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.

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)

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

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* 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.
### SINGLE HEAD ADJUSTABLE OUTPUT PUMP

#### OUTPUT

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

**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

**Voltage & Hertz**

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

**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**

**Tube Material**

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

**NOTE:** Application specific, refer to chemical resistance guide for chemical compatibility.
**SINGLE HEAD ADJUSTABLE OUTPUT PUMP**

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

**OUTPUT**

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

**Approximate Output @ 60Hz**

**Approximate Output @ 50Hz**

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

![Build an Item Number](image)

**Example**

Pump Item Number: 85MJH2A1S

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

**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.
**SINGLE HEAD FIXED OUTPUT PUMP**

0-25 psi (0-1.7 bar)

### OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Item Number</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
<th>Gallons per Minute</th>
<th>Liters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>45M1</td>
<td>45MFL1 #1</td>
<td>3.0</td>
<td>11.4</td>
<td>0.13</td>
<td>0.48</td>
<td>0.27</td>
<td>7.92</td>
<td>9.1</td>
<td>0.38</td>
<td>6.32</td>
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</tr>
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<td>45MFL2 #2</td>
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<td>37.9</td>
<td>0.42</td>
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<td>0.89</td>
<td>26.32</td>
<td>30.3</td>
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<td>83.3</td>
<td>0.92</td>
<td>3.47</td>
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<td>57.85</td>
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<td>45MFL5 #5</td>
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<td>189.3</td>
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<td>4.44</td>
<td>131.43</td>
<td>151.4</td>
<td>6.31</td>
<td>105.14</td>
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<tr>
<td>85M1</td>
<td>85MFL1 #1</td>
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<td>18.9</td>
<td>0.21</td>
<td>0.79</td>
<td>0.44</td>
<td>13.13</td>
<td>15.1</td>
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<td>10.49</td>
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<td>0.71</td>
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<td>44.65</td>
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<td>85MFL3 #3</td>
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<td>3.55</td>
<td>105.14</td>
<td>121.1</td>
<td>5.05</td>
<td>84.10</td>
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<td>126.18</td>
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<tr>
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<td>85MFL5 #5</td>
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<td>321.8</td>
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<td>13.40</td>
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<td>223.40</td>
<td>257.4</td>
<td>10.73</td>
<td>178.75</td>
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<td></td>
</tr>
</tbody>
</table>

**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**
- **7G** 7.5-Gallon UV Gray
- **7N** 7.5-Gallon White
- **1G** 15-Gallon UV Gray
- **1N** 15-Gallon White
- **3G** 30-Gallon UV Gray
- **3N** 30-Gallon White

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

**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

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

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

**NOTE:** Application specific, refer to chemical resistance guide for chemical compatibility.
## SINGLE HEAD FIXED OUTPUT PUMP

### OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
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<td>45MFH1</td>
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<td>3.0</td>
<td>11.4</td>
<td>0.13</td>
<td>0.48</td>
<td>0.27</td>
<td>7.92</td>
<td>9.1</td>
<td>0.38</td>
<td>6.32</td>
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<td>0.89</td>
<td>26.32</td>
<td>30.3</td>
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<td>22.0</td>
<td>83.3</td>
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<td>57.85</td>
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<td>2.78</td>
<td>46.25</td>
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<td>#1</td>
<td>5.0</td>
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<td>#7</td>
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<td>121.1</td>
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</tr>
</tbody>
</table>

**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
- **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

---

**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.
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.

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)

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

OUTPUT

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

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

OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>100DMP5</td>
<td>100JH1</td>
<td>#1</td>
<td>0.3 to 6.0</td>
<td>1.1 to 22.7</td>
<td>0.01 to 0.25</td>
<td>0.05 to 0.95</td>
<td>0.03 to 0.53</td>
<td>0.76 to 15.76</td>
<td>0.9 to 18.2</td>
<td>0.04 to 0.76</td>
<td>0.61 to 12.64</td>
</tr>
<tr>
<td>100DMP20</td>
<td>100JH2</td>
<td>#2</td>
<td>1.0 to 20.0</td>
<td>3.8 to 75.7</td>
<td>0.04 to 0.83</td>
<td>0.16 to 3.15</td>
<td>0.09 to 1.78</td>
<td>2.64 to 52.57</td>
<td>3.0 to 60.6</td>
<td>0.13 to 2.53</td>
<td>2.11 to 42.06</td>
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<td>170JH1</td>
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<td>1.9 to 37.9</td>
<td>0.02 to 0.42</td>
<td>0.08 to 1.58</td>
<td>0.04 to 0.89</td>
<td>1.32 to 26.32</td>
<td>1.5 to 30.3</td>
<td>0.06 to 1.26</td>
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<td>1.7 to 34.0</td>
<td>6.4 to 128.7</td>
<td>0.07 to 1.42</td>
<td>0.27 to 5.36</td>
<td>0.15 to 3.02</td>
<td>4.44 to 89.38</td>
<td>5.1 to 102.6</td>
<td>0.21 to 4.29</td>
<td>3.54 to 71.55</td>
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</tbody>
</table>

Approximate Output @ 60Hz

<table>
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<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>100DMP5</td>
<td>100JH1</td>
<td>#1</td>
<td>0.3 to 6.0</td>
<td>1.1 to 22.7</td>
<td>0.01 to 0.25</td>
<td>0.05 to 0.95</td>
<td>0.03 to 0.53</td>
<td>0.76 to 15.76</td>
<td>0.9 to 18.2</td>
<td>0.04 to 0.76</td>
<td>0.61 to 12.64</td>
</tr>
<tr>
<td>100DMP20</td>
<td>100JH2</td>
<td>#2</td>
<td>1.0 to 20.0</td>
<td>3.8 to 75.7</td>
<td>0.04 to 0.83</td>
<td>0.16 to 3.15</td>
<td>0.09 to 1.78</td>
<td>2.64 to 52.57</td>
<td>3.0 to 60.6</td>
<td>0.13 to 2.53</td>
<td>2.11 to 42.06</td>
</tr>
<tr>
<td>170DMP9</td>
<td>170JH1</td>
<td>#1</td>
<td>0.5 to 10.0</td>
<td>1.9 to 37.9</td>
<td>0.02 to 0.42</td>
<td>0.08 to 1.58</td>
<td>0.04 to 0.89</td>
<td>1.32 to 26.32</td>
<td>1.5 to 30.3</td>
<td>0.06 to 1.26</td>
<td>1.04 to 21.04</td>
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<tr>
<td>170DMP34</td>
<td>170JH2</td>
<td>#2</td>
<td>1.7 to 34.0</td>
<td>6.4 to 128.7</td>
<td>0.07 to 1.42</td>
<td>0.27 to 5.36</td>
<td>0.15 to 3.02</td>
<td>4.44 to 89.38</td>
<td>5.1 to 102.6</td>
<td>0.21 to 4.29</td>
<td>3.54 to 71.55</td>
</tr>
</tbody>
</table>

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
- **Voltage & Hertz**
  - A 120V 60Hz
  - B 220V 60Hz
  - C 230V 50Hz, CEE7 Cord INTERNATIONAL
  - D 250V 50Hz, CEE7 Cord INTERNATIONAL
- **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
- **Tube Material**
  - S Santoprene®
  - T Tygothane® (#1& 2 only)
- **NOTE:** Application specific, refer to chemical resistance guide for chemical compatibility.

**Example**

Pump Item Number: 170JH2A1S
- 170DMP34 Pump
- 120V 60Hz
- 1/4" White Suction & Discharge Tubing
- Santoprene® Tube
### DOUBLE HEAD FIXED OUTPUT PUMP

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

### OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
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<td>100FL1 #1</td>
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<td>6.0</td>
<td>22.7</td>
<td>0.25</td>
<td>0.95</td>
<td>0.53</td>
<td>15.76</td>
<td>18.2</td>
<td>0.76</td>
<td>12.64</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>100DM2</td>
<td>100FL2 #2</td>
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<td>20.0</td>
<td>75.7</td>
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<td>3.15</td>
<td>1.78</td>
<td>52.57</td>
<td>60.6</td>
<td>2.53</td>
<td>42.06</td>
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<td></td>
</tr>
<tr>
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<td>100FL3 #3</td>
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<td>115.63</td>
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<td>262.88</td>
<td>302.8</td>
<td>12.61</td>
<td>210.28</td>
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<td></td>
</tr>
<tr>
<td>170DM1</td>
<td>170FL1 #1</td>
<td></td>
<td>10.0</td>
<td>37.9</td>
<td>0.42</td>
<td>1.58</td>
<td>0.89</td>
<td>26.32</td>
<td>30.3</td>
<td>1.26</td>
<td>21.04</td>
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<tr>
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<td>34.0</td>
<td>128.7</td>
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<td>5.36</td>
<td>3.02</td>
<td>89.38</td>
<td>102.6</td>
<td>4.29</td>
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<tr>
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<td>80.0</td>
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<td>7.11</td>
<td>210.28</td>
<td>242.2</td>
<td>10.09</td>
<td>168.22</td>
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<td></td>
</tr>
<tr>
<td>170DM4</td>
<td>170FL4 #4</td>
<td></td>
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<td>454.2</td>
<td>5.00</td>
<td>18.93</td>
<td>10.66</td>
<td>315.42</td>
<td>363.4</td>
<td>15.14</td>
<td>252.36</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>170DM5</td>
<td>170FL5 #5</td>
<td></td>
<td>170.0</td>
<td>643.6</td>
<td>7.08</td>
<td>26.80</td>
<td>15.10</td>
<td>446.88</td>
<td>514.8</td>
<td>21.45</td>
<td>357.50</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

**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

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

**NOTE:** Application specific, refer to chemical resistance guide for chemical compatibility.
### DOUBLE HEAD FIXED OUTPUT PUMP

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

**OUTPUT**

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number</th>
<th>Pump Tube Number</th>
<th>Gallons/Liters per Day</th>
<th>Gallons/Liters per Hour</th>
<th>Liters/Minutes</th>
<th>Ounces/Milliliters per Minute</th>
<th>Milliliters/Liters per Minute</th>
<th>Approximate Output @ 60Hz</th>
<th>Approximate Output @ 50Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>100DMPH5</td>
<td>100FH1</td>
<td>#1</td>
<td>6.0</td>
<td>22.7</td>
<td>0.25</td>
<td>0.95</td>
<td>0.53</td>
<td>15.76</td>
<td>18.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100DMPH20</td>
<td>100FH2</td>
<td>#2</td>
<td>20.0</td>
<td>75.7</td>
<td>0.83</td>
<td>3.15</td>
<td>1.78</td>
<td>52.57</td>
<td>60.6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>170DMPH9</td>
<td>170FH1</td>
<td>#1</td>
<td>10.0</td>
<td>37.9</td>
<td>0.42</td>
<td>1.58</td>
<td>0.89</td>
<td>26.32</td>
<td>30.3</td>
</tr>
<tr>
<td>170DMPH34</td>
<td>170FH2</td>
<td>#2</td>
<td>34.0</td>
<td>128.7</td>
<td>1.42</td>
<td>5.36</td>
<td>3.02</td>
<td>89.38</td>
<td>102.6</td>
</tr>
</tbody>
</table>

**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

- **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

- **Tube Material**
  - S: Santoprene®
  - T: Tygothane® (#1 & 2 only)

**NOTE:** Contact the factory for additional voltage and cord options. Application specific, refer to chemical resistance guide for chemical compatibility.

---

**Example**

Pump Item Number: 100FHB1S
- 100DMPH5 Pump
- 220V 60Hz
- 1/4" White Suction & Discharge Tubing
- Santoprene® Tube
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.

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®, optional Tygothane® #1, #2 & #5 tubes, FDA approved
- **CV Duckbill with Tygothane® Tube** Pellathane®, PU
- **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.
# VARIABLE SPEED PUMP

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

### OUTPUT

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

* 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**

**Suction & Discharge Tubing**
- 1 1/4" White
- 3 3/8" White
- 5 6 mm White **EUROPE**

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

**NOTE:** Contact the factory for additional voltage and cord options.
# VARIABLE SPEED PUMP

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

### OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>SVP1H1</td>
<td>SVP1H1</td>
<td>#1</td>
<td>0.3 to 5.0</td>
<td>1.1 to 18.9</td>
<td>0.01 to 0.21</td>
<td>0.05 to 0.79</td>
<td>0.03 to 0.44</td>
<td>0.76 to 13.13</td>
</tr>
<tr>
<td>SVP1H2</td>
<td>SVP1H2</td>
<td>#2</td>
<td>0.8 to 17.0</td>
<td>3.0 to 64.4</td>
<td>0.03 to 0.71</td>
<td>0.13 to 2.68</td>
<td>0.07 to 1.51</td>
<td>2.08 to 44.65</td>
</tr>
<tr>
<td>SVP1H3</td>
<td>SVP1H7</td>
<td>#7</td>
<td>2.0 to 40.0</td>
<td>7.6 to 151.4</td>
<td>0.08 to 1.67</td>
<td>0.32 to 6.31</td>
<td>0.18 to 3.55</td>
<td>5.27 to 105.14</td>
</tr>
<tr>
<td>SVP4H1</td>
<td>SVP4H1</td>
<td>#1</td>
<td>0.3 to 5.0</td>
<td>1.1 to 18.9</td>
<td>0.01 to 0.21</td>
<td>0.05 to 0.79</td>
<td>0.03 to 0.44</td>
<td>0.76 to 13.13</td>
</tr>
<tr>
<td>SVP4H2</td>
<td>SVP4H2</td>
<td>#2</td>
<td>0.8 to 17.0</td>
<td>3.0 to 64.4</td>
<td>0.03 to 0.71</td>
<td>0.13 to 2.68</td>
<td>0.07 to 1.51</td>
<td>2.08 to 44.65</td>
</tr>
<tr>
<td>SVP4H3</td>
<td>SVP4H7</td>
<td>#7</td>
<td>2.0 to 40.0</td>
<td>7.6 to 151.4</td>
<td>0.08 to 1.67</td>
<td>0.32 to 6.31</td>
<td>0.18 to 3.55</td>
<td>5.27 to 105.14</td>
</tr>
</tbody>
</table>

### 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

* 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.

---

**Example**

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

---

USA and Canada 800.683.2378, International 904.641.1666
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.

- 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.

Shipping Weight 9 lbs (4 kg)
Box Dimensions 16 x 9 x 9 in. (40.6 x 22.9 x 22.9 cm)
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.*
PROGRAMMABLE PUMP 24-HOUR & 7-DAY
0-25 psi (0-1.7 bar)

OUTPUT

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

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
F 120V 60Hz, USA 10' Cord

Suction & Discharge Tubing
1 1/4” White
NOTE: O.D. does not affect output.

Tube Material
S Santoprene®

Example
Pump Item Number: BDFHL5F1S
- 25BDF5 Pump
- 120V 60Hz
- 1/4” White Suction & Discharge Tubing
- Santoprene® Tube
## PROGRAMMABLE PUMP 24-HOUR & 7-DAY

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

### OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Ounces per Hour</th>
<th>Milliliters per Hour</th>
<th>1 Dose oz</th>
<th>2 Doses oz</th>
<th>3 Doses oz</th>
<th>4 Doses oz</th>
<th>5 Doses oz</th>
<th>6 Doses oz</th>
</tr>
</thead>
<tbody>
<tr>
<td>25BDF1HP</td>
<td>BDFHH1</td>
<td>#1</td>
<td>0.06 to 1.30</td>
<td>2 to 39</td>
<td>0.06</td>
<td>0.12</td>
<td>0.18</td>
<td>0.24</td>
<td>0.30</td>
<td>0.36</td>
</tr>
<tr>
<td>25BDF2HP</td>
<td>BDFHH2</td>
<td>#2</td>
<td>0.21 to 4.50</td>
<td>6 to 134</td>
<td>0.21</td>
<td>0.42</td>
<td>0.63</td>
<td>0.84</td>
<td>1.05</td>
<td>1.26</td>
</tr>
<tr>
<td>25BDF1HP-7</td>
<td>BDF7H1</td>
<td>#1</td>
<td>0.06 to 1.30</td>
<td>2 to 39</td>
<td>0.06</td>
<td>0.12</td>
<td>0.18</td>
<td>0.24</td>
<td>0.30</td>
<td>0.36</td>
</tr>
<tr>
<td>25BDF2HP-7</td>
<td>BDF7H2</td>
<td>#2</td>
<td>0.21 to 4.50</td>
<td>6 to 134</td>
<td>0.21</td>
<td>0.42</td>
<td>0.63</td>
<td>0.84</td>
<td>1.05</td>
<td>1.26</td>
</tr>
</tbody>
</table>

**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

**Voltage & Hertz**
- **F** 120V 60Hz, USA 10' Cord

**Suction & Discharge Tubing**
- **1** 1/4" White
  - NOTE: O.D. does not affect output.

**Tube Material**
- **S** Santoprene®
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.

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.

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

**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 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.
PROPORTIONAL PUMP 1:128
0-25 psi (0-1.7 bar)

OUTPUT

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>M05</td>
<td>M05</td>
<td>#5</td>
<td>95.0</td>
<td>359.6</td>
<td>3.96</td>
<td>14.98</td>
<td>8.44</td>
<td>249.73</td>
</tr>
</tbody>
</table>

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.

SIZING FOR 1:128 DOSING

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Pressure</th>
<th>Pump Tube Number</th>
<th>Max. Output @50/60Hz oz/min</th>
<th>Max. System Water Flow for 1:128 Dosing gal/min</th>
<th>Max. System Water Flow for 1:128 Dosing L/min</th>
</tr>
</thead>
<tbody>
<tr>
<td>M05</td>
<td>25 psi (1.7 bar)</td>
<td>#5</td>
<td>8.4</td>
<td>8.4</td>
<td>31.8</td>
</tr>
</tbody>
</table>

BUILD AN ITEM NUMBER

Example:
- Pump Item Number: M0511
  - M05 Pump
  - 120V 60Hz
  - 1 gallon/pulse

Example:
- 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Item Number Prefix</th>
<th>Pump Tube Number</th>
<th>Gallons per Day</th>
<th>Liters per Day</th>
<th>Gallons per Hour</th>
<th>Liters per Hour</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>M07</td>
<td>M07</td>
<td>#7</td>
<td>40.0</td>
<td>151.4</td>
<td>1.67</td>
<td>6.31</td>
<td>3.55</td>
<td>105.14</td>
</tr>
</tbody>
</table>

Approximate Output @ 50/60Hz

### SIZING FOR 1:128 DOSING

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

### ALTERNATIVE SIZING FOR M07 MODEL USING 1 pulse/gallon Meter

<table>
<thead>
<tr>
<th>Dosage oz/gal</th>
<th>Dosage Ratio</th>
<th>Max. System Water Flow gal/min</th>
<th>Pulse Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>1:128</td>
<td>3.5</td>
<td>1</td>
</tr>
<tr>
<td>0.50</td>
<td>1:256</td>
<td>7.0</td>
<td>2</td>
</tr>
<tr>
<td>0.25</td>
<td>1:512</td>
<td>14.0</td>
<td>4</td>
</tr>
</tbody>
</table>

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

**Item Number Prefix** = M07

**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
- **5**: 10 pulses/gallon

**System**

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

**Tank**

- **7N**: 7.5-Gallon White
- **1N**: 15-Gallon White
- **3N**: 30-Gallon White

NOTE: Tanks also sold separately on page 26.