CoolPoint™ shown with D2 totalizer

**Description**

This flowmeter is made for water, water/glycol coolant or low viscosity fluids. Display is a 6-digit LED. Shows flow rate or toggle between running and resettable totals. Push button selection for LPM or GPM. It has the following features:
- Pulse output
- LED digital display (total or rate)
- No moving parts to clog or wear
- Certified CSA and CE

**User-Configurable Options**

Features selectable:
- Engineering units (Gallons, Liters)
- Rate or total display only

**Instrument Specifications**

- **Flow**
  Visual readout: 6 digit LED, 0.3" digit height
  Accuracy: ±1.5% of indicated total
  Turndown (ratio of max to minimum flow rates): 10:1 at all temperatures and 20:1 available optionally for standard temperatures.
- **Pressure**
  300 PSIG (20 Bar) operating pressure
- **General**
  Fluid temperature limits: 35-150°F (2-66°C) standard, 210°F (99°C) with E22 high temp option.
  Enclosure rating: IP 65, Type 1, 3, 4, 12 and 13
- **Pipe Connections**
  Female NPT, BSPP & BSPT
- **Back pressure of 10 PSIG required.** (See manual for elevated temperature.)
- **Response time** 450 ms

**Electrical Specifications**

- Input Power: 10 - 30 VDC @ 80 mA
- Electrical Connection
  Pin Connector (standard)
  Pigtails (optional)
  Junction Box with terminal strip (optional)

**Material Specifications**

Flow bodies of brass or 316 Stainless Steel with PVDF sensors and Viton® seals standard. PEEK sensors used for high temperature option.

Viton® is a registered trademark for DuPont Performance Elastomers.
**How To Order** Select the appropriate symbols to build a model code:

**MODEL CODES**

<table>
<thead>
<tr>
<th>Flow maximum GPM (LPM)</th>
<th>Pipe size in inches</th>
<th>Model code</th>
<th>Material</th>
<th>Thread options available</th>
<th>Connector or conduit box options available</th>
<th>Special options</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 (23)</td>
<td>3/4</td>
<td>CP6F9D2</td>
<td>-M1*=Brass</td>
<td>T1*=NPT</td>
<td>C1*=Pin connector</td>
<td>W1=20:1 extended turndown **</td>
</tr>
<tr>
<td>12 (45)</td>
<td>3/4</td>
<td>CP6F2D2</td>
<td>-M2=316 Stainless Steel</td>
<td>T2=BSPT</td>
<td>C2=Pig tails</td>
<td></td>
</tr>
<tr>
<td>25 (95)</td>
<td>3/4</td>
<td>CP6D2</td>
<td></td>
<td>T3=BSPP</td>
<td>C3=Conduit box, terminal strip)</td>
<td>E22=High temp</td>
</tr>
<tr>
<td>50 (190)</td>
<td>1</td>
<td>CP8D2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 (380)</td>
<td>1 1/2</td>
<td>CP12D2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>100 (380)</td>
<td>2</td>
<td>CP16F5D2</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>200 (750)</td>
<td>2</td>
<td>CP16D2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Indicates default selection. If no selection is made, this option is assumed.

Example: CP6F9D2 is the same as CP6F9D2-M1T1C1

**PRESSURE DROP**

![Graph showing pressure drop vs. flow]
### INSTALLATION DRAWING – BASIC METERS

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP6-CP8</td>
<td>4.50</td>
<td>2.25</td>
<td>4.92</td>
<td>3.75</td>
<td>7.79</td>
<td></td>
</tr>
<tr>
<td>CP12-CP16</td>
<td>6.75</td>
<td>3.37</td>
<td>6.14</td>
<td>3.75</td>
<td>4.19</td>
<td></td>
</tr>
</tbody>
</table>

### INSTALLATION DRAWING – METERS WITH OPTIONAL JUNCTION BOX

<table>
<thead>
<tr>
<th>Size</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP6 and CP8</td>
<td>4.50</td>
<td>2.25</td>
<td>6.52</td>
<td>4.92</td>
<td>3.75</td>
<td>7.79</td>
</tr>
<tr>
<td></td>
<td>[114]</td>
<td>[57mm]</td>
<td>[166mm]</td>
<td>[125mm]</td>
<td>[95mm]</td>
<td>[198mm]</td>
</tr>
<tr>
<td>CP12 and CP16</td>
<td>6.75</td>
<td>3.37</td>
<td>6.87</td>
<td>6.14</td>
<td>3.75</td>
<td>7.79</td>
</tr>
<tr>
<td></td>
<td>[171]</td>
<td>[86mm]</td>
<td>[175mm]</td>
<td>[156mm]</td>
<td>[95mm]</td>
<td>[198mm]</td>
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</tbody>
</table>
ACCESSORY CABLES AVAILABLE FOR PIN CONNECTOR METERS

<table>
<thead>
<tr>
<th>Series</th>
<th>Description</th>
<th>Length in Meters</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP</td>
<td>5 pin female</td>
<td>1</td>
<td>6241-1M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>6241-3M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>6241-10M</td>
</tr>
</tbody>
</table>

PIN CONNECTOR

**D2**

- **WHITE**: NOT USED
- **BROWN**: +24 VDC POWER SUPPLY
- **GRAY**: FLOW SIGNAL PULSE OUTPUT*
- **BLACK**: SUPPLY & CHASSIS GROUND
- **BLUE**: SUPPLY GROUND

*This is a pulse, not an open collector contact.

**D2 UNIT WITH W1 (20:1 TURNDOWN)**

- **WHITE**: NOT USED
- **BROWN**: +24 VDC POWER SUPPLY
- **GRAY**: FLOW SIGNAL PULSE OUTPUT*
- **BLACK**: SUPPLY & CHASSIS GROUND
- **BLUE**: SUPPLY & CHASSIS GROUND

**PIN CONFIGURATION:**
- 1: + 24 VDC power supply
- 2: not used
- 3: supply & chassis ground
- 4: supply & chassis ground
- 5: flow signal pulse output

Note: There is an internal 10K Ω pull-up resistor on the pulse output line (pin 5).

*This is a pulse, not an open collector contact.