The ProMinent® Concept b series covers a capacity range of 0.19 to 4.33 GPH (0.7 to 16.4 L/h) 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 b mounts easily onto a tank or wall bracket. 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.

**Features & Benefits**
- NSF 61/50 approved
- 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
- External control via dry contact pulse (1:1)
- Wetted end materials: PP, Acrylic/PVC or PVDF

**Applications**
- Swimming pools
- Spas, fountains and spray pads
- Cooling towers
- Boiler feed applications
- General Chlorination
- Municipal and industrial wastewater
- Water disinfection
- Biocide feed
- “Pump on a drum” applications
## Technical data

### Capacity Data

<table>
<thead>
<tr>
<th>Pump Version</th>
<th>Capacities at Maximum Back Pressure</th>
<th>mL/stroke</th>
<th>Max. Stroking Rate</th>
<th>Pre-Primed Suction Lift</th>
<th>Tubing Connectors O.D. x I.D.</th>
<th>Shipping Weight (approx.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>psig (bar)</td>
<td>GPH (L/h)</td>
<td>spm</td>
<td>ft. (m)</td>
<td>(in.)</td>
<td>lbs.</td>
</tr>
<tr>
<td>CNPb</td>
<td>1000</td>
<td>145 (10)</td>
<td>0.19 (0.7)</td>
<td>0.07</td>
<td>180</td>
<td>20 (6)</td>
</tr>
<tr>
<td></td>
<td>1601</td>
<td>232 (16)</td>
<td>0.29 (1.1)</td>
<td>0.10</td>
<td>180</td>
<td>20 (6)</td>
</tr>
<tr>
<td></td>
<td>1002</td>
<td>145 (10)</td>
<td>0.63 (2.4)</td>
<td>0.19</td>
<td>180</td>
<td>16 (5)</td>
</tr>
<tr>
<td></td>
<td>1003</td>
<td>145 (10)</td>
<td>0.79 (3.0)</td>
<td>0.21</td>
<td>240</td>
<td>16 (5)</td>
</tr>
<tr>
<td></td>
<td>0704</td>
<td>102 (7)</td>
<td>1.03 (4.0)</td>
<td>0.41</td>
<td>180</td>
<td>13 (4)</td>
</tr>
<tr>
<td></td>
<td>0705</td>
<td>102 (7)</td>
<td>1.37 (5.2)</td>
<td>0.36</td>
<td>240</td>
<td>13 (4)</td>
</tr>
<tr>
<td></td>
<td>0309</td>
<td>44 (3)</td>
<td>2.38 (9.0)</td>
<td>0.83</td>
<td>180</td>
<td>20 (6)</td>
</tr>
<tr>
<td></td>
<td>0215</td>
<td>22 (1.5)</td>
<td>4.33 (16.4)</td>
<td>1.45</td>
<td>180</td>
<td>5 (1.5)</td>
</tr>
</tbody>
</table>

External pulse contact retrofit available as an option (P/N 1022000)
NSF 50 certification only applies to NPB0 & NPB2 liquid ends

### Identity code pump configuration

<table>
<thead>
<tr>
<th>CNPb</th>
<th>Concept PLUS</th>
<th>Capacity</th>
<th>Version</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>0.19 gph (0.7 L/h), 145 psi (10 bar)</td>
<td>0704</td>
<td>1.03 gph (4.0 L/h), 102 psi (7 bar)</td>
<td></td>
</tr>
<tr>
<td>1601</td>
<td>0.29 gph (1.1 L/h), 232 psi (16 bar)</td>
<td>0705</td>
<td>1.37 gph (5.2 L/h), 102 psi (7 bar)</td>
<td></td>
</tr>
<tr>
<td>1002</td>
<td>0.63 gph (2.4 L/h), 145 psi (10 bar)</td>
<td>0209</td>
<td>2.38 gph (9.0 L/h), 44 psi (3 bar)</td>
<td></td>
</tr>
<tr>
<td>1003</td>
<td>0.79 gph (3.0 L/h), 145 psi (10 bar)</td>
<td>0215</td>
<td>4.33 gph (16.4 L/h), 22 psi (1.5 bar)</td>
<td></td>
</tr>
</tbody>
</table>

### Liquid end material:
- **PP**: Polypropylene
- **NP**: Acryllic/PVC
- **PV**: PVDF

### O-rings:
- **B**: Viton® seals
- **E**: EPDM seals
- **T**: PTFE seals

### Liquid end version:
- 0: Non-bleed version, no valve spring
- 1: Non-bleed version, with valve spring
- 2: With bleed valve, no valve spring (except 0704 models)
- 3: With bleed valve, with valve spring

### Connection:
- **M**: 1/4" x 3/16"
- **N**: 3/8" x 1/4"

### Logo:
- 0: With ProMinent® logo

### Power Supply:
- **A**: 1 ph 230 V 50/60 Hz (Euro plug)
- **D**: 1 ph 115 V 50/60 Hz (US plug)
- **4**: 1 ph 230 V 50/60 Hz (US plug) (consult factory for pricing)

### Control Option:
- **0**: Standard (w/o external control)
- **B**: With external and level input retrofit kit, fitted, without level switch

### Accessories:
- 1: With accessories (foot valve, injection valve, tubing)

### Control Variant:
- **0**: Standard

### Approval:
- **01**: CE
- **07**: MET
- **11**: MET + NSF 61

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