

CLASSIC

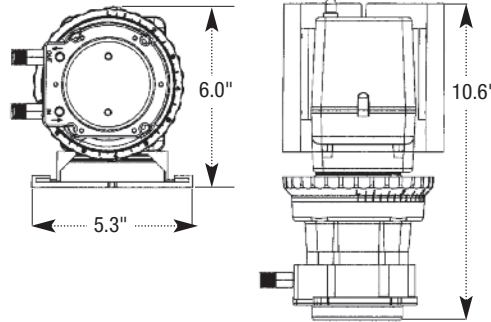
SINGLE HEAD ADJUSTABLE & FIXED OUTPUT PUMPS

The Classic Series metering pumps are a mechanical design, available in adjustable or fixed outputs. Typical installations include wired to a well pump pressure switch, activated by a water meter for proportional feed or with a controller.

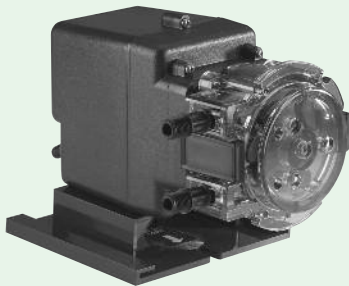


SINGLE HEAD ADJUSTABLE

The Classic Series single head adjustable metering pump is built with three detachable components; the motor, feed rate control, and the pump head. The output is determined by three factors; the rpm of the motor gears, the percentage setting on the feed rate control, and the size of the pump tube. The motor shaft rotates at a fixed rpm, which drives the feed rate control to intermittently engage the roller assembly within the pump head according to the setting on the external dial ring. The dial ring is labeled L to 10 and has a 20:1 turndown.

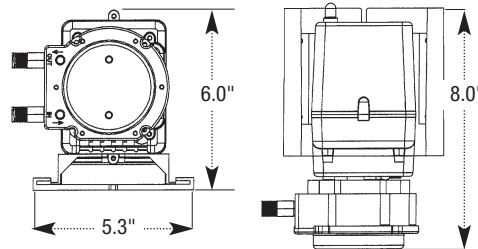


Shipping Weight 9 lbs (4 kg)
Box Dimensions 13 x 8 x 9 in. (33.0 x 20.4 x 22.9 cm)



SINGLE HEAD FIXED OUTPUT

The Classic Series single head fixed output metering pump is built with two detachable components; the motor and the pump head. The fixed rate pump does not have an output adjustment. The output is determined by the rpm of the motor gears and the size of the pump tube. The motor's output shaft rotates at a fixed rpm which drives the roller assembly within the pump head.



Shipping Weight 8 lbs (3.6 kg)
Box Dimensions 13 x 8 x 9 in. (33.0 x 20.4 x 22.9 cm)

Tank Systems are also available shipped pre-assembled for quick installations, refer to page 26.



The Classic Series Single Head Pumps are categorized into two sub-series, the 45 and 85.

45 SERIES

0.2 to 22.0 gpd up to 100 psi
0.2 to 50.0 gpd up to 25 psi

- 26 rpm
- Adjustable output 5%-100%, 2.5% increments
- 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
- Adjustable output 5%-100%, 2.5% increments
- Fixed output

The following pages display charts with pump output detail and are arranged by pressure rating.

Features

- 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 interchange between models

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

Maximum Operating Temperature 125° F (52° C)

Maximum Suction Lift

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

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

Duty Cycle Continuous

Motor Voltage (Amp Draw)

120V 60Hz 1PH (1.7)

220V 60Hz 1PH (0.9)

230V 50Hz 1PH (0.9) *INTERNATIONAL*

250V 50Hz 1PH (0.9) *INTERNATIONAL*

Power Cord Type SJTOW

Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/15

230V 50Hz CEE 7/VII

250V 50Hz CEE 7/VII

MATERIALS OF CONSTRUCTION

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, optional Tygothane®** #1, #2 & #5 tubes, FDA approved

CV Duckbill with Tygothane® 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

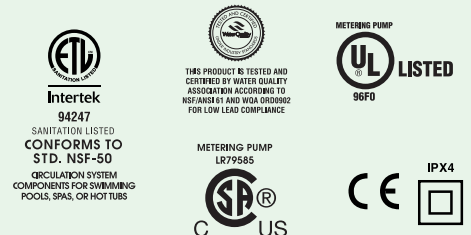
Suction Line Strainer PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

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)
- Adjustable models tested by ETL to conform to ANSI/NSF STD 50 (Santoprene® only)
- Listings vary by model



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

** Tygothane® is a registered trademark of Saint-Gobain Performance Plastics.

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

CLASSIC

SINGLE HEAD ADJUSTABLE OUTPUT PUMP 0-25 psi (0-1.7 bar)

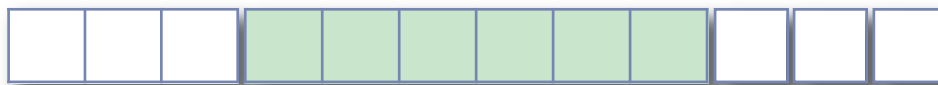


OUTPUT

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			

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



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

Leave blank 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 27.

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** Tygothane® (#1, 2 & 5 only)

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

CLASSIC

SINGLE HEAD ADJUSTABLE OUTPUT PUMP 26-100 psi (1.8-6.9 bar)



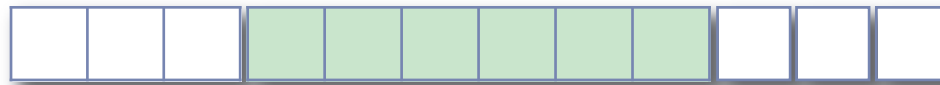
OUTPUT

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			

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

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



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

Leave blank 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 27.

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** Tygothane® (#1 & 2 only)

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

Example



Pump Item Number: 85MJH2A1S

- 85MHP17 Pump
- 120V 60Hz
- 1/4" White Suction & Discharge Tubing
- Santoprene® Tube

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SINGLE HEAD FIXED OUTPUT PUMP

0-25 psi (0-1.7 bar)

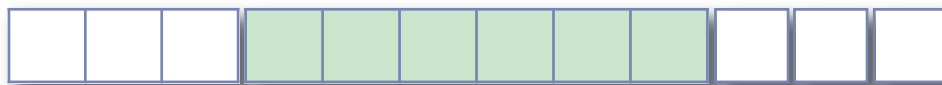


OUTPUT

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 Output @ 60Hz									Approximate Output @ 50Hz			

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



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

Leave blank 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 27.

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.

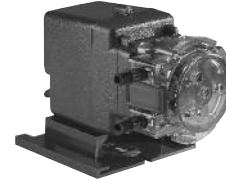
Tube Material

- S** Santoprene®
- T** Tygothane® (#1, 2 & 5 only)

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

CLASSIC

SINGLE HEAD FIXED OUTPUT PUMP 26-100 psi (1.8-6.9 bar)



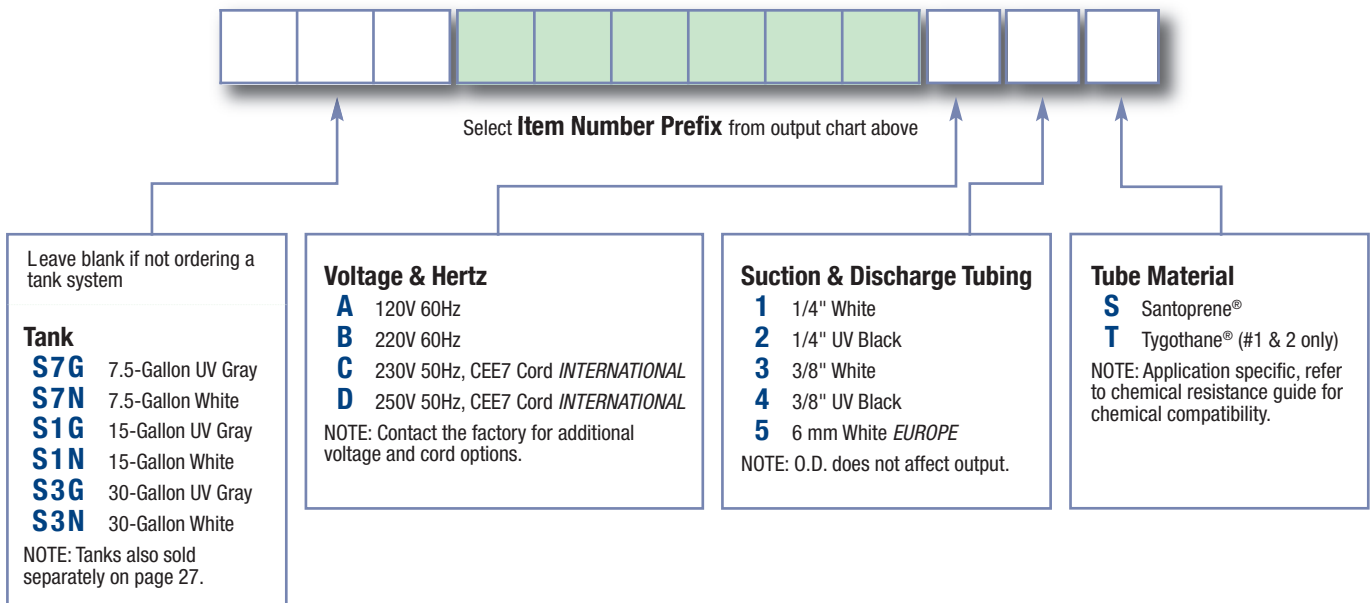
OUTPUT

	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 Output @ 60Hz										Approximate Output @ 50Hz		

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

NOTICE: The information within 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



Example



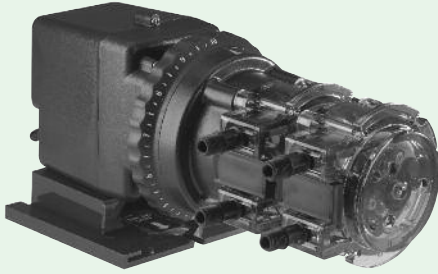
Pump Item Number: 45MFH7B4S

- 45MPHP22 Pump
- 220V 60Hz
- 3/8" UV Black Suction & Discharge Tubing
- Santoprene® Tube

CLASSIC

DOUBLE HEAD ADJUSTABLE AND FIXED OUTPUT PUMPS

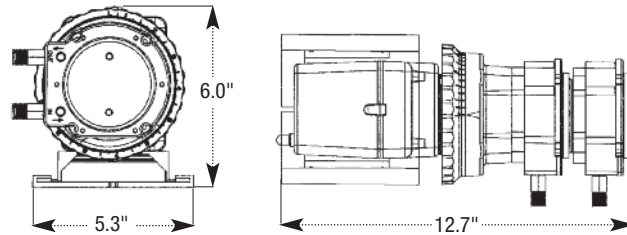
The Classic Series metering pumps are a mechanical design, available in adjustable or fixed outputs. Typical installations include wired to a well pump pressure switch, activated by a water meter for proportional feed or with a controller.



DOUBLE HEAD ADJUSTABLE

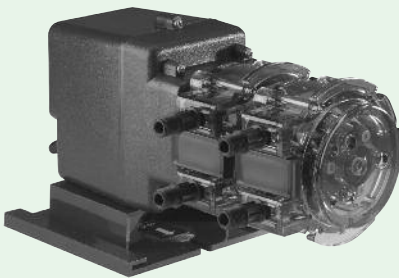
The Classic Series double head adjustable metering pump is built with four detachable components; the motor, feed rate control, and two pump heads. The output is determined by three factors; the rpm of the motor gears, the percentage setting on the feed rate control, and the size of the pump tubes in both heads.

The motor shaft rotates at a fixed rpm, which drives the feed rate control to intermittently engage the roller assembly within the pump head according to the setting on the external dial ring. The dial ring is labeled L to 10 and has a 20:1 turndown.



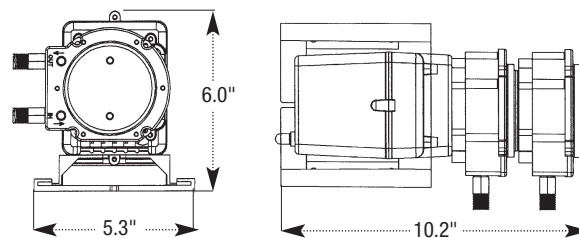
Shipping Weight 10 lbs (4.5 kg)

Box Dimensions 17 x 8 x 9 in. (43.2 x 20.4 x 22.9 cm)



DOUBLE HEAD FIXED OUTPUT

The Classic Series double head fixed output metering pump is built with three detachable components; the motor and two pump heads. The fixed rate pump does not have an output adjustment. The output is determined by the rpm of the motor gears and the size of the pump tubes in both heads. The motor's output shaft rotates at a fixed rpm which drives the roller assembly within the pump head.



Shipping Weight 9 lbs (4 kg)

Box Dimensions 17 x 8 x 9 in. (43.2 x 20.4 x 22.9 cm)

The Classic Series Double Head Pumps are categorized into two sub-series, the 100 and 170.

100 SERIES

0.3 to 20.0 gpd up to 100 psi

0.3 to 100.0 gpd up to 25 psi

- 26 rpm
- Adjustable output 5%-100%, 2.5% increments
- 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
- Adjustable output 5%-100%, 2.5% increments
- Fixed output

The following pages display charts with pump output detail and are arranged by pressure rating.

Features

- 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 interchange between models

Accessory Kit Shipped With Each Pump

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

SPECIFICATIONS

Maximum Operating Temperature 125° F (52° C)

Maximum Suction Lift

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

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

Duty Cycle Continuous

Motor Voltage (Amp Draw)

120V 60Hz 1PH (1.7)

220V 60Hz 1PH (0.9)

230V 50Hz 1PH (0.9) *INTERNATIONAL*

250V 50Hz 1PH (0.9) *INTERNATIONAL*

Power Cord Type SJTOW

Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/15

230V 50Hz CEE 7/VII

250V 50Hz CEE 7/VII

MATERIALS OF CONSTRUCTION

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, optional Tygothane®** #1, #2 & #5 tubes, FDA approved

CV Duckbill with Tygothane® 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

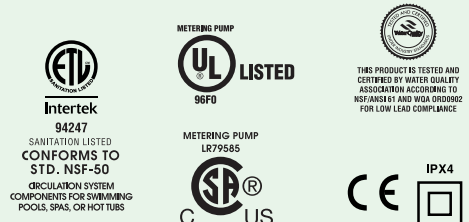
Suction Line Strainer PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

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)
- Adjustable models tested by ETL to conform to ANSI/NSF STD 50 (Santoprene® only)
- Listings vary by model



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** Tygothane® is a registered trademark of Saint-Gobain Performance Plastics.

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CLASSIC

DOUBLE HEAD ADJUSTABLE OUTPUT PUMP 0-25 psi (0-1.7 bar)

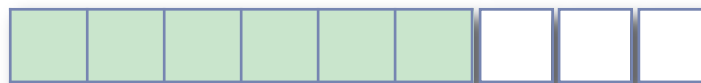


OUTPUT

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			

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



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** Tygothane® (#1, 2 & 5 only)

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

CLASSIC

DOUBLE HEAD ADJUSTABLE OUTPUT PUMP 26-100 psi (1.8-6.9 bar)



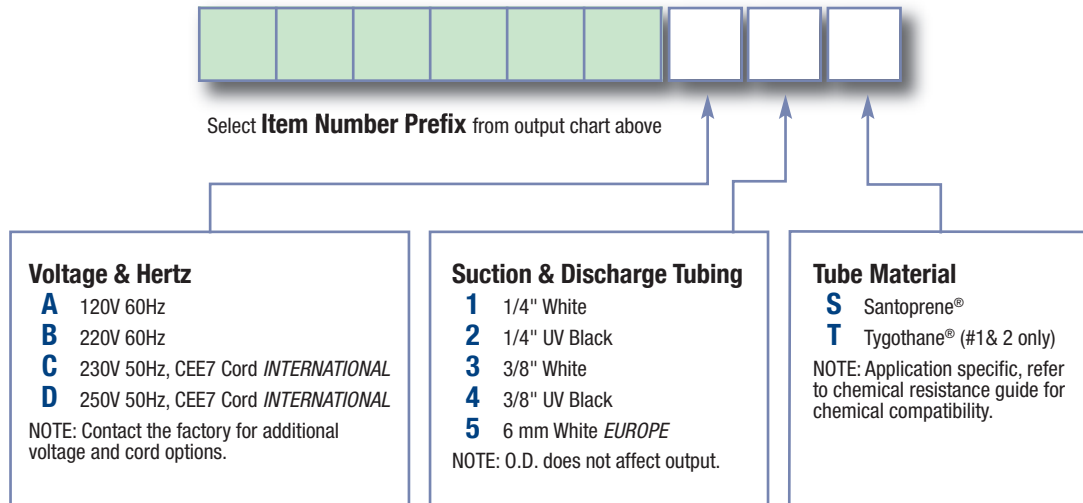
OUTPUT

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			

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

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



Example



- Pump Item Number: 170JH2A1S
- 170DMHP34 Pump
 - 120V 60Hz
 - 1/4" White Suction & Discharge Tubing
 - Santoprene® Tube

CLASSIC

DOUBLE HEAD FIXED OUTPUT PUMP 0-25 psi (0-1.7 bar)

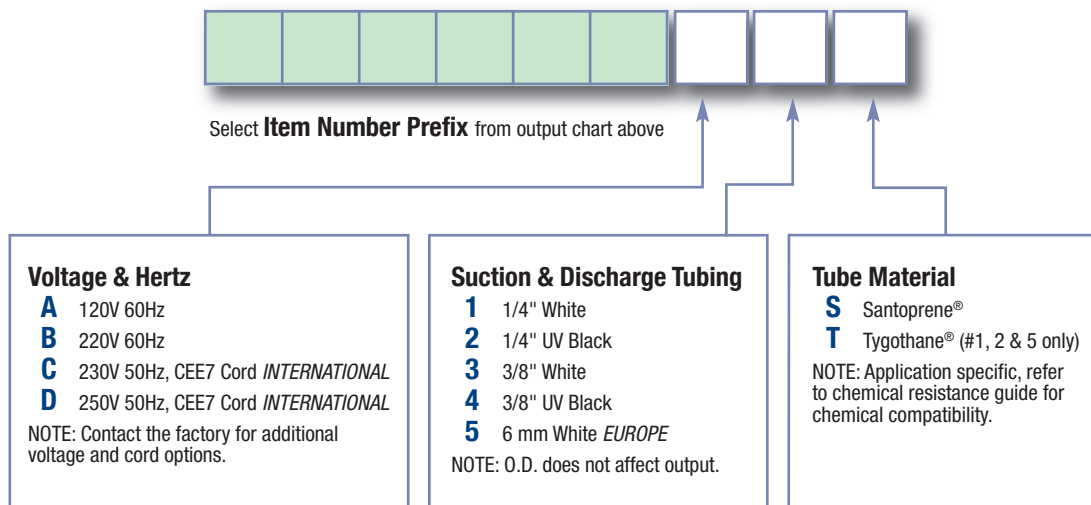


OUTPUT

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 Output @ 60Hz									Approximate Output @ 50Hz			

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



CLASSIC

DOUBLE HEAD FIXED OUTPUT PUMP 26-100 psi (1.8-6.9 bar)



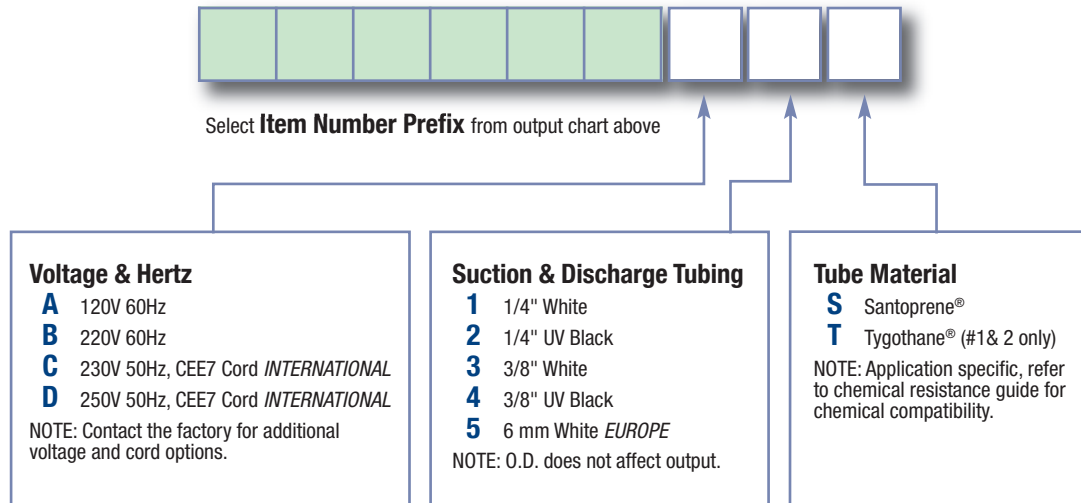
OUTPUT

	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 Output @ 60Hz										Approximate Output @ 50Hz		

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

NOTICE: The information within 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



Example



Pump Item Number: 100FHB1S

- 100DMPHP5 Pump
- 220V 60Hz
- 1/4" White Suction & Discharge Tubing
- Santoprene® Tube

SVP

VARIABLE SPEED PUMP

The SVP Series is a variable speed metering pump with a DC motor and detachable pump head. The SVP's output is digitally adjusted to increase or decrease the motor speed.



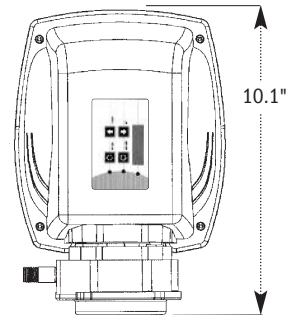
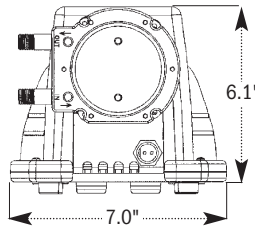
**SVP1
MANUAL ADJUSTMENT**



**SVP4
4-20mA**

The SVP1 pump is manually adjusted from 5%-100% in 1% increments with the up and down arrows on the keypad.

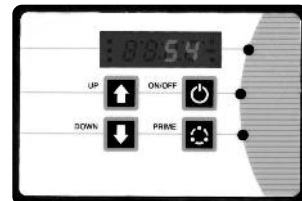
The SVP4 operates in a 4-20 mA mode with an external port to accept an input control signal. The SVP4 pump can override the 4-20mA mode to be manually adjusted.



Shipping Weight 9 lbs (4 kg)

Box Dimensions 16 x 9 x 9 in. (40.6 x 22.9 x 22.9 cm)

The digital four button keypad has prime, on/off, and up & down arrows.



The SVP Series is categorized into two sub-series; the SVP1 (manual) and the SVP4 (4-20mA).

SVP1 & SVP4

0.3 to 40.0 gpd up to 100 psi

0.3 to 85.0 gpd up to 25 psi

- 47 rpm
- Digital keypad
- 20:1 turndown, 1% increments, non-scalable
- SVP1: Manual output control
- SVP4: Automatic output control via 4-20mA signal or manual

The following pages display charts with pump output detail and are arranged by pressure rating.

Features

- 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 interchange between models

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

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

Duty Cycle Continuous

Motor Voltage (Amp Draw)

120V 50/60Hz 1PH (1.5)

220V 50/60Hz 1PH (1.5)

230V 50/60Hz 1PH (1.5) *INTERNATIONAL*

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

Power Cord Type SJTOW

Power Cord Plug End

120V 60Hz NEMA 5/15

220V 60Hz NEMA 6/15

230V 50Hz CEE 7/VI

250V 50Hz CEE 7/VI

MATERIALS OF CONSTRUCTION

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene[®], optional Tygothane^{®**} #1, #2 & #5 tubes, FDA approved

CV Duckbill with Tygothane^{®} 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)
- Listings vary by model



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

** Tygothane[®] is a registered trademark of Saint-Gobain Performance Plastics.

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

SVP

VARIABLE SPEED PUMP 0-25 psi (0-1.7 bar)



OUTPUT

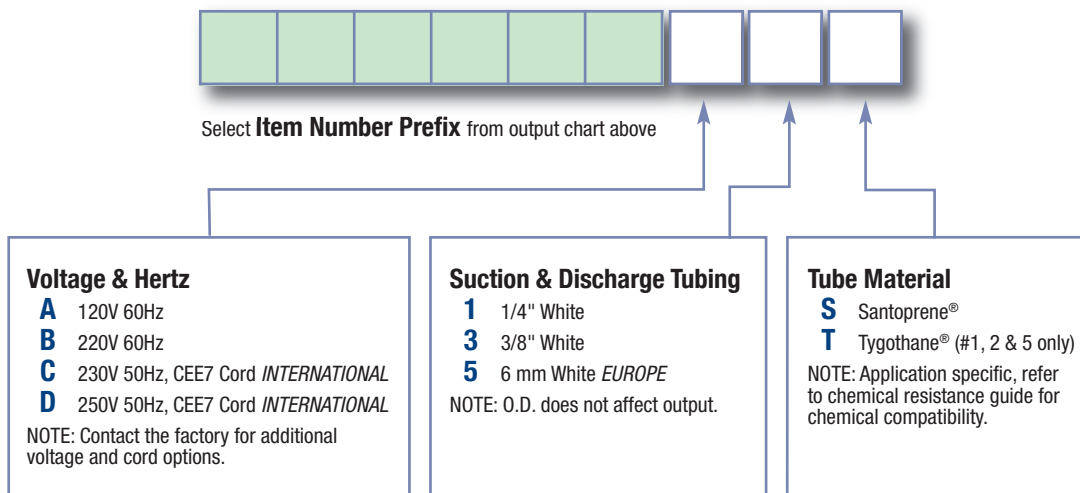
Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute	
MANUAL	SVP1L1	SVP1L1	#1	0.3 to 5.0	1.1 to 18.9	0.01 to 0.21	0.05 to 0.79	0.03 to 0.44	0.76 to 13.13
	SVP1L2	SVP1L2	#2	0.8 to 17.0	3.0 to 64.4	0.03 to 0.71	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

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

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



SVP

VARIABLE SPEED PUMP 26-100 psi (1.8-6.9 bar)



OUTPUT

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
	SVP1H3	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
	SVP4H3	SVP4H7	#7	2.0 to 40.0	7.6 to 151.4	0.08 to 1.67	0.32 to 6.31	0.18 to 3.55	5.27 to 105.14

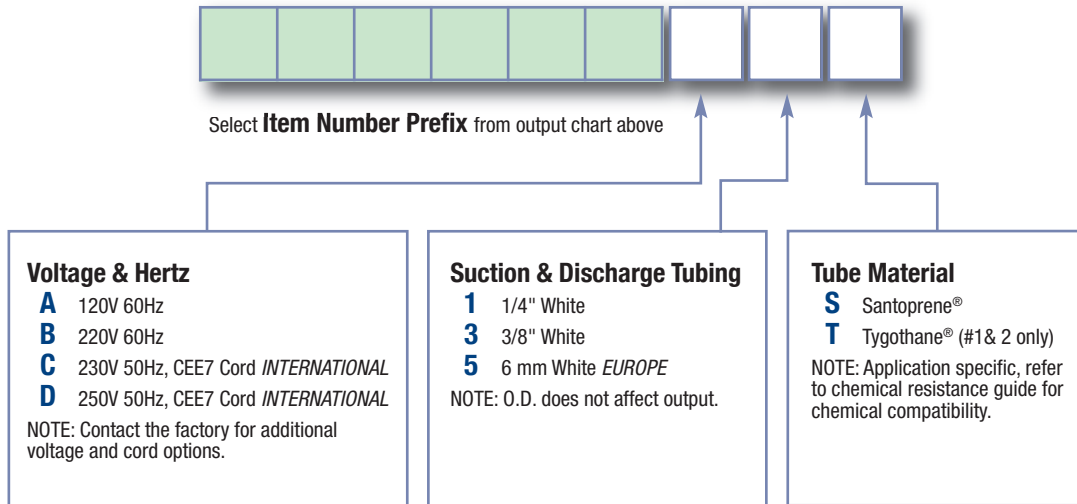
Approximate Output @ 50/60Hz

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

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

NOTICE: The information within 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



Example



- Pump Item Number: SVP4H2A3S
- SVP4H2 Pump
 - 120V 60Hz
 - 3/8" White Suction & Discharge Tubing
 - Santoprene® Tube

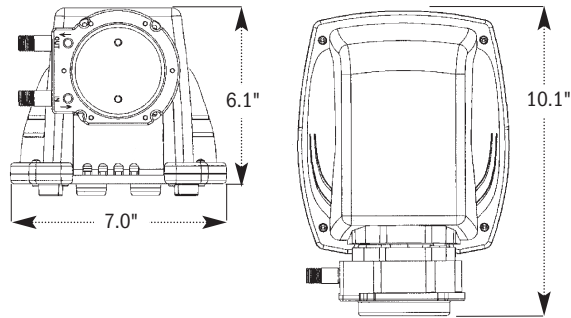
BDF

PROGRAMMABLE PUMP 24-HOUR OR 7-DAY

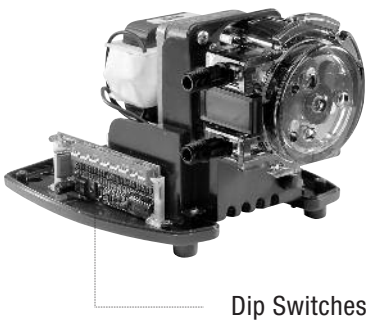
The BDF Series metering pump is built with a low rpm motor and a detachable pump head. The pump has a fixed rpm motor which is activated by dip switches to inject scheduled daily doses of solution to a maximum of 21 ounces per event up to 25 psi.



The BDF 24-hour pump can be programmed to activate hourly from 1 to 24 events per day. The BDF 7-day pump can be programmed to activate daily from 1 to 7 days per week.



Shipping Weight 9 lbs (4 kg)
Box Dimensions 16 x 9 x 9 in. (40.6 x 22.9 x 22.9 cm)



- Within the Bank of Dip Switches each number represents the number of doses.
- 1 dose represents approximately 25 seconds of operating time.
- Any dip switch in the UP position represents a programmed dose amount.
- The sum of the dip switches in the UP position equals the dose amount, for example, switches 2, 4 and 5 in the UP position will give 11 doses.
- All dip switches in the UP position will pump the maximum dosage amount for the pump (21 doses).
- The BDF pump operates until the dose is dispensed; then the pump shuts off until the next programmed hour of the day.

The BDF Series is categorized into two sub-series, the 24-Hour and 7-Day.

24-HOUR & 7-DAY

0.06 to 4.5 oz per dose hour up to 100 psi
0.06 to 21.0 oz per dose hour up to 25 psi

- 12 rpm
- Program dosages with dip switches
- Manual priming button
- 24-Hour or 7-Day timer board

The following pages display charts with pump output detail and are arranged by pressure rating.

Features

- 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 interchange between models

Accessory Kit Shipped With Each Pump

- 3 connecting nuts 1/4"
- 3 ferrules 1/4"
- 1 injection check valve 100 psi (6.9 bar) OR injection fitting 25 psi (1.7 bar)
- 1 weighted suction line strainer 1/4"
- 1 20' roll suction/discharge tubing 1/4" white
- 2 additional latches
- 1 manual

SPECIFICATIONS

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 Intermittent

Motor Voltage (Amp Draw)

120V 60Hz 1PH (1.2)

Power Cord Type SJTOW

Power Cord Plug End 120V 60Hz NEMA 5/15

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" & 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

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

- Listings vary by model



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

BDF

PROGRAMMABLE PUMP 24-HOUR & 7-DAY 0-25 psi (0-1.7 bar)



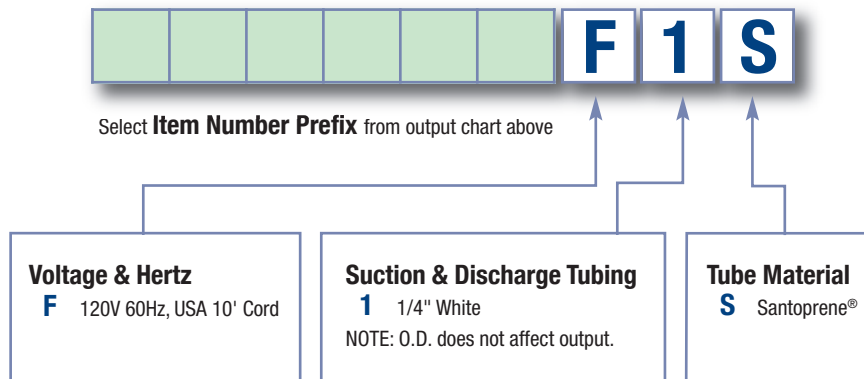
OUTPUT

	Model	Item Number Prefix	Pump Tube Number	Ounces per Hour	Milliliters per Hour	1 Dose		2 Doses		3 Doses		4 Doses		5 Doses		6 Doses	
						oz	ml	oz	ml	oz	ml	oz	ml	oz	ml	oz	ml
24-HOUR	25BDF1	BDFHL1	#1	0.06 to 1.30	2 to 39	0.06	2	0.12	4	0.18	6	0.24	8	0.30	10	0.36	12
	25BDF2	BDFHL2	#2	0.21 to 4.50	6 to 134	0.21	6	0.42	12	0.63	18	0.84	24	1.05	30	1.26	36
	25BDF3	BDFHL3	#3	0.48 to 10.00	14 to 302	0.48	14	0.96	28	1.44	42	1.92	56	2.40	70	2.88	84
	25BDF4	BDFHL4	#4	0.71 to 15.00	21 to 449	0.71	21	1.42	42	2.13	63	2.84	96	3.55	105	4.26	126
	25BDF5	BDFHL5	#5	1.00 to 21.00	30 to 625	1.00	30	2.00	60	3.00	90	4.00	120	5.00	150	6.00	180
7-DAY	25BDF1-7	BDF7L1	#1	0.06 to 1.30	2 to 39	0.06	2	0.12	4	0.18	6	0.24	8	0.30	10	0.36	12
	25BDF2-7	BDF7L2	#2	0.21 to 4.50	6 to 134	0.21	6	0.42	12	0.63	18	0.84	24	1.05	30	1.26	36
	25BDF3-7	BDF7L3	#3	0.48 to 10.00	14 to 302	0.48	14	0.96	28	1.44	42	1.92	56	2.40	70	2.88	84
	25BDF4-7	BDF7L4	#4	0.71 to 15.00	21 to 449	0.71	21	1.42	42	2.13	63	2.84	96	3.55	105	4.26	126
	25BDF5-7	BDF7L5	#5	1.00 to 21.00	30 to 625	1.00	30	2.00	60	3.00	90	4.00	120	5.00	150	6.00	180

Approximate Output @ 60Hz

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

BUILD AN ITEM NUMBER



Example



Pump Item Number: BDFHL5F1S

- 25BDF5 Pump
- 120V 60Hz
- 1/4" White Suction & Discharge Tubing
- Santoprene® Tube

BDF

PROGRAMMABLE PUMP 24-HOUR & 7-DAY 26-100 psi (1.8-6.9 bar)



OUTPUT

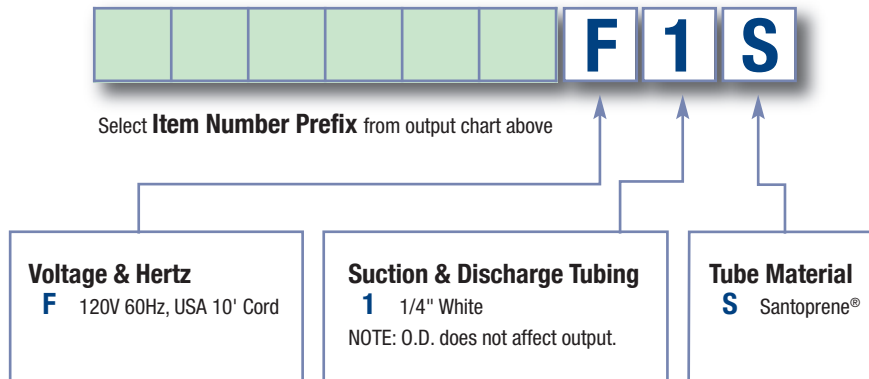
Model	Item Number Prefix	Pump Tube Number	Ounces per Hour	Milliliters per Hour	1 Dose oz ml	2 Doses oz ml	3 Doses oz ml	4 Doses oz ml	5 Doses oz ml	6 Doses oz ml	
24-HOUR	25BDF1HP	BDFHH1	#1	0.06 to 1.30	2 to 39	0.06 2	0.12 4	0.18 6	0.24 8	0.30 10	0.36 12
	25BDF2HP	BDFHH2	#2	0.21 to 4.50	6 to 134	0.21 6	0.42 12	0.63 18	0.84 24	1.05 30	1.26 36
7-DAY	25BDF1HP-7	BDF7H1	#1	0.06 to 1.30	2 to 39	0.06 2	0.12 4	0.18 6	0.24 8	0.30 10	0.36 12
	25BDF2HP-7	BDF7H2	#2	0.21 to 4.50	6 to 134	0.21 6	0.42 12	0.63 18	0.84 24	1.05 30	1.26 36

Approximate Output @ 60Hz

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

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.

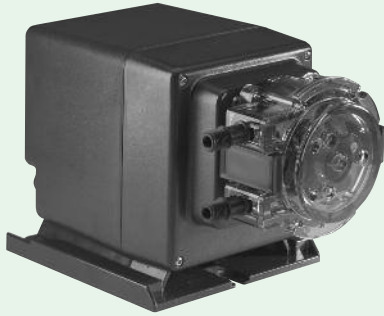
BUILD AN ITEM NUMBER



M128

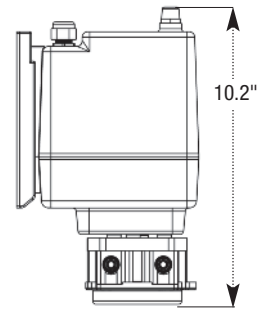
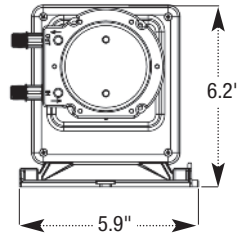
PROPORTIONAL PUMP 1:128

The M128 pump is used primarily in the agricultural industry to treat livestock water with sanitizers, disinfectants, nutrients and medications. The pump injects at a fixed rate of one ounce per gallon and is actuated by signal from a dry contacting water meter. The pump 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.



M128 PUMP

The M07 model can deliver one ounce for water flow rates up to 3.5 gallons per minute at pressures up to 100 psi. Most livestock operations have a pressure reducer in place to drop pressures to a manageable level at the drinker lines. If higher outputs are needed then injecting after the pressure reducer is an option. At pressures up to 25 psi, the M05 model can accommodate 1 ounce per gallon up to 8.4 gallons per minute.



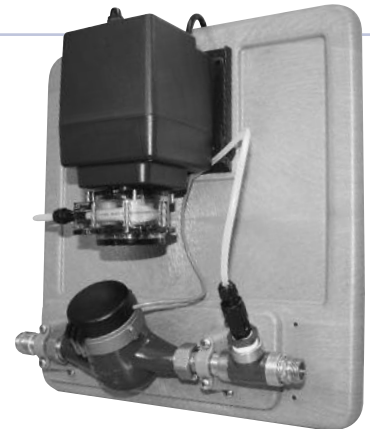
Shipping Weight 9 lbs (4 kg)

Box Dimensions 13.5 x 9 x 9.5 in. (34.3 x 22.9 x 24.1 cm)

The M128 System is shipped with the pump and meter mounted to a heavy duty panel.

Shipping Weight 23 lbs (10.4 kg)

Box Dimensions 23.5 x 22.75 x 12.5 in. (59.7 x 55.9 x 31.8 cm)



The M128 Series is available as two models; the M05 and the M07.

M05

8.4 ounces per minute up to 25 psi

- 55 rpm
- Prime button
- Signal splitter

M07

3.5 ounces per minute up to 100 psi

- 55 rpm
- Prime button
- Signal splitter

The following pages display charts with pump output detail and are arranged by pressure rating.

Features

- Water bypass isn't needed meaning 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

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

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

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 6/15

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

- Listings vary by model



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

M128

PROPORTIONAL PUMP 1:128

0-25 psi (0-1.7 bar)



OUTPUT

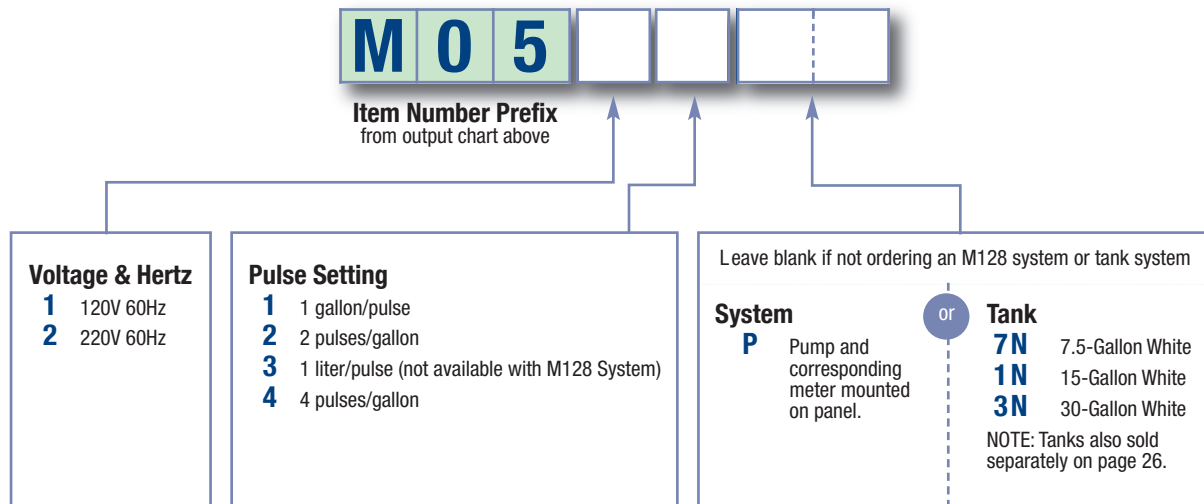
Model	Item Number Prefix	Pump Tube Number	Gallons per Day	Liters per Day	Gallons per Hour	Liters per Hour	Ounces per Minute	Milliliters per Minute
M05	M05	#5	95.0	359.6	3.96	14.98	8.44	249.73
Approximate Output @ 50/60Hz								

SIZING FOR 1:128 DOSING

Model	Maximum Pressure	Pump Tube Number	Max. Output @50/60Hz oz/min	Max. Output @50/60Hz ml/min	Max. System Water Flow for 1:128 Dosing gal/min	Max. System Water Flow for 1:128 Dosing L/min
M05	25 psi (1.7 bar)	#5	8.4	249.7	8.4	31.8

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



Examples



Pump Item Number: M0511

- M05 Pump
- 120V 60Hz
- 1 gallon/pulse



System Item Number: M0511P

- M05 Pump
- 120V 60Hz
- 1 gallon/pulse
- System

M128

PROPORTIONAL PUMP 1:128 26-100 psi (1.8-6.9 bar)



OUTPUT

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
M07	M07	#7	40.0	151.4	1.67	6.31	3.55	105.14
Approximate Output @ 50/60Hz								

SIZING FOR 1:128 DOSING

Model	Maximum Pressure	Pump Tube Number	Max. Output @50/60Hz oz/min	Max. Output @50/60Hz ml/min	Max. System Water Flow for 1:128 Dosing gal/min	Max. System Water Flow for 1:128 Dosing L/min
M07	100 psi (6.9 bar)	#7	3.5	105.1	3.5	13.2

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 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

