Economical metering pump solutions!

Quality, reliability and the best value!

The Concept Plus series covers a capacity range of 0.20 to 3.94 GPH (0.74 to 14.9 LPH) at pressures up to 232 psi (16 bar).

Its compact construction and features make it ideal for use in flow proportional or on-off control applications. The Concept Plus mounts easily onto a tank or wall bracket.

Typical applications include metal finishing, car washes and cooling towers.

Adjustment of the pump capacity is via the stroke length in the range of 10 - 100 % or can be set at 1 of the 4 stroke frequency settings. This gives an adjustment ratio of 40 : 1.

External control via dry contact pulse (1:1)

New PVDF Liquid ends are ideal for standardization.

Wetted end materials: PP, Acrylic/PVC or PVDF

Features and benefits

- Low cost opens up opportunities in the most basic applications
- PVDF wetted ends eliminate compatibility concerns
- Integral bleed valve prevents “loss of prime”
- Lowest maintenance costs in its class

Applications

- Cooling towers
- Boiler feed applications
- General Chlorination
- Municipal and industrial wastewater
- Water disinfection
- Biocide feed
- “Pump on a drum” applications
## Capacity data

<table>
<thead>
<tr>
<th>Pump Type</th>
<th>Pump Capacity at Maximum Stroke</th>
<th>Back Pressure</th>
<th>Output Suction Stroke</th>
<th>Max. per Rate</th>
<th>Max. Stroke/Stroke Rate</th>
<th>Lift</th>
<th>Suction/Discharge Connector</th>
<th>Shipping Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>psig (bar)</td>
<td>U.S. GPH</td>
<td>mL/Stroke</td>
<td>(L/h)</td>
<td>Stroke/min</td>
<td>(water) ft. (m)</td>
<td>O.D. x I.D. (in.)</td>
<td>(approx.) lbs. (kg)</td>
</tr>
<tr>
<td>1000</td>
<td>145 (10)</td>
<td>0.20 (0.74)</td>
<td>0.07</td>
<td>180</td>
<td>20 (6)</td>
<td>1/4 x 3/16</td>
<td>3.97 (1.8)</td>
<td></td>
</tr>
<tr>
<td>1601</td>
<td>232 (16)</td>
<td>0.29 (1.1)</td>
<td>0.10</td>
<td>180</td>
<td>20 (6)</td>
<td>1/4 x 3/16</td>
<td>3.97 (1.8)</td>
<td></td>
</tr>
<tr>
<td>1002</td>
<td>145 (10)</td>
<td>0.55 (2.1)</td>
<td>0.19</td>
<td>180</td>
<td>16 (5)</td>
<td>1/4 x 3/16</td>
<td>3.97 (1.8)</td>
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</tr>
<tr>
<td>0704</td>
<td>102 (7)</td>
<td>1.03 (3.9)</td>
<td>0.36</td>
<td>180</td>
<td>13 (4)</td>
<td>1/4 x 3/16</td>
<td>3.97 (1.8)</td>
<td></td>
</tr>
<tr>
<td>0308</td>
<td>43 (3)</td>
<td>2.25 (8.5)</td>
<td>0.79</td>
<td>180</td>
<td>20 (6)</td>
<td>3/8 x 1/4</td>
<td>3.97 (1.8)</td>
<td></td>
</tr>
<tr>
<td>0215</td>
<td>21 (2)</td>
<td>3.94 (14.9)</td>
<td>1.40</td>
<td>180</td>
<td>5 (1.5)</td>
<td>3/8 x 1/4</td>
<td>3.97 (1.8)</td>
<td></td>
</tr>
</tbody>
</table>

External retrofit kit available with 6.5 ft. (2 m) control cable: p.n. 1022099

## Identity code pump configuration

```
<table>
<thead>
<tr>
<th>CNPa</th>
<th>Concept PLUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
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<tr>
<td>1601</td>
<td>0308</td>
</tr>
<tr>
<td>1002</td>
<td>0215</td>
</tr>
</tbody>
</table>
```

**Pump version:**
- 0: Standard with logo
- 1: With accessories (foot valve, injection valve, tubing)
- 2: Pulse control
- 3: With bleed valve, w/ valve springs
- 4: With bleed valve, w/o valve springs

**Seals:**
- B: Viton/b
- E: EPDM
- T: PTFE
- V: Viton® is a registered trademark of DuPont Dow Elastomers

**Liquid end version:**
- 0: Standard (in accordance with technical data)
- 1: With accessories (foot valve, injection valve, tubing)
- 2: Pulse control
- 3: With bleed valve, w/ valve springs

**Liquid end materials:**
- PP: Polypropylene
- NP: Acrylic/PVC
- PV: PVDF

**Hydraulic Connector:**
- 0: Standard (in accordance with technical data)
- 1: With accessories (foot valve, injection valve, tubing)

**Electrical connection:**
- A: 1 ph 230 V 50/60 Hz (Euro plug)
- D: 1 ph 115 V 50/60 Hz (US plug)
- U: 1 ph 230 V 50/60 Hz (US plug) (consult factory for pricing)

**Control Option:**
- 0: Standard (w/o external control)
- B: Pulse control