49
	85MHP17	85MJH2	#2	0.8 to 17.0	3.0 to 64.4	0.03 to 0.71	0.13 to 2.68	0.07 to 1.51	2.08 to 44.65	2.4 to 51.5	0.10 to 2.15	1.67 to 35.76
	85MHP40	85MJH7	#7	2.0 to 40.0	7.6 to 151.4	0.08 to 1.67	0.32 to 6.31	0.18 to 3.55	5.27 to 105.14	6.1 to 121.1	0.25 to 5.05	4.24 to 84.10
Approximate Output @ 60Hz										Approximate Output @ 50Hz		

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

Build An Item Number for Pump or Tank System



Select **Item Number Prefix** from output chart above

Omit if not ordering a Tank System

Tank

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

NOTE: Tanks also sold separately on page 35.

Voltage & Hertz

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

NOTE: Contact the factory for additional voltage and cord options.

Suction & Discharge Tubing

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

NOTE: O.D. does not affect output.

Tube Material

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

NOTE: Application specific, refer to chemical resistance guide for chemical compatibility.

Single Head Fixed Output 0-25 psi (0-1.7 bar)

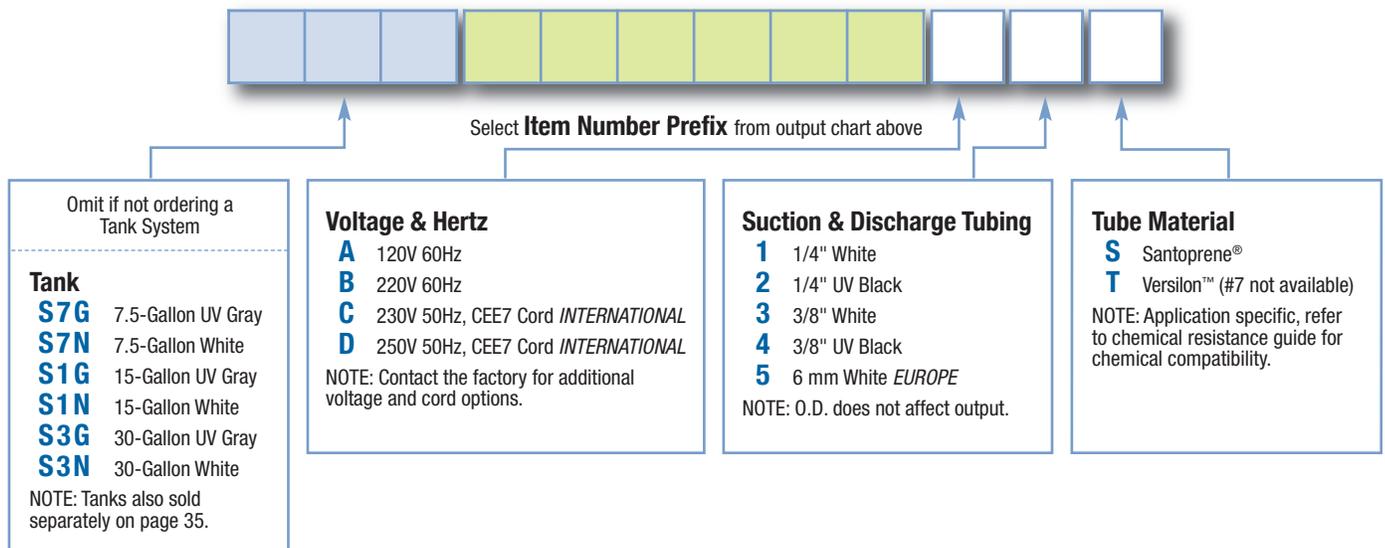
Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	
45 SERIES	45MP1	45MFL1	#1	3.0	11.4	0.13	0.48	0.27	7.92	9.1	0.38	6.32
	45MP2	45MFL2	#2	10.0	37.9	0.42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

Single Head Fixed Output 26-100 psi (1.8-6.9 bar)

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

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

Build An Item Number for Pump or Tank System



CLASSIC SERIES Double Head

Double Head Adjustable Output 0-25 psi (0-1.7 bar)

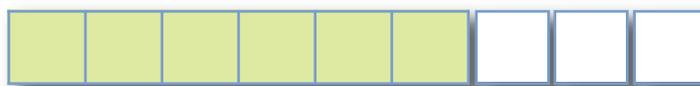
Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	
100 SERIES	100DM1	100JL1	#1	0.3 to 6.0	1.1 to 22.7	0.01 to 0.25	0.05 to 0.95	0.03 to 0.53	0.76 to 15.76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

Double Head Adjustable Output 26-100 psi (1.8-6.9 bar)

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

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

Build An Item Number



Select **Item Number Prefix** from output chart above

Voltage & Hertz

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

NOTE: Contact the factory for additional voltage and cord options.

Suction & Discharge Tubing

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

NOTE: O.D. does not affect output.

Tube Material

- S** Santoprene®
- T** Versilon™

NOTE: Application specific, refer to chemical resistance guide for chemical compatibility.

Double Head Fixed Output 0-25 psi (0-1.7 bar)

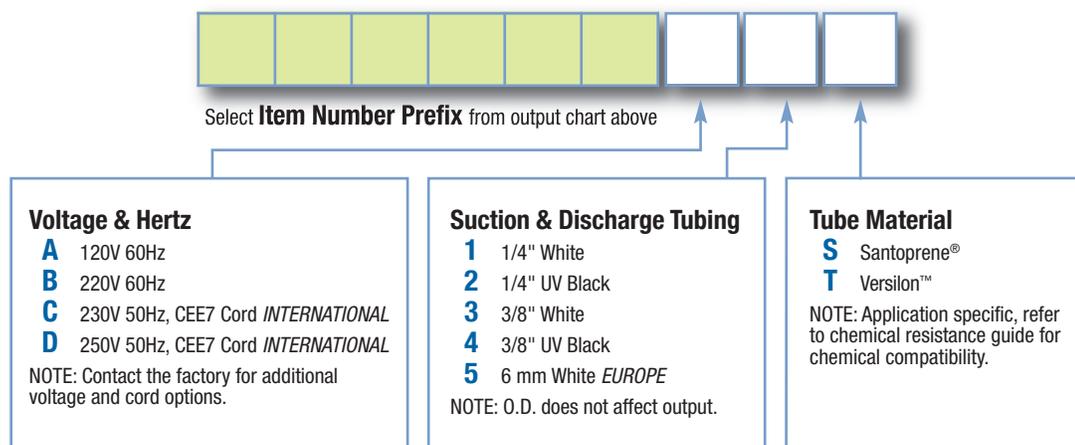
Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	
100 SERIES	100DMP1	100FL1	#1	6.0	22.7	0.25	0.95	0.53	15.76	18.2	0.76	12.64
	100DMP2	100FL2	#2	20.0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

Double Head Fixed Output 26-100 psi (1.8-6.9 bar)

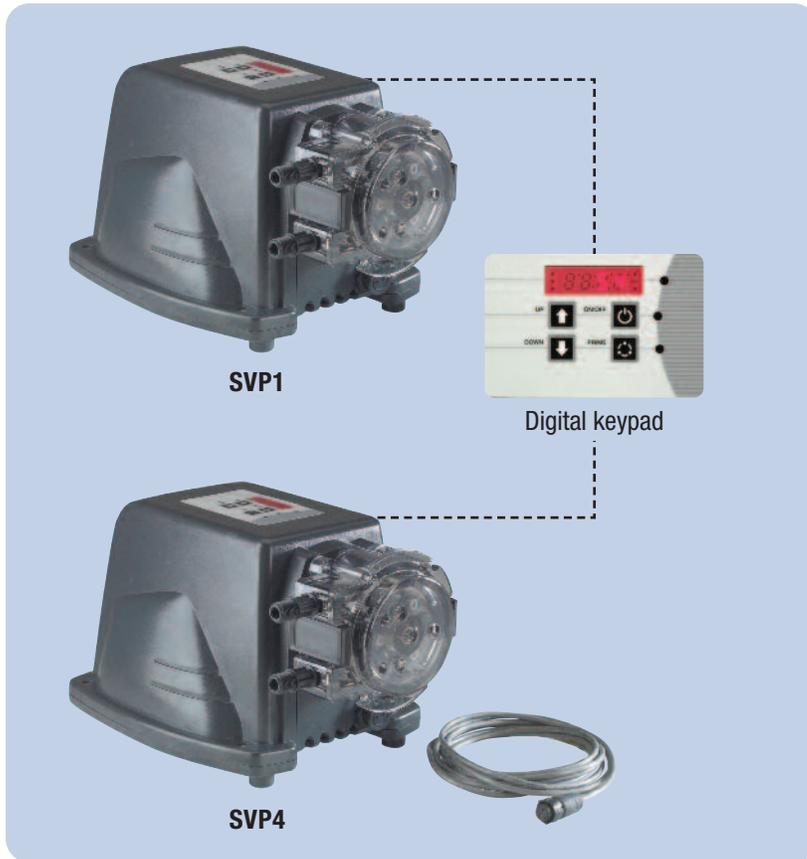
Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	Liters per Day	Liters per Hour	Milliliters per Minute	
100 SERIES	100DMPHP5	100FH1	#1	6.0	22.7	0.25	0.95	0.53	15.76	18.2	0.76	12.64
	100DMPHP20	100FH2	#2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

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

Build An Item Number



SVP SERIES Variable Speed Pump



- 0.3 to 40.0 gpd, up to 100 psi
- 0.3 to 85.0 gpd, up to 25 psi
- Digital keypad
- 20:1 turndown, 1% increments, non-scalable
- SVP1: Manual output control
- SVP4: Automatic output control via 4-20mA signal or manual

Well-Suited For Industrial Applications

The SVP Series is an adjustable variable speed metering pump with a DC motor and a detachable pump head. It features a rugged polycarbonate housing, heavy-duty gear motor and LED display with a four button control pad for easy operation.

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 including pH and ORP monitors to maintain proper water chemistry and treatment of effluent discharge water. The SVP4 is equipped with an external port to accept the signal or it can override the 4-20 mode to be manually adjusted with the arrows on the keypad.

Features

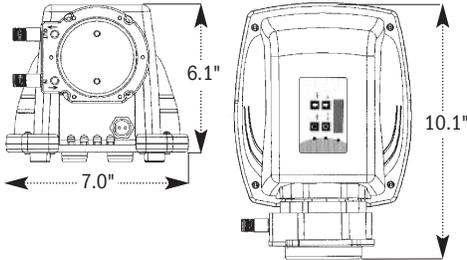
- Patented QuickPro® pump head for fast tube replacement without tools
- 3-point roller design assists in anti-siphon protection
- Pump head requires no valves, allows for easy maintenance
- Self-priming against maximum working pressure foot valve not required
- Pump does not lose prime or vapor lock
- Pumps off-gassing solutions and can run dry
- Output volume is not affected by back pressure
- Easy to change pump tube; lubrication is not required
- Pump tubes and pump heads are interchangeable between models

Dimensions And Weights

Shipping Weight 10 lbs (4.5 kg)

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

Product Dimensions



Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4" or 3/8"
- 3 ferrules 1/4" or 6 mm *EUROPE* OR 2 ferrules 3/8"
- 1 injection check valve 100 psi (6.9 bar) OR 1 injection fitting 25 psi (1.7 bar)
- 1 weighted suction line strainer 1/4", 3/8" or 6 mm *EUROPE*
- 1 20' roll suction/discharge tubing 1/4" or 3/8", white or UV black OR 6 mm white *EUROPE*
- 1 additional pump tube
- 2 additional latches
- 1 manual

Specifications

Output Control Digital keypad

Reproducibility $\pm 2\%$

Maximum Working Pressure

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

Maximum Operating Temperature 125°F (52°C)

Maximum Suction Lift

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

Motor Type 12VDC gear motor

Shaft rpm 47

Duty Cycle Continuous

Motor Voltage (Amp Draw)

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

12VDC (4.2), 230V 50/60Hz 1PH (1.5) *INT'L*,

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

Power Cord Type

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

12VDC: VW-1

Power Cord Plug End

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

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

12VDC Pigtail connection

Materials Of Construction

All Housings Polycarbonate

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

CV Duckbill with Versilon™ Tube Pellathane®†

Pump Head Rollers HDPE

Roller Bushings Oil impregnated sintered bronze

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

Polyethylene, FDA approved

Tube Fittings, Check Valve Fittings

Gray fittings: Type 1 Rigid PVC, NSF listed

Black fittings: PP, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

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

Suction Line Strainer PP or Type 1 Rigid PVC body

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

All Fasteners Stainless steel

Pump Head Latches Polypropylene

Agency Listings

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



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

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

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

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

SVP SERIES

SVP Output 25 psi (0-1.7 bar)

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

Approximate Output @ 50/60Hz

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

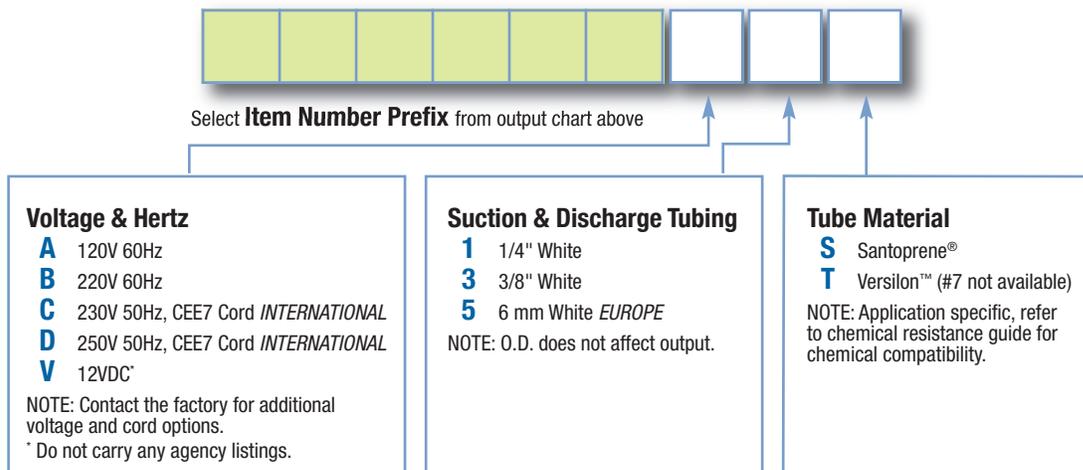
	Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute
MANUAL	SVP1H1	SVP1H1	#1	0.3 to 5.0	1.1 to 18.9	0.01 to 0.21	0.05 to 0.79	0.03 to 0.44	0.76 to 13.13
	SVP1H2	SVP1H2	#2	0.8 to 17.0	3.0 to 64.4	0.03 to 0.71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

Approximate Output @ 50/60Hz

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

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

Build An Item Number for Pump or Tank System



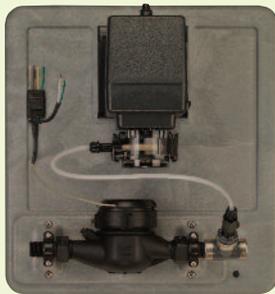
M128 SERIES 1:128 Medicator



M128



Potentiometer
backside of pump



M128 Meter System



M128 Tank System

- M05: 8.4 oz/min, up to 25 psi
- M07: 3.5 oz/min, up to 100 psi
- Potentiometer with adjustable pulse rate
1, 2, 4, 10 ppg or 1 ppl
- Standby setting

1:128 Injection For Livestock Water Treatment

The M128 series was specifically designed to inject solutions at a 1:128 ratio to treat livestock water with sanitizers, disinfectants, nutrients and medication. Also referred to as a medicator, the pump will automatically meter solution proportional to the water flow at a rate of one ounce of solution to 128 ounces of process water.

Activated By A Pulse Water Meter

The pump is actuated by water flow from the signal of a dry contact water meter. It has a cable with four lead wires; two are connected to the water meter. Installations with a house controller can utilize the two remaining wires to register water consumption to the controller. The prime button and "standby" setting allows the pulse water meter to register water consumption with the house controller while disabling the pump. The pulse dial is adjustable to work with a dry contact water meter with pulse rates of 1, 2, 4 or 10 pulses per gallon or 1 pulse per liter. The pump is pre-set at the factory to operate with a specific tube size

M128 System

For convenient and quick installations or turnkey operations, the M128 System is equipped with the pump and corresponding dry contact 3/4" or 1" Water Meter mounted on a heavy duty panel.

Features

- Patented QuickPro® pump for fast tube replacement without tools
- 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
- Pump head requires no valves, allows for easy maintenance
- Self-priming against maximum working pressure, foot valve not required
- Pump does not lose prime or vapor lock
- Pumps off-gassing solutions and can run dry
- Output volume is not affected by back pressure
- Easy to change pump tube; lubrication is not required
- Pump tubes and pump heads interchange between models
- Optional panel system for turnkey installations

M128 SERIES

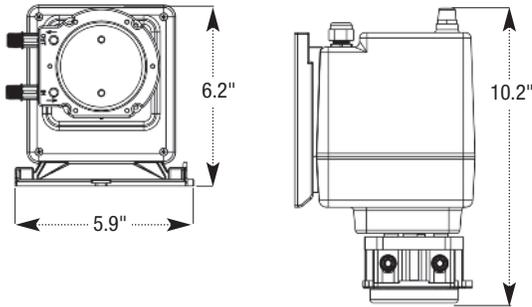
Dimensions And Weights

M128 Pump

Shipping Weight 10 lbs (4.5 kg)

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

Product Dimensions



M128 Meter System

Shipping Weight 19 lbs (8.4 kg)

Box Dimensions 24 x 12 x 23 in. (60 x 30 x 58 cm)

Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4"
- 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

Output Control Fixed output, interfaces with water meter

Maximum Operating Temperature 104°F (40°C)

Maximum Suction Lift

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

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

Duty Cycle Continuous

Shaft rpm 55

Motor Voltage (Amp Draw)

120V 60Hz 1PH (0.5)

220V 60Hz 1PH (0.33)

Power Cord Type SJTOW

Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/1

Materials Of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill

Santoprene®, FDA approved

Pump Head Rollers HDPE

Roller Bushings Oil impregnated sintered bronze

Suction/Discharge Tubing, Ferrules 1/4"

Polyethylene, FDA approved

Tube Fittings, Check Valve Fittings

Gray fittings: Type 1 Rigid PVC, NSF listed

Black fittings: PP, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

Suction Line Strainer PP or Type 1 Rigid PVC

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

All Fasteners Stainless steel

Pump Head Latches Polypropylene

Agency Listings



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

M128 Output 25 psi (0-1.7 bar)

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

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

M128 Output 26-100 psi (1.8-6.9 bar)

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

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

Alternative Sizing for M07 Model Using 1 pulse/gallon Meter

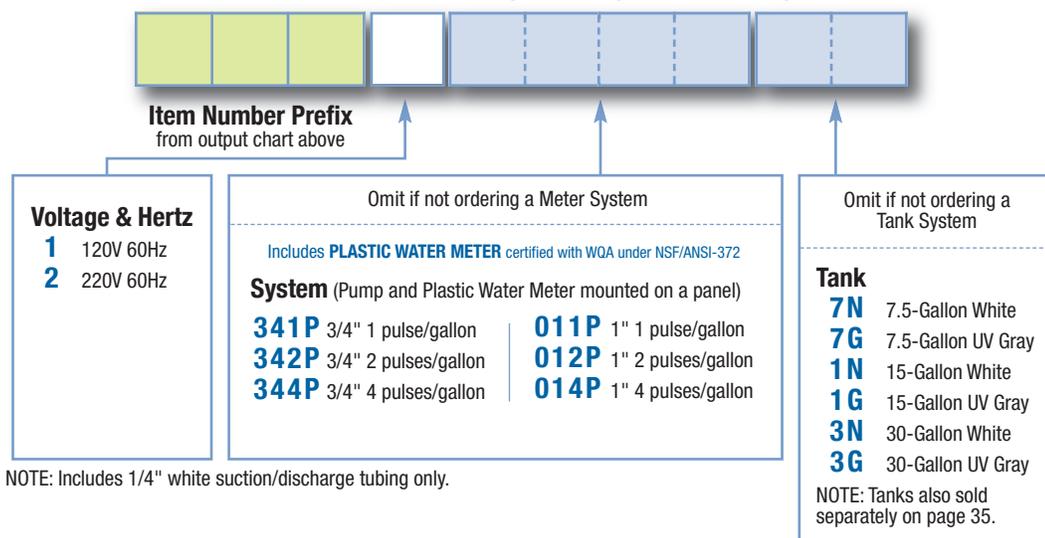
Dosage oz/gal	Dosage Ratio	Max. System Water Flow gal/min	Pulse Setting
1.0	1:128	3.5	1
0.50	1:256	7.0	2
0.25	1:512	14.0	4

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

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

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

Build An Item Number for A Pump, Meter System or Tank System



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

ECON FP SERIES Flow Activated Pump



- 4.5, 16.0, 30.0 gpd, up to 80 psi
- 10:1 turndown, 1% increments
- Digital keypad

Multi-Functional, Flow Activated

The Econ FP is a flow activated pump and can accept a dry contact signal or a 12-24 VAC/VDC signal from any control equipment that responds to flow. The functions are easy to program on the six button control pad with a backlit LCD window.

Three Operating Modes

SECONDS: The pump can receive a dry (non-voltage) contact signal and will run for a set time in response to receiving the signal. For example, the pump can receive a signal from a water meter or control valve that sends a dry contact 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 will 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. The connection is not polarity sensitive (polarity is not an issue when connecting the flow switch wires).

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 speed is adjustable from 10% to 100% in 1% increments.

Features

- Patented quick release pump head
- Enclosed housing
- Solid one piece tube construction
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372

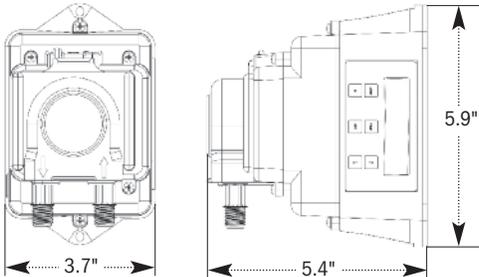
Dimensions And Weights

Pump

Shipping Weight 4 lbs (1.8 kg)

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

Product Dimensions



Meter System

Shipping Weight 17 lbs (7.5 kg)

Box Dimensions 24 x 12 x 23 in. (60 x 30 x 58 cm)

Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4" or 6 mm *EUROPE*
- 1 injection check valve
- 1 weighted suction line strainer 1/4"
- 1 20' roll suction/discharge tubing 1/4" white or UV black
OR 6 mm white *EUROPE*
- 1 additional pump tube
- 1 manual

Specifications

Output Control Six button control panel with LCD display

Reproducibility $\pm 2\%$

Maximum Working Pressure 80 psi (5.5 bar)

Maximum Operating Temperature 104°F (40°C)

Maximum Suction Lift

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

Motor Type 24VDC, brushless

Shaft rpm 60

Duty Cycle Continuous

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

External Power Supply 100-120V, 60Hz

Power Cord Type STP-2W

Power Cord Length

6 ft (1.83 m)

10 ft (3.05 m)

Power Cord Plug End

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

Classification Indoor/Outdoor

Materials Of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules

Polyethylene, FDA approved

Tube Fittings Polypropylene, NSF listed

Check Valve Fittings

Type 1 Rigid PVC, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

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

All Fasteners Stainless steel

Agency Listings



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

ECON FP SERIES

ECON FP OUTPUT 26-80 psi (1.8-5.5 bar)

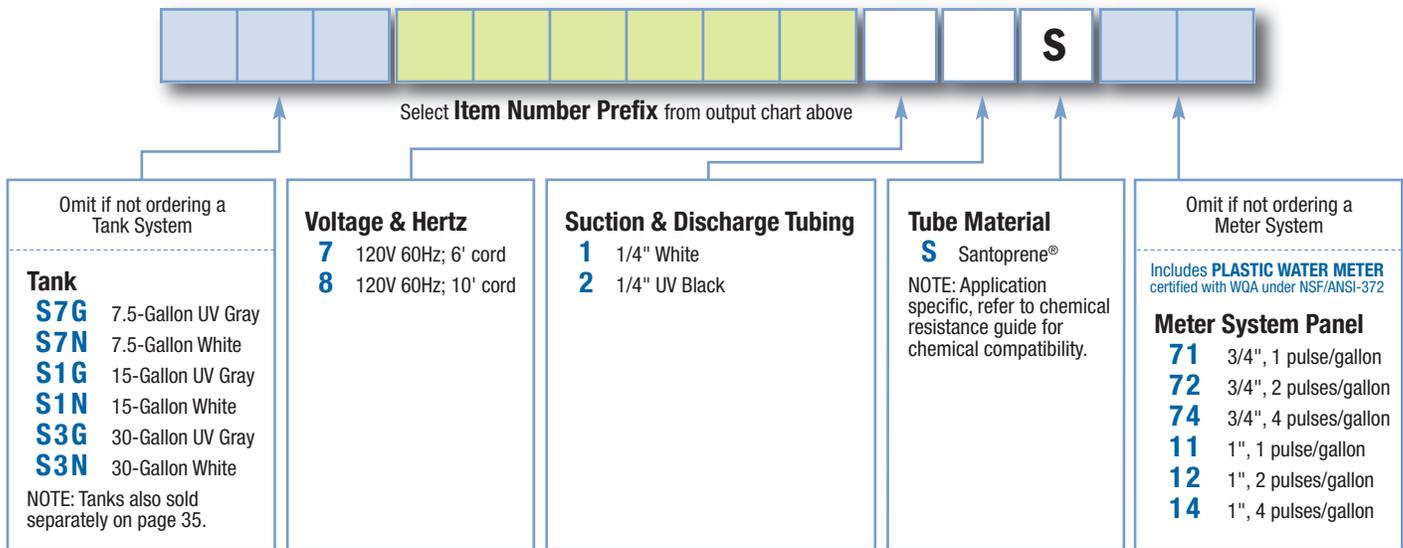
Item Number Prefix	Pump Tube Number	Roller Assembly	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E20PHF	F	White	10:1	4.5	0.19	24.0	0.40	17.01	0.71	708.8	11.8
E20PHG	G	Black	10:1	16.0	0.67	85.3	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	4.72	4725.0	78.8

Approximate Maximum Output @ 50/60Hz

NOTE: Injection check valve included.

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

Build An Item Number for Pump, Tank System or Meter System



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

ECON T SERIES Programmable 7 Day Timer Pump



- 2.5-15.0 gpd, up to 25 psi
- 0.6-21.7 gpd, up to 80 psi
- Digital keypad
- Output is controlled by adjusting the amount of minutes the pump runs per event

Control Panel

The pump features a control panel with an LCD display; when operating, it will display the current day, time, and the pump mode of operation. The display has indicators that represent the days of the week, operating mode and the event (timers).

There are 24 independent programmable on and off events within a 7 day period. Each event can be programmed for a specific ON time and a specific OFF time. The timer can be set in increments by hour and minute.

The control panel has a programmable clock uses a 24 hour format and has a battery back-up to maintain the internal time and programmed event settings.

Automatic Dosing Control

The Econ T provides automatic dosing control for a variety of timed applications. The applications include the injection of enzymes for drain line maintenance and biocide feeding in small cooling towers or water fountains. The pump has an easy to program integral timer that provides flexible 7-day, 24 event control capability for varied schedules.

Features

- Patented quick release pump head
- Enclosed housing
- Solid one piece tube construction
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372
- NSF 50 (25 psi models only)

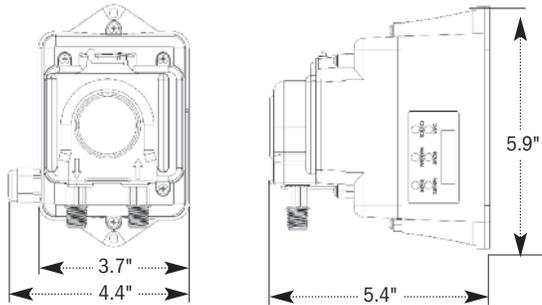
ECON T SERIES

Dimensions And Weights

Shipping Weight 4 lbs (1.8 kg)

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

Product Dimensions



Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4" or 6 mm *EUROPE*
- 1 injection check valve 80 psi (5.5 bar)
OR 1 injection fitting 25 psi (1.7 bar)
- 1 weighted suction line strainer 1/4"
- 1 20' roll suction/discharge tubing 1/4" white or UV black
OR 6 mm white *EUROPE*
- 1 additional pump tube
- 1 manual

Specifications

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

Reproducibility $\pm 5\%$

Maximum Working Pressure

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

Maximum Operating Temperature 104°F (40°C)

Maximum Suction Lift

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

Motor Type 24VDC, brushed

Shaft rpm 9, 18 or 40

Duty Cycle Continuous

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

External Power Supply

100-120V, 60Hz

Power Cord Type STP-2W

Power Cord Plug End

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

Classification Indoor/Outdoor

Materials Of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill

Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules

Polyethylene, FDA approved

Tube Fittings Polypropylene, NSF listed

Check Valve Fittings

Type 1 Rigid PVC, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

Suction Line Strainer PP or Type 1 Rigid PVC

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

All Fasteners Stainless steel

Agency Listings

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



Listings vary by model

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

ECON T Output 25 psi (0-1.7 bar)

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

Approximate Maximum Output @ 50/60Hz

ECON T Output 26-80 psi (1.8-5.5 bar)

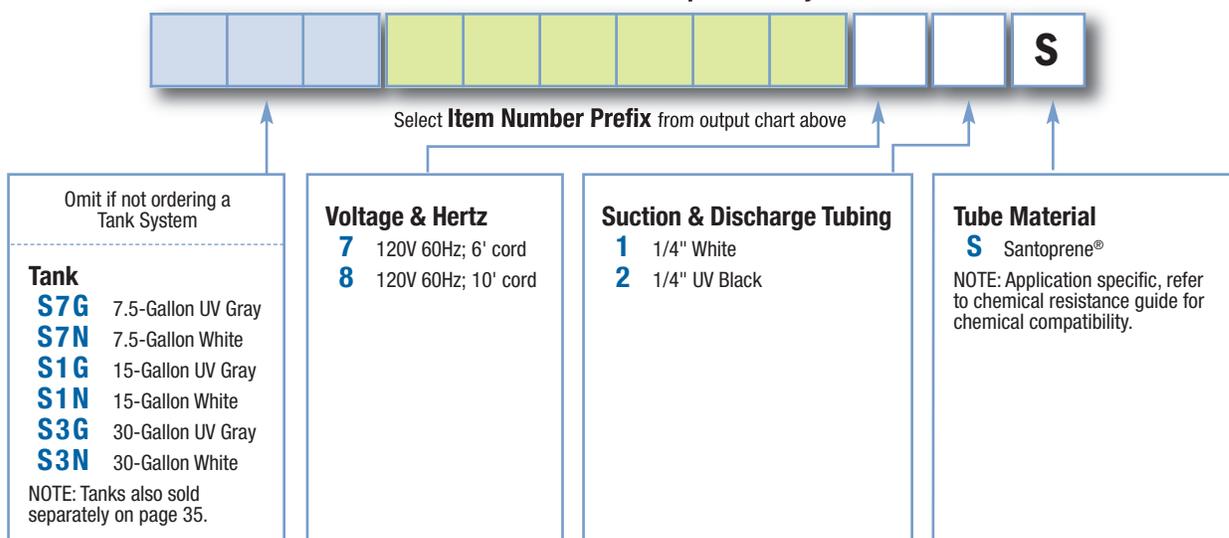
Item Number Prefix	Pump Tube	Roller Assembly	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Pressure psi	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute	Pressure bar
E10T1F	F	White	0.6	0.02	3.0	0.05	80	2.2	0.09	90.0	1.50	5.5
E10T2F	F	White	1.3	0.05	6.6	0.11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

Approximate Maximum Output @ 50/60Hz

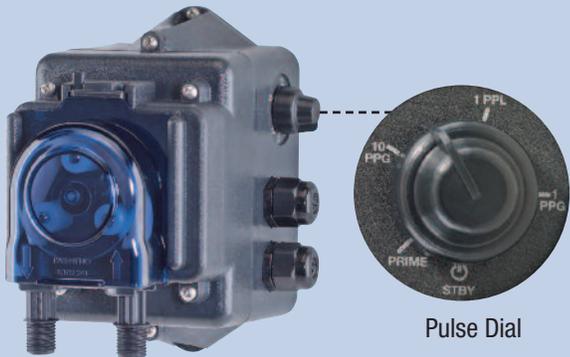
NOTE: Injection check valve included with pumps rated 80 psi (5.5 bar).

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

Build An Item Number for Pump or Tank System



ECON STENNICATOR 1:128 Medicator



ECON STENNICATOR



ECON STENNICATOR Meter Systems - Single and Dual



ECON Tank System

1:128 Injection For Livestock Operations

The Stennicator injects product directly into the water line at a fixed ratio of 1:128; eliminating a water bypass that can restrict water flow to the drinker lines. It functions as a medicator and dispenses iodine, vaccines, acids, chlorine, electrolytes and more.

Activated By A Pulse Water Meter

The pump accepts a signal from a water meter providing a dry contact at a rate of 1 or 10 pulses per gallon or 1 pulse per liter. The Stennicator also features a signal repeater relay that can repeat the incoming signal to another Stennicator, controller or other device. When utilizing a house controller, the standby setting stops the pump from injecting but it still sends the water meter signal to the controller. For convenience, the meter system is offered with a pulse meter with one or two pumps pre-mounted to a heavy duty panel.

Watch Animated Video

<http://www.stenner.com/support/videos/videos-stennicator-new-medicator>

Features

- Patented quick release pump head
- On/off switch
- Brushless motor
- Totally enclosed
- 3-point roller design assists in anti-siphon protection
- Pump head requires no valves, allows for easy maintenance
- Self-priming against maximum working pressure foot valve not required
- Pump does not lose prime or vapor lock
- Pumps off-gassing solutions and can run dry
- Output volume is not affected by back pressure
- Easy to change pump tube; lubrication is not required
- All pump accessories included allow a fast and easy installation
- cULus for indoor/outdoor use

Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4"
- 1 injection check valve 80 psi (5.5 bar)
- 1 weighted suction line strainer 1/4"
- 1 20' roll suction/discharge tubing 1/4" white
- 1 additional pump tube
- 1 manual

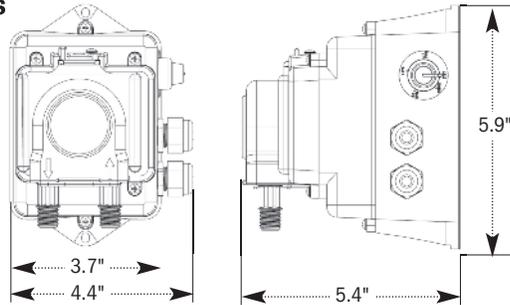
Dimensions And Weights

Pump

Shipping Weight 4 lbs (1.8 kg)

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

Product Dimensions



Single System

Shipping Weight 17 lbs (7.5 kg)

Box Dimensions 24 x 12 x 23 in. (60 x 30 x 58 cm)

Dual System

Shipping Weight 20 lbs (8.8 kg)

Box Dimensions 24 x 12 x 23 in. (60 x 30 x 58 cm)

ECON STENNICATOR Output

Item Number	Pump Tube	Roller Assembly	Ounces per Minute	Pressure psi	Milliliters per Minute	Pressure bar
E20MH81S	H	Black	2.7	80	74	5.5

Approximate Output @ 50/60Hz

NOTE: Injection check valve included.

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

Build An Item Number for Pump, Tank System or Meter System



Omit if not ordering a Tank System	Omit if not ordering a Meter System	Omit if not ordering a Meter System
Tank 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 NOTE: Tanks also sold separately on page 35.	System S Single D Dual	Includes PLASTIC WATER METER certified with WQA under NSF/ANSI-372 Meter System Panel 341 3/4", 1 pulse/gallon 340 3/4", 10 pulses/gallon 34L 3/4", 1 pulse/liter 010 1", 10 pulses/gallon 011 1", 1 pulse/gallon 01L 1", 1 pulse/liter

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

Specifications

Output Control On/off switch, fixed output

Reproducibility ±2%

Maximum Working Pressure 80 psi (5.5 bar)

Maximum Operating Temperature 104°F (40°C)

Maximum Suction Lift

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

Motor Type 24VDC, brushless

Shaft rpm 60

Duty Cycle Continuous

Max Viscosity 50 cps

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

External Power Supply 100-120VAC, 60Hz

Power Cord Type STP-2W

Power Cord Length 10 ft (3.05 m)

Power Cord Plug End

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

Classification Indoor/Outdoor

Materials Of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules

Polyethylene, FDA approved

Tube Fittings Polypropylene, NSF listed

Check Valve Fittings

Type 1 Rigid PVC, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

Suction Line Strainer PP or Type 1 Rigid PVC body

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

All Fasteners Stainless steel

Agency Listings

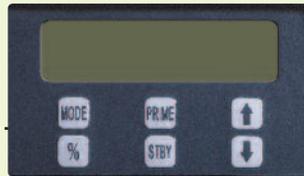


* Santoprene® is a registered trademark of Exxon Mobil Corporation.

ECON INTEGRATOR™ Livestock Water Treatment Pump



ECON INTEGRATOR™



Control Panel



ECON INTEGRATOR™ Meter System



ECON Tank System

- 4.5, 16.0, 30.0 gpd, up to 80 psi
- 10:1 turndown, 1% increment
- Digital keypad

Additional Pulse Meter Not Required

The Econ Integrator™ provides proportional injection for water treatment on livestock farms without the expense of an additional water meter. The pump's "seconds" mode is time adjustable to accurately inject a fixed amount of chemical per volume of water, determined by the pulse rate of the water meter in use. An additional meter dedicated to chemical feed is not required. Direct injection eliminates the need for a water bypass that can restrict the flow to the drinker line.

Activate Multiple Pumps From One Water Meter

A built-in repeater relay provides a dry contact output signal that replicates the same signal the pump receives. The relay feature is especially useful in livestock operations where an existing dry contact water meter is being utilized to tally water consumption to a controller. When in use with a house controller, the water meter will continue to register water consumption to the controller via the pump's relay in both the standby and active mode. The relay feature is also perfect for installations requiring multiple pumps, all of which can be activated by one dry contact water meter.

Meter System

The Econ Integrator™ Meter System offers convenience with the pump and meter pre-mounted to a heavy duty panel for quick installations. An added bonus is a flow indicator installed on the discharge line to confirm the solution is pumping into the system.

Features

- Patented quick release pump head
- Unaffected by scale or solids
- Inject undiluted solutions directly into the water line
- Enclosed housing
- Patented quick release tube replacement
- Solid one piece tube construction
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372

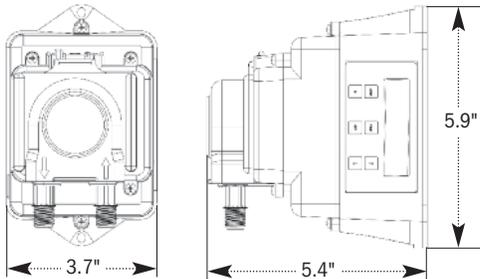
Dimensions And Weights

Pump

Shipping Weight 4 lbs (1.8 kg)

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

Product Dimensions



Meter System

Shipping Weight 17 lbs (7.5 kg)

Box Dimensions 24 x 12 x 23 in. (60 x 30 x 58 cm)

Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4" or 6 mm *EUROPE*
- 1 injection check valve
- 1 weighted suction line strainer 1/4"
- 1 20' roll suction/discharge tubing 1/4" white or UV black
OR 6 mm white *EUROPE*
- 1 additional pump tube
- 1 manual

Specifications

Output Control Six button control panel with LCD display

Reproducibility $\pm 2\%$

Maximum Working Pressure 80 psi (5.5 bar)

Maximum Operating Temperature 104°F (40°C)

Maximum Suction Lift

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

Motor Type 24VDC, brushless

Shaft rpm 60

Duty Cycle Continuous

Motor Voltage (Amp Draw)

120V 60Hz (0.17)

External Power Supply

100-120VAC, 60Hz

Power Cord Type STP-2W

Power Cord Plug End

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

Classification Indoor/Outdoor

Materials Of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules

Polyethylene, FDA approved

Tube Fittings Polypropylene, NSF listed

Check Valve Fittings

Type 1 Rigid PVC, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

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

All Fasteners Stainless steel

Agency Listings



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ECON INTEGRATOR™

ECON INTEGRATOR™ Output 0-80 psi (0-5.5 bar)

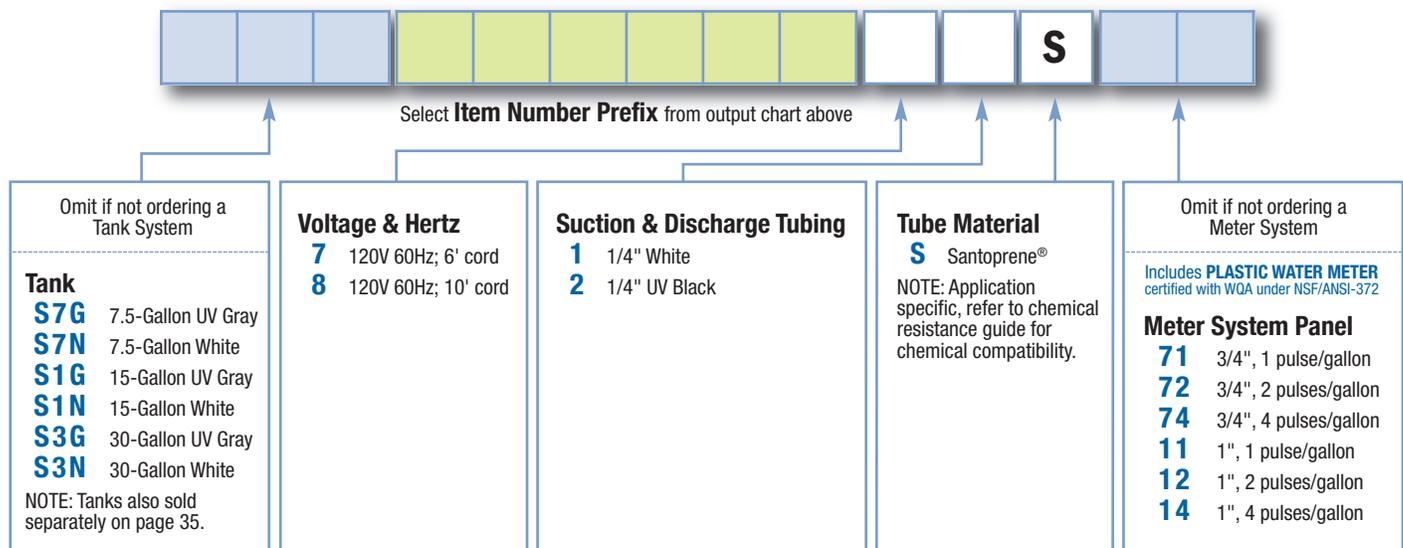
Item Number Prefix	Pump Tube Number	Roller Assembly	Turndown Ratio	Gallons per Day	Gallons per Hour	Ounces per Hour	Ounces per Minute	Liters per Day	Liters per Hour	Milliliters per Hour	Milliliters per Minute
E20RHF	F	White	10:1	4.5	0.19	24.0	0.40	17.01	0.71	708.8	11.8
E20RHG	G	Black	10:1	16.0	0.67	85.3	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	4.72	4725.0	78.8

Approximate Maximum Output @ 50/60Hz

NOTE: Injection check valve included.

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

Build An Item Number for Pump, Tank System or Meter System



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

ECON LD SERIES Low Dose Variable Speed



ECON LD



Potentiometer



ECON Tank System

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

Accurate Low Volume Metering

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

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

Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4"
- 1 injection check valve 80 psi (5.5 bar)
- 1 weighted suction line strainer 1/4"
- 1 20' roll suction/discharge tubing 1/4" white
- 1 additional pump tube
- 1 manual

Features

- Patented quick release pump head
- Potentiometer, 50:1 turndown
- Brushless motor
- Totally enclosed
- 3-point roller design assists in anti-siphon protection
- Pump head requires no valves, allows for easy maintenance
- Self-priming against maximum working pressure foot valve not required
- Pump does not lose prime or vapor lock
- Pumps off-gassing solutions and can run dry
- Output volume is not affected by back pressure
- Easy to change pump tube; lubrication is not required
- All pump accessories included allow a fast and easy installation
- cULus for indoor/outdoor use
- CE listed, varies by model

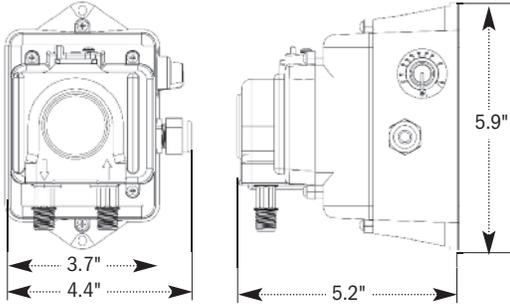
ECON LD SERIES

Dimensions and Weights

Shipping Weight 4 lbs (1.8kg)

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

Product Dimensions



ECON LD Output 0-80 psi (0-5.5 bar)

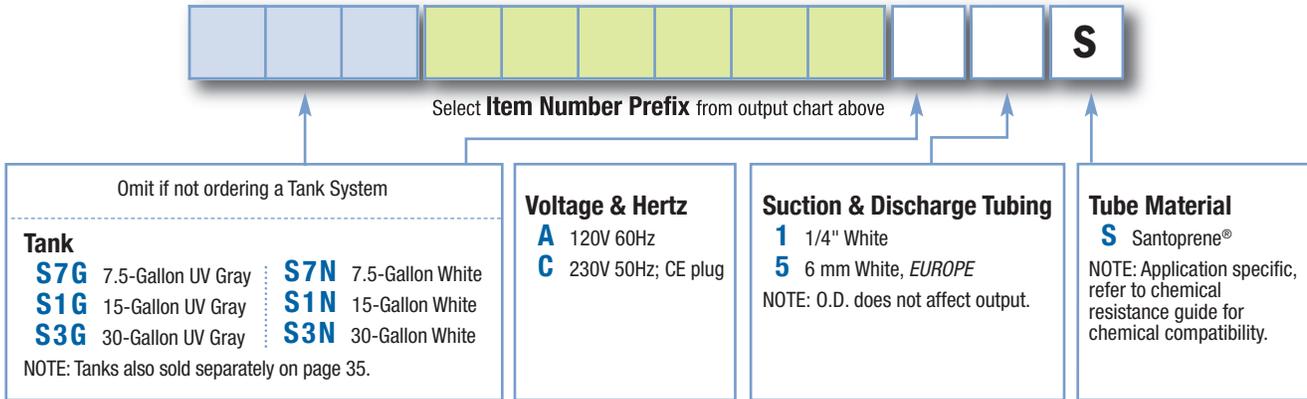
Item Number Prefix	Pump Tube Number	Roller Assembly	Turndown Ratio	Ounces per Hour	Milliliters per Hour
E10LHM	M	White	50:1	0.04 to 2.4	1.3 to 70.0
E10LHF	F	White	50:1	0.11 to 8.1	3.2 to 240.0

Approximate Outputs @ 50/60Hz

NOTE: Injection check valve included.

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

Build An Item Number for Pump or Tank System



Specifications

Output Control Potentiometer, 50:1 Turndown

Reproducibility ±2%

Maximum Working Pressure 80 psi (5.5 bar)

Maximum Operating Temperature 104°F (40°C)

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

Motor Type 24VDC, brushless

Shaft rpm 17

Duty Cycle Continuous

Max Viscosity 50 cps

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

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

Power Cord Length 6 ft (1.8 m)

Power Cord Plug End NEMA, Swiss, CE

Classification Indoor & outdoor

Materials Of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules Polyethylene, FDA approved

Tube Fittings Polypropylene, NSF listed

Check Valve Fittings Type 1 Rigid PVC, NSF listed

Connecting Nuts PP or Type 1 Rigid PVC

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

All Fasteners Stainless steel

Agency Listings



IP44

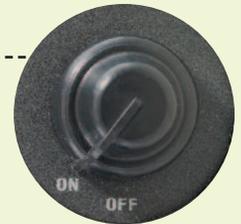
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ECON OEM PUMPS



CUSTOM OEM

Stenner's custom OEM pump can be designed with the customer's supplied motor and gearbox. A standard OEM bracket is provided, or a custom bracket can be designed. The pump is offered with a brushless or brushed DC motor, and as an open or enclosed version. Enclosed versions offer an optional internal power supply and customizable power cord for 100-240VAC, 50/60Hz. The customer selects the fixed output from ranges of 0.04 ounces per hour to 2.08 gallons per hour, up to 80 psi (1.3 milliliters per hour to 7.88 liters per hour, up to 5.5 bar).



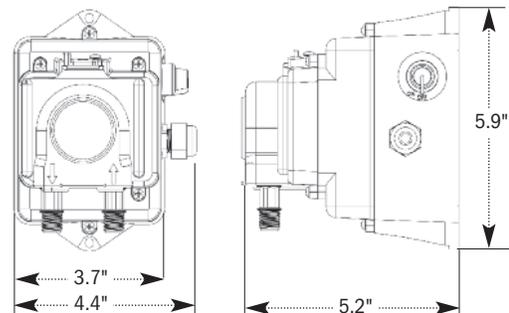
On/Off Switch

CUSTOM OEM BATCH

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.

Weight 4 lbs (1.8 kg)

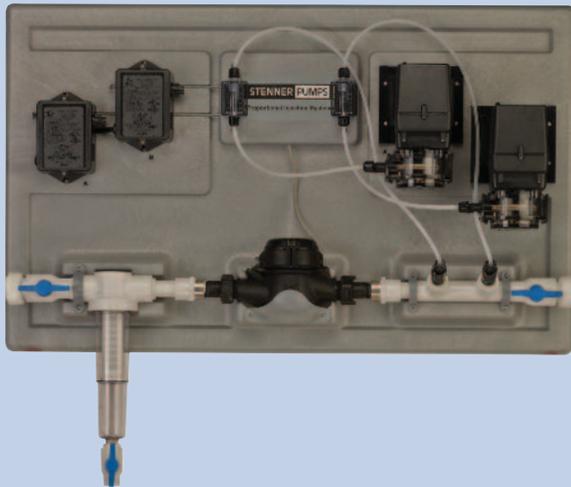
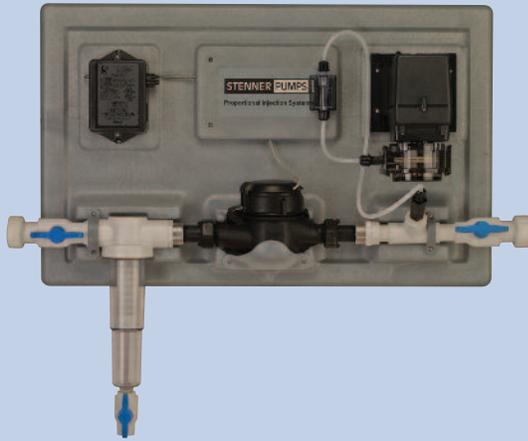
Product Dimensions



Features

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

PROPORTIONAL INJECTION SYSTEM



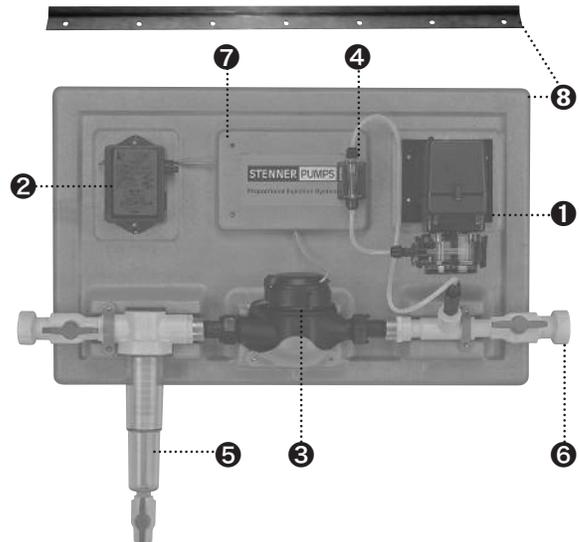
Proportional Injection Systems - Single and Dual

Proportional Metering In A Pre-Packaged System

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

Proportional Injection System Includes

- 1 Classic single head fixed output pump
- 2 PCM (pump control module)
- 3 Plastic 3/4" dry contact water meter, certified with WQA/ANSI-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 to keeps cords and wires contained
- 8 Heavy duty panel and wall mounting bracket



Dimensions And Weights

Shipping Weight

- Single: 33 lbs (15.0 kg)
- Dual: 45 lbs (20.4 kg)

Box Dimensions

- Single: 36 x 11 x 23 in. (90 x 28 x 58 cm)
- Dual: 43 x 27 x 12 in. (109 x 69 x 30 cm)

Specifications

Voltage 120V 60Hz

Materials Of Construction

Panel & Panel Fittings Polyethylene

Mounting Hardware Stainless steel

Piping and Associated Fittings PVC

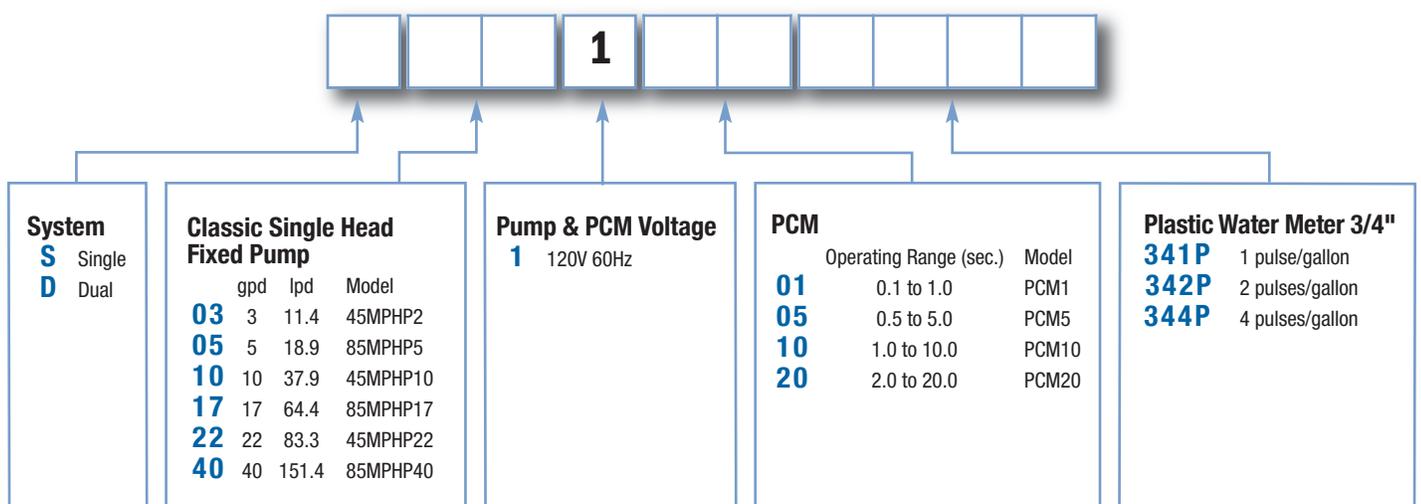
Water Meter Pastic lead free (certified with WQA/ANSI-372)

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.

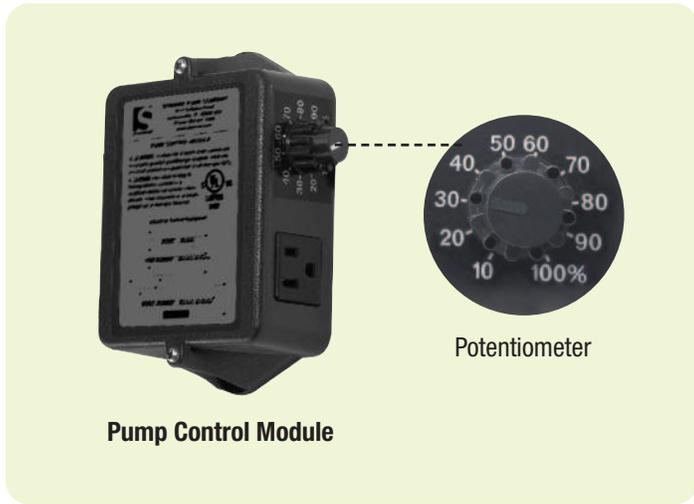


BUILD AN ITEM NUMBER



NOTE: Proportional Injection System includes 1/4" white suction/discharge tubing only.

PCM

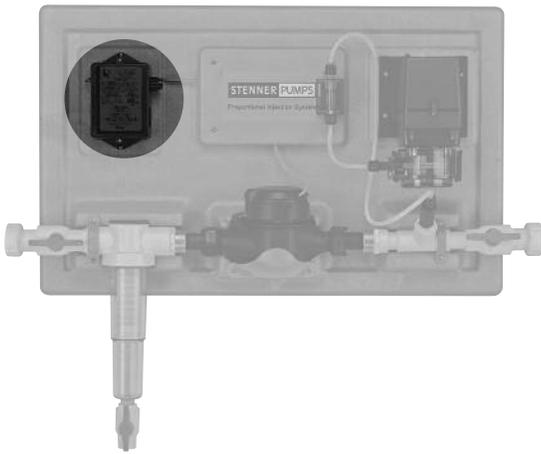


The PCM (Pump Control Module) is a time adjustable controller that powers a fixed output pump. A pulsing dry contact water meter sends a signal to the PCM, which actuates the pump to deliver the desired dose based upon water volume.

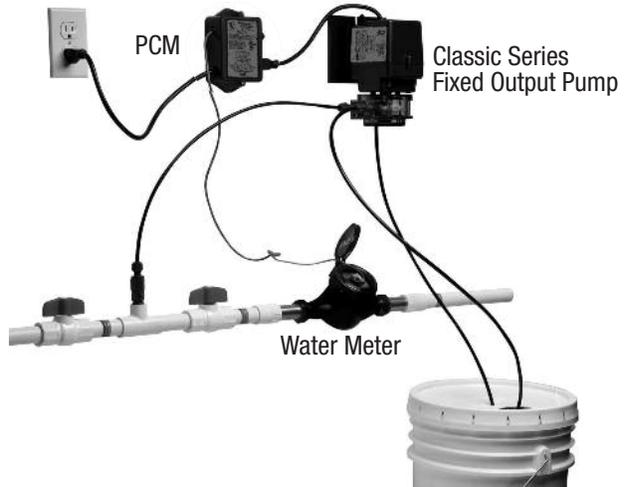
Features

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

The PCM is one of the components in the Proportional Injection System or a proportional feed installation. A proportional feed set-up is suited for constant pressure (variable speed) well pumps and applications with varying flow rates requiring proportional injection.



The Proportional Injection System includes a PCM (highlighted in photo above), a Classic Series single head fixed output pump and a 3/4" plastic water meter.

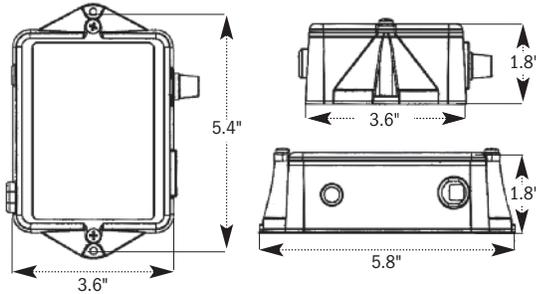


You can customize your own "proportional feed installation" by individually selecting a PCM, a Classic Series single head fixed output pump and water meter. The components are sold separately.

Dimensions And Weights

Shipping Weight 2 lbs (0.9 kg)

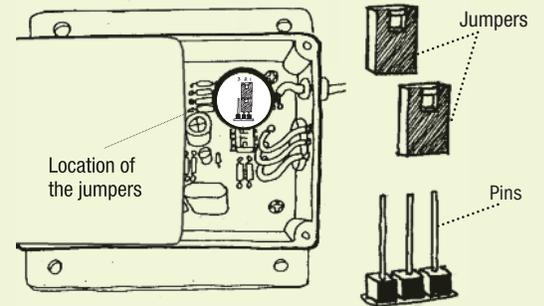
Box Dimensions 9 x 8 x 7 in. (23 x 20 x 18 cm)



PCM Models

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

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.



Materials Of Construction

Housings Polycarbonate

Timer Microcontroller with triac output

Turndown Ratio 10:1

Pump Head Rollers HDPE

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



PLASTIC WATER METER



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	10

* 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 VAC

Sensor Reed Switch

Cable Length 6 ft (1.8 m)

Materials Of Construction

Body** Engineered reinforced plastic (nylon)

Internal Engineered thermoplastic

Magnet Alnico

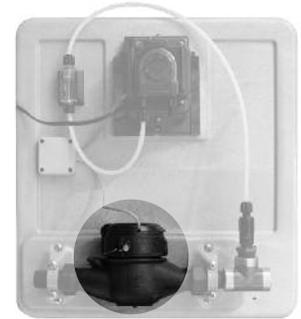
** 1 1/2" meter may include plastic or lead free brass couplings.

The plastic water meter doesn't require power and utilizes a reed switch that provides a pulsing dry contact signal. It is certified with the Water Quality Association under NSF/ANSI-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.

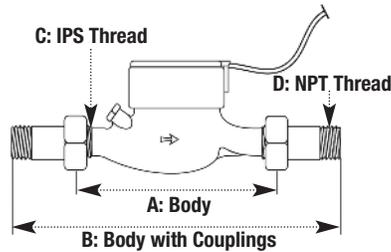


Proportional Feed Installation



Econ FP Meter System

Shipping Weight & Dimensions



SIZE	Shipping Weight	Dimensions			
		A	B	C	D
3/4"	3 lbs (1 kg)	7.5" (19.1 cm)	11.5" (29.2 cm)	1"	0.75"
1"	3 lbs (1.2 kg)	10.25" (26.0 cm)	15.25" (38.7 cm)	1.25"	1"
1 1/2"	7 lbs (2.7 kg)	9.63" (24.4 cm)	14.75" (37.5 cm)	2"	1 1/2"

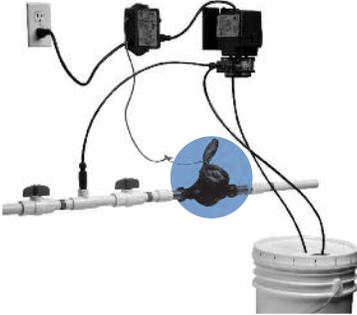
Plastic Meters

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

ECO BRASS WATER METER

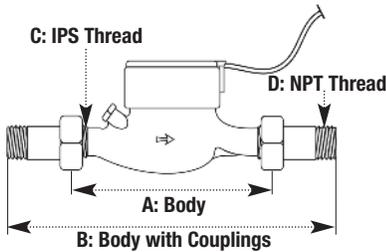
The Eco Brass water meter doesn't require power and utilizes a reed switch that provides a pulsing dry contact signal. It is certified with the Water Quality Association under NSF/ANSI-372 (low lead).

The meter is sold separately for selecting products individually according to the application, such as the proportional feed installation.



Proportional Feed Installation

Shipping Weight & Dimensions



SIZE	Shipping Weight	Dimensions			
		A	B	C	D
2"	15 Lbs (6.4 kg)	15.25" (38.7 cm)	20.75" (52.7 cm)	2.5"	2"

Eco Brass Meters

ITEM NUMBER	UM	DESCRIPTION
MNLR20-1PPG	EA	2", 1 pulse/gallon
MNLR20-2PPG	EA	2", 2 pulses/gallon
MNLR20-4PPG	EA	2", 4 pulses/gallon

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



Eco Brass Water Meter

Flow Rates*

Size	Flow Rate gpm	Pulses per Gallon	Gallons per Pulse	Flow Range gpm
2"	1.98 to 132	4 2 1	1 5 10 50 100	2-160

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

Specifications

Accuracy ±1.5%

Maximum Operating Temperature 122°F (50°C)

Maximum Operating Pressure 150 psi (10.3 bar)

Maximum Current 20mA

Maximum Voltage 24VDC or VAC

Sensor Reed Switch

Cable Length 6 ft (2 m) standard

Materials Of Construction

Body Cast bronze

Internal Engineered thermoplastic

Magnet Alnico

TANK SYSTEM



7.5-Gallon (28.4 Liters)



15-Gallon (56.8 Liters)



30-Gallon (113.6 Liters)

Materials Of Construction

Tank Polyethylene, approved to NSF/ANSI 61

Lid with child resistant lock Polypropylene

Grommets Viton

Screws Stainless steel

Agency Listings



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 gray.

Features

- Shipped pre-assembled for easy installation and convenience
- Includes rain roof to help protect motor (Classic series only)
- Vertically mounted for solution containment
- Child resistant lid
- Polyethylene construction is lightweight and rugged
- UV resistant gray or translucent white

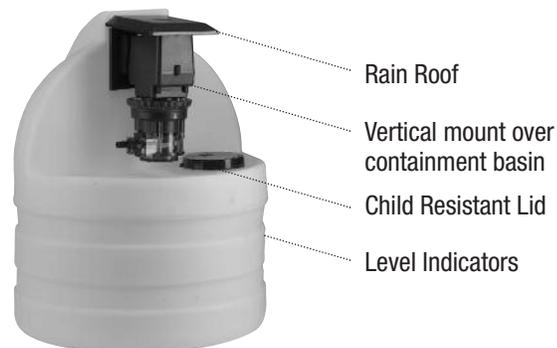
Shipping Weight and Box Dimensions

Tank Size	Shipping Weight			Box Dimensions
	Classic Adjustable or M128	Classic Fixed	Econ	
7.5-Gallon	24 lbs (10.9 kg)	23 lbs (10.4 kg)	19 lbs (8.6 kg)	23 x 23 x 20 in. (58 x 58 x 50 cm)
15-Gallon	27 lbs (12.3 kg)	26 lbs (11.8 kg)	22 lbs (10.0 kg)	23 x 23 x 26 in. (58 x 58 x 66 cm)
30-Gallon	34 lbs. (15.4 kg)	32 lbs (14.5 kg)	28 lbs (12.7 kg)	23 x 23 x 38 in. (58 x 58 x 96 cm)

NOTE: Build a tank system item number on pages 4-5, 13, 16, 19, 21, 24, 26.

Product Dimensions

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



Tank system with Classic Series single head adjustable pump

TANKS



7.5-Gallon (28.4 Liters)



15-Gallon (56.8 Liters)



30-Gallon (113.6 Liters)

Materials Of Construction

Tank Polyethylene, approved to NSF/ANSI 61

Lid with child resistant lock Polypropylene

Grommets Viton

Screws Stainless steel

Agency Listings



Colors

- UV resistant gray
- Translucent white

Shipping Weight and Box Dimensions

Tank Size	Shipping Weight	Box Dimension
7.5-Gallon	15 lbs (6.8 kg)	23 x 23 x 20 in. (58 x 58 x 50 cm)
15-Gallon	18 lbs. (8.2 kg)	23 x 23 x 26 in. (58 x 58 x 66 cm)
30-Gallon	24 lbs (10.9 kg)	23 x 23 x 38 in. (58 x 58 x 96 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 For Classic Single Head (45, 85) or Econ* Pumps

Includes screws and grommets

ITEM NUMBER	UM	DESCRIPTION
STS7GC	EA	7.5-Gallon Gray
STS7NC	EA	7.5-Gallon White
STS15GC	EA	15-Gallon Gray
STS15NC	EA	15-Gallon White
STS30GC	EA	30-Gallon Gray
STS30NC	EA	30-Gallon White

* Econ Mounting Kit **EC303** required and sold separately on page 46.

Tanks For SVP Series Pumps

Includes screws, grommets and pump mounting kit

ITEM NUMBER	UM	DESCRIPTION
STS7G-02	EA	7.5-Gallon Gray
STS7N-02	EA	7.5-Gallon White
STS15G-02	EA	15-Gallon Gray
STS15N-02	EA	15-Gallon White
STS30G-02	EA	30-Gallon Gray
STS30N-02	EA	30-Gallon White

MIXER



Specifications

Maximum Operating Temperature

125°F (52°C)

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

Motor rpm Approximately 3600

Duty Cycle Continuous

Motor Voltage (Amp Draw)

120V 60Hz 1PH (1.7)

220V 60Hz 1PH (0.9)

Power Cord Type SJTOW

Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/15

Materials Of Construction

Motor Housing Polycarbonate

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

All Fasteners Stainless steel

The Mixer is utilized in applications when injecting solutions that are 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.

The patent pending 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.

Shipping Weight

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

Box Dimensions

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

Mixer Models

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

FLOW SWITCH



PVC Flow Switch



Copper Flow Switch

Specifications

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

Pressure Rating Maximum 145 psi*

Medium Temperature/Ambient Temperature

Maximum +212°F (+100°C)/

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.

Stenner offers a dry contact flow switch compatible with the Econ FP pump for either a PVC tee or copper pipe installation

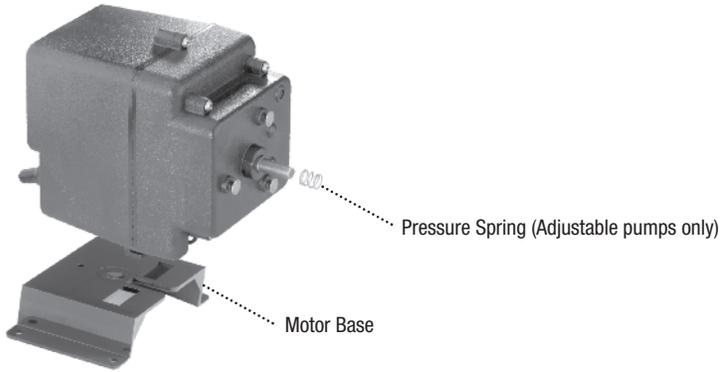
The flow switch for PVC or copper are both a two wire, paddle style with glass fiber reinforced plastic construction. The design uses a magnetic force to reset the paddle so spring fatigue is eliminated. A separate wiring harness is supplied with the Econ FP pump for an easy connection to the dry contact flow switch.

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.

In residential or light commercial applications, water treatment professionals can use a metering pump activated by a flow switch for disinfection, oxidation or pH adjustment. Stenner's compact Econ FP peristaltic metering pump is designed to interface with a two wire flow switch that accepts a dry contact.

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

CLASSIC SERIES MOTORS



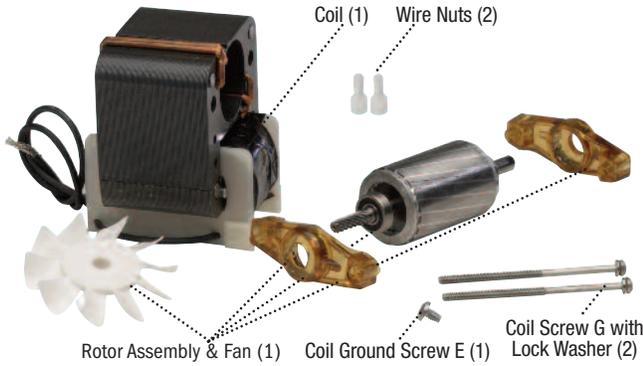
MOTOR 60Hz

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

MOTOR 50Hz *INTERNATIONAL*

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

CLASSIC SERIES MOTOR SERVICE KITS



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

CLASSIC SERIES GEAR CASE SERVICE KITS



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

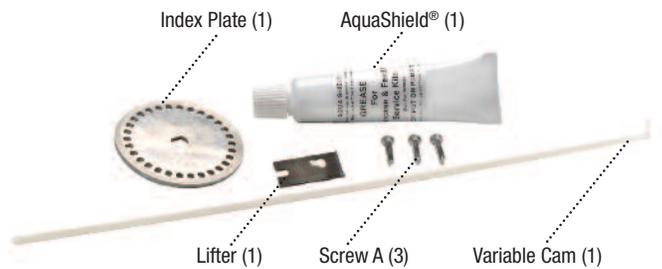
CLASSIC SERIES FEED RATE CONTROL



Feed Rate Control with Shaft

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

CLASSIC SERIES FEED RATE CONTROL SERVICE KIT



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

CLASSIC SERIES MOTOR PARTS

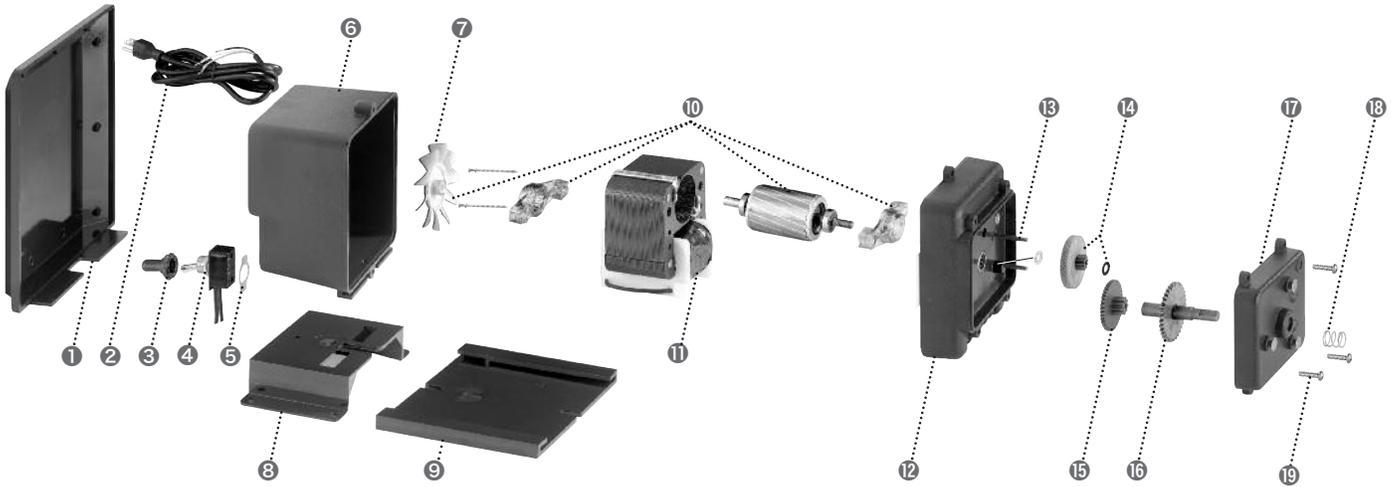


DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
①	MP90000	EA	Rain Roof	All Classic Pumps
Not shown	MP90001	EA	Pump Cover	Adjustable 45 & 85
Not shown	MP90002	KIT	Pump Cover & Rain Roof	Adjustable 45 & 85
②	MP6B010	EA	Power Cord 120V	All Classic Pumps
	MP6B020	EA	Power Cord 220V	
③	MP6C000	EA	Switch Boot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

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

CLASSIC SERIES FEED RATE CONTROL PARTS

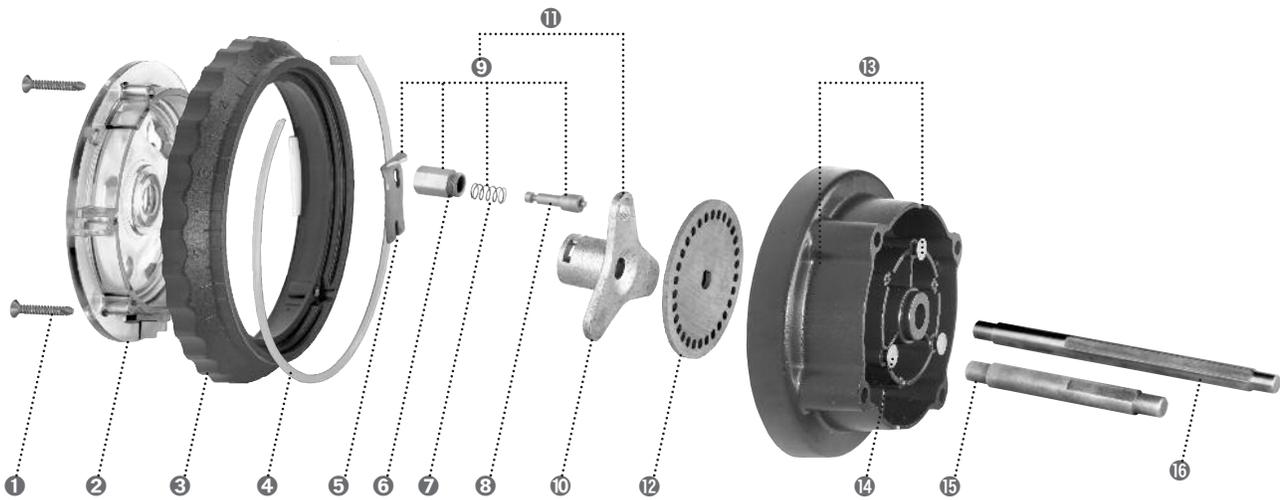


DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
①	FCS000A	EA	FRC Screw A	Adjustable 45, 85, 100 & 170
②	FC5N000	EA	Feed Rate Mounting Plate	
③	FC5M040	EA	Dial Ring	
④	UCFC5H0 MCFC5H0	2-PK 5-PK	Variable Cam	
⑤	UCFC5L1 MCFC5L1	2-PK 5-PK	Index Pin Lifter	
⑥	FC5L003	EA	Index Pin Holder	
⑦	FC5L005	EA	Index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

QuickPro® PUMP HEADS

The Classic, SVP and M128 series are manufactured with the patented QuickPro® pump head. A pump with the QuickPro® can be recognized by the latches on the pump head instead of screws. The pump head also features a collapsible roller assembly for fast tube replacement without tools.

QuickPro® PUMP HEAD



0-25 psi (0-1.7 bar)

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

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

26-100 psi (1.8-6.9 bar)

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

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

INNERMOST QuickPro® PUMP HEAD For Classic Double Head Pumps (100 & 170)



0-25 psi (0-1.7 bar)

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

PART NUMBER	UM	DESCRIPTION	Works with
QPA25-1	EA	Santoprene® tube	Classic 100 & 170 only
QPA25-2	2-PK	select # 1, 2, 3, 4 or 5 for ■	
EUROPE	QPA17-1	EA	Classic 100 & 170 only
	QPA17-2	2-PK	

26-100 psi (1.8-6.9 bar)

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

PART NUMBER	UM	DESCRIPTION	Works with
QPA10-1	EA	Santoprene® tube	Classic 100 & 170 only
QPA10-2	2-PK	select # 1 or 2 for ■	
EUROPE	QPA69-1	EA	Classic 100 & 170 only
	QPA69-2	2-PK	

INNERMOST QuickPro® PUMP HEAD PARTS

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

PUMP TUBE** PRESSURE RATING

0-25 psi (0-1.7 bar): # 1, 2, 3, 4, 5

26-100 psi (1.8-6.9 bar): # 1, 2, 7 check valve required

** Refer to output chart to match tube & pump model.

* Confirm material compatibility by referring to the chemical resistance guide in the catalog or on the website. Santoprene® is beige; Versilon™ and Pellathane® are clear; FKM is black.

QuickPro® PUMP HEAD PARTS

QuickPro® PUMP HEAD PARTS

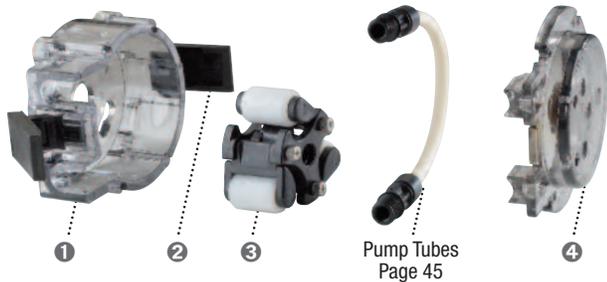


DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
1	QP400-1 QP400-2	EA 2-PK	QP Tube Housing with Latches	Classic / SVP / M128
2	QP401-2	2-PK	QP Latches	
3	QP500-1 QP500-4	EA 4-PK	QP Roller Assembly	
	QP501-3	EA	QP Roller Arm Assembly includes arms, bushings, rollers, screws	
4	QP100-1 QP100-4	EA 4-PK	QP Tube Housing Cover with Bushing	

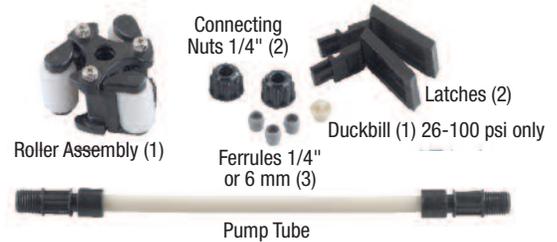
PUMP TUBE* PRESSURE RATING

0-25 psi (0-1.7 bar): # 1, 2, 3, 4, 5

26-100 psi (1.8-6.9 bar): # 1, 2, 7 check valve required

* Refer to output chart to match tube & pump model.

QuickPro® PUMP HEAD SERVICE KITS



0-25 psi (0-1.7 bar)

Kits include parts pictured

PART NUMBER	UM	DESCRIPTION	Works with
QP25█K	KIT	Santoprene®** tube select # 1, 2, 3 or 4 for █	Classic / SVP
QP255K	KIT	#5 Santoprene®** tube	Classic / SVP / M128 (M05 only)
QP25T█K	KIT	Versilon™*** tube select # 1, 2, 3, 4 or 5 for █	Classic / SVP
EUROPE QP17█K	KIT	Santoprene®** tube select # 1, 2, 3, 4 or 5 for █	Classic / SVP
EUROPE QP17T█K	KIT	Versilon™*** tube select # 1, 2, 3, 4 or 5 for █	

26-100 psi (1.8-6.9 bar)

Kits include parts pictured

PART NUMBER	UM	DESCRIPTION	Works with
QP10█K	KIT	Santoprene®** tube select # 1 or 2 for █	Classic / SVP
QP107K	KIT	#7 Santoprene®** tube	Classic (45 & 85 only) / SVP / M128 (M07 only)
QP10T█K	KIT	Versilon™*** tube select # 1 or 2 for █	Classic / SVP
EUROPE QP69█K	KIT	Santoprene®** tube select # 1 or 2 for █	Classic (45 & 85 only) / SVP
EUROPE QP697K	KIT	#7 Santoprene®** tube	
EUROPE QP69T█K	KIT	Versilon™*** tube select # 1 or 2 for █	

** Confirm material compatibility by referring to the chemical resistance guide in the catalog or on the website. Santoprene® is beige; Versilon™ and Pellathane® are clear; FKM is black.

NON-QuickPro PUMP HEAD PARTS

• Pumps with non-QuickPro pump head: Serial number prefix begins with the date 042911 and prior.

PUMP HEAD PARTS

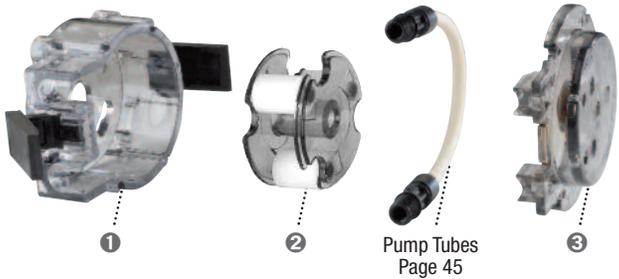
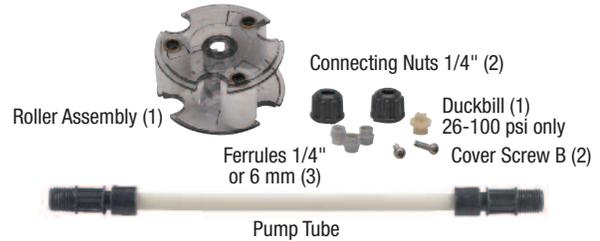


DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with
①	QP400-1 QP400-2	EA 2-PK	UNIVERSAL QP Tube Housing with Latches	Classic / SVP / M128
②	UC3ASYD MC3ASYD	EA 4-PK	Roller Assembly	
③	QP100-1 QP100-4	EA 4-PK	UNIVERSAL QP Tube Housing Cover with Bushing	
Not shown	UCCPSOB MCCPSOB	10-PK 24-PK	Cover Screw B (not needed if using QP Tube Housing with Latches & QP Tube Housing Cover)	

PUMP HEAD SERVICE KITS

#7 tube for Classic single head, SVP and M128 pumps only



0-25 psi (0-1.7 bar)

PART NUMBER	UM	DESCRIPTION	Works with
PSKLO	KIT	Santoprene [®] tube # 1, 2, 3 or 4 for ■	Classic / SVP
PSKL05	KIT	#5 Santoprene [®] tube	Classic / SVP / M128 (M05 only)
PSKLT	KIT	Versilon [™] tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP
EUROPE	PSKL ■ CE	Santoprene [®] tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP
	PSKLT ■ CE	Versilon [™] tube select # 1, 2, 3, 4 or 5 for ■	Classic / SVP

26-100 psi (1.8-6.9 bar)

PART NUMBER	UM	DESCRIPTION	Works with
PSKH0	KIT	Santoprene [®] tube select # 1 or 2 for ■	Classic / SVP
PSKH07	KIT	#7 Santoprene [®] tube	Classic (45 & 85 only) / SVP / M128 (M07 only)
PSKHT	KIT	Versilon [™] tube select # 1 or 2 for ■	Classic / SVP
EUROPE	PSKH ■ CE	Santoprene [®] tube select # 1 or 2 for ■	Classic / SVP
	PSKH7CE	#7 Santoprene [®] tube	Classic (45 & 85 only) / SVP
	PSKHT ■ CE	Versilon [™] tube select # 1 or 2 for ■	Classic / SVP

PUMP TUBE PRESSURE RATING

0-25 psi (0-1.7 bar): # 1, 2, 3, 4, 5

26-100 psi (1.8-6.9 bar): # 1, 2, 7 check valve required

* Refer to output chart to match tube & pump model.

** Confirm material compatibility by referring to the chemical resistance guide in the catalog or on the website. Santoprene[®] is beige; Versilon[™] and Pellathane[®] are clear; FKM is black.

PUMP TUBES



Santoprene® Pump Tubes # 1, 2, 3, 4, 5 & 7

PUMP TUBE* PRESSURE RATING

0-25 psi (0-1.7 bar): # 1, 2, 3, 4, 5

26-100 psi (1.8-6.9 bar): # 1, 2, 7 check valve required

* Refer to output chart to match tube & pump model.

Econ pump tubes on page 47.

Includes ferrules 1/4" (EUROPE 6 mm)

PART NUMBER	UM	DESCRIPTION	Works with
UCCP20	2-PK	Santoprene® tube	Classic (#7 for 45 & 85 only) / SVP / M128 (#5 for M05 / #7 for M07)
MCCP20	5-PK	select # 1, 2, 3, 4, 5 or 7 for ■	
UCTYGO	2-PK	Versilon™ tube	Classic / SVP
MCTYGO	5-PK	select # 1, 2, 3, 4 or 5 for ■	
EUROPE	UCCP2 CE	2-PK	Classic / SVP
	MCCP2 CE	5-PK	
	UCTY CE	2-PK	Classic / SVP
MCTY CE	5-PK	select # 1, 2, 3, 4 or 5 for ■	

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

PART NUMBER	UM	DESCRIPTION	Works with
UCCP FD	2-PK	Santoprene® tube select # 1, 2 or 7 for ■	Classic (#7 for 45 & 85 only) / SVP / M128 (#7 for M07 only)
UCTY FD	2-PK	Versilon™ tube select # 1 or 2 for ■	
EUROPE	UC FDCE	2-PK	Classic (#7 for 45 & 85 only) / SVP
	UCTY DCE	2-PK	

** Confirm material compatibility by referring to the chemical resistance guide in the catalog or on the website. Santoprene® is beige; Versilon™ and Pellathane® are clear; FKM is black.

ECON SERIES MOTOR PARTS

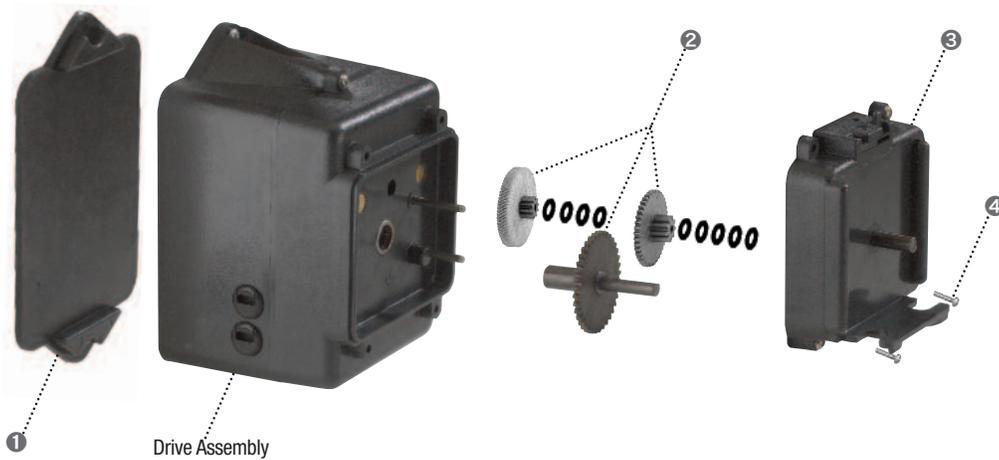


DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with Econ Pumps
①	EC302	EA	Drive Assembly Pad	FP / T / Stennicator / Integrator™ / LD
Not shown	EC300	EA	DC Motor, brushed with leads	T (E10 only)
Not shown	EC307	EA	DC Motor, brushed with leads	T (E20 only)
Not shown	EC301	EA	DC Motor, brushless	FP / Stennicator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



Mounting Kit

Stand

Optional Mounting Accessories

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

ECON SERIES PUMP HEAD PARTS

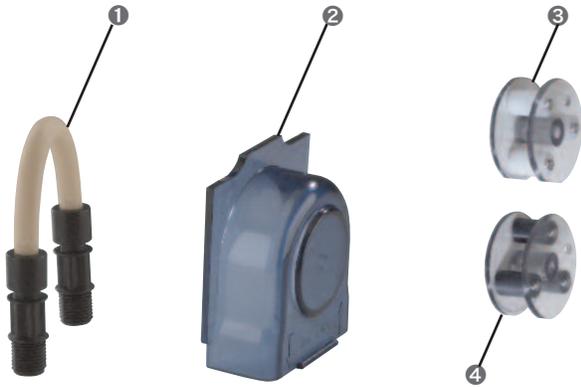


DIAGRAM	PART NUMBER	UM	DESCRIPTION	Works with Econ Pumps
①	EC30A-2	2-PK	Pump Tube A, Ferrules 1/4"	T
	EC30B-2	2-PK	Pump Tube B, Ferrules 1/4"	T
	EC30C-2	2-PK	Pump Tube C, Ferrules 1/4"	T
	EC30F-2	2-PK	Pump Tube F, Ferrules 1/4"	FP / T / Integrator™ / LD
	EC30G-2	2-PK	Pump Tube G, Ferrules 1/4"	FP / T / Integrator™
	EC30H-2	2-PK	Pump Tube H, Ferrules 1/4"	FP / Stennicator / Integrator™ / T
	EC30M-2	2-PK	Pump Tube M, Ferrules 1/4"	LD
②	EC355	EA	Pump Head Cover	All Econ Pumps
③	EC350	EA	White Roller Assembly	<i>See chart below for model, tube and roller assembly combination</i>
④	EC351	EA	Black Roller Assembly	

NOTE: For check valves, injection parts, suction/discharge tubing and miscellaneous parts reference pages 48-50.

ECON PUMP TUBE GUIDE

Pressure	Econ Series	Tube/Roller Assembly
25 psi (1.7 bar)	Econ T	A/White B/White C/White
80 psi (5.5 bar) check valve required	Econ FP, Econ Integrator™, Econ T	F/White G/Black
	Econ FP, Econ Integrator™, Econ T, Stennicator	H/Black
	Econ LD	F/White M/White

Refer to output chart to match tube & pump model.

CHECK VALVES



Injection Check Valve 1/4"



Injection Check Valve 3/8"

26-100 psi (1.8-6.9 bar)

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

INJECTION FITTINGS



Injection Fitting with Nut & Ferrule 1/4"

0-25 psi (0-1.7 bar)

PART NUMBER	UM	DESCRIPTION	Works with
UCAK300	EA	Injection Fitting with Nut &	All Pumps
MCAK300	5-PK	Ferrule 1/4"	
UCAK3CE	KIT	Injection Fitting with Nut &	Classic / SVP
		Ferrule 6 mm	

CHECK VALVE PARTS



Injection Fitting



Santoprene® Duckbill



Santoprene® O-Ring



Pellathane® Duckbill



FKM® Duckbill



FKM O-Ring

26-100 psi (1.8-6.9 bar)

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

* Confirm material compatibility by referring to the chemical resistance guide in the catalog or on the website. Santoprene® is beige; Versilon™ and Pellathane® are clear; FKM is black.

MISCELLANEOUS PARTS



Connecting Nut 1/4"



Connecting Nut 3/8"



Connecting Nut 3/8"
with Adapter



Ferrule 1/4"



Weighted Suction
Line Strainer



AquaShield®



Flow Indicator
with Bracket



Filter Assembly

PART NUMBER	UM	DESCRIPTION	Works with	
UCAK100	10-PK	Connecting Nut 1/4"	All Pumps	
MCAK100	24-PK			
MANUT00	EA	Connecting Nut 3/8"	Classic / SVP	
UCADPTR	2-PK	Connecting Nut 3/8"	Classic / SVP	
MCADPTR	5-PK	with Adapter		
UCAK200	10-PK	Ferrule 1/4"	All Pumps	
MCAK200	24-PK			
ST114	EA	Weighted Suction Line Strainer 1/4"	All Pumps	
ST138	EA	Weighted Suction Line Strainer 3/8"	Classic / SVP	
MAGCSGR	EA	AquaShield® 8 oz. Tube size discontinued 6/1/15	All Pumps	
MAGRE55	EA	AquaShield® 5.5 oz. Tube	All Pumps	
AK600	EA	Flow Indicator 1/4" with Bracket	All Pumps	
AK700	EA	Flow Indicator 3/8" with Bracket	Classic / SVP	
AK900	EA	Flow Indicator Bracket	Flow Indicator	
P2000	EA	Filter Assembly	Prop. Inj. Sys.	
EUROPE	MCAK2CE	24-PK	Ferrule 6 mm	Classic / SVP
	ST114	EA	Weighted Suction Line Strainer 6 mm	Classic / SVP
	AK800	EA	Flow Indicator 6 mm with Bracket	Classic / SVP

SUCTION/DISCHARGE TUBING



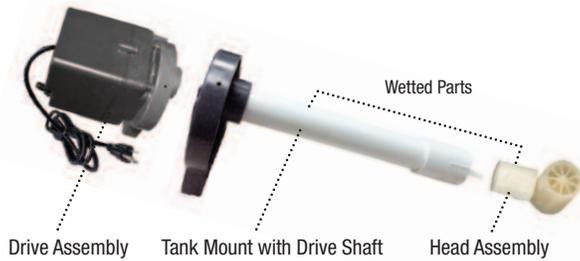
1/4" White



3/8" UV Black

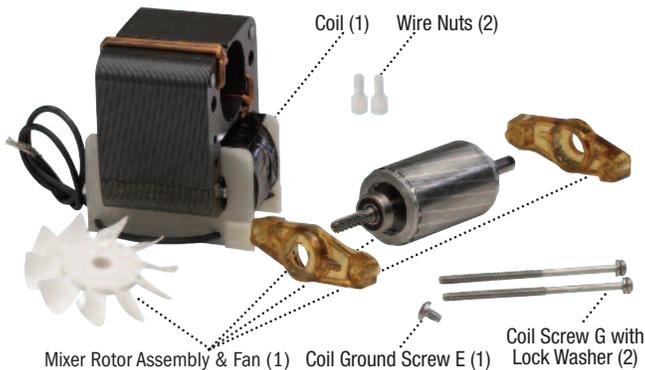
PART NUMBER	UM	DESCRIPTION	Works with	
AK4002B	ROLL	1/4" x 20' UV Black	All Pumps	
AK4002W	ROLL	1/4" x 20' White		
AK4010B	ROLL	1/4" x 100' UV Black		
AK4010W	ROLL	1/4" x 100' White		
AK4100B	ROLL	1/4" x 1000' UV Black		
AK4100W	ROLL	1/4" x 1000' White		
MALT02B	ROLL	3/8" x 20' UV Black	Classic / SVP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

MIXER PARTS



Drive Assembly

PART NUMBER	UM	DESCRIPTION
MXAD	EA	120V 60Hz
MXBD	EA	220V 60Hz



Drive Assembly Service Kit

PART NUMBER	UM	DESCRIPTION
MX120	KIT	120V 60Hz
MX220	KIT	220V 60Hz

Tank Mount with Drive Shaft

PART NUMBER	UM	DESCRIPTION
MX75M	EA	For 7.5-Gallon tank
MX15M	EA	For 15-Gallon tank
MX30M	EA	For 30-Gallon tank

Head Assembly

PART NUMBER	UM	DESCRIPTION
MX100	EA	For all mixers

WATER METER PARTS

PART NUMBER	UM	DESCRIPTION	Works with
JLP38009P	2-PK	3/4" Plastic couplings with gaskets	3/4" plastic meter
JLP38012P	2-PK	1" Plastic couplings with gaskets	1" plastic meter
JLP38007R	2-PK	1/8" Rubber gaskets for 3/4"	3/4" plastic meter
JLP38012R	2-PK	1/8" Rubber Gaskets for 1"	1" plastic meter
JLP32RS	EA	Reed switch, single for 1 ppg or 10 ppg with screw	3/4," 1", 1.5" plastic meter
JLP34RS	EA	Reed switch, dual 2 ppg with screw	2 ppg or 4 ppg meters

CHEMICAL RESISTANCE GUIDE

Ratings Key – Chemical Effect

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



CAUTION

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

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

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

Chemical / Solution	PP/Santoprene®	Versilon™	PVC	LDPE	FKM
Hydrofluoric Acid 48-75%	A	C	C	C	A
Hydrofluoric Acid, anhydrous	B	C	C	C	C
Hydrogen Peroxide < 50%	A	B	A	B	A
Hydrogen Sulfide	A	A	B	A	C
Iodine	A	A	C	B	A
Lactic Acid	A	B	B	A	A
Lead Acetate	B	A	A	A	C
Linseed Oil	B	A	A	A	A
Limonene	C	B	B	B	*
Lubricating Oils	C	A	B	C	A
Magnesium Chloride	A	A	B	A	A
Magnesium Hydroxide	A	A	A	A	A
Magnesium Sulfate	A	A	A	A	A
Malic Acid	A	B	A	A	A
Manganese Salts	A	A	A	A	*
Mercuric Chloride	A	A	A	A	A
Methylene Chloride	C	C	C	C	B
Mineral Oil	B	A	B	B	A
Mineral Spirits	C	A	B	B	A
Muriatic Acid, 20° Baume	A	C	A	A	A
Nitric Acid < 10%	A	C	A	B	A
Nitric Acid 10-30%	B	C	A	C	A
Nitric Acid 30-60%	C	C	B	C	A
Nitric Acid 70%	C	C	B	C	A
Nitric Acid, red fuming	C	C	C	C	C
Nitrous Acid	A	B	*	*	B
Oleic Acid	A	B	C	C	B
Oleum 20-25%	C	C	C	C	*
Oxalic Acid	A	C	B	A	A
Palmitic Acid	A	B	B	A	A
Petroleum Distillates	C	B	B	C	*
Phenol	B	C	C	B	A
Phosphoric Acid	A	C	A	A	A
Phthalic Acid	A	C	A	A	A
Pickling Solutions	A	C	*	*	B
Plating Solutions	A	C	*	*	A
Polyphosphate	A	A	A	A	*
Potassium Carbonate	A	A	A	A	A
Potassium Chlorate	A	A	A	A	A
Potassium Hydroxide	A	A	A	A	C
Potassium Dichromate	A	A	A	A	A
Potassium Iodide	A	A	B	B	A

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

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

POLICIES

Limited Warranty

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

Returns

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

Problem with Shipment

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

Pump Service & Repairs

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

Disclaimer

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

Trademarks

Santoprene® is a registered trademark of Exxon Mobil Corporation.
Versilon™ is a registered trademark of Saint-Gobain Performance Plastics.
Pellathane® is a registered trademark of The Dow Company.
AquaShield® is a registered trademark of D.A. Stuart.

* Refer to chemical resistance guide for compatibility.

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DM6081D	38	JLP38012P	50	ME6041D	38	PM6082D	38	QP50A-1	42	UCCVDB0	48
DM6082D	38	JLP38007R	50	ME6042D	38	PM6A0BL	40	QP69-1	42	UCDBINJ	48
DM6Q0LD	40	JLP38012R	50	ME6081D	38	PM6A00L	40	QP69-K	43	UCFC5AD	41
EC300	46	JLP32RS	50	ME6082D	38	PM6E000	40	QP69T-1	42	UCFC5AY	41
EC301	46	JLP34RS	50	ME6Q0LD	40	PM6F000	40	QP69T-K	43	UCFC5H0	41
EC302	46	MAGCSGR	49	MP6B010	40	PM6K0BL	40	QPA10-1	42	UCFC5ID	41
EC303	46	MALT002	49	MP6B020	40	PM6M000	40	QPA10-2	42	UCFC5L1	41
EC304	46	MALT010	49	MP6C000	40	PM6R0BL	40	QPA17-1	42	UCKMDB0	48
EC30-2	47	MALT02B	49	MP6D000	40	PMBRPL2	40	QPA17-2	42	UCKMINJ	48
EC307	46	MALT100	49	MP6J115	40	PSKH0	44	QPA25-1	42	UCKMJCE	48
EC310	46	MALT10B	49	MP6J226	40	PSKHT	44	QPA25-2	42	UCKMI38	48
EC320	46	MALTB10	50	MP6N040	40	PSKLO	44	QPA69-1	42	UCINJ38	48
EC350	47	MANUT00	49	MP6N080	40	PSKLT	44	QPA69-2	42	UCTY-FD	45
EC351	47	MC3ASYD	44	MP6O040	40	QP10-1	42	ST114	49	UCTYDB2	48
EC355	47	MCADPTR	49	MP6O080	40	QP10-K	43	ST138	49	UCTYGO	45
EC500	37	MCAK100	49	MP6Q00D	40	QP100-1	43, 44	STS7GC	35	UCTYIJ38	48
EC50C	37	MCAK200	49	MP6T000	40	QP100-4	43, 44	STS7NC	35	UCTYINJ	48
EC501	37	MCAK300	48	MP70000	40	QP10A-1	42	STS15GC	35		



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