STENNER PUMP ADVANTAGES

‣ Self-priming
‣ Can inject off-gassing solutions
‣ Easy tube replacement without tools
‣ 3 point roller assists anti-siphoning
‣ Output reproducibility
‣ Output volume not affected by back pressure
‣ Solid one piece tube construction
‣ Tube lubrication not required
‣ No vapor lock or loss of prime
‣ Foot valve not required to prime
CLASSIC SERIES
Electromechanical | Single or Double Head | Adjustable or Fixed

Quick Facts

CLASSIC 45
- Single head, adjustable or fixed output
- 0.2 to 22.0 gpd, pressures to 100 psi maximum
- 0.2 to 50.0 gpd, pressures to 25 psi maximum
- 26 rpm

CLASSIC 85
- Single head, adjustable or fixed output
- 0.3 to 40.0 gpd, pressures to 100 psi maximum
- 0.3 to 85.0 gpd, pressures to 25 psi maximum
- 44 rpm

CLASSIC 100
- Double head, adjustable or fixed output
- 0.3 to 20.0 gpd, pressures to 100 psi maximum
- 0.3 to 100.0 gpd, pressures to 25 psi maximum
- 26 rpm

CLASSIC 170
- Double head, adjustable or fixed output
- 0.5 to 34.0 gpd, pressures to 100 psi maximum
- 0.5 to 170.0 gpd, pressures to 25 psi maximum
- 44 rpm

Features
- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- Adjustable models:
  - External adjustable dial ring on feed rate control
  - 20:1 turndown, 2.5% increments
- Single head models:
  - Available as Tank Systems: 7.5, 15, 30 gallon
  - Fixed output pump can be utilized for proportional dosing, refer to pages 46-47
- Components are interchangeable between models
- Tank System ships pre-assembled for quick installations

Versatile and Time-Tested
For over 60 years, the versatile peristaltic Classic Series remains a popular choice with installers. The pump is easy to service or convert to another model. Injection can be directly into the water line and activated by a pressure switch or controller.
Weights and Dimensions

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

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

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

**Double Head Fixed**
- **Shipping Weight**: 10 lbs (4.1 kg)
- **Box Dimensions**: 18 x 8 x 10 in. (46 x 21 x 25 cm)
- **Product Dimensions**

**Accessories Shipped with Each Pump**
- 3 Connecting nuts 1/4" or 3/8"
- 3 Ferrules 1/4" or 6 mm *Europe*
- 1 Injection check valve 100 psi (6.9 bar) maximum
- or injection fitting 25 psi (1.7 bar) maximum
- 1 Weighted suction line strainer 1/4", 3/8" or 6 mm *Europe*
- 1 20' Roll suction/discharge tubing 1/4" or 3/8", white or UV black
- or 6 mm white *Europe*
- 1 Additional pump tube
- 2 Additional latches
- 1 Mounting bracket
- 1 Manual

**Specifications**
- **Flow Rate Output Control**
  Adjustable model: External dial ring
- **Reproducibility**: ±2%
- **Maximum Working Pressure**
  25 psi (1.7 bar), 100 psi (6.9 bar)
- **Maximum Operating Temperature**: 125°F (52°C)
- **Maximum Suction Lift**: 25 ft (7.6 m) vertical lift, based on water
- **Motor Type**: 1/30 HP, shaded pole, class B
- **Shaft rpm**: (average maximum) 26 or 44
- **Duty Cycle**: Continuous
- **Maximum Viscosity**: 1500 Centipoise
- **Motor Voltage (Amp Draw)**
  120V 60Hz 1PH (1.7), 220V 60Hz 1PH (0.9),
  230V 50Hz 1PH (0.9), 250V 50Hz 1PH (0.9)
- **Power Cord Type**
  120V 60Hz, 220V 60Hz: SJTOW
  230V 50Hz, 250V 50Hz: H05VV-F
- **Power Cord Plug End**
  120V 60Hz NEMA 5-15P, 220V 60Hz NEMA 6-15P,
  230V 50Hz CEE7/7, 250V 50Hz CEE7/7
- **Power Cord Length**: 6 ft (1.8 m)
- **Classification**: Indoor and suitable for Outdoor when installed with a Sterner Rain Roof part # MP90000

**Materials of Construction**
- **All Housings**: Polycarbonate
- **Pump Tube**: Santoprene®, FDA approved or Versilon®
- **Check Valve Duckbill**: Santoprene®, FDA approved or Pellethane®
- **Pump Head Rollers**: Polyethylene
- **Roller Bushings**: Oil impregnated bronze
- **Suction/Discharge Tubing, Ferrules 1/4" & 6 mm**: Polyethylene, FDA approved
- **Tube Fittings, Check Valve Fittings**: PVC or Polypropylene, NSF listed
- **Connecting Nuts**: PVC or Polypropylene, NSF listed
- **3/8" Adapter**: PVC or Polypropylene, NSF listed
- **Suction Line Strainer and Cap**: PVC or Polypropylene, NSF listed with Ceramic Weight
- **All Fasteners**: Stainless steel
- **Pump Head Latches**: Polypropylene

Note: Refer to the chemical guide for material compatibility.

**Agency Listings**
- **Models** (Santoprene® only) tested by Water Quality Association to conform to ANSI/NSF STD 61 & 372
- **Adjustable models** (Santoprene® only) tested by ETL to conform to ANSI/NSF STD 50
- **Fixed output models** (Santoprene® only) tested by ETL to conform to ANSI/NSF STD 50 only when used with ANSI/NSF STD 50 listed controllers

Listings vary by model.

USA and Canada 800.683.2378, International 904.641.1666
### Single Head Adjustable 25 psi (1.7 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Minute</th>
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<th>Milliliters per Day</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
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<td>1</td>
<td>0.2 to 3.0</td>
<td>0.01 to 0.13</td>
<td>0.02 to 0.27</td>
<td>0.8 to 11.4</td>
<td>0.03 to 0.48</td>
<td>0.56 to 7.92</td>
<td>0.6 to 9.1</td>
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<td>1.9 to 37.9</td>
<td>0.08 to 1.58</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>45MJL3</td>
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<td>0.18 to 3.47</td>
<td>2.92 to 57.85</td>
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<td>0.15 to 3.11</td>
<td>6.4 to 132.5</td>
<td>0.27 to 5.52</td>
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<td>0.40 to 7.89</td>
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<td>5.27 to 105.14</td>
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### Single Head Adjustable 100 psi (6.9 bar) maximum Flow Rate Outputs

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</thead>
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<td>0.8 to 11.4</td>
<td>0.03 to 0.48</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>
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<td>45MJH2</td>
<td>2</td>
<td>0.5 to 10.0</td>
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<td>0.04 to 0.89</td>
<td>1.9 to 37.9</td>
<td>0.08 to 1.58</td>
<td>1.32 to 26.32</td>
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<td>4.2 to 83.3</td>
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<tr>
<td>85MJH1</td>
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<td>0.3 to 5.0</td>
<td>0.01 to 0.21</td>
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<td>0.05 to 0.79</td>
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<td>7.6 to 151.4</td>
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</tbody>
</table>

### To Order, Build Pump Item Number

Insert item number prefix and code for each specification.

### Optional

To order Tank System, insert code before pump item number.

### Suction & Discharge Tubing

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>S</td>
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</tr>
<tr>
<td>T</td>
<td>Versilon®</td>
</tr>
</tbody>
</table>

For International options, refer to the chemical guide for material compatibility.

### NOTICE

The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs. To reduce feed rate control wear, select the pump with a maximum flow rate output that most closely matches your application’s maximum need.

Note: Injection check valve included with pumps rated 100 psi (6.9 bar) maximum.
Single Head Fixed 25 psi (1.7 bar) maximum Flow Rate Outputs

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<tr>
<th>Item Number Prefix</th>
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<td>1.26</td>
<td>21.04</td>
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<tr>
<td>45MFL3</td>
<td>3</td>
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<td>1.96</td>
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<td>3.47</td>
<td>57.85</td>
<td>66.6</td>
<td>2.78</td>
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<td>35.0</td>
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<td>85MFL1</td>
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<td>257.4</td>
<td>10.73</td>
<td>178.75</td>
</tr>
</tbody>
</table>

Approximate Output @ 60Hz
Approximate Output @ 50Hz

Single Head Fixed 100 psi (6.9 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Minute</th>
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<td>5.0</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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</table>

Approximate Output @ 60Hz
Approximate Output @ 50Hz

To Order, Build Pump Item Number
Insert item number prefix and code for each specification.

To Order Tank System, insert code before pump item number.

OPTtINAL

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

NOTICE: The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.
**Double Head Adjustable 25 psi (1.7 bar) maximum Flow Rate Outputs**  
Approximate 20:1 turndown, 2.5% increments

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<tr>
<th>Item Number Prefix</th>
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<td>0.3 to 6.0</td>
<td>0.01 to 0.25</td>
<td>0.03 to 0.53</td>
<td>1.1 to 22.7</td>
<td>0.05 to 0.95</td>
<td>0.76 to 15.76</td>
<td>0.9 to 18.2</td>
</tr>
<tr>
<td>100JL2</td>
<td>2</td>
<td>1.0 to 20.0</td>
<td>0.04 to 0.83</td>
<td>0.09 to 1.78</td>
<td>3.8 to 75.7</td>
<td>0.16 to 3.15</td>
<td>2.64 to 52.57</td>
<td>3.0 to 60.6</td>
</tr>
<tr>
<td>100JL3</td>
<td>3</td>
<td>2.2 to 44.0</td>
<td>0.09 to 1.83</td>
<td>0.19 to 3.91</td>
<td>8.3 to 166.5</td>
<td>0.35 to 6.94</td>
<td>5.76 to 115.63</td>
<td>6.6 to 133.2</td>
</tr>
<tr>
<td>100JL4</td>
<td>4</td>
<td>3.5 to 70.0</td>
<td>0.15 to 2.92</td>
<td>0.31 to 6.62</td>
<td>13.2 to 265.0</td>
<td>0.55 to 11.04</td>
<td>9.17 to 184.03</td>
<td>10.6 to 212.0</td>
</tr>
<tr>
<td>100JL5</td>
<td>5</td>
<td>5.0 to 100.0</td>
<td>0.21 to 4.17</td>
<td>0.44 to 8.88</td>
<td>18.9 to 378.5</td>
<td>0.79 to 15.77</td>
<td>13.13 to 262.88</td>
<td>15.1 to 302.8</td>
</tr>
<tr>
<td>170JL1</td>
<td>1</td>
<td>0.5 to 10.0</td>
<td>0.02 to 0.42</td>
<td>0.04 to 0.89</td>
<td>1.9 to 37.9</td>
<td>0.08 to 1.58</td>
<td>1.32 to 26.32</td>
<td>1.5 to 30.3</td>
</tr>
<tr>
<td>170JL2</td>
<td>2</td>
<td>1.7 to 34.0</td>
<td>0.07 to 1.42</td>
<td>0.15 to 3.02</td>
<td>6.4 to 128.7</td>
<td>0.27 to 5.36</td>
<td>4.44 to 89.38</td>
<td>5.1 to 102.6</td>
</tr>
<tr>
<td>170JL3</td>
<td>3</td>
<td>4.0 to 80.0</td>
<td>0.17 to 3.33</td>
<td>0.35 to 7.11</td>
<td>15.1 to 302.8</td>
<td>0.63 to 12.62</td>
<td>10.49 to 210.28</td>
<td>12.1 to 242.2</td>
</tr>
<tr>
<td>170JL4</td>
<td>4</td>
<td>6.0 to 120.0</td>
<td>0.25 to 5.00</td>
<td>0.53 to 10.66</td>
<td>22.7 to 454.2</td>
<td>0.95 to 18.93</td>
<td>15.76 to 315.42</td>
<td>18.2 to 363.4</td>
</tr>
<tr>
<td>170JL5</td>
<td>5</td>
<td>8.5 to 170.0</td>
<td>0.35 to 7.08</td>
<td>0.76 to 15.10</td>
<td>32.2 to 643.5</td>
<td>1.34 to 26.80</td>
<td>22.36 to 448.88</td>
<td>25.7 to 514.8</td>
</tr>
</tbody>
</table>

**Double Head Adjustable 100 psi (6.9 bar) maximum Flow Rate Outputs**  
Approximate 20:1 turndown, 2.5% increments

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Liters per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>100JH1</td>
<td>1</td>
<td>0.3 to 6.0</td>
<td>0.01 to 0.25</td>
<td>0.03 to 0.53</td>
<td>1.1 to 22.7</td>
<td>0.05 to 0.95</td>
<td>0.76 to 15.76</td>
<td>0.9 to 18.2</td>
</tr>
<tr>
<td>100JH2</td>
<td>2</td>
<td>1.0 to 20.0</td>
<td>0.04 to 0.83</td>
<td>0.09 to 1.78</td>
<td>3.8 to 75.7</td>
<td>0.16 to 3.15</td>
<td>2.64 to 52.57</td>
<td>3.0 to 60.6</td>
</tr>
<tr>
<td>100JH3</td>
<td>3</td>
<td>2.2 to 44.0</td>
<td>0.09 to 1.83</td>
<td>0.19 to 3.91</td>
<td>8.3 to 166.5</td>
<td>0.35 to 6.94</td>
<td>5.76 to 115.63</td>
<td>6.6 to 133.2</td>
</tr>
<tr>
<td>100JH4</td>
<td>4</td>
<td>3.5 to 70.0</td>
<td>0.15 to 2.92</td>
<td>0.31 to 6.62</td>
<td>13.2 to 265.0</td>
<td>0.55 to 11.04</td>
<td>9.17 to 184.03</td>
<td>10.6 to 212.0</td>
</tr>
<tr>
<td>100JH5</td>
<td>5</td>
<td>5.0 to 100.0</td>
<td>0.21 to 4.17</td>
<td>0.44 to 8.88</td>
<td>18.9 to 378.5</td>
<td>0.79 to 15.77</td>
<td>13.13 to 262.88</td>
<td>15.1 to 302.8</td>
</tr>
<tr>
<td>170JH1</td>
<td>1</td>
<td>0.5 to 10.0</td>
<td>0.02 to 0.42</td>
<td>0.04 to 0.89</td>
<td>1.9 to 37.9</td>
<td>0.08 to 1.58</td>
<td>1.32 to 26.32</td>
<td>1.5 to 30.3</td>
</tr>
<tr>
<td>170JH2</td>
<td>2</td>
<td>1.7 to 34.0</td>
<td>0.07 to 1.42</td>
<td>0.15 to 3.02</td>
<td>6.4 to 128.7</td>
<td>0.27 to 5.36</td>
<td>4.44 to 89.38</td>
<td>5.1 to 102.6</td>
</tr>
<tr>
<td>170JH3</td>
<td>3</td>
<td>4.0 to 80.0</td>
<td>0.17 to 3.33</td>
<td>0.35 to 7.11</td>
<td>15.1 to 302.8</td>
<td>0.63 to 12.62</td>
<td>10.49 to 210.28</td>
<td>12.1 to 242.2</td>
</tr>
<tr>
<td>170JH4</td>
<td>4</td>
<td>6.0 to 120.0</td>
<td>0.25 to 5.00</td>
<td>0.53 to 10.66</td>
<td>22.7 to 454.2</td>
<td>0.95 to 18.93</td>
<td>15.76 to 315.42</td>
<td>18.2 to 363.4</td>
</tr>
<tr>
<td>170JH5</td>
<td>5</td>
<td>8.5 to 170.0</td>
<td>0.35 to 7.08</td>
<td>0.76 to 15.10</td>
<td>32.2 to 643.5</td>
<td>1.34 to 26.80</td>
<td>22.36 to 448.88</td>
<td>25.7 to 514.8</td>
</tr>
</tbody>
</table>

**To Order, Build Pump Item Number**

Insert item number prefix and code for each specification.

<table>
<thead>
<tr>
<th>Code</th>
<th>Voltage &amp; Hertz</th>
<th>Suction &amp; Discharge Tubing</th>
<th>Tube Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>120V 60Hz</td>
<td>1/4” White</td>
<td>Santoprene®</td>
</tr>
<tr>
<td>B</td>
<td>220V 60Hz</td>
<td>1/4” UV Black</td>
<td>Versilon®</td>
</tr>
<tr>
<td>C</td>
<td>230V 50Hz</td>
<td>3/8” White</td>
<td>(Not available)</td>
</tr>
<tr>
<td>D</td>
<td>250V 50Hz</td>
<td>3/8” UV Black</td>
<td></td>
</tr>
</tbody>
</table>

O.D does not affect output.

To reduce feed rate control wear, select the pump with a maximum flow rate output that most closely matches your application’s maximum need.

**NOTE:** Injection check valve included with pumps rated 100 psi (6.9 bar) maximum.

**NOTICE:** The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs. To reduce feed rate control wear, select the pump with a maximum flow rate output that most closely matches your application’s maximum need.
### Double Head Fixed 25 psi (1.7 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Liters per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Liters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>100F1</td>
<td>1</td>
<td>6.0</td>
<td>0.25</td>
<td>0.53</td>
<td>22.7</td>
<td>0.95</td>
<td>15.76</td>
<td>18.2</td>
<td>0.76</td>
<td>12.64</td>
</tr>
<tr>
<td>100F2</td>
<td>2</td>
<td>20.0</td>
<td>0.83</td>
<td>1.78</td>
<td>75.7</td>
<td>3.15</td>
<td>52.57</td>
<td>60.6</td>
<td>2.53</td>
<td>42.06</td>
</tr>
<tr>
<td>100F3</td>
<td>3</td>
<td>44.0</td>
<td>1.83</td>
<td>3.91</td>
<td>166.5</td>
<td>6.94</td>
<td>115.63</td>
<td>133.2</td>
<td>5.55</td>
<td>92.50</td>
</tr>
<tr>
<td>100F4</td>
<td>4</td>
<td>70.0</td>
<td>2.92</td>
<td>6.22</td>
<td>265.0</td>
<td>11.04</td>
<td>184.03</td>
<td>212.0</td>
<td>8.83</td>
<td>147.22</td>
</tr>
<tr>
<td>100F5</td>
<td>5</td>
<td>100.0</td>
<td>4.17</td>
<td>8.88</td>
<td>378.5</td>
<td>15.77</td>
<td>262.88</td>
<td>302.8</td>
<td>12.61</td>
<td>210.28</td>
</tr>
<tr>
<td>170F1</td>
<td>1</td>
<td>10.0</td>
<td>0.42</td>
<td>0.89</td>
<td>37.9</td>
<td>1.58</td>
<td>26.32</td>
<td>30.3</td>
<td>1.26</td>
<td>21.04</td>
</tr>
<tr>
<td>170F2</td>
<td>2</td>
<td>34.0</td>
<td>1.42</td>
<td>3.02</td>
<td>128.7</td>
<td>5.36</td>
<td>89.38</td>
<td>102.6</td>
<td>4.29</td>
<td>71.55</td>
</tr>
<tr>
<td>170F3</td>
<td>3</td>
<td>80.0</td>
<td>3.33</td>
<td>7.11</td>
<td>302.8</td>
<td>12.62</td>
<td>210.28</td>
<td>242.2</td>
<td>10.09</td>
<td>168.22</td>
</tr>
<tr>
<td>170F4</td>
<td>4</td>
<td>120.0</td>
<td>5.00</td>
<td>10.66</td>
<td>454.2</td>
<td>18.93</td>
<td>315.42</td>
<td>363.4</td>
<td>15.14</td>
<td>252.36</td>
</tr>
<tr>
<td>170F5</td>
<td>5</td>
<td>170.0</td>
<td>7.08</td>
<td>15.10</td>
<td>643.6</td>
<td>26.80</td>
<td>446.88</td>
<td>514.8</td>
<td>21.45</td>
<td>357.50</td>
</tr>
</tbody>
</table>

Approximate Output @ 60Hz

### Double Head Fixed 100 psi (6.9 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Liters per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Liters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>100F1</td>
<td>1</td>
<td>6.0</td>
<td>0.25</td>
<td>0.53</td>
<td>22.7</td>
<td>0.95</td>
<td>15.76</td>
<td>18.2</td>
<td>0.76</td>
<td>12.64</td>
</tr>
<tr>
<td>100F2</td>
<td>2</td>
<td>20.0</td>
<td>0.83</td>
<td>1.78</td>
<td>75.7</td>
<td>3.15</td>
<td>52.57</td>
<td>60.6</td>
<td>2.53</td>
<td>42.06</td>
</tr>
<tr>
<td>100F3</td>
<td>3</td>
<td>44.0</td>
<td>1.83</td>
<td>3.91</td>
<td>166.5</td>
<td>6.94</td>
<td>115.63</td>
<td>133.2</td>
<td>5.55</td>
<td>92.50</td>
</tr>
<tr>
<td>100F4</td>
<td>4</td>
<td>70.0</td>
<td>2.92</td>
<td>6.22</td>
<td>265.0</td>
<td>11.04</td>
<td>184.03</td>
<td>212.0</td>
<td>8.83</td>
<td>147.22</td>
</tr>
<tr>
<td>100F5</td>
<td>5</td>
<td>100.0</td>
<td>4.17</td>
<td>8.88</td>
<td>378.5</td>
<td>15.77</td>
<td>262.88</td>
<td>302.8</td>
<td>12.61</td>
<td>210.28</td>
</tr>
<tr>
<td>100F6</td>
<td>6</td>
<td>140.0</td>
<td>5.75</td>
<td>12.20</td>
<td>489.2</td>
<td>20.02</td>
<td>326.47</td>
<td>347.2</td>
<td>15.95</td>
<td>296.01</td>
</tr>
<tr>
<td>100F7</td>
<td>7</td>
<td>170.0</td>
<td>7.08</td>
<td>15.10</td>
<td>643.6</td>
<td>26.80</td>
<td>446.88</td>
<td>514.8</td>
<td>21.45</td>
<td>357.50</td>
</tr>
</tbody>
</table>

Approximate Output @ 50Hz

### To Order, Build Pump Item Number

Insert item number prefix and code for each specification.

<table>
<thead>
<tr>
<th>Code</th>
<th>Voltage &amp; Hertz</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>120V 60Hz</td>
</tr>
<tr>
<td>B</td>
<td>220V 60Hz</td>
</tr>
<tr>
<td>C</td>
<td>230V 50Hz</td>
</tr>
<tr>
<td>D</td>
<td>250V 50Hz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Suction &amp; Discharge Tubing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/4&quot; White</td>
</tr>
<tr>
<td>2</td>
<td>1/4&quot; UV Black</td>
</tr>
<tr>
<td>3</td>
<td>3/8&quot; White</td>
</tr>
<tr>
<td>4</td>
<td>3/8&quot; UV Black</td>
</tr>
<tr>
<td>5</td>
<td>6 mm White Europe</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Tube Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Santoprene®</td>
</tr>
<tr>
<td>T</td>
<td>Versilon®</td>
</tr>
</tbody>
</table>

Refer to the chemical guide for material compatibility.

**NOTE:** Injection check valve included with pumps rated 100 psi (6.9 bar) maximum.

**NOTICE:** The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.
The SVP series is an adjustable, variable speed, peristaltic metering pump suitable for industrial applications, municipal and wastewater treatment plants. The pump can accept a 4-20mA signal from a water treatment control such as a pH or ORP monitor to pace the pump to maintain proper water chemistry and treat effluent discharge water. The output is adjusted by increasing or decreasing the motor speed.

Manual or 4-20mA Input

The SVP is categorized with two different pump prefixes, SVP1 and SVP4. The SVP1 is manually adjusted using the keypad. The SVP4 is designed to respond directly to a 4-20mA input signal from water treatment controls. The SVP4 is equipped with an external port to accept the signal or it can be set to a manual mode and adjusted with the arrows on the keypad.

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

SVP1
- Manual output control

SVP4
- Automatic output control via 4-20mA signal or manually adjusted

Well-Suited for Industrial Applications

Features
- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- DC motor
- Motor and pump head detachable without tools
- Rugged polycarbonate housing
- Heavy duty gear motor
- 4 button keypad: prime, on/off, up & down arrows
Specifications
Flow Rate Output Control Manual or 4-20mA Input
Reproducibility ±2%
Maximum Working Pressure
25 psi (1.7 bar), 100 psi (6.9 bar)
Maximum Operating Temperature 125°F (52°C)
Maximum Suction Lift
25 ft (7.6 m) vertical lift, based on water
Motor Type 12VDC gear motor
Shaft rpm (average maximum) 47
Duty Cycle Continuous
Maximum Viscosity 1500 Centipoise
Motor Voltage (Amp Draw)
120V 50/60Hz 1PH (1.5), 220V 50/60Hz 1PH (1.5),
12VDC (4.2), 230V 50/60Hz 1PH (1.5),
250V 50/60Hz 1PH (1.5)
Power Cord Type
120V 60Hz, 220V 60Hz: SJTOW
230V 50Hz, 250V 50Hz: H05VV-F
12VDC: VW-1
Power Cord Plug End
120V 60Hz NEMA 5-15P, 220V 60Hz NEMA 6-15P,
230V 50Hz CEE7/7, 250V 50Hz CEE7/7
12VDC Pigtail connection
Power Cord Length 6 ft (1.8 m)
Classification Indoor
Materials of Construction
All Housings Polycarbonate
Pump Tube Santoprene®, FDA approved or Versilon®
Check Valve Duckbill Santoprene®, FDA approved or Pellethane®
Pump Head Rollers Polyethylene
Roller Bushings Oil impregnated bronze
Suction/Discharge Tubing, Ferrules 1/4" & 6 mm
Polyethylene, FDA approved
Tube Fittings, Check Valve Fittings
PVC or Polypropylene, NSF listed
Connecting Nuts PVC or Polypropylene, NSF listed
3/8" Adapter PVC or Polypropylene, NSF listed
Suction Line Strainer and Cap
PVC or Polypropylene, NSF listed, with Ceramic Weight
All Fasteners Stainless steel
Pump Head Latches Polypropylene
NOTE: Refer to the chemical guide for material compatibility.

Agency Listings
Models (Santoprene® only) tested by Water Quality
Association to conform to ANSI/NSF STD 61 & 372.

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

USA and Canada 800.683.2378, International 904.641.1666 9
SVP SERIES

SVP 25 psi (1.7 bar) maximum Flow Rate Outputs

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

SVP4L1 4-20mA Input* 1 0.3 to 5.0 0.01 to 0.21 0.03 to 0.44 1.1 to 18.9 0.05 to 0.79 0.76 to 13.13

SVP4L2 4-20mA Input* 2 0.8 to 17.0 0.03 to 0.71 0.07 to 1.51 3.0 to 64.4 0.13 to 2.68 2.08 to 44.65

SVP4L3 4-20mA Input* 3 2.0 to 40.0 0.08 to 1.67 0.18 to 3.55 7.6 to 151.4 0.32 to 6.31 5.27 to 105.14

SVP4L4 4-20mA Input* 4 3.0 to 60.0 0.13 to 2.50 0.27 to 5.33 11.4 to 227.1 0.48 to 9.46 7.92 to 157.71

SVP4L5 4-20mA Input* 5 4.3 to 85.0 0.18 to 3.54 0.38 to 7.55 16.3 to 321.8 0.68 to 13.40 11.32 to 223.40

SVP 100 psi (6.9 bar) maximum Flow Rate Outputs

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

SVP4H1 4-20mA Input* 1 0.3 to 5.0 0.01 to 0.21 0.03 to 0.44 1.1 to 18.9 0.05 to 0.79 0.76 to 13.13

SVP4H2 4-20mA Input* 2 0.8 to 17.0 0.03 to 0.71 0.07 to 1.51 3.0 to 64.4 0.13 to 2.68 2.08 to 44.65

SVP4H7 4-20mA Input* 7 2.0 to 40.0 0.08 to 1.67 0.18 to 3.55 7.6 to 151.4 0.32 to 6.31 5.27 to 105.14

To Order, Build Pump Item Number

Insert item number prefix and code for each specification.

- Code Voltage & Hertz
  - A 120V 60Hz
  - B 220V 60Hz
  - C 230V 50Hz International
  - D 250V 50Hz International
  - V 12VDC (No agency listings)

- Code Suction & Discharge Tubing
  - 1 1/4" White
  - 3 3/8" White
  - 5 6 mm White Europe

- Code Tube Material
  - S Santoprene®
  - T Version®

Contact the factory for additional voltage and plug options.


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

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

The S Series is a peristaltic metering pump built to NEMA 4X for demanding applications. Select from multiple operational modes and performance indicators that can interface with process control systems utilizing a 4-20mA output signal and three relay outputs. Program the pump for your application with the control panel with OLED display.

### S Series Functions

<table>
<thead>
<tr>
<th>Performance Indicators</th>
<th>Programmable Communication</th>
<th>Modes of Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Display Alarm on control panel</td>
<td>Three Output Relays to pump, system or device</td>
</tr>
<tr>
<td>Tube Change</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tube Leak</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Standby</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Drive Fault</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Off</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Run</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Mode Change</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Transfer</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Repeat Pulse</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>High Signal</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Low Signal</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>High Flow</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Low Flow</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Signal Overrun</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

* Scalable, invertible

**Quick Facts**

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

**Features**

- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- Brushless DC motor with ball bearing support
- Switch mode power supply
- Totally enclosed housing
- NEMA 4X
- NSF 61 & 372
- cULus indoor/outdoor
- CE IP65

**Modes of Operation**

- Manual
- 4-20mA (scalable & invertible)
- 0-10VDC (scalable & invertible)
- Pulse
- Hall Effect
- 7 Day Timer
- PPM Feed: Constant Flow-Flow Switch
- PPM Feed: Variable Flow-Hall Effect
- Cycle Timer
Specifications

**Flow Rate Output Control**
Varies per control mode; digital keypad

**Reproducibility** ±2%

**Maximum Working Pressure**
25 psi (1.7 bar), 100 psi (6.9 bar)

**Maximum Operating Temperature**
104°F (40°C)

**Maximum Altitude**
6562 ft. (2000 m)

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

**Motor Type**
Brushless DC motor

**Shaft rpm** (average maximum) 45

**Duty Cycle** Continuous

**Maximum Viscosity**
1500 Centipoise

**Motor Voltage (Amp Draw)**
120V 60Hz 1PH (0.6), 230V 50Hz 1PH (0.3)

**Hall Effect Max. Input Frequency**
100 KHz

**Pulse Duration Required**
10 milliseconds

**Materials of Construction**

- **All Housings**: Polycarbonate
- **Pump Tube**: Santoprene®, FDA approved, or Versilon®
- **Check Valve Duckbill**: Santoprene®, FDA approved, or Pellethane®
- **Pump Head Rollers**: Polyethylene
- **Roller Bushings**: Oil impregnated bronze
- **Suction/Discharge Tubing, Ferrules 1/4” & 6 mm**: Polyethylene, FDA approved
- **Tube Fittings, Injection Fittings**: PVC or Polypropylene, NSF listed
- **Connecting Nuts**: PVC or Polypropylene, NSF listed
- **3/8” Adapter**: PVC or Polypropylene, NSF listed
- **Suction Line Strainer and Cap**: PVC or Polypropylene, NSF listed, with Ceramic Weight
- **All Fasteners**: Stainless steel
- **Pump Head Latches**: Polypropylene
- **Leak Detect Clips, Springs, Pins**: Hastelloy®

NOTE: Refer to the chemical guide for material compatibility.

Agency Listings

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

**Weights and Dimensions**

**Shipping Weight**
9 lbs (3.7 kg)

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

**Product Dimensions**

**Accessories Shipped with Each Pump**

- 3 Connecting nuts 1/4” or 3/8”
- 3 Ferrules 1/4” or 6 mm Europe
- 1 Injection check valve 100 psi (6.9 bar) maximum
- 1 Injection fitting 25 psi (1.7 bar) maximum
- 1 Weighted suction line strainer 1/4”, 3/8” or 6 mm Europe
- 1 20’ Roll suction/discharge tubing 1/4” or 3/8”, white or UV black or 6 mm white Europe
- 1 Additional pump tube
- 2 Additional latches
- 1 Mounting bracket
- 1 Quick Start Guide

**Shipping Weight**
9 lbs (3.7 kg)

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

**Product Dimensions**

- 6.1”
- 6.4”
- 7.0”
- 6.0”
- 10.9”

**Shipping Weight**
9 lbs (3.7 kg)

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

**Product Dimensions**

- 6.1”
- 6.4”
- 7.0”
- 6.0”
- 10.9”

**Accessories Shipped with Each Pump**

- 3 Connecting nuts 1/4” or 3/8”
- 3 Ferrules 1/4” or 6 mm Europe
- 1 Injection check valve 100 psi (6.9 bar) maximum
- 1 Injection fitting 25 psi (1.7 bar) maximum
- 1 Weighted suction line strainer 1/4”, 3/8” or 6 mm Europe
- 1 20’ Roll suction/discharge tubing 1/4” or 3/8”, white or UV black or 6 mm white Europe
- 1 Additional pump tube
- 2 Additional latches
- 1 Mounting bracket
- 1 Quick Start Guide
### S Series 25 psi (1.7 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Turndown Ratio</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Liters per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>S3003</td>
<td>3</td>
<td>100:1</td>
<td>0.40 to 40</td>
<td>0.017 to 1.67</td>
<td>2.13 to 213</td>
<td>0.036 to 3.56</td>
<td>1.51 to 151</td>
<td>0.063 to 6.31</td>
<td>63.09 to 6309</td>
<td>1.05 to 105</td>
<td></td>
</tr>
<tr>
<td>S3004</td>
<td>4</td>
<td>100:1</td>
<td>0.60 to 60</td>
<td>0.025 to 2.50</td>
<td>3.20 to 320</td>
<td>0.053 to 5.33</td>
<td>2.27 to 227</td>
<td>0.095 to 9.46</td>
<td>94.64 to 9464</td>
<td>1.58 to 158</td>
<td></td>
</tr>
<tr>
<td>S3005</td>
<td>5</td>
<td>100:1</td>
<td>0.85 to 85</td>
<td>0.035 to 3.54</td>
<td>4.53 to 453</td>
<td>0.076 to 7.56</td>
<td>3.22 to 322</td>
<td>0.134 to 13.41</td>
<td>134.07 to 13407</td>
<td>2.23 to 223</td>
<td></td>
</tr>
</tbody>
</table>

### S Series 100 psi (6.9 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Turndown Ratio</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Liters per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>S3001</td>
<td>1</td>
<td>100:1</td>
<td>0.05 to 5</td>
<td>0.002 to 0.21</td>
<td>0.27 to 27</td>
<td>0.004 to 0.44</td>
<td>0.19 to 19</td>
<td>0.008 to 0.79</td>
<td>7.89 to 789</td>
<td>0.13 to 13</td>
<td></td>
</tr>
<tr>
<td>S3002</td>
<td>2</td>
<td>100:1</td>
<td>0.17 to 17</td>
<td>0.007 to 0.71</td>
<td>0.91 to 91</td>
<td>0.015 to 1.51</td>
<td>0.64 to 64</td>
<td>0.027 to 2.68</td>
<td>26.81 to 2681</td>
<td>0.45 to 45</td>
<td></td>
</tr>
<tr>
<td>S3007</td>
<td>7</td>
<td>100:1</td>
<td>0.40 to 40</td>
<td>0.017 to 1.67</td>
<td>2.13 to 213</td>
<td>0.036 to 3.56</td>
<td>1.51 to 151</td>
<td>0.063 to 6.31</td>
<td>63.09 to 6309</td>
<td>1.05 to 105</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Injection check valve included with pumps rated 100 psi (6.9 bar) maximum.

**Notice:** The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.
1:128 Injection for Livestock Water Treatment

The M128, also referred to as a medicator, doses solution at a 1:128 ratio to inject livestock water with sanitizers, disinfectants, nutrients and medication. Featuring an internal relay, the pump has a cable with four lead wires; two are connected to the water meter. For installations with a house controller, the two remaining wires are connected to the controller to register water consumption. If the pump is placed in standby, the internal relay allows the pulse meter to continue to register water consumption with the house controller.

M128 Meter System or Tank System

For convenient and quick installations or turnkey operations, the M128 Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel. The plastic water meter is certified with the Water Quality Association under ANSI/NSF 372 for low lead.

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

Quick Facts

- Potentiometer with adjustable pulse rate
  1, 2, 4, 10 ppg (10 ppg in M07 model only) or 1 ppl
- Standby setting
- Internal relay

M05
- 8.4 oz/min, pressures to 25 psi maximum

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

Activated by a Pulse Water Meter

The M128 peristaltic pump is actuated by a dry contact, pulse water meter to automatically inject solution proportional to the water flow at a rate of 1 ounce of solution to 128 ounces of process water. The pump accepts meter rates of 1, 2, 4 or 10 pulses per gallon or 1 pulse per liter. The meter rates are adjusted with the pump’s potentiometer. The standby setting can stop the pump from injecting when it receives a signal. The internal relay allows the water meter to send a signal, even if the pump is in standby mode.

Features

- Advantages of Stenner peristaltic pumps on page 1
- Fast tube replacement without tools with patent pending QuickPro® pump head
- A water bypass is not needed and there is no water restriction or pressure loss
- No need for back pressure valves and filters upstream to pull out grit, sand and debris
- Solution is not in contact with moving parts
### Specifications

**Flow Rate Output Control**
Fixed output, interfaces with water meter

**Reproducibility**
±2

**Maximum Working Pressure**
25 psi (1.7 bar), 100 psi (6.9 bar)

**Maximum Operating Temperature**
104°F (40°C)

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

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

**Shaft rpm**
(average maximum) 55

**Duty Cycle**
Continuous

**Maximum Viscosity**
100 Centipoise

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

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

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

**Power Cord Length**
6 ft (1.8 m)

**Classification**
Indoor/Outdoor

### Materials of Construction

**All Housings**
Polycarbonate

**Pump Tube & Check Valve Duckbill**
Santoprene®, FDA approved

**Pump Head Rollers**
Polyethylene

**Roller Bushings**
Oil impregnated bronze

**Suction/Discharge Tubing, Ferrules 1/4”**
Polyethylene, FDA approved

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

**Connecting Nuts**
PVC or Polypropylene, NSF listed

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

**All Fasteners**
Stainless steel

**Pump Head Latches**
Polypropylene

*NOTE: Refer to the chemical guide for material compatibility.*

### Agency Listings

[UL Listed]

USA and Canada 800.683.2378, International 904.641.1666 15
**M128 SERIES**

**M128 25 psi (1.7 bar) maximum Flow Rate Outputs**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>M05</td>
<td>5</td>
<td>8.4</td>
<td>249.7</td>
</tr>
</tbody>
</table>

**M128 100 psi (6.9 bar) maximum Flow Rate Outputs**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>M07</td>
<td>7</td>
<td>3.5</td>
<td>105.0</td>
</tr>
</tbody>
</table>

**M128 M07 Sizing with 1 pulse/gallon water meter**

<table>
<thead>
<tr>
<th>Dosage</th>
<th>Dosage Ratio</th>
<th>Maximum System Water Flow</th>
<th>Pulse Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 oz/gal</td>
<td>1:128</td>
<td>3.5 gal/min</td>
<td>1</td>
</tr>
<tr>
<td>0.5 oz/gal</td>
<td>1:256</td>
<td>7.0 gal/min</td>
<td>2</td>
</tr>
<tr>
<td>0.25 oz/gal</td>
<td>1:512</td>
<td>14.0 gal/min</td>
<td>4</td>
</tr>
</tbody>
</table>

**OPTIONAL**

To order Meter System, insert code after pump item number.

<table>
<thead>
<tr>
<th>code</th>
<th>Meter System</th>
</tr>
</thead>
<tbody>
<tr>
<td>341P</td>
<td>3/4” 1 pulse/gallon</td>
</tr>
<tr>
<td>342P</td>
<td>3/4” 2 pulses/gallon</td>
</tr>
<tr>
<td>344P</td>
<td>3/4” 4 pulses/gallon</td>
</tr>
<tr>
<td>011P</td>
<td>1” 1 pulse/gallon</td>
</tr>
<tr>
<td>012P</td>
<td>1” 2 pulses/gallon</td>
</tr>
<tr>
<td>014P</td>
<td>1” 4 pulses/gallon</td>
</tr>
</tbody>
</table>

To order Tank System, insert code after pump item number.

<table>
<thead>
<tr>
<th>code</th>
<th>Tank System</th>
</tr>
</thead>
<tbody>
<tr>
<td>7G</td>
<td>7.5-Gallon UV Gray</td>
</tr>
<tr>
<td>7N</td>
<td>7.5-Gallon White</td>
</tr>
<tr>
<td>1G</td>
<td>15-Gallon UV Gray</td>
</tr>
<tr>
<td>1N</td>
<td>15-Gallon White</td>
</tr>
<tr>
<td>3G</td>
<td>30-Gallon UV Gray</td>
</tr>
<tr>
<td>3N</td>
<td>30-Gallon White</td>
</tr>
</tbody>
</table>

*NOTE: Injection check valve included with pumps rated 100 psi (6.9 bar) maximum.*

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

- 2.7 ounces per minute, pressures to 80 psi maximum
- 1 or 10 ppg and 1 ppl water meter pulse settings
- Internal relay
- Standby setting
- Wall adapter power supply

Compact and Water Meter Activated

The Econ Stennicator injects solution at a fixed ratio of 1:128. The pulse from the water meter activates the pump at a fixed run time to deliver the proper dosage. The pump has three pulse settings, adjustable with a potentiometer, to accommodate 1 or 10 pulses per gallon or 1 pulse per liter. The pump’s internal relay feature can repeat the incoming meter signal to another Stennicator, controller or other device. Additional features include an on/off switch, prime and a standby setting.

Not a Traditional Medicator for Livestock Water

The Stennicator, Stenner’s peristaltic medicator, is not a typical 1:128 water driven proportional pump. The pump injects directly into the water line eliminating a water bypass that can restrict water flow to the drinker lines. Poor water quality, scale and solids are not harmful to the pump. The Stennicator is compact with a small footprint and can adapt to an existing pulse water meter. If utilizing a house controller, the pump’s internal relay allows the water meter to send the signal to the controller to register the water consumption. The pump can accurately inject or be placed in standby, without interrupting the water meter signal.

Features

- Advantages of Stenner peristaltic pumps on page 1
- Tube replacement without tools
- Activate multiple pumps from one meter
- No water restriction or pressure loss
- On/off switch
- Brushless motor
- Enclosed housing
- cULus for indoor/outdoor use

Stennicator Meter System or Tank System

For convenient and quick installations or turnkey operations, the Stennicator Meter System is equipped with the pump and corresponding dry contact 3/4” or 1” water meter mounted on a heavy duty panel. The pre-assembled Tank System is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank. Select UV Gray for outdoor installations or translucent white.
# ECON STENNICATOR

## Weights and Dimensions

### Pump
- **Shipping Weight**: 4 lbs (1.6 kg)
- **Box Dimensions**: 8 x 8 x 10 in. (21 x 21 x 25 cm)

### Product Dimensions

![Pump Dimensions Diagram](image)

## Meter System

### Shipping Weight
- **Single**: 17 lbs (7.7 kg)
- **Dual**: 20 lbs (9.1 kg)

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

## Specifications

- **Flow Rate Output Control**: On/off switch, fixed output
- **Reproducibility**: ±2%
- **Maximum Working Pressure**: 80 psi (5.5 bar)
- **Maximum Operating Temperature**: 104°F (40°C)
- **Maximum Suction Lift**: 25 ft (7.6 m) vertical lift, based on water
- **Motor Type**: 24VDC, brushless
- **Shaft rpm**: (average maximum) 60
- **Duty Cycle**: Continuous
- **Maximum Viscosity**: 50 Centipoise
- **Motor Voltage (Amp Draw)**: 120V 60Hz (0.17)
- **External Power Supply**: 100-120VAC, 60Hz
- **Power Cord Type**: 120V 60Hz: STP-2W
- **Power Cord Plug End**: Wall adapter, Class II power supply; 100-120V 60Hz: 1.0A maximum input, two prong, polarized 24VDC, 1.25A output
- **Power Cord Length**: 10 ft (3.05 m)
- **Classification**: Indoor/Outdoor

## Materials of Construction

- **All Housings**: Polycarbonate
- **Pump Tube & Check Valve Duckbill**: Santoprene®, FDA approved
- **Pump Head Rollers**: Polyethylene
- **Suction/Discharge Tubing, Ferrules**: Polyethylene, FDA approved
- **Tube and Injection Fittings**: PVC or Polypropylene, NSF listed
- **Connecting Nuts**: PVC or Polypropylene, NSF listed
- **Suction Line Strainer and Cap**: PVC or Polypropylene, NSF listed, with Ceramic Weight
- **All Fasteners**: Stainless steel

**NOTE**: Refer to the chemical guide for material compatibility.

## Accessories Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4"
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4"
- 1 20' Roll suction/discharge tubing 1/4" white
- 1 Additional pump tube
- 1 Manual

---

**www.stenner.com**
**ECON STENNICATOR 80 psi (5.5 bar) Flow Rate Outputs**

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Ounces per Minute</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>E20MH81S</td>
<td>H</td>
<td>Black</td>
<td>2.7</td>
<td>74.0</td>
</tr>
</tbody>
</table>

Approximate Max. Output @ 50/60Hz

**Item Number for Econ Stennicator Pump**

120V 60Hz, 1/4” white suction/discharge tubing

**OPTIONAL**

To order Tank System, insert code before pump item number.

<table>
<thead>
<tr>
<th>code</th>
<th>Tank System</th>
</tr>
</thead>
<tbody>
<tr>
<td>S7G</td>
<td>7.5-Gallon UV Gray</td>
</tr>
<tr>
<td>S7N</td>
<td>7.5-Gallon White</td>
</tr>
<tr>
<td>S1G</td>
<td>15-Gallon UV Gray</td>
</tr>
<tr>
<td>S1N</td>
<td>15-Gallon White</td>
</tr>
<tr>
<td>S3G</td>
<td>30-Gallon UV Gray</td>
</tr>
<tr>
<td>S3N</td>
<td>30-Gallon White</td>
</tr>
</tbody>
</table>

To order Meter System, insert codes as shown.

<table>
<thead>
<tr>
<th>code</th>
<th>System</th>
<th>code</th>
<th>Meter System</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Single</td>
<td>341</td>
<td>3/4” 1 pulse/gallon</td>
</tr>
<tr>
<td>D</td>
<td>Dual</td>
<td>340</td>
<td>3/4” 10 pulses/gallon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>34L</td>
<td>3/4” 1 pulse/liter</td>
</tr>
<tr>
<td></td>
<td></td>
<td>011</td>
<td>1” 1 pulse/gallon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>010</td>
<td>1” 10 pulses/gallon</td>
</tr>
<tr>
<td></td>
<td></td>
<td>01L</td>
<td>1” 1 pulse/liter</td>
</tr>
</tbody>
</table>

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

---

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

**NOTICE:** The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.
Quick Facts
- 4.5, 16.0, 30.0 gpd, pressures to 80 psi maximum
- Digital keypad with LCD display
- 10:1 turndown, 1% increments
- Flow activated with internal relay
- Wall adapter power supply

Proportional Pump with Internal Relay

The Econ Integrator™ is a flow activated peristaltic pump featuring three operational modes and an internal relay. The relay provides a dry contact output signal replicating the signal the pump receives. The signal output can control another device that accepts a dry contact signal such as another Econ Integrator™. Multiple pumps can be activated by one water meter. The relay is operable in the Seconds or Flow Switch mode.

In livestock operations, the relay is especially useful when an existing water meter is utilized to tally water consumption to a controller. The relay allows the meter to send a signal to the pump and to the controller; eliminating the need for another meter. The signal can be sent if the pump is operating or in standby.

Econ Integrator™ Meter System or Tank System

For convenient and quick installations or turnkey operations, the Econ Integrator™ Meter System is equipped with the pump and corresponding dry contact 3/4" or 1" water meter mounted on a heavy duty panel. The pre-assembled Tank System is equipped with the pump mounted to a 7.5, 15 or 30 gallon capacity tank. Select UV Gray for outdoor installations or translucent white.

Features
- Advantages of Stenner peristaltic pumps on page 1
- Tube replacement without tools
- Patented quick release pump head
- Enclosed housing
- Wall mountable
- Optional mounting accessories available
- cULus for indoor/outdoor use
- NSF 61 & 372
Weights and Dimensions

**Pump**

**Shipping Weight** 4 lbs (1.8 kg)

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

**Product Dimensions**

![Diagram of Pump Dimensions]

**Meter System**

**Shipping Weight** 17 lbs (7.7 kg)

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

Accessories Shipped with Each Pump

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm *Europe*
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4" or 6 mm *Europe*
- 1 20' Roll suction/discharge tubing 1/4" white or UV black or 6 mm white *Europe*
- 1 Additional pump tube
- 1 Manual

Specifications

**Flow Rate Output Control**

- Six button control panel with LCD display
- Reproducibility ±2%

**Maximum Working Pressure** 80 psi (5.5 bar)

**Maximum Operating Temperature** 104°F (40°C)

**Maximum Suction Lift**

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

**Motor Type** 24VDC, brushless

**Shaft rpm** (average maximum) 60

**Duty Cycle** Continuous

**Maximum Viscosity** 100 Centipoise

**Motor Voltage (Amp Draw)**

- 120V 60Hz (0.17)
- 100-120VAC, 60Hz

**Power Cord Type**

- 120V 60Hz: STP-2W
- 24VDC, 1.25A output

**Power Cord Plug End**

- Wall adapter, Class II power supply: 100-120V 60Hz: 1.0A maximum input, two prong, polarized
- 24VDC, 1.25A output

**Power Cord Length** 6 ft (1.8 m), 10 ft (3.05 m)

**Classification** Indoor/Outdoor

Materials of Construction

- **All Housings** Polycarbonate
- **Pump Tube & Check Valve** Duckbill Santoprene®, FDA approved
- **Pump Head Rollers** Polyethylene
- **Suction/Discharge Tubing, Ferrules** Polyethylene, FDA approved
- **Tube and Injection Fittings** PVC or Polypropylene, NSF listed
- **Connecting Nuts** PVC or Polypropylene, NSF listed
- **Suction Line Strainer and Cap** PVC or Polypropylene, NSF listed, with Ceramic Weight
- **All Fasteners** Stainless steel

NOTE: Refer to the chemical guide for material compatibility.

Agency Listings

[UL and CSA Logos]
### ECON INTEGRATOR™ SERIES

**ECON INTEGRATOR™ 80 psi (5.5 bar) maximum Flow Rate Outputs**

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Turndown Ratio</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10RLM</td>
<td>M</td>
<td>White</td>
<td>10:1</td>
<td>0.49</td>
<td>0.02</td>
<td>2.6</td>
<td>0.04</td>
<td>1.84</td>
<td>0.08</td>
<td>76.7</td>
</tr>
<tr>
<td>E10RHM</td>
<td>M</td>
<td>White</td>
<td>10:1</td>
<td>0.83</td>
<td>0.03</td>
<td>4.4</td>
<td>0.07</td>
<td>3.14</td>
<td>0.13</td>
<td>130.8</td>
</tr>
<tr>
<td>E20RHM</td>
<td>M</td>
<td>White</td>
<td>10:1</td>
<td>1.41</td>
<td>0.06</td>
<td>7.5</td>
<td>0.13</td>
<td>5.36</td>
<td>0.22</td>
<td>223.2</td>
</tr>
<tr>
<td>E20RFH</td>
<td>F</td>
<td>White</td>
<td>10:1</td>
<td>4.5</td>
<td>0.19</td>
<td>24.0</td>
<td>0.40</td>
<td>17.01</td>
<td>0.71</td>
<td>708.8</td>
</tr>
<tr>
<td>E20RFG</td>
<td>G</td>
<td>Black</td>
<td>10:1</td>
<td>16.0</td>
<td>0.67</td>
<td>85.3</td>
<td>1.42</td>
<td>60.48</td>
<td>2.52</td>
<td>2520.0</td>
</tr>
<tr>
<td>E20RHF</td>
<td>H</td>
<td>Black</td>
<td>10:1</td>
<td>30.0</td>
<td>1.25</td>
<td>160.0</td>
<td>2.67</td>
<td>113.40</td>
<td>4.73</td>
<td>4725.0</td>
</tr>
</tbody>
</table>

Approximate Maximum Output @ 50/60Hz

---

### OPTIONAL

To order **Tank System**, insert code before pump item number.

<table>
<thead>
<tr>
<th>Code</th>
<th>Tank System</th>
</tr>
</thead>
<tbody>
<tr>
<td>S7G</td>
<td>7.5-Gallon UV Gray</td>
</tr>
<tr>
<td>S7N</td>
<td>7.5-Gallon White</td>
</tr>
<tr>
<td>S1G</td>
<td>15-Gallon UV Gray</td>
</tr>
<tr>
<td>S1N</td>
<td>15-Gallon White</td>
</tr>
<tr>
<td>S3G</td>
<td>30-Gallon UV Gray</td>
</tr>
<tr>
<td>S3N</td>
<td>30-Gallon White</td>
</tr>
</tbody>
</table>

To order **Meter System**, insert code after pump item number.

<table>
<thead>
<tr>
<th>Code</th>
<th>Meter System</th>
</tr>
</thead>
<tbody>
<tr>
<td>71</td>
<td>3/4&quot; 1 pulse/gallon</td>
</tr>
<tr>
<td>72</td>
<td>3/4&quot; 2 pulses/gallon</td>
</tr>
<tr>
<td>74</td>
<td>3/4&quot; 4 pulses/gallon</td>
</tr>
<tr>
<td>11</td>
<td>1&quot; 1 pulse/gallon</td>
</tr>
<tr>
<td>12</td>
<td>1&quot; 2 pulses/gallon</td>
</tr>
<tr>
<td>14</td>
<td>1&quot; 4 pulses/gallon</td>
</tr>
</tbody>
</table>

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

---

**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.

**NOTE:** Injection check valve included with pumps rated 80 psi (5.5 bar) maximum.
Quick Facts
- Outputs of 0.053-30.0 gpd, pressures to 80 psi maximum
- Digital keypad with LCD display
- 10:1 turndown, 1% increments
- Wall adapter power supply

Flow Activated
The Econ FP is a flow activated peristaltic pump with three modes of operation. Based on the mode of operation selected, the pump runs at a set time or a set speed in response to receiving a signal. The control panel displays one of three operating modes: Seconds, Flow Switch or Auxiliary. The pump is designed for light duty applications such as drinking water disinfection or pH adjustment for private water wells in homes or farms.

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

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

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

Three Operating Modes

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

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

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

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

**Pump**
- **Shipping Weight**: 4 lbs (1.7 kg)
- **Box Dimensions**: 8 x 8 x 10 in. (21 x 21 x 25 cm)

**Product Dimensions**

![Product Dimensions Diagram]

**Meter System**
- **Shipping Weight**: 17 lbs (7.7 kg)
- **Box Dimensions**: 24 x 23 x 12 in. (61 x 58 x 30 cm)

---

**Specifications**

**Flow Rate Output Control**
- Six button control panel with LCD display

**Reproducibility** ±2%

**Maximum Working Pressure** 80 psi (5.5 bar)

**Maximum Operating Temperature** 104°F (40°C)

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

**Motor Type** 24VDC, brushless

**Shaft rpm** (average maximum) 60

**Duty Cycle** Continuous

**Maximum Viscosity** 100 Centipoise

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

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

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

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

**Power Cord Length**
- 6 ft (1.8 m), 10 ft (3.05 m)

**Classification** Indoor/Outdoor

---

**Materials of Construction**

**All Housings** Polycarbonate

**Pump Tube & Check Valve Duckbill** Santoprene®, FDA approved

**Pump Head Rollers** Polyethylene

**Suction/Discharge Tubing, Ferrules** Polyethylene, FDA approved

**Tube and Injection Fittings**
- PVC or Polypropylene, NSF listed

**Connecting Nuts** PVC or Polypropylene, NSF listed

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

**All Fasteners** Stainless steel

NOTE: Refer to the chemical guide for material compatibility.

---

**Agency Listings**

![Agency Listings Icons]

---

**Accessories Shipped with Each Pump**

- 3 Connecting nuts 1/4"
- 3 Ferrules 1/4" or 6 mm *Europe*
- 1 Injection check valve
- 1 Weighted suction line strainer 1/4" or 6 mm *Europe*
- 1 20’ Roll suction/discharge tubing 1/4" white or UV black or 6 mm white *Europe*
- 1 Additional pump tube
- 1 Manual

---

[www.stenner.com](http://www.stenner.com)
### ECON FP 80 psi (5.5 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Turndown Ratio</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Day</th>
<th>Ounces per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10PLM</td>
<td>M</td>
<td>White</td>
<td>10:1</td>
<td>0.49</td>
<td>0.02</td>
<td>2.6</td>
<td>0.04</td>
<td>1.84</td>
<td>0.08</td>
<td>76.7</td>
<td>1.3</td>
<td></td>
</tr>
<tr>
<td>E10PHM</td>
<td>M</td>
<td>White</td>
<td>10:1</td>
<td>0.83</td>
<td>0.03</td>
<td>4.4</td>
<td>0.07</td>
<td>3.14</td>
<td>0.13</td>
<td>130.8</td>
<td>2.2</td>
<td></td>
</tr>
<tr>
<td>E20PHM</td>
<td>M</td>
<td>White</td>
<td>10:1</td>
<td>1.41</td>
<td>0.06</td>
<td>7.5</td>
<td>0.13</td>
<td>5.36</td>
<td>0.22</td>
<td>223.2</td>
<td>3.7</td>
<td></td>
</tr>
<tr>
<td>E20PHF</td>
<td>F</td>
<td>White</td>
<td>10:1</td>
<td>4.5</td>
<td>0.19</td>
<td>24.0</td>
<td>0.40</td>
<td>17.01</td>
<td>0.71</td>
<td>708.8</td>
<td>11.8</td>
<td></td>
</tr>
<tr>
<td>E20PHG</td>
<td>G</td>
<td>Black</td>
<td>10:1</td>
<td>16.0</td>
<td>0.67</td>
<td>85.3</td>
<td>1.42</td>
<td>60.48</td>
<td>2.52</td>
<td>2520.0</td>
<td>42.0</td>
<td></td>
</tr>
<tr>
<td>E20PHH</td>
<td>H</td>
<td>Black</td>
<td>10:1</td>
<td>30.0</td>
<td>1.25</td>
<td>160.0</td>
<td>2.67</td>
<td>113.40</td>
<td>4.73</td>
<td>4725.0</td>
<td>78.8</td>
<td></td>
</tr>
</tbody>
</table>

**Approximate Maximum Output @ 50/60Hz**

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

**NOTICE:** The information within this chart is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.
**ECON TIMER SERIES**  
Programmable Timer 24 Hour-7 Day

---

### Automatic Dosing Control for Timed Applications

The Econ T and TD pumps provide automatic injection and offer flexibility to program a customized dosing schedule for light duty applications. Program up to 24 independent On and Off events within a 7 day period. Each event can be set for a specific On and Off time for each selected day or days of the week. The timer is programmed in hour and minutes increments. A battery is included as back-up to power loss to maintain the time and programmed events.

---

### Features

- Advantages of Stenner peristaltic pumps on page 1
- Digital control pad with LCD display
- Programmable 24 hour clock
- Patented quick release pump head
- Tube replacement without tools
- Enclosed housing
- Wall mountable

---

### Quick Facts

**ECON T**

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

**ECON TD**

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

**ECON TD Battery-Powered**

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

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

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

Weights and Dimensions

**ECON T and ECON TD Electric-Powered**
**Shipping Weight** 4 lbs (1.8 kg)
**Box Dimensions** 8 x 8 x 10 in. (21 x 21 x 25 cm)
**Product Dimensions**

**ECON TD Battery-Powered**
**Shipping Weight** 5 lbs (2.1 kg)
**Box Dimensions** 14 x 9 x 10 in. (36 x 23 x 24 cm)
**Product Dimensions**

Accessories Shipped with Each Pump

**ECON T**
3 Connecting nuts 1/4"  
3 Ferrules 1/4" or 6 mm *Europe*  
1 Injection check valve 80 psi (5.5 bar) maximum  
  or 1 injection fitting 25 psi (1.7 bar) maximum  
1 Weighted suction line strainer 1/4" or 6 mm *Europe*  
1 20' Roll suction/discharge tubing 1/4" white  
  or 6 mm white *Europe*  
1 Additional pump tube  
1 Manual

**ECON TD**
3 Connecting nuts 1/4"  
3 Ferrules 1/4" or 6 mm *Europe*  
1 Injection fitting  
1 Ceramic weight with clip 1/4"  
1 20' Roll suction/discharge tubing 1/4" white or UV black  
  or 6 mm white *Europe*  
1 Manual and addendum

NOTE: Econ TD Battery Pump includes 1 mounting bracket
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>ECON T</th>
<th>ECON TD Electric</th>
<th>ECON TD Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flow Rate Output Control</strong></td>
<td>Programmable 24 hr clock, 7 day, 24 event timer</td>
<td>Programmable 24 hr clock, 7 day, 24 event timer</td>
<td>Programmable 24 hr clock, 7 day, 24 event timer</td>
</tr>
<tr>
<td><strong>Reproducibility</strong></td>
<td>±5%</td>
<td>±15%</td>
<td>Varies depending on battery quality and strength</td>
</tr>
<tr>
<td><strong>Max. Working Pressure</strong></td>
<td>25 psi (1.7 bar), 80 psi (5.5 bar)</td>
<td>5 psi (0.34 bar)</td>
<td>5 psi (0.34 bar)</td>
</tr>
<tr>
<td><strong>Max. Operating Temperature</strong></td>
<td>104°F (40°C)</td>
<td>104°F (40°C)</td>
<td>104°F (40°C)</td>
</tr>
<tr>
<td><strong>Max. Suction Lift</strong></td>
<td>25 ft (7.6 m) vertical lift, based on water</td>
<td>5 ft (1.5 m) vertical lift, based on water</td>
<td>5 ft (1.5 m) vertical lift, based on water</td>
</tr>
<tr>
<td><strong>Motor Type</strong></td>
<td>24VDC, brushed</td>
<td>24VDC, brushed</td>
<td>Proprietary</td>
</tr>
<tr>
<td><strong>Shaft rpm</strong></td>
<td>9, 18 or 40</td>
<td>8, 18, 25 or 40</td>
<td>Varies depending on battery quality and strength</td>
</tr>
<tr>
<td><strong>Duty Cycle</strong></td>
<td>Continuous</td>
<td>Continuous</td>
<td>Intermittent</td>
</tr>
<tr>
<td><strong>Maximum Viscosity</strong></td>
<td>100 Centipoise</td>
<td>100 Centipoise</td>
<td>100 Centipoise</td>
</tr>
<tr>
<td><strong>Motor Voltage (Amp Draw)</strong></td>
<td>120V 60Hz (0.17), 240V 50Hz (0.17)</td>
<td>120V 60Hz (0.17), 240V 50Hz (0.17)</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>External Power Supply</strong></td>
<td>100-120VAC, 60Hz or 220-240VAC, 50Hz</td>
<td>100-120VAC, 60Hz or 220-240VAC, 50Hz</td>
<td>8 D cell (1.2V-1.5V) or 2 6V lantern (not included)</td>
</tr>
<tr>
<td><strong>Power Cord Type</strong></td>
<td>120V 60Hz, 240V 50Hz: STP-2W</td>
<td>120V 60Hz, 240V 50Hz: STP-2W</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Power Cord Plug End</strong></td>
<td>Wall adapter, Class II power supply:</td>
<td>Wall adapter, Class II power supply:</td>
<td>n/a</td>
</tr>
<tr>
<td></td>
<td>100-120VAC, 60Hz: 1.0A maximum input, two prong, polarized 24VDC,</td>
<td>100-120VAC, 60Hz: 1.0A maximum input, two prong, polarized 24VDC,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.25A output or 220-240VAC, 50Hz: 1.0A maximum input, two prong,</td>
<td>1.25A output or 220-240VAC, 50Hz: 1.0A maximum input, two prong,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CEE7 style plug 24VDC, 1.87A output</td>
<td>CEE7 style plug 24VDC, 1.87A output</td>
<td></td>
</tr>
<tr>
<td><strong>Power Cord Length</strong></td>
<td>6 ft (1.8 m) or 10 ft (3.05 m)</td>
<td>6 ft (1.8 m) or 10 ft (3.05 m)</td>
<td>n/a</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td>Indoor/Outdoor</td>
<td>Indoor/Outdoor</td>
<td>Indoor only</td>
</tr>
<tr>
<td><strong>Materials of Construction</strong></td>
<td>Polycarbonate</td>
<td>Polycarbonate</td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Pump Tube</strong></td>
<td>Santoprene®, FDA approved</td>
<td>FKM</td>
<td>FKM or Silicone</td>
</tr>
<tr>
<td><strong>Check Valve Duckbill</strong></td>
<td>Santoprene®, FDA approved</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td><strong>Suction Line Weight</strong></td>
<td>PVC or Polypropylene, NSF listed, with Ceramic Weight</td>
<td>Ceramic Weight with 1/4&quot; Clip PVC, NSF listed</td>
<td>Ceramic Weight with 1/4&quot; Clip PVC, NSF listed</td>
</tr>
<tr>
<td><strong>Housings</strong></td>
<td>Polycarbonate</td>
<td>Polycarbonate</td>
<td>Polycarbonate</td>
</tr>
<tr>
<td><strong>Pump Head Rollers</strong></td>
<td>Polyethylene</td>
<td>Polyethylene</td>
<td>Polyethylene</td>
</tr>
<tr>
<td><strong>Suction/Discharge Tubing and Ferrules</strong></td>
<td>Polyethylene, FDA approved</td>
<td>Polyethylene, FDA approved</td>
<td>Polyethylene, FDA approved</td>
</tr>
<tr>
<td><strong>Tube and Injection Fittings</strong></td>
<td>PVC or Polypropylene, NSF listed</td>
<td>PVC or Polypropylene, NSF listed</td>
<td>PVC or Polypropylene, NSF listed</td>
</tr>
<tr>
<td><strong>Connecting Nuts</strong></td>
<td>PVC or Polypropylene, NSF listed</td>
<td>PVC or Polypropylene, NSF listed</td>
<td>PVC or Polypropylene, NSF listed</td>
</tr>
<tr>
<td><strong>All Fasteners</strong></td>
<td>Stainless steel</td>
<td>Stainless steel</td>
<td>Stainless steel</td>
</tr>
<tr>
<td><strong>Agency Listings</strong></td>
<td>n/a</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Refer to the chemical guide for material compatibility.
To Order, Build Pump Item Number
Insert item number prefix and code for each specification.

**ECON T 25 psi (1.7 bar) maximum Flow Rate Outputs**

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Ounces per Minute</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10T1A</td>
<td>A</td>
<td>White</td>
<td>2.5</td>
<td>0.10</td>
<td>13.2</td>
<td>0.22</td>
<td>9.5</td>
<td>0.39</td>
<td>396.0</td>
<td>6.60</td>
</tr>
<tr>
<td>E10T2A</td>
<td>A</td>
<td>White</td>
<td>5.0</td>
<td>0.21</td>
<td>26.4</td>
<td>0.44</td>
<td>18.9</td>
<td>0.79</td>
<td>786.0</td>
<td>13.10</td>
</tr>
<tr>
<td>E10T2B</td>
<td>B</td>
<td>White</td>
<td>8.5</td>
<td>0.35</td>
<td>45.6</td>
<td>0.76</td>
<td>32.2</td>
<td>1.34</td>
<td>1338.0</td>
<td>22.30</td>
</tr>
<tr>
<td>E10T2C</td>
<td>C</td>
<td>White</td>
<td>15.0</td>
<td>0.63</td>
<td>79.8</td>
<td>1.33</td>
<td>56.8</td>
<td>2.37</td>
<td>2364.0</td>
<td>39.40</td>
</tr>
</tbody>
</table>

**ECON T 80 psi (5.5 bar) maximum Flow Rate Outputs**

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

**Optimal**

To order Tank System, insert code before pump item number.

- **code Suction & Discharge Tubing**
  - 1: 1/4" White
  - 2: 1/4" UV Black
  - 5: 6 mm White Europe

- **code Voltage & Hertz**
  - 7: 120V 60Hz; 6' cord
  - 8: 120V 60Hz; 10' cord
  - 9: 240V 50Hz; 6' cord International

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

**NOTICE:** The information within these charts is solely intended for use as a guide. The output data is an approximation based on pumping water under a controlled testing environment. Many variables can affect the output of the pump. Stenner Pump Company recommends that all metering pumps undergo field calibration by means of analytical testing to confirm their outputs.
## ECON TD 5 psi (0.34 bar) Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>E20T1C3</td>
<td>C3</td>
<td>Black</td>
<td>9.10</td>
<td>0.38</td>
<td>48.7</td>
<td>34.6</td>
<td>1.44</td>
<td>1440.0</td>
<td>24.0</td>
</tr>
<tr>
<td>E20T2C3</td>
<td>C3</td>
<td>Black</td>
<td>17.10</td>
<td>0.71</td>
<td>91.2</td>
<td>64.7</td>
<td>2.70</td>
<td>2887.6</td>
<td>44.8</td>
</tr>
<tr>
<td>E20T3C3</td>
<td>C3</td>
<td>Black</td>
<td>23.20</td>
<td>0.97</td>
<td>123.7</td>
<td>87.8</td>
<td>3.66</td>
<td>3659.2</td>
<td>61.0</td>
</tr>
<tr>
<td>E20T4C3</td>
<td>C3</td>
<td>Black</td>
<td>35.76</td>
<td>1.49</td>
<td>190.7</td>
<td>135.4</td>
<td>5.64</td>
<td>5640.3</td>
<td>94.0</td>
</tr>
</tbody>
</table>

Approximate Maximum Output @ 50/60Hz

To Order, Build Pump Item Number
Insert item number prefix and code for suction & discharge tubing.

### Code Suction & Discharge Tubing
- 1 /4” White
- 5 6 mm White Europe
- O.D. does not affect output.

---

## ECON TD Battery-Powered 5 psi (0.34 bar) Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10T01C3</td>
<td>C3</td>
<td>Black</td>
<td>24.7</td>
<td>1.00</td>
<td>132.0</td>
<td>94.0</td>
<td>3.9</td>
<td>3904.0</td>
<td>65.0</td>
</tr>
<tr>
<td>E20T01C3</td>
<td>C3</td>
<td>Black</td>
<td>41.7</td>
<td>1.74</td>
<td>222.0</td>
<td>158.0</td>
<td>6.6</td>
<td>6577.0</td>
<td>110.0</td>
</tr>
<tr>
<td>E10T01C4</td>
<td>C3</td>
<td>Black</td>
<td>27.0</td>
<td>1.10</td>
<td>144.0</td>
<td>24.4</td>
<td>102.0</td>
<td>4259.0</td>
<td>68.0</td>
</tr>
<tr>
<td>E20T01C4</td>
<td>C3</td>
<td>Black</td>
<td>45.0</td>
<td>1.88</td>
<td>240.0</td>
<td>40.0</td>
<td>170.0</td>
<td>7098.0</td>
<td>114.0</td>
</tr>
</tbody>
</table>

Approximate output with fully charged batteries, new tube and zero foot suction lift.

To Order, Build Pump Item Number
Insert item number prefix and code for suction & discharge tubing.

### Code Voltage & Hertz
- 7 120V 60Hz; 6’ cord
- 8 220V 60Hz; 10’ cord
- 9 240V 50Hz; 6’ cord

### Code Suction & Discharge Tubing
- 1 /4” White
- 5 6 mm White Europe
- O.D. does not affect output.

---

**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.

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

The custom OEM batch pump is factory programmed to run a specific length of time when manually activated by an integral switch or can be designed to activate with an input signal. The customer selects the pump run time from 0.1 seconds to 24 hours per activations. The pre-set fluid volume choices are up to 50 gallons per day, up to 80 psi (189.3 liters per day, up to 5.5 bar). The pump is supplied with a 24VDC brushless motor and a customizable power cord for 100-240VAC, 50/60Hz. The pump can also be supplied without an internal power supply.

**Weights and Dimensions**

- **Shipping Weight**: 4 lbs (1.5 kg)
- **Box Dimensions**: 8 x 8 x 10 in. (21 x 21 x 25 cm)
- **Product Dimensions**: 5.9” x 5.2” x 4.4”

**Quick Facts**

- 0.04-8.1 oz/hr, pressures to 80 psi maximum
- Adjustable potentiometer
- Select custom color
- Optional tube materials
- Dual bearing support output shaft
- Serviceable liquid end, gear train & motor
- Agency approvals available
- Voltage options
Accurate Low Volume Metering

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

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

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

Features
- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Tube replacement without tools
- Brushless motor
- Enclosed housing
- Optional mounting accessories available
- Tank System ships with pump pre-mounted to the tank
- cULus for indoor/outdoor use
- CE listed, varies by model
- NSF 61 & 372
Accessories Shipped with Each Pump

3 Connecting nuts 1/4"
3 Ferrules 1/4" or 6 mm Europe
1 Injection check valve
1 Weighted suction line strainer 1/4" or 6 mm Europe
1 20' Roll suction/discharge tubing 1/4" white or 6 mm white Europe
1 Additional pump tube
1 Manual

Specifications

Flow Rate Output Control
Potentiometer, 50:1 Turndown
Reproducibility ±2%
Maximum Working Pressure 80 psi (5.5 bar)
Maximum Operating Temperature 104°F (40°C)
Maximum Suction Lift
25 ft (7.6 m) vertical lift, based on water
Motor Type 24VDC, brushless
Shaft rpm (average maximum) 17
Duty Cycle Continuous
Maximum Viscosity 50 Centipoise
Motor Voltage (Amp Draw)
120V 60Hz, 230V 50Hz (0.17)
Power Cord Type
120V 60Hz: SJTOW, 230V 50Hz: H05RN-F
Power Cord Plug End
120V 60Hz NEMA 5-15P, 230V 50Hz CEE7/7
Power Cord Length 6 ft (1.8 m)
Classification Indoor/Outdoor

Materials of Construction

All Housings Polycarbonate
Pump Tube & Check Valve Duckbill Santoprene®, FDA approved
Pump Head Rollers Polyethylene
Suction/Discharge Tubing, Ferrules Polyethylene, FDA approved
Tube and Injection Fittings PVC or Polypropylene, NSF listed
Connecting Nuts PVC or Polypropylene, NSF listed
Suction Line Strainer and Cap PVC or Polypropylene, NSF listed, with Ceramic Weight
All Fasteners Stainless steel

NOTE: Refer to the chemical guide for material compatibility.

Agency Listings

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

#### ECON LD 80 psi (5.5 bar) maximum Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Turndown Ratio</th>
<th>Ounces per Hour</th>
<th>Milliliters per Hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10LHM</td>
<td>M</td>
<td>White</td>
<td>50:1</td>
<td>0.04 to 2.4</td>
<td>1.3 to 70.0</td>
</tr>
<tr>
<td>E10LHF</td>
<td>F</td>
<td>White</td>
<td>50:1</td>
<td>0.11 to 8.1</td>
<td>3.2 to 240.0</td>
</tr>
<tr>
<td>E10LHG</td>
<td>G</td>
<td>Black</td>
<td>50:1</td>
<td>0.50 to 25.1</td>
<td>14.8 to 742.3</td>
</tr>
<tr>
<td>E10LHH</td>
<td>H</td>
<td>Black</td>
<td>50:1</td>
<td>1.01 to 50.7</td>
<td>29.7 to 1499.4</td>
</tr>
</tbody>
</table>

Approximate Max. Output @ 50/60Hz

---

To Order, Build Pump Item Number

Insert item number prefix and code for each specification.

<table>
<thead>
<tr>
<th>code</th>
<th>Voltage &amp; Hertz</th>
<th>code</th>
<th>Suction &amp; Discharge Tubing</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>120V 60Hz</td>
<td>1</td>
<td>1/4&quot; White</td>
</tr>
<tr>
<td>C</td>
<td>230V 50Hz</td>
<td>5</td>
<td>6 mm White Europe</td>
</tr>
</tbody>
</table>

Contact the factory for additional voltage and plug options.

---

OPTIMAL

To order Tank System, insert code before pump item number.

<table>
<thead>
<tr>
<th>code</th>
<th>Tank System</th>
</tr>
</thead>
<tbody>
<tr>
<td>S7G</td>
<td>7.5-Gallon UV Gray</td>
</tr>
<tr>
<td>S7N</td>
<td>7.5-Gallon White</td>
</tr>
<tr>
<td>S1G</td>
<td>15-Gallon UV Gray</td>
</tr>
<tr>
<td>S1N</td>
<td>15-Gallon White</td>
</tr>
<tr>
<td>S3G</td>
<td>30-Gallon UV Gray</td>
</tr>
<tr>
<td>S3N</td>
<td>30-Gallon White</td>
</tr>
</tbody>
</table>

---

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

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

**ECON FX** – Fixed Speed
- No adjustment
- 7.4, 14.0, 24.8, or 38.8 gpd, pressures to 25 psi maximum
- 14.0 or 23.5 gpd, pressures to 80 psi maximum

**ECON VX** – Variable Speed
- Adjustable potentiometer
- 0.8 to 38.8 gpd, pressures to 25 psi maximum
- 1.7 to 23.5 gpd, pressures to 80 psi maximum

Features
- Advantages of Stenner peristaltic pumps on page 1
- Patented quick release pump head
- Tube replacement without tools
- Enclosed housing
- Wall mountable
- Optional mounting accessories page 60

Reliable Accurate Metering

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

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

Flow Rate Output Control
- ECON FX: Fixed speed, no adjustment
- ECON VX: Adjustable potentiometer

Reproducibility ±5%

Maximum Working Pressure 80 psi (5.5 bar), 25 psi (1.7 bar)

Maximum Operating Temperature 104°F (40°C)

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

Motor Type 24VDC, brushed

Shaft rpm (average maximum) 26, 44

Duty Cycle Continuous

Maximum Viscosity 100 Centipoise

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

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

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

Power Cord Length 6 ft (1.8 m)

Classification Indoor/Outdoor

Materials of Construction

All Housings Polycarbonate

Pump Tube & Check Valve Duckbill Santoprene®, FDA approved

Pump Head Rollers Polyethylene

Suction/Discharge Tubing, Ferrules Polyethylene, FDA approved

Tube and Injection Fittings PVC or Polypropylene, NSF listed

Connecting Nuts PVC or Polypropylene, NSF listed

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

All Fasteners Stainless steel

NOTE: Refer to the chemical guide for material compatibility.

Agency Listings

ECON FX and VX SERIES

Weights and Dimensions

<table>
<thead>
<tr>
<th>ECON FX</th>
<th>ECON VX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Shipping Weight</strong></td>
<td>3 lbs (1.4 kg)</td>
</tr>
<tr>
<td><strong>Box Dimensions</strong></td>
<td>8 x 8 x 10 in. (21 x 21 x 25 cm)</td>
</tr>
<tr>
<td><strong>Product Dimensions</strong></td>
<td></td>
</tr>
</tbody>
</table>

Accessories Shipped with Each Pump

- 3 Connecting nuts 1/4”
- 3 Ferrules 1/4” or 6 mm *Europe*
- 1 Injection check valve 80 psi (5.5 bar) maximum or 1 injection fitting 25 psi (1.7 bar) maximum
- 1 Weighted suction line strainer 1/4” or 6 mm *Europe*
- 1 20’ Roll suction/discharge tubing 1/4” white or UV black or 6 mm white *Europe*
- 1 Additional pump tube
- 1 Manual

*Europe* refers to the European Union.

NOTE: Refer to the chemical guide for material compatibility.
# ECON FX Fixed Speed - Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Ounces per Minute</th>
<th>Pressure psi</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
<th>Pressure bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10FXA</td>
<td>A</td>
<td>White</td>
<td>7.4</td>
<td>0.31</td>
<td>39.5</td>
<td>0.66</td>
<td>25</td>
<td>28.0</td>
<td>1.17</td>
<td>1166.7</td>
<td>19.44</td>
<td>1.7</td>
</tr>
<tr>
<td>E10FXB</td>
<td>B</td>
<td>White</td>
<td>14.0</td>
<td>0.58</td>
<td>74.7</td>
<td>1.24</td>
<td>25</td>
<td>52.9</td>
<td>2.20</td>
<td>2204.2</td>
<td>36.74</td>
<td>1.7</td>
</tr>
<tr>
<td>E20FXB</td>
<td>B</td>
<td>White</td>
<td>24.8</td>
<td>1.03</td>
<td>132.3</td>
<td>2.20</td>
<td>25</td>
<td>93.7</td>
<td>3.90</td>
<td>3904.2</td>
<td>65.07</td>
<td>1.7</td>
</tr>
<tr>
<td>E20FXC</td>
<td>C</td>
<td>White</td>
<td>38.8</td>
<td>1.62</td>
<td>206.9</td>
<td>3.45</td>
<td>25</td>
<td>146.7</td>
<td>6.11</td>
<td>6112.5</td>
<td>101.88</td>
<td>1.7</td>
</tr>
<tr>
<td>E10FXH</td>
<td>H</td>
<td>Black</td>
<td>14.0</td>
<td>0.58</td>
<td>74.7</td>
<td>1.24</td>
<td>80</td>
<td>52.9</td>
<td>2.20</td>
<td>2204.2</td>
<td>36.74</td>
<td>5.5</td>
</tr>
<tr>
<td>E20FXH</td>
<td>H</td>
<td>Black</td>
<td>23.5</td>
<td>0.98</td>
<td>125.3</td>
<td>2.09</td>
<td>80</td>
<td>88.8</td>
<td>3.70</td>
<td>3700.0</td>
<td>61.67</td>
<td>5.5</td>
</tr>
</tbody>
</table>

To order **Tank System**, insert code before pump item number.

## ECON VX Variable Speed - Flow Rate Outputs

<table>
<thead>
<tr>
<th>Item Number Prefix</th>
<th>Pump Tube</th>
<th>Roller Assembly</th>
<th>Gallons per Day</th>
<th>Gallons per Hour</th>
<th>Ounces per Hour</th>
<th>Ounces per Minute</th>
<th>Pressure psi</th>
<th>Liters per Day</th>
<th>Liters per Hour</th>
<th>Milliliters per Hour</th>
<th>Milliliters per Minute</th>
<th>Pressure bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>E10VXA</td>
<td>A</td>
<td>White</td>
<td>0.8 to 7.4</td>
<td>0.003 to 0.310</td>
<td>0.4 to 39.5</td>
<td>0.01 to 0.66</td>
<td>25</td>
<td>3.0 to 28.0</td>
<td>0.13 to 1.17</td>
<td>125.0 to 1166.7</td>
<td>2.08 to 19.44</td>
<td>1.7</td>
</tr>
<tr>
<td>E10VXB</td>
<td>B</td>
<td>White</td>
<td>1.2 to 14.0</td>
<td>0.05 to 0.58</td>
<td>6.4 to 74.7</td>
<td>0.11 to 1.24</td>
<td>25</td>
<td>4.5 to 52.9</td>
<td>0.19 to 2.20</td>
<td>188.0 to 2204.2</td>
<td>3.13 to 36.74</td>
<td>1.7</td>
</tr>
<tr>
<td>E20VXB</td>
<td>B</td>
<td>White</td>
<td>1.6 to 24.8</td>
<td>0.07 to 1.03</td>
<td>8.6 to 132.3</td>
<td>0.39 to 2.20</td>
<td>25</td>
<td>6.0 to 93.7</td>
<td>0.25 to 3.90</td>
<td>250.0 to 3904.2</td>
<td>4.17 to 65.07</td>
<td>1.7</td>
</tr>
<tr>
<td>E20VXC</td>
<td>C</td>
<td>White</td>
<td>4.4 to 38.8</td>
<td>0.18 to 1.62</td>
<td>23.4 to 206.9</td>
<td>0.39 to 3.45</td>
<td>25</td>
<td>16.6 to 146.7</td>
<td>0.69 to 6.11</td>
<td>692.0 to 6112.5</td>
<td>11.53 to 101.88</td>
<td>1.7</td>
</tr>
<tr>
<td>E10VXH</td>
<td>H</td>
<td>Black</td>
<td>1.7 to 14.0</td>
<td>0.07 to 0.58</td>
<td>9.1 to 74.7</td>
<td>0.15 to 1.24</td>
<td>80</td>
<td>6.4 to 52.9</td>
<td>0.27 to 2.20</td>
<td>267.0 to 2204.2</td>
<td>4.45 to 36.74</td>
<td>5.5</td>
</tr>
<tr>
<td>E20VXH</td>
<td>H</td>
<td>Black</td>
<td>2.7 to 23.5</td>
<td>0.11 to 0.98</td>
<td>14.5 to 125.3</td>
<td>0.24 to 2.09</td>
<td>80</td>
<td>10.2 to 88.8</td>
<td>0.43 to 3.70</td>
<td>425.0 to 3700.0</td>
<td>7.08 to 61.67</td>
<td>5.5</td>
</tr>
</tbody>
</table>

Approximate Output @ 50/60Hz

## Suction & Discharge Tubing
- 1/4” White
- 1/4” UV Black
- 6 mm White European

**Optional**

To order **Tank System**, insert code before pump item number.

- **S**

### Voltage & Hertz
- **A** 120V 60Hz
- **B** 220V 60Hz
- **C** 230V 50Hz International

### Suction & Discharge Tubing
- **1** 1/4” White
- **2** 1/4” UV Black
- **5** 6 mm White European

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

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

In residential or light commercial applications, water treatment professionals can use a metering pump activated by a flow switch for applications such as disinfection, oxidation or pH adjustment. Stenner offers a dry contact, two wire flow switch for a PVC tee or copper pipe. Both are a paddle style with glass fiber reinforced plastic construction. The design uses a magnetic force to reset the paddle to eliminate spring fatigue. Stenner’s Econ FP or Econ Integrator™ pumps are designed to interface with a two wire flow switch that accepts a dry contact.

Features

The flow switch for PVC includes a glue-in adapter for easy mounting to a standard PVC slip fit tee. The flow switch for copper has an adapter for soldering to copper pipe. The nominal activation points are based on installation into a Spears 3/4” or 1” schedule 80 PVC tee or an industry standard, smooth 3/4” or 1” copper pipe. The activation points are 1.2 gallons per minute for 3/4” and 1.9 gallons per minute for the 1” flow switch. A wiring harness is included with the Econ FP and the Econ Integrator™ for an easy connection to the dry contact flow switch.

Specifications

Switching Function Contact closes at increasing flow, opens at decreasing flow
Pressure Rating Maximum 145 psi*
Medium Temperature Maximum +212°F (+100°C)
Ambient Temperature Maximum +158°F (+70°C)
Protection Class IP 65
Switching Current Maximum 1A
Switching Voltage Maximum 230VAC, 48VDC
Switching Capacity Maximum 26VA, 20W

Materials of Construction

Body/Paddle System PPO Noryl GFN3
Adapter PVC: Glue-in
Copper: Brass, soldering
Gasket EPDM
Magnet Hard Ferrite
Cable PVC

Agency Listings

• cETLus Component Recognized
• UL 508
• UL 353
• CSA C22.2#14-05
• Water Regulations Advisory Scheme

* Values for flow switch, observe maximum values of PVC slip fit tee or maximum values of copper pipe.

FLOW SWITCH

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; for PVC pipe</td>
<td>EC500</td>
</tr>
<tr>
<td>1&quot; for PVC pipe</td>
<td>EC501</td>
</tr>
<tr>
<td>3/4&quot; for copper pipe</td>
<td>EC50C</td>
</tr>
<tr>
<td>1&quot; for copper pipe</td>
<td>EC51C</td>
</tr>
</tbody>
</table>
Plastic Water Meter

Flow Rates*

<table>
<thead>
<tr>
<th>SIZE</th>
<th>FLOW RATE GPM</th>
<th>PULSES PER GALLON</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>0.25 to 22</td>
<td>1 2 4 10</td>
</tr>
<tr>
<td>1&quot;</td>
<td>0.75 to 50</td>
<td>1 2 4 10</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>2.0 to 100</td>
<td>1 2 4 n/a</td>
</tr>
</tbody>
</table>

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

Specifications

Accuracy ±2% when operating between minimum and maximum flow range

Temperature Range 35-122°F (1.7-50°C)

Pressure Ratings 15-100 psi (1.0-6.9 bar)

Maximum Current 20mA

Maximum Voltage 24VDC or 24VAC

Sensor Reed Switch

Cable Length 6 ft (1.8 m)

Materials of Construction

Body** Engineered reinforced plastic (nylon)

Internal Engineered thermoplastic

Magnet Alnico

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

How It Works

The plastic water meter doesn’t require power and utilizes a reed switch to provide a pulsing dry contact signal. The meter is certified by IAPMO to ANSI/NSF 372, low lead.

The 3/4" or 1" meter is included with the Econ or M128 Meter Systems. The 3/4" meter is included with the Proportional Injection System. Purchase the meter and other components separately to create your own proportional feed installation.

Weights and Dimensions

<table>
<thead>
<tr>
<th>Size</th>
<th>Shipping Weight</th>
<th>Body</th>
<th>Body with Couplings</th>
<th>IPS Thread</th>
<th>NPT Thread</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>2.2 lbs (0.9 kg)</td>
<td>7.5&quot; (19.1 cm)</td>
<td>11.5&quot; (29.2 cm)</td>
<td>1&quot; 0.75&quot;</td>
<td></td>
</tr>
<tr>
<td>1&quot;</td>
<td>2.8 lbs (1.4 kg)</td>
<td>10.25&quot; (26.0 cm)</td>
<td>15.25&quot; (38.7 cm)</td>
<td>1.25&quot; 1&quot;</td>
<td></td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>5.7 lbs (2.7 kg)</td>
<td>9.63&quot; (24.4 cm)</td>
<td>14.75&quot; (37.5 cm)</td>
<td>2&quot; 1.5&quot;</td>
<td></td>
</tr>
</tbody>
</table>
How It Works

The stainless steel water meter doesn’t require power and utilizes a reed switch to provide a pulsing dry contact signal. The meter is certified by IAPMO to ANSI/NSF 372, low lead.

Purchase the meter and other components separately to create your own proportional feed installation.

Weights and Dimensions

Shipping Weight  12 lbs (5.4 kg)
Box Dimensions  13 x 10 x 9 in. (33 x 25 x 23 cm)

Product Dimensions

Body: 11.9 in. (30.1 cm)
Body with Couplings: 17.5 in. (44.5 cm)
IPS Thread: 2.5 in. (6.4 cm)
NPT Thread: 2.0 in. (5.1 cm)

Specifications

Accuracy  ±1.5% of maximum flow when operating between minimum and maximum flow range
Maximum Operating Pressure  150 psi (10.3 bar)
pH Level Range  6.5-8.0
Temperature Range  35-122°F (1.7-50°C)

Protect the meter from freezing
Maximum Current  20mA
Maximum Voltage  24VDC or 24VAC
Sensor  Reed switch, dry contact type, normally open
Cable Length  6 ft (1.8 m)
Register  US gallons

Materials of Construction

Body  Stainless steel
Internal  Engineered thermoplastic
Magnet  Alnico

Flow Rates

Continuous Flow  80 gallons per minute
Flow Range  1-160 gallons per minute
Pulses per Gallon  1, 2, 4

* The size of the meter should be based upon continuous flow and gallons per minute as opposed to pipe size.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PULSE PER GALLON</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>1 pulse/gallon</td>
<td>SSMRS20-1PPG</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2 pulses/gallon</td>
<td>SSMRS20-2PPG</td>
</tr>
<tr>
<td>2&quot;</td>
<td>4 pulses/gallon</td>
<td>SSMRS20-4PPG</td>
</tr>
</tbody>
</table>

NOTE: Two week lead time for non-stocked meters. Contact factory to confirm availability.
Flow Rates
Continuous Flow 16 gallons per minute
Flow Range 0.1-22 gallons per minute
*The size of the meter should be based upon continuous flow and gallons per minute as opposed to pipe size.

Specifications
Accuracy ±2% of maximum flow when operating between minimum and maximum flow range
Maximum Operating Pressure 150 psi (10.3 bar)
Temperature Range 35-122°F (1.7-50°C)
Protect the meter from freezing
Maximum Current 20mA
Maximum Voltage 24VDC or 24VAC
Sensor Reed switch, dry contact type, normally open
Cable Length 6 ft (1.8 m)
Register US gallons or liters

Materials of Construction
Body Engineered reinforced plastic (nylon)
Internal Engineered thermoplastic

How It Works
The vertical positive displacement, oscillating piston, water meter doesn’t require power and utilizes a reed switch to provide a pulsing dry contact signal. Although designed for vertical installation, the meter can be installed horizontally or on an incline, provided the meter remains full of water. The meter has a built-in back flow preventer and is housed in an engineered plastic with corrosion resistant liquid-sealed register for easy reading.

Weights and Dimensions
Shipping Weight 1.8 lbs (0.8 kg)
Box Dimensions 13 x 10 x 9 in. (33 x 25 x 23 cm)
Product Dimensions
Body: 6.5 in. (16.51 cm)
Body with Couplings: 10.5 in. (26.67 cm)
IPS Thread: 1.0 in. (2.54 cm)
NPT Thread: 0.75 in. (1.9 cm)

<table>
<thead>
<tr>
<th>SIZE</th>
<th>PULSE PER GALLON</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot;</td>
<td>1 pulse/gallon</td>
<td>VPD0750-1PPG</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>1 pulse/liter</td>
<td>VPD0750-1PPL</td>
</tr>
</tbody>
</table>

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

- UV resistant gray or translucent white
- 7.5, 15 or 30 gallon
- Child resistant lid
- Polyethylene construction
- Lightweight

Weights and Dimensions

<table>
<thead>
<tr>
<th>Tank Size</th>
<th>Shipping Weight</th>
<th>Box Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5-Gallon</td>
<td>15 lbs (6.8 kg)</td>
<td>23 x 23 x 21 in. (58 x 58 x 54 cm)</td>
</tr>
<tr>
<td>15-Gallon</td>
<td>18 lbs (8.2 kg)</td>
<td>23 x 23 x 27 in. (58 x 58 x 66 cm)</td>
</tr>
<tr>
<td>30-Gallon</td>
<td>24 lbs (10.8 kg)</td>
<td>23 x 23 x 39 in. (58 x 58 x 97 cm)</td>
</tr>
</tbody>
</table>

Product Dimensions

- 7.5-Gallon: 20.5 OD x 19.6 in. (52.1 OD x 49.9 cm)
- 15-Gallon: 20.5 OD x 25.3 in. (52.1 OD x 64.1 cm)
- 30-Gallon: 20.5 OD x 37.5 in. (52.1 OD x 95.3 cm)

Tanks

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5-Gallon Gray</td>
<td>Classic 45, 85 / M128 / All Econ Pumps*</td>
<td>STS7GC</td>
</tr>
<tr>
<td>7.5-Gallon White</td>
<td>Classic 45, 85 / M128 / All Econ Pumps*</td>
<td>STS7NC</td>
</tr>
<tr>
<td>15-Gallon Gray</td>
<td>Classic 45, 85 / M128 / All Econ Pumps*</td>
<td>STS15GC</td>
</tr>
<tr>
<td>15-Gallon White</td>
<td>Classic 45, 85 / M128 / All Econ Pumps*</td>
<td>STS15NC</td>
</tr>
<tr>
<td>30-Gallon Gray</td>
<td>Classic 45, 85 / M128 / All Econ Pumps*</td>
<td>STS30GC</td>
</tr>
<tr>
<td>30-Gallon White</td>
<td>Classic 45, 85 / M128 / All Econ Pumps*</td>
<td>STS30NC</td>
</tr>
<tr>
<td>7.5-Gallon Gray</td>
<td>SVP Series</td>
<td>STS7G-02</td>
</tr>
<tr>
<td>7.5-Gallon White</td>
<td>SVP Series</td>
<td>STS7N-02</td>
</tr>
<tr>
<td>15-Gallon Gray</td>
<td>SVP Series</td>
<td>STS15G-02</td>
</tr>
<tr>
<td>15-Gallon White</td>
<td>SVP Series</td>
<td>SSTS15N-02</td>
</tr>
<tr>
<td>30-Gallon Gray</td>
<td>SVP Series</td>
<td>STS30G-02</td>
</tr>
<tr>
<td>30-Gallon White</td>
<td>SVP Series</td>
<td>STS30N-02</td>
</tr>
</tbody>
</table>

* Econ Mounting Kit EC303 required and sold separately on page 60.

Materials of Construction

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

Agency Listings

[Stenner Water Systems]
How It Works

The Tank System consists of a tank and pump. The system is factory assembled with your pump choice: Classic single head adjustable or fixed, M128 or Econ, and your tank choice: 7.5, 15, 30 gallon, in white or UV resistant gray.

Features

- Pump is vertically mounted for solution containment
- Child resistant lid
- Polyethylene construction is lightweight and rugged

Weights and Dimensions

<table>
<thead>
<tr>
<th>Tank Size</th>
<th>Shipping Weight</th>
<th>Box Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Classic Adjustable or M128</td>
<td>Classic Fixed</td>
</tr>
<tr>
<td>7.5-Gallon</td>
<td>24 lbs (10.9 kg)</td>
<td>23 lbs (10.4 kg)</td>
</tr>
<tr>
<td>15-Gallon</td>
<td>27 lbs (12.2 kg)</td>
<td>26 lbs (11.8 kg)</td>
</tr>
<tr>
<td>30-Gallon</td>
<td>34 lbs. (15.4 kg)</td>
<td>32 lbs (14.5 kg)</td>
</tr>
</tbody>
</table>

NOTE: Build a Tank System Item number on pages 4, 5, 16, 19, 22, 25, 29, 34, 37.

Product Dimensions

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

**Housings** Polycarbonate  
**Timer** Microcontroller with triac output  
**Turndown Ratio** 10:1  
**Input Signal** Non-voltage dry contact water meter  
**Reset Time** Immediate  
**Minimum Signal Durations** 10 milliseconds  
**Input Electrical** 120V 60Hz  
**No Load Current** 0.45mA AC maximum  
**Output Electrical** Maximum device load, 1.8 amp at 120V

**Agency Listings**

![UL Listed 346Z](www.stenner.com)

---

**How It Works**

The PCM is a time adjustable controller utilized with the Classic Series Single Head Fixed Output Pump and a pulsing dry contact water meter for applications requiring proportional injection. The water meter sends a signal to the PCM and the PCM actuates the pump to deliver the desired dose based on water volume. The PCM is a component in Stenner’s Proportional Injection System.

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**Features**

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

---

**Customize Your Own Proportional Feed Installation**

Purchase a Classic Series Single Head Fixed Output Pump, a PCM and water meter to create your own proportional feed installation.
Interchangeable Operating Range Settings

The PCM's operating range can be converted by changing the position of the jumpers on the circuit board so another model doesn’t have to be purchased.

Weights and Dimensions

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

Product Dimensions

---

<table>
<thead>
<tr>
<th>OPERATING RANGE</th>
<th>ITEM NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1 to 1.0 Second</td>
<td>PCM1</td>
</tr>
<tr>
<td>0.5 to 5.0 Seconds</td>
<td>PCM5</td>
</tr>
<tr>
<td>1.0 to 10.0 Seconds</td>
<td>PCM10</td>
</tr>
<tr>
<td>2.0 to 20.0 Seconds</td>
<td>PCM20</td>
</tr>
</tbody>
</table>
Proportional Injection System

Proportional Metering in a Pre-Assembled System

The Proportional Injection System injects solution in proportion to the system’s flow rate based on water volume. The water meter sends a signal to the PCM which actuates the pump. Components are pre-mounted to a heavy duty panel for quick installation and convenient equipment accessibility.

The system is suited for constant pressure (variable speed) well pumps, poultry and livestock houses, irrigation, systems with demand based backup wells and any application with varying flow rates.

Components

1. Classic Series Single Head Fixed Output Pump
2. PCM
3. Plastic 3/4” dry contact water meter, certified by the Water Quality Association to ANSI/NSF 372, low lead
4. Flow Indicator to confirm pump is operating
5. Filter with 30 and 100 mesh screens
6. Unions for easy installation and removal
7. Cabinet keeps cords and wires contained
8. Heavy duty panel and wall mounting bracket
Weights and Dimensions

Shipping Weight 29 lbs (13.2 kg)
Box Dimensions 36 x 23 x 12 in. (91 x 59 x 29 cm)

To Order, Build System Item Number
Insert code for each component selected.

<table>
<thead>
<tr>
<th>Code</th>
<th>Classic 120V 60Hz Single Head Fixed</th>
<th>PCM 120V 60Hz operating seconds</th>
<th>Plastic Water Meter</th>
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</thead>
<tbody>
<tr>
<td>03</td>
<td>3 gpd / 11.4 lpd</td>
<td>0.1 to 1.0</td>
<td>341P 3/4” 1 pulse/gallon</td>
</tr>
<tr>
<td>05</td>
<td>5 gpd / 18.9 lpd</td>
<td>0.5 to 5.0</td>
<td>342P 3/4” 2 pulses/gallon</td>
</tr>
<tr>
<td>10</td>
<td>10 gpd / 37.9 lpd</td>
<td>1.0 to 10.0</td>
<td>344P 3/4” 4 pulses/gallon</td>
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<tr>
<td>17</td>
<td>17 gpd / 64.4 lpd</td>
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</tr>
<tr>
<td>22</td>
<td>22 gpd / 83.3 lpd</td>
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</tr>
<tr>
<td>40</td>
<td>40 gpd / 151.4 lpd</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Specifications

Flow Rate Output Control Water meter and PCM
Voltage 120V 60Hz

Materials of Construction

Panel & Panel Fittings Polyethylene
Mounting Hardware Stainless steel
Piping and Associated Fittings PVC
Water Meter Plastic lead free (certified with WQA/ANSI-372)
Filter PVC with polycarbonate cover and two polyester screens 30 and 100 mesh

NOTE: PVC connections are socket weld union 3/4” connections. Two 1” to 3/4” reducer couplings are included in the accessory kit to allow unit to adapt to 1” piping systems.
**PUMP TUBES**

PUMP TUBE Includes ferrules 1/4”

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>2-PK</th>
<th>5-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Santoprene® Tube</td>
<td>Classic / SVP / S Series</td>
<td>UCCP201</td>
<td>MCCP201</td>
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<td>UCCP204</td>
<td>MCCP204</td>
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<tr>
<td>#5 Santoprene® Tube</td>
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<tr>
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<td>Classic 45, 85 / SVP / S Series / M128 M07</td>
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<td>MCTYG01</td>
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<td>UCTYG05</td>
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PUMP TUBE EUROPE Includes ferrules 6 mm

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<th>5-PK</th>
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<tbody>
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<td>UCCP25CE</td>
<td>MCCP25CE</td>
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<td>UCCP27CE</td>
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<tr>
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<td>UCTY1CE</td>
<td>MCTY1CE</td>
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<tr>
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<td>UCTY2CE</td>
<td>MCTY2CE</td>
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<tr>
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<td>UCTY5CE</td>
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</table>

PUMP TUBE & DUCKBILL Includes ferrules 1/4”

<table>
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<tr>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>#1 Santoprene® Tube &amp; Duckbill</td>
<td>Classic / SVP / S Series</td>
<td>UCCP1FD</td>
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<td>Classic / SVP / S Series</td>
<td>UCCP2FD</td>
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<tr>
<td>#7 Santoprene® Tube &amp; Duckbill</td>
<td>Classic 45, 85 / SVP / S Series / M128 M07</td>
<td>UCCP7FD</td>
</tr>
<tr>
<td>#1 Versilon® Tube &amp; Pellethane® Duckbill</td>
<td>Classic / SVP / S Series</td>
<td>UCTY1FD</td>
</tr>
<tr>
<td>#2 Versilon® Tube &amp; Pellethane® Duckbill</td>
<td>Classic / SVP / S Series</td>
<td>UCTY2FD</td>
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PUMP TUBE & DUCKBILL EUROPE Includes ferrules 6 mm

<table>
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<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>2-PK</th>
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<tbody>
<tr>
<td>#1 Santoprene® Tube &amp; Duckbill</td>
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<td>UC1FDCE</td>
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<tr>
<td>#2 Santoprene® Tube &amp; Duckbill</td>
<td>Classic / SVP / S Series</td>
<td>UC2FDCE</td>
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<tr>
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<tr>
<td>#1 Versilon® Tube &amp; Pellethane® Duckbill</td>
<td>Classic / SVP / S Series</td>
<td>UCTY1DCE</td>
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<tr>
<td>#2 Versilon® Tube &amp; Pellethane® Duckbill</td>
<td>Classic / SVP / S Series</td>
<td>UCTY2DCE</td>
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</tbody>
</table>

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

### PUMP TUBES Includes ferrules 1/4"

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH Pump &amp; Roller Assembly Color</th>
<th>2-PK</th>
<th>5-PK</th>
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</thead>
<tbody>
<tr>
<td>A Santoprene® Tube</td>
<td>Econ T / FX / VX &amp; White</td>
<td>EC30A-2</td>
<td>EC30A-5</td>
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<tr>
<td>B Santoprene® Tube</td>
<td>Econ T / FX / VX &amp; White</td>
<td>EC30B-2</td>
<td>EC30B-5</td>
</tr>
<tr>
<td>C Santoprene® Tube</td>
<td>Econ T / FX / VX &amp; White</td>
<td>EC30C-2</td>
<td>EC30C-5</td>
</tr>
<tr>
<td>C3 FKM Tube</td>
<td>Econ TD Electric &amp; Black / Econ TD Battery &amp; Blue</td>
<td>EC3C3-2</td>
<td>EC3C3-5</td>
</tr>
<tr>
<td>C4 Silicone Tube</td>
<td>Econ TD Battery &amp; Blue</td>
<td>EC3C4-2</td>
<td>EC3C4-5</td>
</tr>
<tr>
<td>F Santoprene® Tube</td>
<td>Econ FP / Integrator™ / LD / T &amp; White</td>
<td>EC30F-2</td>
<td>EC30F-5</td>
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<tr>
<td>G Santoprene® Tube</td>
<td>Econ FP / Integrator™ / LD / T &amp; Black</td>
<td>EC30G-2</td>
<td>EC30G-5</td>
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<tr>
<td>M Santoprene® Tube</td>
<td>Econ FP / Integrator™ / LD &amp; White</td>
<td>EC30M-2</td>
<td>EC30M-5</td>
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### PUMP TUBES EUROPE Includes ferrules 6 mm

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

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.
The QuickPro® pump head provides **tube replacement without tools** with a collapsible roller assembly and a tube housing cover attached with latches.

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

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<tbody>
<tr>
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<td>QP252-1</td>
<td>QP252-2</td>
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<tr>
<td>#3 Santoprene® Pump Head</td>
<td>Classic / SVP</td>
<td>QP253-1</td>
<td>QP253-2</td>
</tr>
<tr>
<td>#3 Santoprene® Pump Head with Spline *</td>
<td>S Series</td>
<td>S3103-1</td>
<td>S3103-2</td>
</tr>
<tr>
<td>#4 Santoprene® Pump Head</td>
<td>Classic / SVP</td>
<td>QP254-1</td>
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<tr>
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<td>S3104-1</td>
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<tr>
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<td>QP25T2-1</td>
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<td>S Series</td>
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</table>

* Includes leak detect, S Series only

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

<table>
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<th>WORKS WITH</th>
<th>EA</th>
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</tr>
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<tbody>
<tr>
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<td>Classic / SVP</td>
<td>QP172-1</td>
<td>QP172-2</td>
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<td>Classic / SVP</td>
<td>QP173-1</td>
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<td>Classic / SVP</td>
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<td>S Series</td>
<td>S3255-1</td>
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</table>

* Includes leak detect, S Series only

**NOTE:** Confirm material compatibility with the chemical resistance guide in this catalog.
The QuickPro® pump head provides **tube replacement without tools** with a collapsible roller assembly and a tube housing cover attached with latches.

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

<table>
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<th>WORKS WITH</th>
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<tbody>
<tr>
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<tr>
<td>#1 Santoprene® Pump Head with Spline ★</td>
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<td>Classic 45, 85 / SVP / M128 M07</td>
<td>QP107-1</td>
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<tr>
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<td>S3201-1</td>
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<td>Classic / SVP</td>
<td>QP10T2-1</td>
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<tr>
<td>#2 Version® Pump Head with Spline ★</td>
<td>S Series</td>
<td>S3202-1</td>
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</tbody>
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### PUMP HEAD 6.9 bar maximum **EUROPE**
Includes tube, duckbill, ferrules 6 mm

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>2-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Santoprene® Pump Head</td>
<td>Classic / SVP</td>
<td>QP691-1</td>
<td></td>
</tr>
<tr>
<td>#1 Santoprene® Pump Head with Spline ★</td>
<td>S Series</td>
<td>S3151-1</td>
<td>S3151-2</td>
</tr>
<tr>
<td>#2 Santoprene® Pump Head</td>
<td>Classic / SVP</td>
<td>QP692-1</td>
<td></td>
</tr>
<tr>
<td>#2 Santoprene® Pump Head with Spline ★</td>
<td>S Series</td>
<td>S3152-1</td>
<td>S3152-2</td>
</tr>
<tr>
<td>#7 Santoprene® Pump Head</td>
<td>Classic 45, 85 / SVP</td>
<td>QP697-1</td>
<td></td>
</tr>
<tr>
<td>#7 Santoprene® Pump Head with Spline ★</td>
<td>S Series</td>
<td>S3157-1</td>
<td>S3157-2</td>
</tr>
<tr>
<td>#1 Version® Pump Head</td>
<td>Classic / SVP</td>
<td>QP69T1-1</td>
<td></td>
</tr>
<tr>
<td>#1 Version® Pump Head with Spline ★</td>
<td>S Series</td>
<td>S3251-1</td>
<td></td>
</tr>
<tr>
<td>#2 Version® Pump Head</td>
<td>Classic / SVP</td>
<td>QP69T2-1</td>
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</tr>
<tr>
<td>#2 Version® Pump Head with Spline ★</td>
<td>S Series</td>
<td>S3252-1</td>
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</tr>
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★ Includes leak detect, S Series only

**NOTE:** Confirm material compatibility with the chemical resistance guide in this catalog.
The Innermost pump head is next to the motor in the Classic Series Double Head pump.

<table>
<thead>
<tr>
<th>INNERMOST PUMP HEAD 25 psi maximum</th>
<th>includes tube, ferrules 1/4”</th>
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</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>WORKS WITH</td>
</tr>
<tr>
<td>#1 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
</tr>
<tr>
<td>#2 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
</tr>
<tr>
<td>#3 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
</tr>
<tr>
<td>#4 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
</tr>
<tr>
<td>#5 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
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<table>
<thead>
<tr>
<th>INNERMOST PUMP HEAD 1.7 bar maximum</th>
<th>EUROPE</th>
<th>includes tube, ferrules 6 mm</th>
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</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>WORKS WITH</td>
<td>EA</td>
</tr>
<tr>
<td>#1 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA171-1</td>
</tr>
<tr>
<td>#2 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA172-1</td>
</tr>
<tr>
<td>#3 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA173-1</td>
</tr>
<tr>
<td>#4 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA174-1</td>
</tr>
<tr>
<td>#5 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA175-1</td>
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<table>
<thead>
<tr>
<th>INNERMOST PUMP HEAD 100 psi maximum</th>
<th>includes tube, duckbill, ferrules 1/4”</th>
</tr>
</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>WORKS WITH</td>
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<tr>
<td>#1 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
</tr>
<tr>
<td>#2 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INNERMOST PUMP HEAD 6.9 bar maximum</th>
<th>EUROPE</th>
<th>includes tube, duckbill, ferrules 6 mm</th>
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</thead>
<tbody>
<tr>
<td>DESCRIPTION</td>
<td>WORKS WITH</td>
<td>EA</td>
</tr>
<tr>
<td>#1 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA691-1</td>
</tr>
<tr>
<td>#2 Santoprene® Innermost Pump Head</td>
<td>Classic 100, 170</td>
<td>QPA692-1</td>
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</table>

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.
# PUMP HEAD PARTS

## PUMP HEAD PARTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>2-PK</th>
<th>4-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube Housing with Latches</td>
<td>Classic / SVP / M128</td>
<td>QP400-1</td>
<td>QP400-2</td>
<td>—</td>
</tr>
<tr>
<td>Tube Housing with Latches ★</td>
<td>S Series</td>
<td>S3400-1</td>
<td>S3400-2</td>
<td>—</td>
</tr>
<tr>
<td>Latches</td>
<td>Classic / SVP / S Series / M128</td>
<td>—</td>
<td>QP401-2</td>
<td>—</td>
</tr>
<tr>
<td>Roller Assembly</td>
<td>Classic / SVP / M128</td>
<td>QP500-1</td>
<td>—</td>
<td>QP500-4</td>
</tr>
<tr>
<td>Roller Assembly with Spline ★</td>
<td>S Series</td>
<td>S3500-1</td>
<td>—</td>
<td>S3500-4</td>
</tr>
<tr>
<td>Rollers, Arms, Bushings and Screws</td>
<td>Classic / SVP / S Series / M128</td>
<td>QP501-3</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Tube Housing Cover with Bushing</td>
<td>Classic / SVP / M128</td>
<td>QP100-1</td>
<td>—</td>
<td>QP100-4</td>
</tr>
<tr>
<td>Tube Housing Cover with Bushing ★</td>
<td>S Series</td>
<td>S3600-1</td>
<td>—</td>
<td>S3600-4</td>
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* Includes leak detect, S Series only

## INNERMOST PUMP HEAD PARTS (Classic Series Double Head)

<table>
<thead>
<tr>
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<th>WORKS WITH</th>
<th>EA</th>
<th>2-PK</th>
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</thead>
<tbody>
<tr>
<td>Tube Housing Cover</td>
<td>Classic 100, 170</td>
<td>QP10A-1</td>
<td>QP10A-2</td>
</tr>
<tr>
<td>Roller Assembly</td>
<td>Classic 100, 170</td>
<td>QP50A-1</td>
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## PUMP HEAD PARTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH Pump &amp; Tube Combination</th>
<th>EA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roller Assembly, White</td>
<td>Econ FP &amp; F or M, Econ Integrator™ &amp; F or M, Econ T &amp; A, B, C or F</td>
<td>Econ FX &amp; A, B or C</td>
</tr>
<tr>
<td>Roller Assembly, Black</td>
<td>Econ FP &amp; G or H, Econ Integrator™ &amp; G or H, Econ T &amp; G or H, Econ VX &amp; H</td>
<td>Econ FX &amp; H</td>
</tr>
<tr>
<td>Roller Assembly, Blue</td>
<td>Econ TD Battery &amp; C3 or C4</td>
<td>Econ LD &amp; G or H</td>
</tr>
<tr>
<td>Pump Head Cover</td>
<td>All Econ Pumps</td>
<td>EC355</td>
</tr>
</tbody>
</table>
### PUMP HEAD SERVICE KIT 25 psi maximum

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP251K</td>
</tr>
<tr>
<td>#2 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP252K</td>
</tr>
<tr>
<td>#3 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP253K</td>
</tr>
<tr>
<td>#3 Santoprene® Kit*</td>
<td>S Series</td>
<td>QP254K</td>
</tr>
<tr>
<td>#4 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP255K</td>
</tr>
<tr>
<td>#4 Santoprene® Kit*</td>
<td>S Series</td>
<td>QP256K</td>
</tr>
<tr>
<td>#5 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP257K</td>
</tr>
<tr>
<td>#5 Santoprene® Kit*</td>
<td>S Series</td>
<td>QP258K</td>
</tr>
<tr>
<td>#1 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP259K</td>
</tr>
<tr>
<td>#2 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP260K</td>
</tr>
<tr>
<td>#3 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP261K</td>
</tr>
<tr>
<td>#3 Versilon® Kit*</td>
<td>S Series</td>
<td>QP262K</td>
</tr>
<tr>
<td>#4 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP263K</td>
</tr>
<tr>
<td>#4 Versilon® Kit*</td>
<td>S Series</td>
<td>QP264K</td>
</tr>
<tr>
<td>#5 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP265K</td>
</tr>
<tr>
<td>#5 Versilon® Kit*</td>
<td>S Series</td>
<td>QP266K</td>
</tr>
</tbody>
</table>

* Roller Assembly with Spline, S Series only

### PUMP HEAD SERVICE KIT 1.7 bar maximum **EUROPE**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP171K</td>
</tr>
<tr>
<td>#2 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP172K</td>
</tr>
<tr>
<td>#3 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP173K</td>
</tr>
<tr>
<td>#3 Santoprene® Kit*</td>
<td>S Series</td>
<td>QP174K</td>
</tr>
<tr>
<td>#4 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP175K</td>
</tr>
<tr>
<td>#4 Santoprene® Kit*</td>
<td>S Series</td>
<td>QP176K</td>
</tr>
<tr>
<td>#5 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP177K</td>
</tr>
<tr>
<td>#5 Santoprene® Kit*</td>
<td>S Series</td>
<td>QP178K</td>
</tr>
<tr>
<td>#1 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP179K</td>
</tr>
<tr>
<td>#2 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP180K</td>
</tr>
<tr>
<td>#3 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP181K</td>
</tr>
<tr>
<td>#3 Versilon® Kit*</td>
<td>S Series</td>
<td>QP182K</td>
</tr>
<tr>
<td>#4 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP183K</td>
</tr>
<tr>
<td>#4 Versilon® Kit*</td>
<td>S Series</td>
<td>QP184K</td>
</tr>
<tr>
<td>#5 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP185K</td>
</tr>
<tr>
<td>#5 Versilon® Kit*</td>
<td>S Series</td>
<td>QP186K</td>
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* Roller Assembly with Spline, S Series only

NOTE: Confirm material compatibility with the chemical resistance guide in this catalog.
# PUMP HEAD SERVICE KITS

## PUMP HEAD SERVICE KIT 100 psi maximum

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP101K</td>
</tr>
<tr>
<td>#1 Santoprene® Kit *</td>
<td>S Series</td>
<td>S3101K</td>
</tr>
<tr>
<td>#2 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP102K</td>
</tr>
<tr>
<td>#2 Santoprene® Kit *</td>
<td>S Series</td>
<td>S3102K</td>
</tr>
<tr>
<td>#7 Santoprene® Kit</td>
<td>Classic 45, 85 / SVP / M128 M07</td>
<td>QP107K</td>
</tr>
<tr>
<td>#7 Santoprene® Kit *</td>
<td>S Series</td>
<td>S3107K</td>
</tr>
<tr>
<td>#1 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP10T1K</td>
</tr>
<tr>
<td>#1 Versilon® Kit *</td>
<td>S Series</td>
<td>S3201K</td>
</tr>
<tr>
<td>#2 Versilon® Kit</td>
<td>Classic / SVP</td>
<td>QP10T2K</td>
</tr>
<tr>
<td>#2 Versilon® Kit *</td>
<td>S Series</td>
<td>S3202K</td>
</tr>
</tbody>
</table>

* Roller Assembly with Spline, S Series only

## PUMP HEAD SERVICE KIT 6.9 bar maximum

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP691K</td>
</tr>
<tr>
<td>#1 Santoprene® Kit *</td>
<td>S Series</td>
<td>S3111K</td>
</tr>
<tr>
<td>#2 Santoprene® Kit</td>
<td>Classic / SVP</td>
<td>QP692K</td>
</tr>
<tr>
<td>#2 Santoprene® Kit *</td>
<td>S Series</td>
<td>S3112K</td>
</tr>
<tr>
<td>#7 Santoprene® Kit</td>
<td>Classic 45, 85 / SVP</td>
<td>QP697K</td>
</tr>
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<td>#7 Santoprene® Kit *</td>
<td>S Series</td>
<td>S3117K</td>
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<tr>
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<tr>
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<td>Classic / SVP</td>
<td>QP69T2K</td>
</tr>
<tr>
<td>#2 Versilon® Kit *</td>
<td>S Series</td>
<td>S3212K</td>
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* Roller Assembly with Spline, S Series only

**NOTE:** Confirm material compatibility with the chemical resistance guide in this catalog.
## CHECK VALVES and INJECTION PARTS

### INJECTION FITTINGS 25 psi maximum

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>5-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injection Fitting</td>
<td>All Pumps</td>
<td>UCAK300</td>
<td>MCAK300</td>
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### INJECTION FITTINGS 1.7 bar maximum **EUROPE**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>5-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Injection Fitting</td>
<td>All Pumps</td>
<td>UCAK3CE</td>
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</tbody>
</table>

### CHECK VALVES 100 psi maximum

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>5-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes Santoprene® Duckbill, Ferrule 1/4&quot;</td>
<td>All Pumps</td>
<td>UCDBINJ</td>
<td>MCDBINJ</td>
</tr>
<tr>
<td>Includes Pellethane® Duckbill, Ferrule 1/4&quot;</td>
<td>All Pumps</td>
<td>UCTYINJ</td>
<td>MCTYINJ</td>
</tr>
<tr>
<td>Includes FKM Duckbill, Ferrule 1/4&quot;</td>
<td>All Pumps</td>
<td>UCKMINJ</td>
<td>MCKMINJ</td>
</tr>
<tr>
<td>Includes Santoprene® Duckbill, Ferrule 3/8&quot;</td>
<td>All Pumps</td>
<td>UCKMINJ</td>
<td>MCKMINJ</td>
</tr>
<tr>
<td>Includes Pellethane® Duckbill, Ferrule 3/8&quot;</td>
<td>All Pumps</td>
<td>UCTIJ38</td>
<td>MCTIJ38</td>
</tr>
<tr>
<td>Includes FKM Duckbill, Ferrule 3/8&quot;</td>
<td>All Pumps</td>
<td>UCKM38</td>
<td>MCKM38</td>
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<tr>
<td>Injection Ball Check Valve 1/4&quot;</td>
<td>All Pumps</td>
<td>BCV14TVH</td>
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### CHECK VALVES 6.9 bar maximum **EUROPE**

<table>
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<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>5-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Includes Santoprene® Duckbill, Ferrule 6 mm</td>
<td>All Pumps</td>
<td>UCNJCE</td>
<td>MCNJCE</td>
</tr>
<tr>
<td>Includes Pellethane® Duckbill, Ferrule 6 mm</td>
<td>All Pumps</td>
<td>UCTNJCE</td>
<td>MCTNJCE</td>
</tr>
<tr>
<td>Includes FKM Duckbill, Ferrule 6 mm</td>
<td>All Pumps</td>
<td>UCKMJCE</td>
<td>MCKMJCE</td>
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### INJECTION PARTS 100 psi (6.9 bar) maximum

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<th>2-PK</th>
<th>5-PK</th>
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<tbody>
<tr>
<td>Check Valve Injection Fitting 1/4&quot;</td>
<td>All Pumps</td>
<td>CVU1/4</td>
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</tr>
<tr>
<td>Check Valve Injection Fitting 3/8&quot;</td>
<td>All Pumps</td>
<td>CVU3/8</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>Santoprene® Check Valve Duckbill</td>
<td>All Pumps</td>
<td>——</td>
<td>UCCVD0</td>
<td>MCCVD0</td>
</tr>
<tr>
<td>Santoprene® Check Valve O-Ring</td>
<td>All Pumps</td>
<td>CVUJR</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>Pellethane® Check Valve Duckbill</td>
<td>All Pumps</td>
<td>——</td>
<td>UCTYDB2</td>
<td>MCTYDB5</td>
</tr>
<tr>
<td>FKM Check Valve Duckbill &amp; O-Ring</td>
<td>All Pumps</td>
<td>——</td>
<td>UCKMDB0</td>
<td>MCKMDB0</td>
</tr>
<tr>
<td>Pellethane® Check Valve O-Ring</td>
<td>All Pumps</td>
<td>TVUJR</td>
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**NOTE:** Confirm material compatibility with the chemical resistance guide in this catalog.
## MISCELLANEOUS PARTS

<table>
<thead>
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<th>WORKS WITH</th>
<th>EA</th>
<th>2-PK</th>
<th>5-PK</th>
<th>10-PK</th>
<th>24-PK</th>
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</thead>
<tbody>
<tr>
<td>Connecting Nut 1/4&quot;</td>
<td>All Pumps</td>
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<tr>
<td>Connecting Nut 3/8&quot;</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connecting Nut 3/8&quot; with Adapter</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ferrule 1/4&quot;</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weighted Suction Line Strainer 1/4&quot; or 6 mm</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Weighted Suction Line Strainer 3/8&quot;</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AquaShield™ 5.5 oz. Tube</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Indicator 1/4&quot; with Bracket</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Indicator 3/8&quot; with Bracket</td>
<td>All Pumps</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Flow Indicator Bracket</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filter Assembly</td>
<td>Proportional Injection System</td>
<td></td>
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## MISCELLANEOUS PARTS EUROPE

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>2-PK</th>
<th>5-PK</th>
<th>10-PK</th>
<th>24-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferrule 6 mm</td>
<td>All Pumps</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Weighted Suction Line Strainer 1/4&quot; or 6 mm</td>
<td>All Pumps</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flow Indicator 6 mm with Bracket</td>
<td>All Pumps</td>
<td></td>
<td></td>
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## SUCTION/DISCHARGE TUBING

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>20' Roll</th>
<th>100' Roll</th>
<th>1000' Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4&quot; UV Black</td>
<td>All Pumps</td>
<td>AK4002B</td>
<td>AK4010B</td>
<td>AK4100B</td>
</tr>
<tr>
<td>1/4&quot; White</td>
<td>All Pumps</td>
<td>AK4002W</td>
<td>AK4010W</td>
<td>AK4100W</td>
</tr>
<tr>
<td>3/8&quot; UV Black</td>
<td>All Pumps</td>
<td>MALTB02</td>
<td>MALT010</td>
<td>MALTB10</td>
</tr>
<tr>
<td>3/8&quot; White</td>
<td>All Pumps</td>
<td>MALT002</td>
<td>MALT010</td>
<td>MALT100</td>
</tr>
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</table>

## SUCTION/DISCHARGE TUBING EUROPE

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>20' Roll</th>
<th>100' Roll</th>
<th>1000' Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mm White</td>
<td>All Pumps</td>
<td>AK20W6M</td>
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# MOTORS

## MOTOR 60Hz

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>Classic Adjustable 45, 100</td>
<td>PM6041D</td>
</tr>
<tr>
<td>220V</td>
<td>Classic Adjustable 45, 100</td>
<td>PM6042D</td>
</tr>
<tr>
<td>120V</td>
<td>Classic Adjustable 85, 170</td>
<td>PM6081D</td>
</tr>
<tr>
<td>220V</td>
<td>Classic Adjustable 85, 170</td>
<td>PM6082D</td>
</tr>
<tr>
<td>120V</td>
<td>Classic Fixed 45</td>
<td>ME6041D</td>
</tr>
<tr>
<td>220V</td>
<td>Classic Fixed 45</td>
<td>ME6042D</td>
</tr>
<tr>
<td>120V</td>
<td>Classic Fixed 85</td>
<td>ME6081D</td>
</tr>
<tr>
<td>220V</td>
<td>Classic Fixed 85</td>
<td>ME6082D</td>
</tr>
<tr>
<td>120V</td>
<td>Classic Fixed 100</td>
<td>DM6041D</td>
</tr>
<tr>
<td>220V</td>
<td>Classic Fixed 100</td>
<td>DM6042D</td>
</tr>
<tr>
<td>120V</td>
<td>Classic Fixed 170</td>
<td>DM6081D</td>
</tr>
<tr>
<td>220V</td>
<td>Classic Fixed 170</td>
<td>DM6082D</td>
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</table>

## MOTOR 50Hz

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
</tr>
</thead>
<tbody>
<tr>
<td>230V</td>
<td>Classic Adjustable 45, 100</td>
<td>PM64230</td>
</tr>
<tr>
<td>250V</td>
<td>Classic Adjustable 45, 100</td>
<td>PM6426D</td>
</tr>
<tr>
<td>230V</td>
<td>Classic Adjustable 85, 170</td>
<td>PM68230</td>
</tr>
<tr>
<td>250V</td>
<td>Classic Adjustable 85, 170</td>
<td>PM6826D</td>
</tr>
<tr>
<td>230V</td>
<td>Classic Fixed 45</td>
<td>ME64230</td>
</tr>
<tr>
<td>250V</td>
<td>Classic Fixed 45</td>
<td>ME6426D</td>
</tr>
<tr>
<td>230V</td>
<td>Classic Fixed 85</td>
<td>ME68230</td>
</tr>
<tr>
<td>250V</td>
<td>Classic Fixed 85</td>
<td>ME6826D</td>
</tr>
<tr>
<td>230V</td>
<td>Classic Fixed 100</td>
<td>DM64230</td>
</tr>
<tr>
<td>250V</td>
<td>Classic Fixed 100</td>
<td>DM64250</td>
</tr>
<tr>
<td>230V</td>
<td>Classic Fixed 170</td>
<td>DM68230</td>
</tr>
<tr>
<td>250V</td>
<td>Classic Fixed 170</td>
<td>DM68250</td>
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</table>

## MOTOR SERVICE KITS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>KIT</th>
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</thead>
<tbody>
<tr>
<td>120V 60Hz</td>
<td>All Classic Pumps</td>
<td>MSK120</td>
</tr>
<tr>
<td>220V 60Hz</td>
<td>All Classic Pumps</td>
<td>MSK220</td>
</tr>
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## GEARS CASE SERVICE KITS

<table>
<thead>
<tr>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic Adjustable 45, 100</td>
<td>GSK45A</td>
</tr>
<tr>
<td>Classic Adjustable 85, 170</td>
<td>GSK85A</td>
</tr>
<tr>
<td>Classic Fixed 45</td>
<td>GSK45F</td>
</tr>
<tr>
<td>Classic Fixed 85</td>
<td>GSK85F</td>
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</table>
## MOTOR PARTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>10-PK</th>
<th>24-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Rain Roof</td>
<td>All Classic Pumps</td>
<td>MP90000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not shown Pump Cover</td>
<td>Classic Adjustable 45, 85</td>
<td>MP90001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not shown Pump Cover &amp; Rain Roof</td>
<td>Classic Adjustable 45, 85</td>
<td>MP90002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Power Cord 120V</td>
<td>All Classic Pumps</td>
<td>MP6B010</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Cord 220V</td>
<td>All Classic Pumps</td>
<td>MP6B020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Switch Boot</td>
<td>All Classic Pumps</td>
<td>MP6C000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Toggle Switch</td>
<td>All Classic Pumps</td>
<td>PM6E000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 On-Off Switch Plate</td>
<td>All Classic Pumps</td>
<td>MP6D000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Switch Boot</td>
<td>All Classic Pumps</td>
<td>PM6D010</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Cover with 120V Cord</td>
<td>All Classic Pumps</td>
<td>PM6E001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Cover with 220V Cord</td>
<td>All Classic Pumps</td>
<td>PM6E002</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 Motor Fan</td>
<td>All Classic Pumps</td>
<td>PM6F000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 Motor Base</td>
<td>All Classic Pumps</td>
<td>PM70000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Mounting Bracket</td>
<td>All Classic Pumps</td>
<td>PM80000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 Rotor Assembly with Bearings, Brackets, Tolerance Rings &amp; Fan</td>
<td>All Classic Pumps</td>
<td>PM8RPL2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Coil 60Hz 120V</td>
<td>All Classic Pumps</td>
<td>MP6J115</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coil 60Hz 220V</td>
<td>All Classic Pumps</td>
<td>MP6J226</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 Gear Case with Posts</td>
<td>All Classic Pumps</td>
<td>PM6K001</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 Gear Posts</td>
<td>All Classic Pumps</td>
<td>PM6M000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 Phenolic Gear with Spacer 26 rpm</td>
<td>Classic 45, 100</td>
<td>MP6N040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenolic Gear with Spacer 44 rpm</td>
<td>Classic 85, 170</td>
<td>MP6N080</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 Metal Reduction Gear 26 rpm</td>
<td>Classic 45, 100</td>
<td>MP6O040</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Metal Reduction Gear 44 rpm</td>
<td>Classic 85, 170</td>
<td>MP6O080</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 Motor Shaft with Gear</td>
<td>Classic Adjustable 45, 85, 100, 170</td>
<td>MP6O000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Shaft with Gear</td>
<td>Classic Fixed 45, 85</td>
<td>ME6O000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Shaft with Gear</td>
<td>Classic Fixed 100, 170</td>
<td>DM6O000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 Gear Case Cover</td>
<td>All Classic Pumps</td>
<td>PM6R000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 Pressure Spring</td>
<td>Classic Adjustable 45, 85, 100, 170</td>
<td>MP6T000</td>
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</tr>
<tr>
<td>19 Cover Screw B</td>
<td>All Pumps</td>
<td>UCCPSOB</td>
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</table>

## MOTOR PARTS EUROPE

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>10-PK</th>
<th>24-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 Coil 50Hz 230V</td>
<td>All Classic Pumps</td>
<td>MP6J233</td>
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</tr>
<tr>
<td>Coil 50Hz 250V</td>
<td>All Classic Pumps</td>
<td>MP6J222</td>
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</tr>
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</table>

USA and Canada 800.683.2378, International 904.641.1666 59
## MOTOR PARTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>10-PK</th>
<th>24-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Drive Assembly Pad</td>
<td>All Econ Pumps excluding Econ TD Battery</td>
<td>EC302</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Gear Kit includes spacers, screws and AquaShield™</td>
<td>All Econ Pumps with E10 prefix</td>
<td>EC310</td>
<td></td>
<td></td>
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<tr>
<td>3 Gear Case Front Cover</td>
<td>All Econ Pumps</td>
<td>EC320</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Cover Screw B</td>
<td>All Econ Pumps</td>
<td>EC330</td>
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</table>

- Drive shown for reference, not sold separately.

## OPTIONAL MOUNTING ACCESSORIES

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting Kit (for wall mount or Stenner tank)</td>
<td>All Econ Pumps excluding Econ TD Battery</td>
<td></td>
<td>EC303</td>
</tr>
<tr>
<td>Stand (for horizontal display or wall mount)</td>
<td>All Econ Pumps excluding Econ TD Battery</td>
<td>EC304</td>
<td></td>
</tr>
</tbody>
</table>

- Mounting Kit
- Stand

[Image: Motor parts diagram]
FEED RATE CONTROL

FEED RATE CONTROL PARTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH</th>
<th>EA</th>
<th>2-PK</th>
<th>5-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 FRC Screw A</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FCS000A</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>2 Feed Rate Mounting Plate</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FCSN000</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>3 Dial Ring</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5M040</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>4 Variable Cam</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>——</td>
<td>UCFC5H0</td>
<td>MCFC5H0</td>
</tr>
<tr>
<td>5 Index Pin Lifter</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>——</td>
<td>UCFC5L1</td>
<td>MCFC5L1</td>
</tr>
<tr>
<td>6 Index Pin Holder</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5L003</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>7 Index Pin Spring</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5L005</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>8 Index Pin</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5L002</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>9 Index Pin Assembly with Lifter includes 5, 6, 7 &amp; 8</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>UCFC5AY</td>
<td>MCFC5AY</td>
<td>——</td>
</tr>
<tr>
<td>10 Index Spider</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5K00D</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>11 Index Spider Assembly includes 9 &amp; 10</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5LASY</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>12 Index Plate</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>UCFC5ID</td>
<td>MCFC5ID</td>
<td>——</td>
</tr>
<tr>
<td>13 Feed Rate Housing with Roller Clutch, Seal &amp; Rivets</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5D00S</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>14 Mounting Rivet C</td>
<td>Classic Adj. 45, 85, 100, 170</td>
<td>FC5000C</td>
<td>——</td>
<td>——</td>
</tr>
<tr>
<td>15 Main Shaft</td>
<td>Classic Adj. 45, 85</td>
<td>UCFC5AD</td>
<td>MCFC5AD</td>
<td>——</td>
</tr>
<tr>
<td>16 Main Shaft</td>
<td>Classic Adj. 100, 170</td>
<td>DM5A00D</td>
<td>——</td>
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FEED RATE CONTROL WITH SHAFT

<table>
<thead>
<tr>
<th>WORKS WITH</th>
<th>EA</th>
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</thead>
<tbody>
<tr>
<td>Classic Adj. 100, 170 45, 85</td>
<td>FC5040D</td>
</tr>
<tr>
<td>Classic Adj. 100, 170 100, 170</td>
<td>DM5040D</td>
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</table>

FEED RATE CONTROL SERVICE KITS

<table>
<thead>
<tr>
<th>WORKS WITH</th>
<th>KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic Adj. 100, 170 45, 85, 100, 170</td>
<td>FSK100</td>
</tr>
</tbody>
</table>
# WATER METER PARTS

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>WORKS WITH Plastic Water Meter</th>
<th>EA</th>
<th>2-PK</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; Plastic Couplings with Gaskets</td>
<td>3/4&quot;</td>
<td></td>
<td>JLP38009P</td>
</tr>
<tr>
<td>1&quot; Plastic Couplings with Gaskets</td>
<td>1&quot;</td>
<td></td>
<td>JLP38012P</td>
</tr>
<tr>
<td>1/8&quot; Rubber Gaskets for 3/4&quot;</td>
<td>3/4&quot;</td>
<td></td>
<td>JLP38007R</td>
</tr>
<tr>
<td>1/8&quot; Rubber Gaskets for 1&quot;</td>
<td>1&quot;</td>
<td></td>
<td>JLP38012R</td>
</tr>
<tr>
<td>Reed Switch, Single with screw</td>
<td>1 ppg, 4 ppg, 10 ppg</td>
<td>JLP32RS</td>
<td></td>
</tr>
<tr>
<td>Reed Switch, Dual with screw</td>
<td>2 ppg</td>
<td>JLP34RS</td>
<td></td>
</tr>
<tr>
<td>INDEX</td>
<td>PAGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>------</td>
<td></td>
<td></td>
</tr>
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# 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

## Chemical / Solution

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## 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.

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

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

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

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

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Hastelloy® is a registered trademark of Haynes International, Inc.
AquaShield™ is a trademark of Houghton International.