

**STENNER PUMPS**

PERISTALTIC METERING PUMPS SINCE 1957

2012

**STENNER PUMP COMPANY CATALOG**



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Icon Indicates Pump Series

Classic Pumps	<b>CLASSIC</b>
SVP Pumps	<b>SVP</b>
BDF Pumps	<b>BDF</b>
M128 Pumps	<b>M128</b>

# 2012

**STENNER PUMP COMPANY CATALOG**

CLASSIC

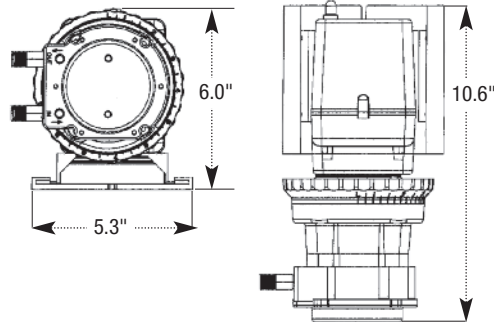
# SINGLE HEAD ADJUSTABLE & FIXED OUTPUT PUMPS

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.



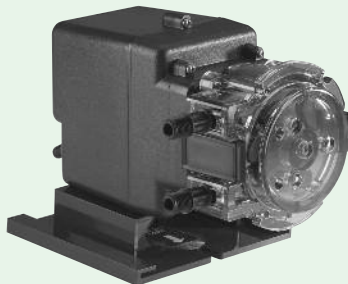
**SINGLE HEAD ADJUSTABLE**

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.



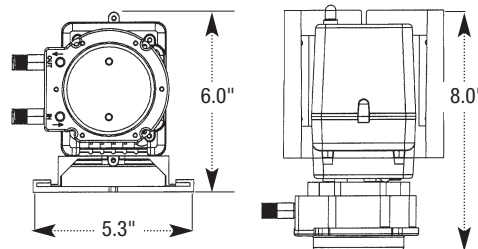
**Shipping Weight** 9 lbs (4 kg)

**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

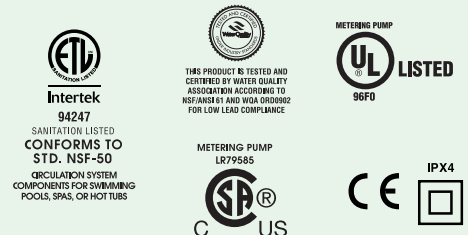
**Suction Line Strainer** PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

**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

CLASSIC

# 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)

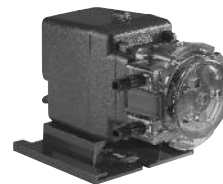
NOTE: Application specific, refer to chemical resistance guide for chemical compatibility.



## 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

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: 45MFH7B4S

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

CLASSIC

# DOUBLE HEAD ADJUSTABLE AND FIXED OUTPUT PUMPS

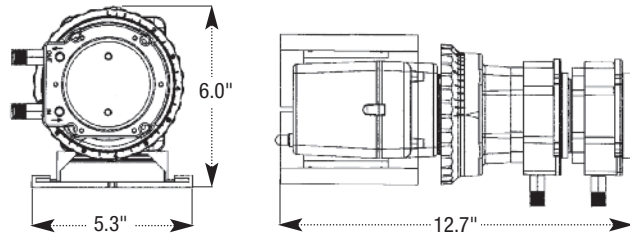
The Classic Series metering pumps are a mechanical design, available in adjustable or fixed outputs. Typical installations include wired to a well pump pressure switch, activated by a water meter for proportional feed or with a controller.



**DOUBLE HEAD ADJUSTABLE**

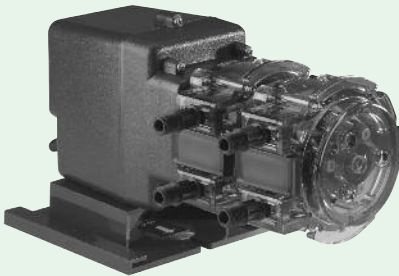
The Classic Series double head adjustable metering pump is built with four detachable components; the motor, feed rate control, and two pump heads. The output is determined by three factors; the rpm of the motor gears, the percentage setting on the feed rate control, and the size of the pump tubes in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



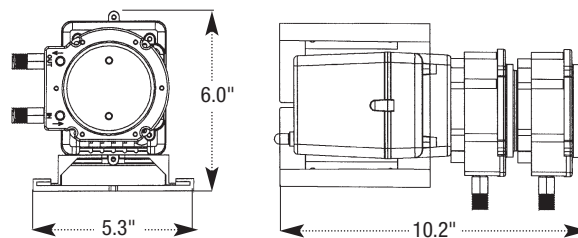
**Shipping Weight** 10 lbs (4.5 kg)

**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

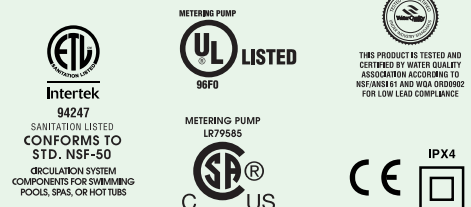
**Suction Line Strainer** PP or Type 1 Rigid PVC body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

**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



\* 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

# DOUBLE HEAD ADJUSTABLE OUTPUT PUMP

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

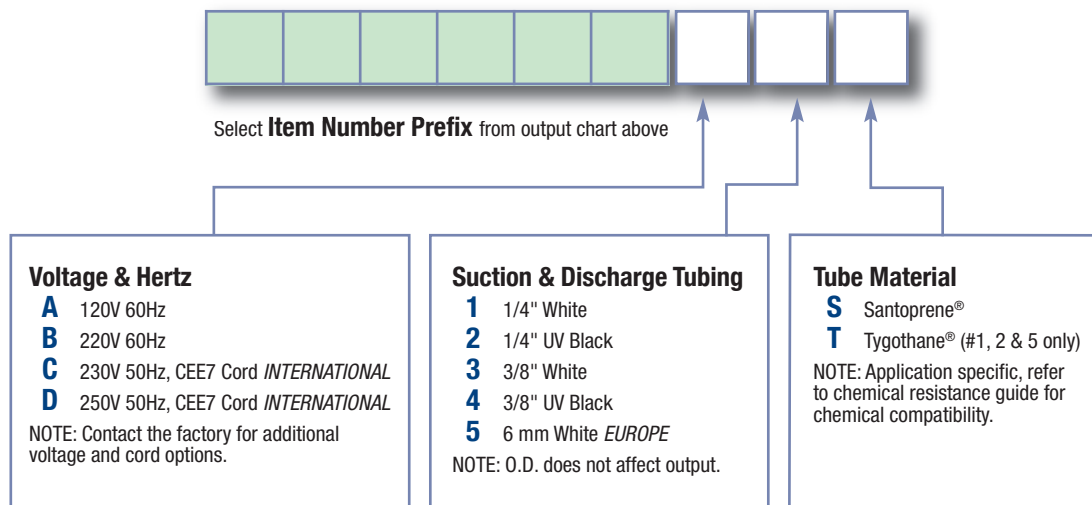


### OUTPUT

	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



**CLASSIC**

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



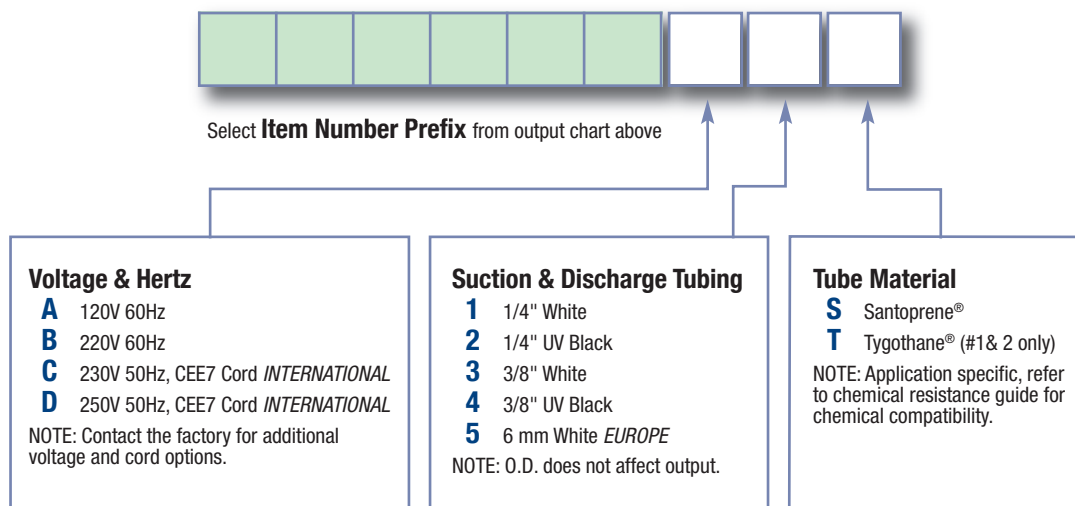
## OUTPUT

	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



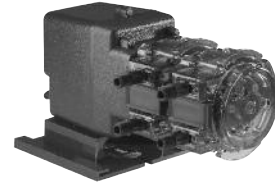
Pump Item Number: 170JH2A1S

- 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)

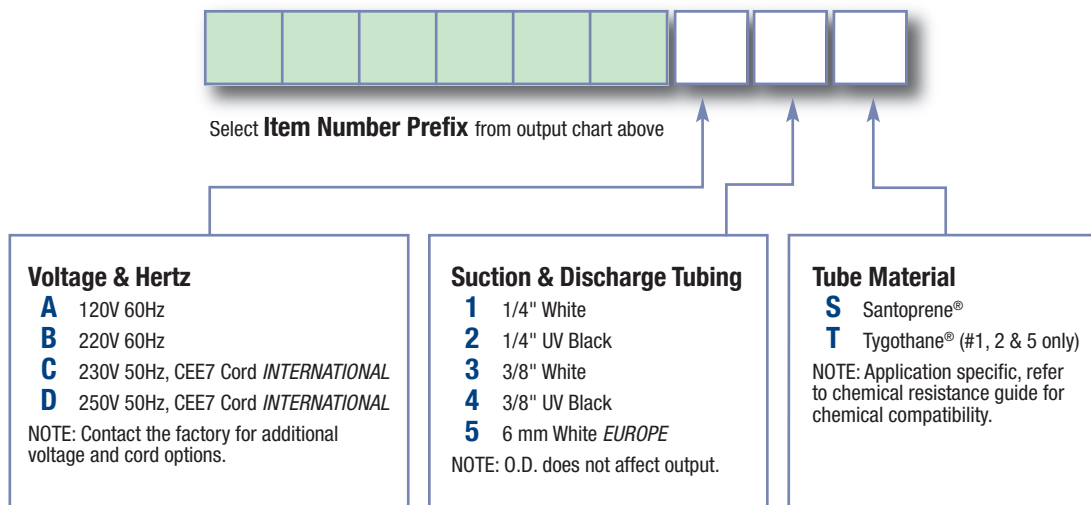


### OUTPUT

	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		

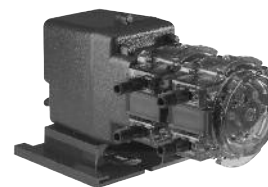
**NOTICE:** The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field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



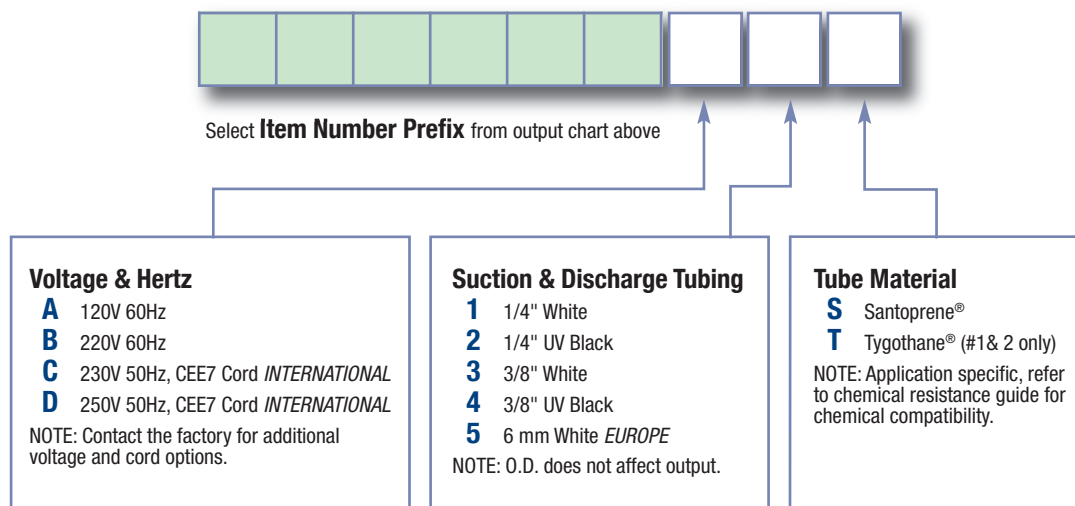
## OUTPUT

	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.



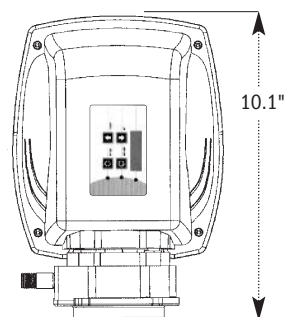
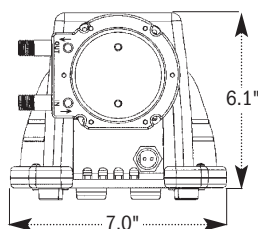
**SVP1**  
**MANUAL ADJUSTMENT**



**SVP4**  
**4-20mA**

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

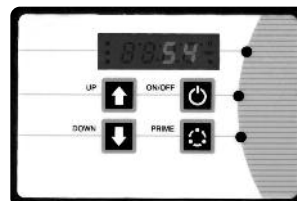
The SVP4 operates in a 4-20 mA mode with an external port to accept an input control signal. The SVP4 pump can override the 4-20mA mode to be manually adjusted.



**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/VII

250V 50Hz CEE 7/VII

#### MATERIALS OF CONSTRUCTION

**All Housings** Polycarbonate

**Pump Tube & Check Valve Duckbill** Santoprene<sup>\*</sup>, optional Tygothane<sup>\*\*</sup> #1, #2 & #5 tubes, FDA approved

**CV Duckbill with Tygothane<sup>\*\*</sup> Tube** Pellathane<sup>†</sup>

**Pump Head Rollers** HDPE

**Roller Bushings** Oil impregnated sintered bronze

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

**Tube Fittings, Check Valve Fittings**

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<sup>®</sup> only)
- Listings vary by model



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

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

† Pellathane<sup>®</sup> 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

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

**3** 3/8" White

**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.

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	<b>SVP1H1</b>	#1	0.3 to 5.0	1.1 to 18.9	0.01 to 0.21	0.05 to 0.79	0.03 to 0.44
	SVP1H2	<b>SVP1H2</b>	#2	0.8 to 17.0	3.0 to 64.4	0.03 to 0.71	0.13 to 2.68	0.07 to 1.51
	SVP1H3	<b>SVP1H7</b>	#7	2.0 to 40.0	7.6 to 151.4	0.08 to 1.67	0.32 to 6.31	0.18 to 3.55
4-20mA INPUT*	SVP4H1	<b>SVP4H1</b>	#1	0.3 to 5.0	1.1 to 18.9	0.01 to 0.21	0.05 to 0.79	0.03 to 0.44
	SVP4H2	<b>SVP4H2</b>	#2	0.8 to 17.0	3.0 to 64.4	0.03 to 0.71	0.13 to 2.68	0.07 to 1.51
	SVP4H3	<b>SVP4H7</b>	#7	2.0 to 40.0	7.6 to 151.4	0.08 to 1.67	0.32 to 6.31	0.18 to 3.55
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

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

**3** 3/8" White

**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: SVP4H2A3S

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

BDF

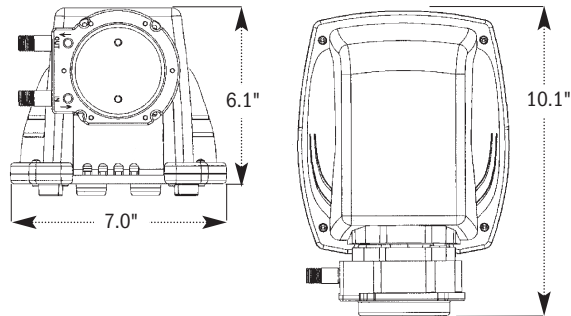
## PROGRAMMABLE PUMP 24-HOUR OR 7-DAY

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.



PROGRAMMABLE

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)



Dip Switches

- 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

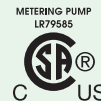
**Suction Line Strainer** PP or Type 1 Rigid PVC, body with Type 1 Rigid PVC cap, NSF listed; ceramic weight

**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)

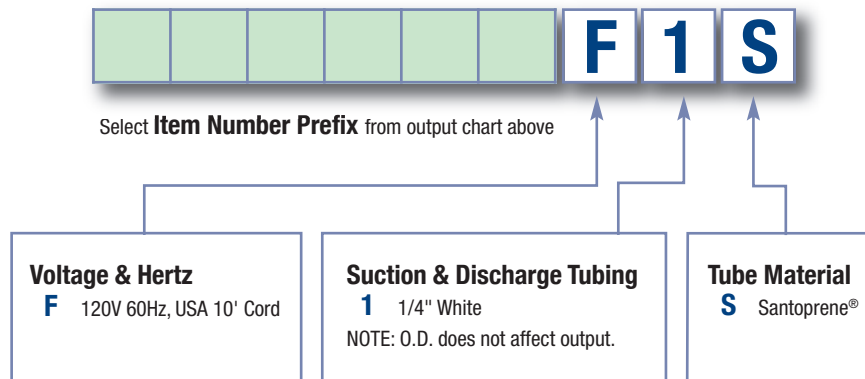


## OUTPUT

Model	Item Number Prefix	Pump Tube Number	Ounces per Hour	Milliliters per Hour	1 Dose oz   ml		2 Doses oz   ml		3 Doses oz   ml		4 Doses oz   ml		5 Doses oz   ml		6 Doses 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)



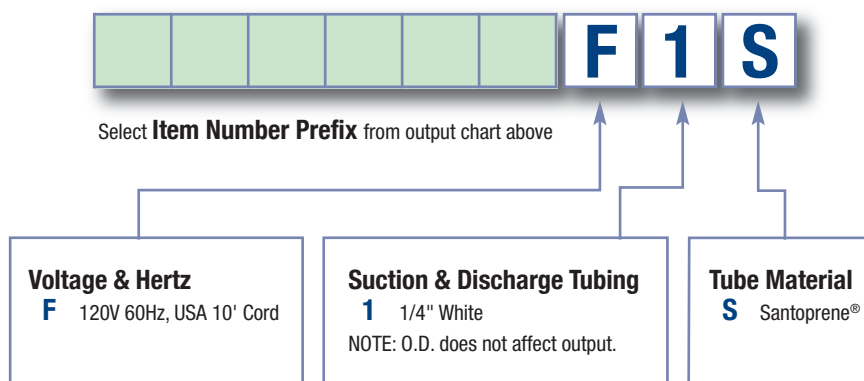
## OUTPUT

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.

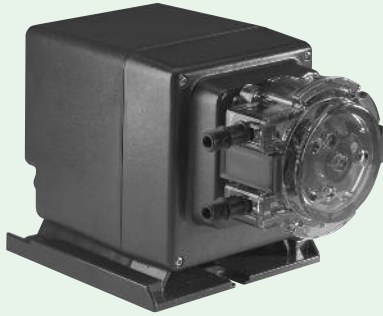
## BUILD AN ITEM NUMBER



M128

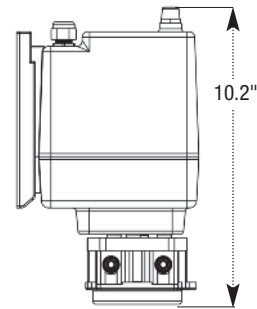
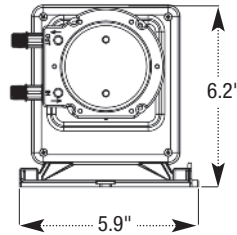
## PROPORTIONAL PUMP 1:128

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	<b>M05</b>	#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

M

0

5

**Item Number Prefix**  
from output chart above

**Voltage & Hertz**

**1** 120V 60Hz

**2** 220V 60Hz

**Pulse Setting**

**1** 1 gallon/pulse

**2** 2 pulses/gallon

**3** 1 liter/pulse (not available with M128 System)

**4** 4 pulses/gallon

Leave blank if not ordering an M128 system or tank system

**System**

**P** Pump and corresponding meter mounted on panel.

or

**Tank**

**7N** 7.5-Gallon White

**1N** 15-Gallon White

**3N** 30-Gallon White

NOTE: Tanks also sold separately on page 26.

#### 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	<b>M07</b>	#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

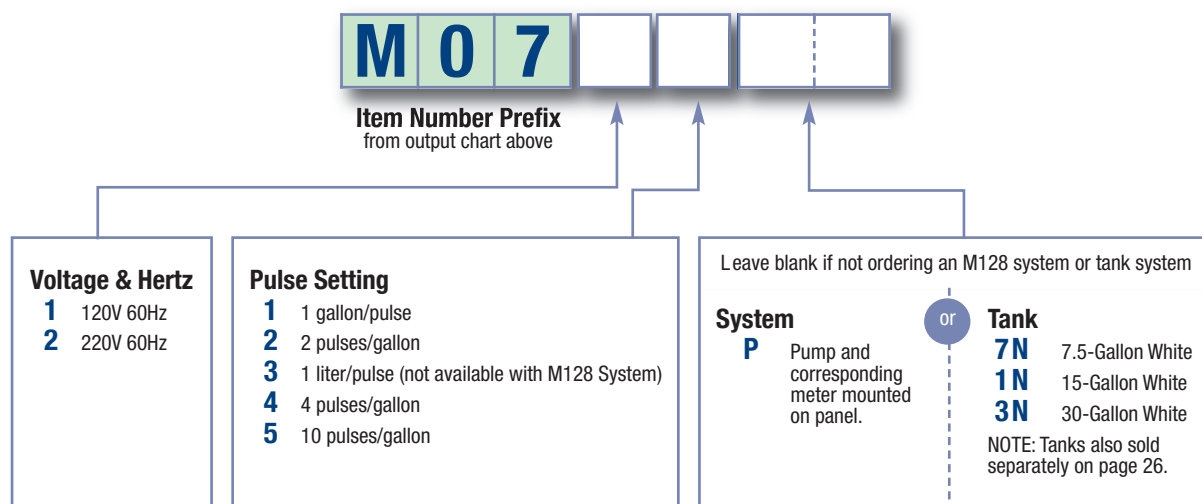
Dosage oz/gal	Dosage Ratio	Max. System Water Flow gal/min	Pulse Setting
1.0	1:128	3.5	1
0.50	1:256	7.0	2
0.25	1:512	14.0	4

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



# 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



THIS PRODUCT IS TESTED AND  
CERTIFIED BY WATER QUALITY  
ASSOCIATION ACCORDING TO  
NSF/ANSI 61 AND WQA ORD0902  
FOR LOW LEAD COMPLIANCE

## TANK SYSTEM

Tank system includes a Classic Series single head adjustable or fixed output pump.

### Features

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

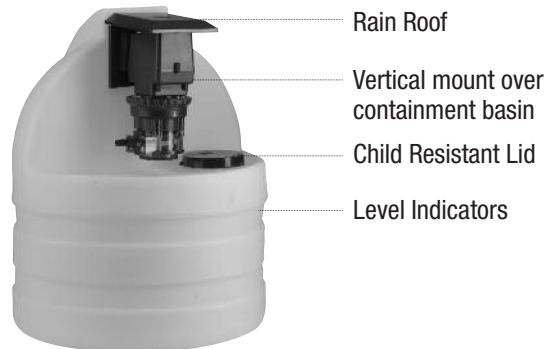
### Shipping Weight

- 7.5-Gallon: 18 lbs (8.1 kg)
- 15-Gallon: 27 lbs (12.3 kg)
- 30-Gallon: 35 lbs (15.9 kg)

### 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)

Build an item number on pages 4 through 7.





**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



THIS PRODUCT IS TESTED AND  
CERTIFIED BY WATER QUALITY  
ASSOCIATION ACCORDING TO  
NSF/ANSI 61 AND WQA ORD0902  
FOR LOW LEAD COMPLIANCE

## TANK

### Colors

- UV resistant gray
- Translucent white

### Shipping Weight

- 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)

### Dimensions

- 7.5-Gallon: 9 lbs (4.1 kg)
- 15-Gallon: 19 lbs (8.6 kg)
- 30-Gallon: 26 lbs (11.8 kg)

### Tanks For 45 or 85 Series Pumps

*Includes screws and grommets.*

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

### Tanks For BDF\* or SVP Series Pumps

*Includes screws and grommets.*

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

\* The BDF pump is not certified by WQA.

# PROPORTIONAL INJECTION 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.



**SINGLE PROPORTIONAL INJECTION SYSTEM**

The primary components are the PCM (pages 30 & 31), Classic Series single head fixed output pump (pages 2-7) and a 3/4" dry contact bronze water meter (page 33). The components are pre-assembled on a panel and include wall mounting brackets for quick installation and equipment accessibility. The cabinet keeps the cords and wires contained. Unions provide easy installation and removal. A flow indicator (page 44) is also installed as a visual reference to confirm solution is pumping.

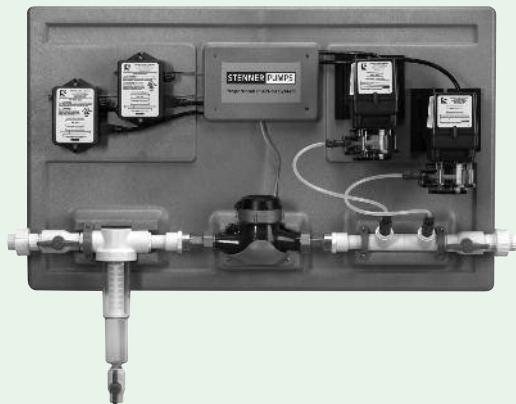
The Proportional Injection System is available as a Single or a Dual with two pumps, and two PCMs.

## Shipping Weight

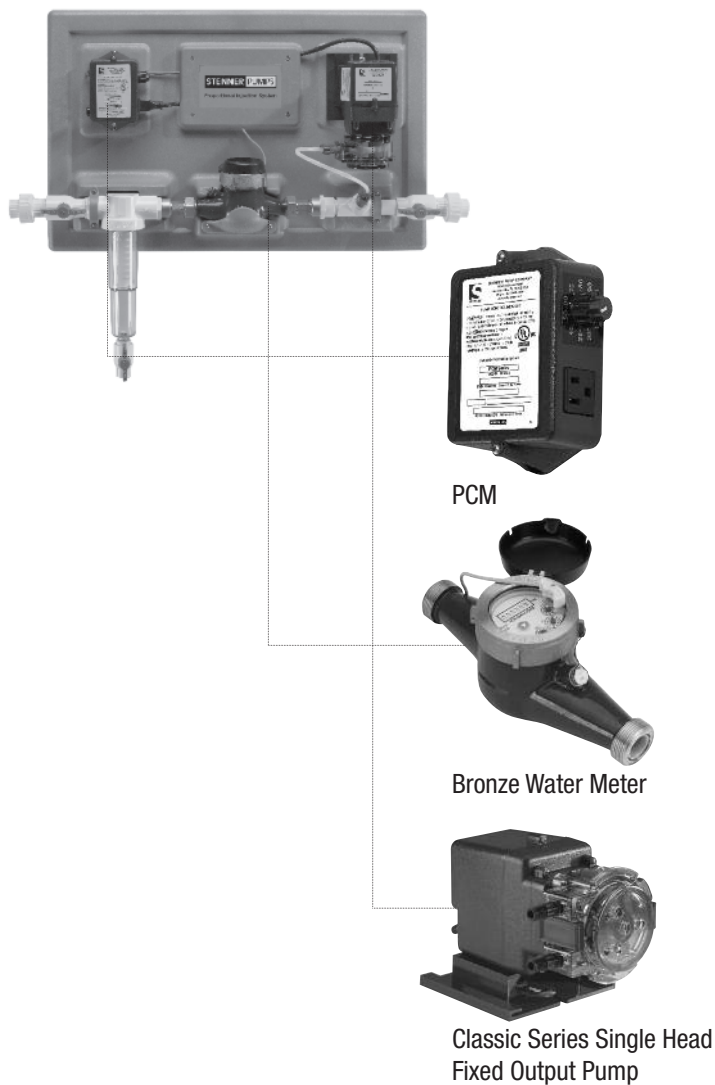
- Single: 31 lbs (14 kg)
- Dual: 45 lbs (20.4 kg)

## Box Dimensions

- Single: 28 x 17.5 in. (71.1 x 44.5 cm)
- Dual: 36.2 x 22.1 in. (91.9 x 56.2 cm)



**DUAL PROPORTIONAL INJECTION SYSTEM**



## SPECIFICATIONS

**Voltage** 120V 60Hz

## MATERIALS OF CONSTRUCTION

**Panel & Panel Fittings** Polyethylene

**Mounting Hardware** Stainless steel

**Piping and Associated Fittings** PVC

**Water Meter** Bronze

**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

System		Pump				Pump & PCM Voltage		PCM		Water Meter	
<b>S</b> Single	<b>D</b> Dual	gpd	lpd	Fixed Model	<b>1</b> 120V 60Hz	Operating Range (sec.)	Model	<b>751G</b> 3/4" 1 gallons/pulse	<b>752P</b> 3/4" 2 pulses/gallon	<b>754P</b> 3/4" 4 pulses/gallon	
		<b>03</b>	3	11.4		<b>01</b>	0.1 to 1.0	PCM1			
		<b>05</b>	5	18.9		<b>05</b>	0.5 to 5.0	PCM5			
		<b>10</b>	10	37.9		<b>10</b>	1.0 to 10.0	PCM10			
		<b>17</b>	17	64.4		<b>20</b>	2.0 to 20.0	PCM20			
		<b>22</b>	22	83.3							
		<b>40</b>	40	151.4							
				85MHP40							

NOTE: Additional pulse rates available with two week lead time, contact factory.

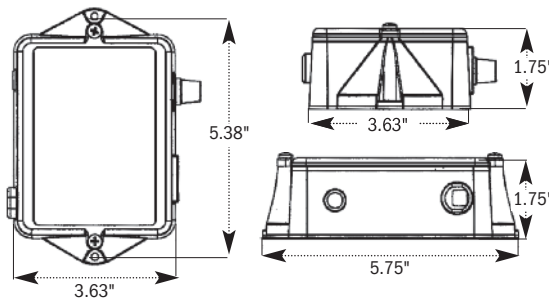
## PCM

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.



**PUMP CONTROL MODULE**

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.

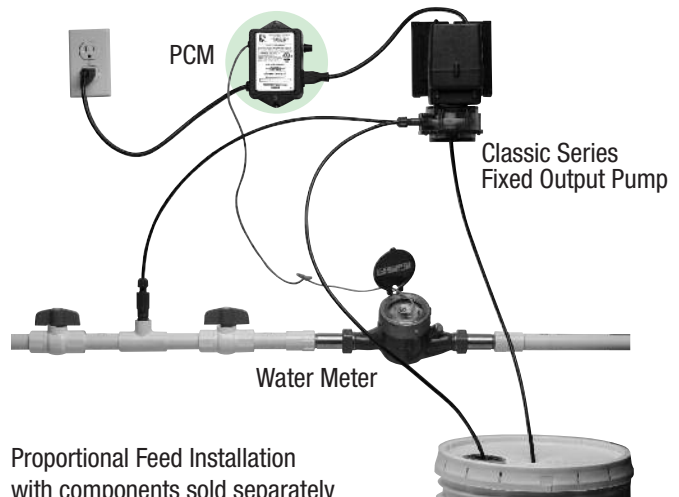


**Shipping Weight** 2 lbs (0.9 kg)

**Box Dimensions** 8 x 8 x 6 in. (20.3 x 20.3 x 15.2 cm)

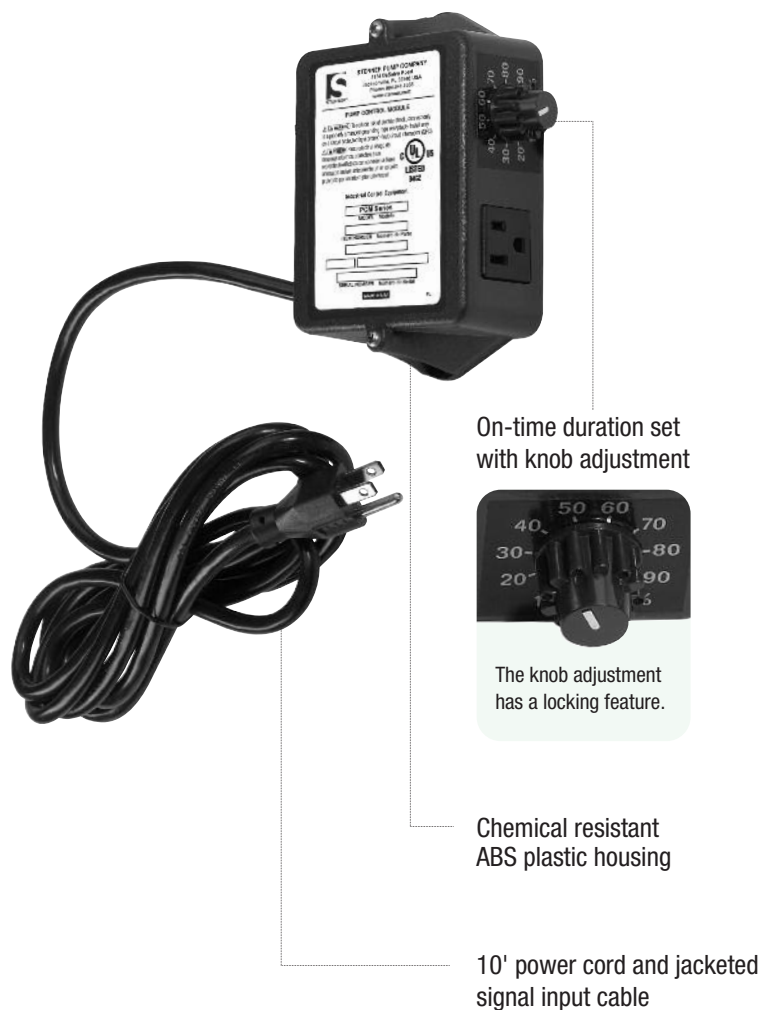


**Proportional Injection System**



**Proportional Feed Installation**  
with components sold separately

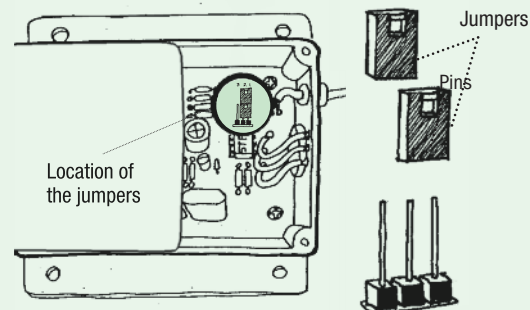




#### PCM Models

PART 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



# WATER METER



PLASTIC METER

## FLOW RATES

Size	Flow Rate Gallons per Minute	Pulses Per Gallon	
3/4"	0.25 to 22	1	2
1"	0.75 to 50	1	2

## SPECIFICATIONS

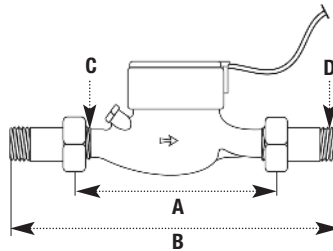
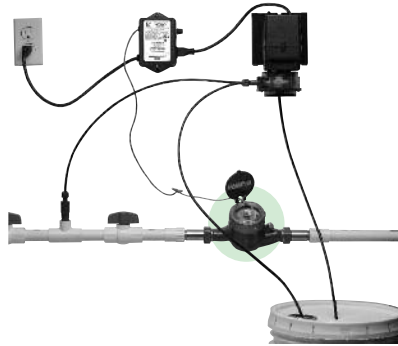
**Accuracy**  $\pm 2\%$  when operating between minimum and maximum flow range  
**Temperature** Range 35°-105° F (1.7°-40.6° C)  
**Pressure Ratings** 15-100 psi (1.0-6.9 bar)  
**Maximum Current** 20mA  
**Maximum Voltage** 24VDC or VAC  
**Sensor** Reed Switch  
**Cable Length** 5 ft (1.5 m)

## MATERIALS OF CONSTRUCTION

**Body** Engineered reinforced plastic (nylon)  
**Internal** Engineered thermoplastic  
**Magnet** Alnico

## PLASTIC METER

The plastic water meter doesn't require power and utilizes a reed switch that provides a dry contact closure to the PCM that actuates the pump. The plastic meter is sold separately as a component for use in a proportional feed installation (pages 30-31). The meter is certified with the Water Quality Association under NSF/ANSI-372 (low lead).



**Shipping Weight** 2 lbs (0.91 kg)

## Dimensions

SIZE	A Body	B Body with Couplings	C IPS Thread	D NPT Thread
3/4"	7.5" (19.1 cm)	11.5" (29.2 cm)	1"	0.75"
1"	10.25" (26.0 cm)	15.25" (38.8 cm)	1.25"	1"

## Plastic Meters

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



BRONZE METER

## FLOW RATES

Size	Flow Rate Gallons per Minute	Pulses Per Gallon    Gallons Per Pulse							
3/4"	0.22 to 22	20	10	4	2	1	1	5	10 50 100
1"	0.44 to 52			4	2	1	1	5	10 50 100
1 1/2"	0.88 to 88			4	2	1	1	5	10 50 100
2"	1.98 to 132			4	2	1	1	5	10 50 100
Pulse Rates									

## SPECIFICATIONS

**Accuracy**  $\pm 1.5\%$  of reading

**Maximum Operating Temperature** 105° F (40° C)

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

**Maximum Current** 20mA

**Maximum Voltage** 24VDC or VAC

**Sensor** Reed Switch

**Cable Length**

12 ft (4 m) standard, 2000 ft maximum run

## MATERIALS OF CONSTRUCTION

**Body** Cast bronze

**Internal** Engineered thermoplastic

**Magnet** Alnico

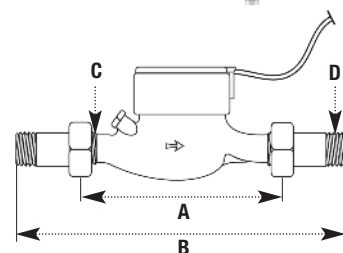
## BRONZE METER

The bronze water meter doesn't require power and utilizes a reed switch that provides a dry contact closure to the PCM that actuates the pump. All meters are sold separately and can be used for a proportional feed installation (pages 30-31). The 3/4" meter is included in the M128 System (pages 22-25) and the Proportional Injection System (pages 28-29).



## Shipping Weight

- 3/4": 4 lbs (1.8 kg)
- 1": 7 lbs (3.1 kg)
- 1 1/2": 13 lbs (5.9 kg)
- 2": 15 lbs (6.8 kg)



## Dimensions

SIZE	A Body	B Body with Couplings	C IPS Thread	D NPT Thread
3/4"	7.5" (19.1 cm)	12.63" (32.1 cm)	1"	0.75"
1"	10.25" (26.0 cm)	15.63" (39.7 cm)	1.25"	1"
1 1/2"	11.75" (29.9 cm)	17.63" (44.8 cm)	2"	1.5"
2"	11.75" (29.9 cm)	17.63" (44.8 cm)	2.5"	2"

## BUILD AN ITEM NUMBER

<b>W</b>	<b>M</b>						
----------	----------	--	--	--	--	--	--

**Size**

**075** 3/4"

**100** 1"

**150** 1 1/2"

**200** 2"

**Pulse Rate**

**2P** 2 pulses/gallon

**4P** 4 pulses/gallon

**10P** 10 pulses/gallon (3/4" only)

**20P** 20 pulses/gallon (3/4" only)

**1G** 1 gallon/pulse

**5G** 5 gallons/pulse

**10G** 10 gallons/pulse

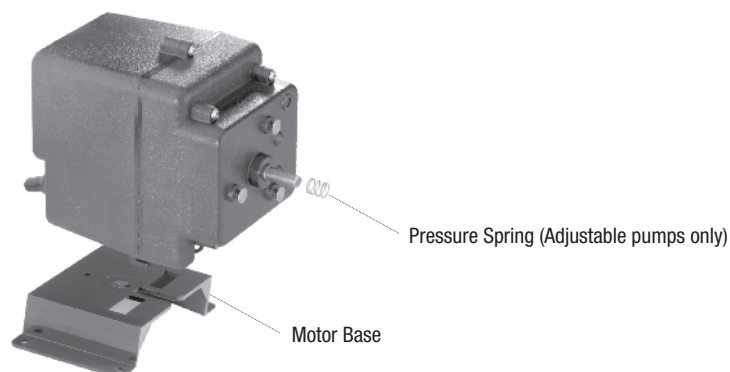
**50G** 50 gallons/pulse

**100G** 100 gallons/pulse

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

CLASSIC

## MOTORS



## MOTOR 60Hz

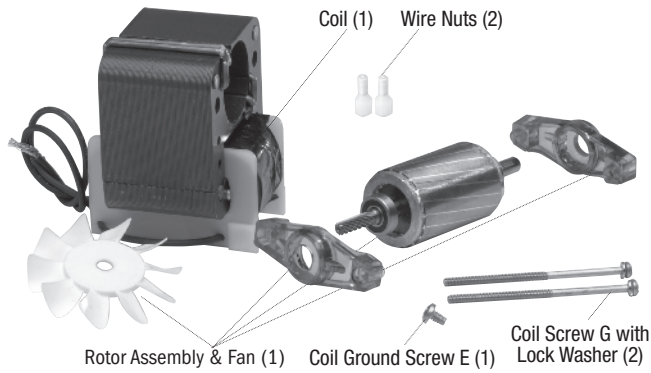
PART NUMBER	UM	DESCRIPTION	
<b>PM6041D</b>	EA	For Adjustable Output 45 & 100 Series	120V
<b>PM6042D</b>	EA	For Adjustable Output 45 & 100 Series	220V
<b>PM6081D</b>	EA	For Adjustable Output 85 & 170 Series	120V
<b>PM6082D</b>	EA	For Adjustable Output 85 & 170 Series	220V
<b>ME6041D</b>	EA	For Fixed Output 45 Series	120V
<b>ME6042D</b>	EA	For Fixed Output 45 Series	220V
<b>ME6081D</b>	EA	For Fixed Output 85 Series	120V
<b>ME6082D</b>	EA	For Fixed Output 85 Series	220V
<b>DM6041D</b>	EA	For Fixed Output 100 Series	120V
<b>DM6042D</b>	EA	For Fixed Output 100 Series	220V
<b>DM6081D</b>	EA	For Fixed Output 170 Series	120V
<b>DM6082D</b>	EA	For Fixed Output 170 Series	220V

MOTOR 50Hz *INTERNATIONAL*

PART NUMBER	UM	DESCRIPTION	
<b>PM64230</b>	EA	For Adjustable Output 45 & 100 Series	230V
<b>PM6426D</b>	EA	For Adjustable Output 45 & 100 Series	250V
<b>PM68230</b>	EA	For Adjustable Output 85 & 170 Series	230V
<b>PM6826D</b>	EA	For Adjustable Output 85 & 170 Series	250V
<b>ME64230</b>	EA	For Fixed Output 45 Series	230V
<b>ME6426D</b>	EA	For Fixed Output 45 Series	250V
<b>ME68230</b>	EA	For Fixed Output 85 Series	230V
<b>ME6826D</b>	EA	For Fixed Output 85 Series	250V
<b>DM64230</b>	EA	For Fixed Output 100 Series	230V
<b>DM64250</b>	EA	For Fixed Output 100 Series	250V
<b>DM68230</b>	EA	For Fixed Output 170 Series	230V
<b>DM68250</b>	EA	For Fixed Output 170 Series	250V

## CLASSIC

# MOTOR SERVICE KITS



PART NUMBER	UM	DESCRIPTION
<b>MSK120</b>	KIT	120V 60Hz
<b>MSK220</b>	KIT	220V 60Hz

## CLASSIC

# GEAR CASE SERVICE KITS



PART NUMBER	UM	DESCRIPTION
<b>GSK45A</b>	KIT	For Adjustable Output 45 & 100 Series
<b>GSK85A</b>	KIT	For Adjustable Output 85 & 170 Series
<b>GSK45F</b>	KIT	For Fixed Output 45 Series
<b>GSK85F</b>	KIT	For Fixed Output 85 Series

## CLASSIC

## MOTOR PARTS

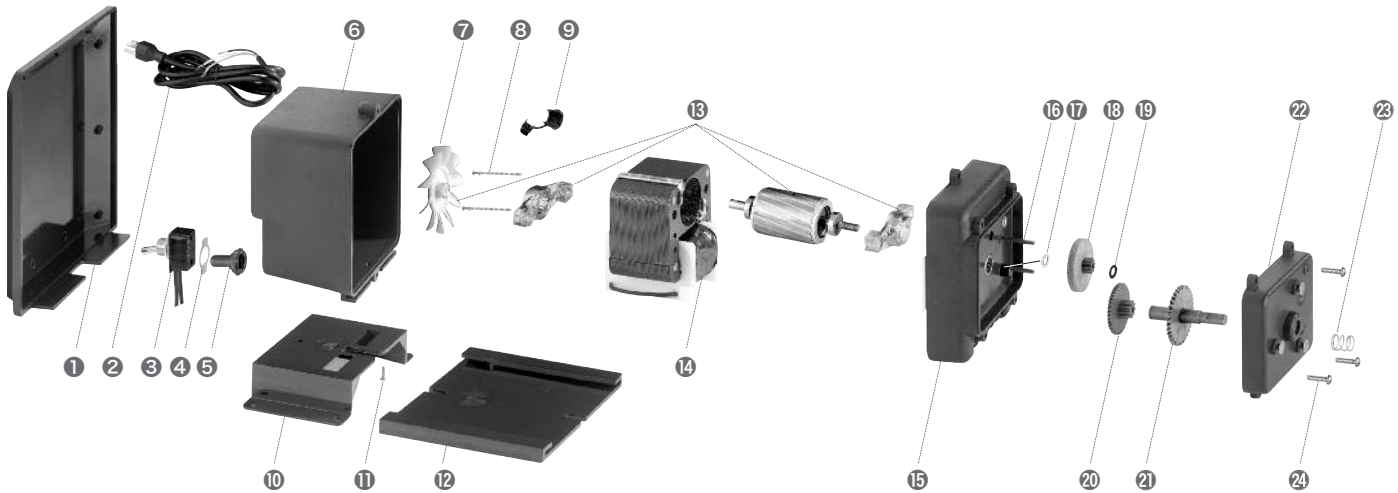
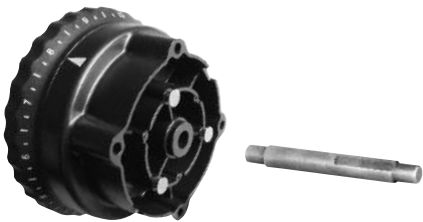


DIAGRAM	PART NUMBER	UM	DESCRIPTION
①	<b>MP90000</b>	EA	Rain Roof
Not shown	<b>MP90001</b>	EA	Pump Cover
Not shown	<b>MP90002</b>	KIT	Pump Cover & Rain Roof
②	<b>MP6B010</b>	EA	Power Cord 120V
	<b>MP6B020</b>	EA	Power Cord 220V
③	<b>PM6E000</b>	EA	Toggle Switch
④	<b>MP6D000</b>	EA	On-Off Switch Plate
⑤	<b>MP6C000</b>	EA	Switch Boot
⑥	<b>PM6A0BL</b>	EA	Motor Cover with 120V Cord
	<b>PM6A00L</b>	EA	Motor Cover with 220V Cord
⑦	<b>PM6F000</b>	EA	Motor Fan
⑧	<b>PMS00G1</b>	EA	Coil Screw G with Lock Washer
⑨	<b>MP6V000</b>	EA	Strain Relief Bushing
⑩	<b>MP70000</b>	EA	Motor Base
⑪	<b>PMS000D</b>	EA	Motor Base Screw D
⑫	<b>MP80000</b>	EA	Mounting Bracket
⑬	<b>PMBRPL2</b>	EA	Rotor Assembly with Bearings, Brackets, Tolerance Rings & Fan
⑭	<b>MP6J115</b>	EA	Coil 60Hz 120V
	<b>MP6J226</b>	EA	Coil 60Hz 220V
	<b>MP6J223</b>	EA	Coil 50Hz 230V
	<b>MP6J222</b>	EA	Coil 50Hz 250V

DIAGRAM	PART NUMBER	UM	DESCRIPTION
⑮	<b>PM6K0BL</b>	EA	Gear Case
⑯	<b>PM6M000</b>	EA	Gear Posts
⑰	<b>MP6P000</b>	EA	Thrust Washer
⑱	<b>MP6N040</b>	EA	Phenolic Gear with Spacer 26 RPM 45 & 100 Series
	<b>MP6N080</b>	EA	44 RPM 85 & 170 Series
⑲	<b>PM6M001</b>	EA	Phenolic Gear Spacer
⑳	<b>MP60040</b>	EA	Metal Reduction Gear 26 RPM 45 & 100 Series
	<b>MP60080</b>	EA	44 RPM 85 & 170 Series
㉑	<b>MP6Q00D</b>	EA	Motor Shaft with Gear For Adjustable Output
	<b>ME6Q0LD</b>	EA	For Single Head Fixed Output
	<b>DM6Q0LD</b>	EA	For Double Head Fixed Output
㉒	<b>PM6R0BL</b>	EA	Gear Case Cover
㉓	<b>MP6T000</b>	EA	Pressure Spring For Adjustable Output
㉔	<b>UCCPS0B</b>	10-PK	Cover Screw B
	<b>MCCPS0B</b>	24-PK	
Not shown	<b>PMS000E</b>	EA	Coil Ground Screw E

CLASSIC

FEED RATE CONTROL



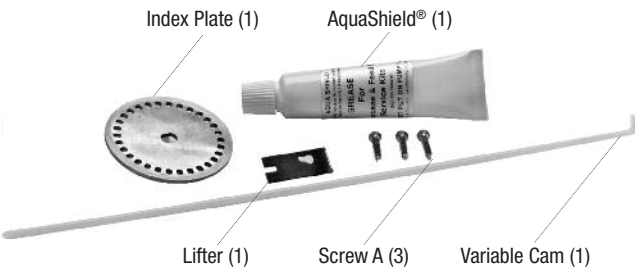
FRC is for all adjustable output pumps in the Classic Series.

Feed Rate Control with Shaft

PART NUMBER	UM	DESCRIPTION
FC5040D	EA	For Adjustable Output 45 & 85 Series
DM5040D	EA	For Adjustable Output 100 & 170 Series

CLASSIC

FEED RATE CONTROL  
SERVICE KIT



PART NUMBER	UM	DESCRIPTION
FSK100	KIT	For Adjustable Output 45, 85, 100 & 170 Series

CLASSIC

## FEED RATE CONTROL PARTS

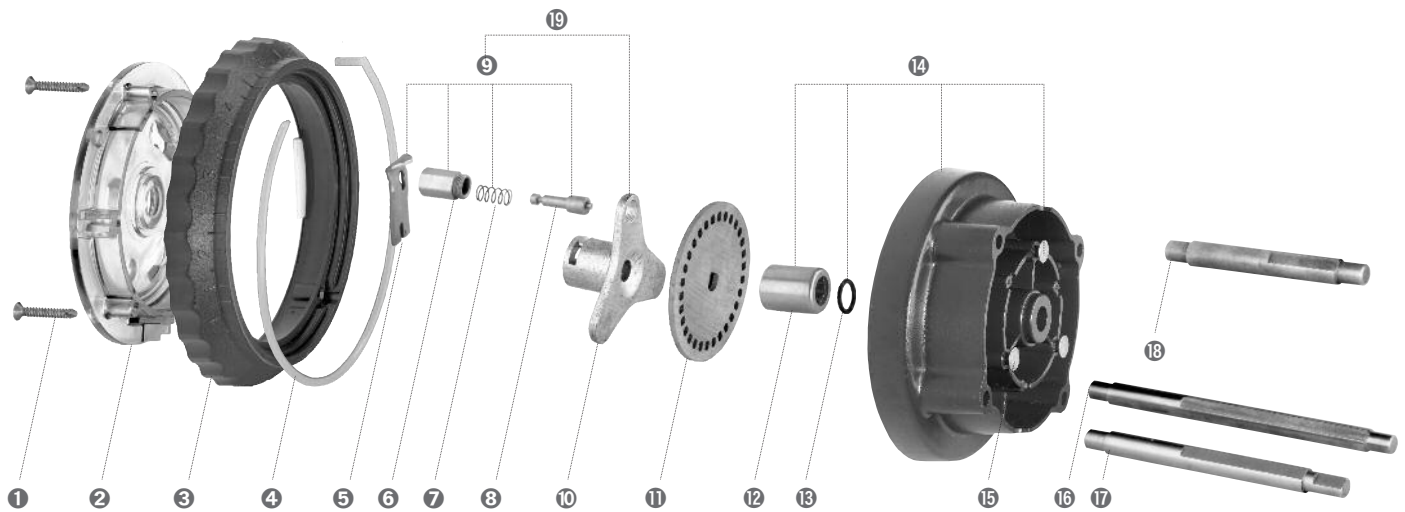


DIAGRAM	PART NUMBER	UM	DESCRIPTION
①	<b>FCS000A</b>	EA	FRC Screw A
②	<b>FC5N000</b>	EA	Feed Rate Mounting Plate
③	<b>FC5M040</b>	EA	Dial Ring
④	<b>UCFC5H0</b> <b>MCFC5H0</b>	2-PK 5-PK	Variable Cam
⑤	<b>UCFC5L1</b> <b>MCFC5L1</b>	2-PK 5-PK	Index Pin Lifter
⑥	<b>FC5L003</b>	EA	Index Pin Holder
⑦	<b>FC5L005</b>	EA	Index Pin Spring
⑧	<b>FC5L002</b>	EA	Index Pin
⑨	<b>UCFC5AY</b> <b>MCFC5AY</b>	EA 2-PK	Index Pin Assembly with Lifter (includes ⑤, ⑥, ⑦ & ⑧)
⑩	<b>FC5K00D</b>	EA	Index Spider
⑪	<b>UCFC5ID</b> <b>MCFC5ID</b>	EA 5-PK	Index Plate
⑫	<b>FC5F000</b>	EA	Roller Clutch
⑬	<b>FC5E000</b>	EA	O-Ring Seal 3/8"
⑭	<b>FC5D00S</b>	EA	Feed Rate Housing with Roller Clutch, Seal & Rivets
⑮	<b>FCS000C</b>	EA	Mounting Rivet C
⑯	<b>DM5A00D</b>	EA	Main Shaft Double Head Adjustable Output
⑰	<b>DM5A0DC</b>	EA	Main Shaft Dual Head Dual Control Adjustable Output
⑱	<b>UCFC5AD</b> <b>MCFC5AD</b>	EA 2-PK	Main Shaft Single Head Adjustable Output
⑲	<b>FC5LAS</b>	EA	Brass Spider Assembly (includes ⑨ & ⑩)



# QuickPro™ PUMP HEADS

Effective May 2011, Stenner Single Head Pumps—Classic Series, SVP, BDF and the M128 series—are manufactured with a re-designed pump head with a brand new way to change the tube, called the QuickPro™. A pump with the QuickPro™ can be recognized by the latches, instead of screws on the pump head, or the serial number. The pump manufacture date is found in the serial number prefix on the pump or box label.

- **Pumps with QuickPro™ pump head:** Serial number prefix begins with the date 050211 and after.
- **Pumps with non-QuickPro pump head:** Serial number prefix begins with the date 042911 and prior.

CLASSIC SVP BDF M128

## QuickPro™ PUMP HEAD



0-25 psi (0-1.7 bar)

PART NUMBER	UM	DESCRIPTION
QP25-1	EA	<i>select tube # from 1, 2, 3, 4, 5 for</i> Includes
QP25-2	2-PK	Santoprene® pump tube, ferrules 1/4"
QP25T-1	EA	<i>select tube # from 1, 2, 5 for</i> Includes
		Tygothane® pump tube, ferrules 1/4"
EUROPE	QP17-1	EA <i>select tube # from 1, 2, 3, 4, 5 for</i> Includes
	QP17-2	2-PK Santoprene® pump tube, ferrules 6 mm
	QP17T-1	EA <i>select tube # from 1, 2, 5 for</i> Includes
		Tygothane® pump tube, ferrules 6 mm

26-100 psi (1.8-6.9 bar)

PART NUMBER	UM	DESCRIPTION
QP10-1	EA	<i>select tube # from 1, 2, 7 for</i> Includes
		Santoprene® pump tube & duckbill, ferrules 1/4"
QP10T-1	EA	<i>select tube # from 1 or 2 for</i> Includes
		Tygothane® pump tube, ferrules 1/4", Pellathane® duckbill
EUROPE	QP69-1	EA <i>select tube # from 1, 2, 7 for</i> Includes
		Santoprene® pump tube & duckbill, ferrules 6 mm
	QP69T-1	EA <i>select tube # from 1 or 2 for</i> Includes
		Tygothane® pump tube, ferrules 6 mm, Pellathane® duckbill

CLASSIC DOUBLE HEAD

## INNERMOST QuickPro™ PUMP HEAD



0-25 psi (0-1.7 bar)

PART NUMBER	UM	DESCRIPTION
QPA25-1	EA	<i>select tube # from 1, 2, 3, 4, 5 for</i> Includes
QPA25-2	2-PK	Santoprene® pump tube, ferrules 1/4"
EUROPE	QPA17-1	EA <i>select tube # from 1, 2, 3, 4, 5 for</i> Includes
	QPA17-2	2-PK Santoprene® pump tube, ferrules 6 mm

26-100 psi (1.8-6.9 bar)

PART NUMBER	UM	DESCRIPTION
QPA10-1	EA	<i>select tube # from 1 or 2 for</i> Includes
QPA10-2	2-PK	Santoprene® pump tube & duckbill, ferrules 1/4"
EUROPE	QPA69-1	EA <i>select tube # from 1 or 2 for</i> Includes
	QPA69-2	2-PK Santoprene® pump tube & duckbill, ferrules 6 mm

### PUMP TUBE PRESSURE RATING

PUMP TUBE	0-25 psi (0-1.7 bar)	26-100 psi (1.8-6.9 bar) Check valve required
#1	✓	✓
#2	✓	✓
#3	✓	
#4	✓	
#5	✓	
#7**		✓

\*\* Classic Single Head, SVP or M128 only.

\* Tygothane® tubes are application specific; confirm chemical compatibility with the chemical resistance guide in the catalog or on the website. In 26-100 psi (1.8-6.9 bar) applications with a Tygothane® tube, a Pellathane® duckbill is in the check valve; both materials are clear. BDF and M128 pumps are excluded.

# QuickPro™ PUMP HEAD PARTS

CLASSIC SVP BDF M128

## QuickPro™ PUMP HEAD PARTS

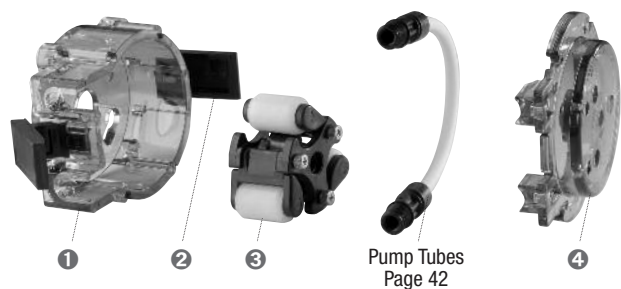


DIAGRAM	PART NUMBER	UM	DESCRIPTION
①	QP400-1 QP400-2	EA 2-PK	UNIVERSAL QP Tube Housing with Latches
②	QP401-2	2-PK	QP Latches
③	QP500-1 QP500-4	EA 4-PK	QP Roller Assembly
	QP501-3	EA	QP Roller Arm Assembly includes arms, bushings, rollers, screws
④	QP100-1 QP100-4	EA 4-PK	UNIVERSAL QP Tube Housing Cover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

NOTE: *UNIVERSAL* for QuickPro™ (QP) & non-QuickPro pumps.

CLASSIC DOUBLE HEAD

## INNERMOST QuickPro™ PUMP HEAD PARTS

PART NUMBER	UM	DESCRIPTION
QP10A-1 QP10A-2	EA 2-PK	Pump Head Cover
QP50A-1	EA	Roller Assembly

### PUMP TUBE PRESSURE RATING

PUMP TUBE	0-25 psi (0-1.7 bar)	26-100 psi (1.8-6.9 bar) Check valve required
#1	✓	✓
#2	✓	✓
#3	✓	
#4	✓	
#5	✓	
#7*		✓

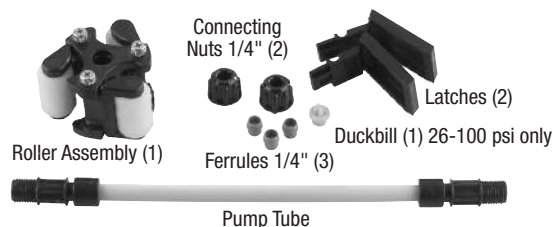
\* Classic Single Head, SVP or M128 only.

\*\* Tygothane® tubes are application specific; confirm chemical compatibility with the chemical resistance guide in the catalog or on the website. In 26-100 psi (1.8-6.9 bar) applications with a Tygothane® tube, a Pellathane® duckbill is in the check valve; both materials are clear. BDF and M128 pumps are excluded.

CLASSIC SVP BDF M128

## QuickPro™ 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
QP25■K	KIT	select tube # from 1, 2, 3, 4, 5 for ■ Includes Santoprene® pump tube
QP25T■K	KIT	select tube # from 1, 2, 5 for ■ Includes Tygothane®** pump tube
EUROPE	QP17■K	KIT select tube # from 1, 2, 3, 4, 5 for ■ Includes Santoprene® pump tube, ferrules 6 mm
	QP17T■K	KIT select tube # from 1, 2, 5 for ■ Includes Tygothane®** pump tube, ferrules 6 mm

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

PART NUMBER	UM	DESCRIPTION
QP10■K	KIT	select tube # from 1, 2, 7 for ■ Includes Santoprene® pump tube & duckbill
QP10T■K	KIT	select tube # from 1 or 2 for ■ Includes Tygothane®** pump tube & Pellathane® duckbill
EUROPE	QP69■K	KIT select tube # from 1, 2, 7 for ■ Includes Santoprene® pump tube, & duckbill, ferrules 6 mm
	QP69T■K	KIT select tube # from 1 or 2 for ■ Includes Tygothane®** pump tube, Pellathane® duckbill, ferrules 6 mm

# NON-QuickPro PUMP HEAD PARTS

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

## CLASSIC SVP BDF M128 PUMP HEAD PARTS

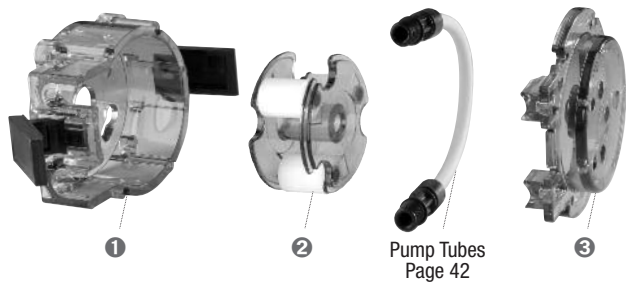


DIAGRAM	PART NUMBER	UM	DESCRIPTION
1	<b>QP400-1</b> <b>QP400-2</b>	EA 2-PK	<i>UNIVERSAL</i> QP Tube Housing with Latches
2	<b>UC3ASYD</b> <b>MC3ASYD</b>	EA 4-PK	Roller Assembly
3	<b>QP100-1</b> <b>QP100-4</b>	EA 4-PK	<i>UNIVERSAL</i> QP Tube Housing Cover with Bushing
Not shown	<b>UCCPSOB</b> <b>MCCPSOB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

NOTE: *UNIVERSAL* for QuickPro™ (QP) & non-QuickPro pumps.

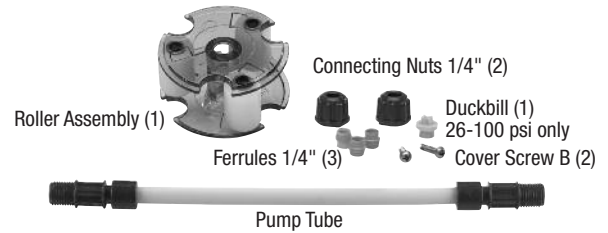
### PUMP TUBE PRESSURE RATING

PUMP TUBE	0-25 psi (0-1.7 bar)	26-100 psi (1.8-6.9 bar) Check valve required
#1	✓	✓
#2	✓	✓
#3	✓	
#4	✓	
#5	✓	
#7*		✓

\* Classic Single Head, SVP or M128 only.

## CLASSIC SVP BDF M128 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
<b>PSKLO</b> ■	KIT	<i>select tube # from 1, 2, 3, 4, 5 for</i> ■ Includes Santoprene® pump tube
<b>PSKLT</b> ■	KIT	<i>select tube # from 1, 2, 5 for</i> ■ Includes Tygothane®** pump tube
<b>EUROPE</b> ■ <b>PSKL</b> ■ <b>CE</b>	KIT	<i>select tube # from 1, 2, 3, 4, 5 for</i> ■ Includes Santoprene® pump tube ferrules 6 mm
	KIT	<i>select tube # from 1, 2, 5 for</i> ■ Includes Tygothane®** pump tube, ferrules 6 mm

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

PART NUMBER	UM	DESCRIPTION
<b>PSKH0</b> ■	KIT	<i>select tube # from 1, 2, 7 for</i> ■ Includes Santoprene® pump tube & duckbill
<b>PSKHT</b> ■	KIT	<i>select tube # from 1 or 2 for</i> ■ Includes Tygothane®** pump tube & Pellathane® duckbill
<b>EUROPE</b> ■ <b>PSKH</b> ■ <b>CE</b>	KIT	<i>select tube # from 1, 2, 7 for</i> ■ Includes Santoprene® pump tube, duckbill & ferrules 6 mm
	KIT	<i>select tube # from 1 or 2 for</i> ■ Includes Tygothane®** pump tube, Pellathane® duckbill & ferrules 6 mm

\*\* Tygothane® tubes are application specific; confirm chemical compatibility with the chemical resistance guide in the catalog or on the website. In 26-100 psi (1.8-6.9 bar) applications with a Tygothane® tube, a Pellathane® duckbill is in the check valve; both materials are clear. BDF and M128 pumps are excluded.

CLASSIC SVP BDF M128

PUMP TUBES



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



Tygothane® Pump Tubes #1, 2 & 5

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

PART NUMBER	UM	DESCRIPTION
UCCP20	2-PK	<i>select tube # from 1, 2, 3, 4, 5, 7 for</i> Santoprene® pump tube, ferrules 1/4"
MCCP20	5-PK	
UCCPFD	2-PK	<i>select tube # from 1, 2, 7 for</i> Santoprene® pump tube & duckbills, ferrules 1/4"
UCTYGO	2-PK	<i>select tube # from 1, 2, 5 for</i> Tygothane® pump tube, ferrules 1/4"
MCTYGO	5-PK	
UCTYFD	2-PK	<i>select tube # from 1 or 2 for</i> Tygothane® pump tube, ferrules 1/4" & Pellathane® duckbills
EUROPE	UCCP2CE	2-PK <i>select tube # from 1, 2, 3, 4, 5, 7 for</i> Santoprene® pump tube, ferrules 6 mm
	MCCP2CE	5-PK
	UCFDCE	2-PK <i>select tube # from 1, 2, 7 for</i> Santoprene® pump tube & duckbills, ferrules 6 mm
	UCTYCE	2-PK <i>select tube # from 1, 2, 5 for</i> Tygothane® pump tube, ferrules 6 mm
	MCTYCE	5-PK
	UCTYDCE	2-PK <i>select tube # from 1 or 2 for</i> Tygothane® pump tube, ferrules 6 mm & Pellathane® duckbills

\* Tygothane® tubes are application specific; confirm chemical compatibility with the chemical resistance guide in the catalog or on the website. In 26-100 psi (1.8-6.9 bar) applications with a Tygothane® tube, a Pellathane® duckbill is in the check valve; both materials are clear. BDF and M128 pumps are excluded.

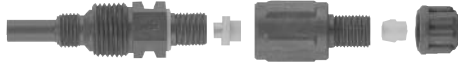
PUMP TUBE PRESSURE RATING

PUMP TUBE	0-25 psi (0-1.7 bar)	26-100 psi (1.8-6.9 bar) Check valve required
#1	✓	✓
#2	✓	✓
#3	✓	
#4	✓	
#5	✓	
#7**		✓

\*\* Classic Single Head, SVP or M128 only.

CLASSIC SVP BDF M128

## CHECK VALVE



Injection Check Valve 1/4"



Injection Check Valve 3/8"

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

PART NUMBER	UM	DESCRIPTION
<b>UCDBINJ</b> <b>MCDBINJ</b>	EA 5-PK	Includes Santoprene® duckbill, ferrule 1/4"
<b>UCINJ38</b> <b>MCINJ38</b>	EA 5-PK	Includes Santoprene® duckbill, ferrule 3/8"
<b>UCTYINJ</b> <b>MCTYINJ</b>	EA 5-PK	Includes Pellathane® duckbill, ferrule 1/4"
<b>UCTYIJ38</b> <b>MCTYIJ38</b>	EA 5-PK	Includes Pellathane® duckbill, ferrule 3/8"
<b>EUROPE</b>	<b>UCINJCE</b> <b>MCINJCE</b>	EA 5-PK Includes Santoprene® duckbill, ferrule 6 mm
	<b>UCTINJCE</b> <b>MCTINJCE</b>	EA 5-PK Includes Pellathane® duckbill, ferrule 6 mm

CLASSIC SVP BDF M128

## INJECTION PARTS



Injection Fitting

Injection Fitting with  
Nut & Ferrule 1/4"

Santoprene® Duckbill



O-Ring



Pellathane® Duckbill

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

PART NUMBER	UM	DESCRIPTION
<b>UCAK300</b> <b>MCAK300</b>	EA 5-PK	Injection Fitting with Nut & Ferrule 1/4"
<b>EUROPE</b> <b>UCAK3CE</b>	KIT	Injection Fitting with Nut & Ferrule 6 mm

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

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

\* Tygothane® tubes are application specific; confirm chemical compatibility with the chemical resistance guide in the catalog or on the website. In 26-100 psi (1.8-6.9 bar) applications with a Tygothane® tube, a Pellathane® duckbill is in the check valve; both materials are clear. BDF and M128 pumps are excluded.

CLASSIC SVP BDF M128

## 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

PART NUMBER	UM	DESCRIPTION
<b>UCAK100</b>	10-PK	Connecting Nut 1/4"
<b>MCAK100</b>	24-PK	
<b>MANUT00</b>	EA	Connecting Nut 3/8"
<b>UCADPTR</b>	2-PK	Connecting Nut 3/8" with Adapter
<b>MCADPTR</b>	5-PK	
<b>UCAK200</b>	10-PK	Ferrule 1/4"
<b>MCAK200</b>	24-PK	
<b>ST114</b>	EA	Weighted Suction Line Strainer 1/4"
<b>ST138</b>	EA	Weighted Suction Line Strainer 3/8"
<b>MAGCSGR</b>	EA	AquaShield® 8 oz. Tube
<b>AK600</b>	EA	Flow Indicator 1/4" with Bracket
<b>AK700</b>	EA	Flow Indicator 3/8" with Bracket
<b>AK900</b>	EA	Flow Indicator Bracket
<b>EUROPE</b> <b>MCAK2CE</b>	24-PK	Ferrule 6 mm
<b>ST106</b>	EA	Weighted Suction Line Strainer 6 mm
<b>AK800</b>	EA	Flow Indicator 6 mm with Bracket



Filter Assembly

## PROPORTIONAL INJECTION SYSTEM

PART NUMBER	UM	DESCRIPTION
<b>P2000</b>	EA	Filter Assembly includes filter body, cover, 30 & 100 mesh screens, ball valve

CLASSIC SVP BDF M128

## SUCTION/DISCHARGE TUBING



1/4" White



3/8" UV Black

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

# WARRANTY AND CUSTOMER SERVICE

## 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% re-stocking fee will be applied. Include a copy of your invoice or packing slip with your return.

## Damaged or Lost Shipments

Check your order immediately upon arrival. All damage must be noted on the delivery receipt. Call Stenner Customer Service at 800.683.2378 for all shortages and damages within seven (7) days of receipt.

## 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

The information contained in this catalog 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.  
Tygothane® 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.



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

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



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

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

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## **STENNER PUMP COMPANY**

3174 DeSalvo Road  
Jacksonville, Florida 32246 USA

Phone: 904.641.1666

US Toll Free: 800.683.2378

Fax: 904.642.1012

[sales@stenner.com](mailto:sales@stenner.com)

[www.stenner.com](http://www.stenner.com)

Hours of Operation (EST):

Mon.–Thu. 7:30 am–5:30 pm

Fri. 7:00 am–5:30 pm

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