This flowmeter is made for water, water/glycol coolant or low viscosity fluids. It has the following features:

- Flow transmitter 4-20 mA
- Solid state relay configurable as alarm set points or pulse output
- LED digital display
- No moving parts to clog or wear
- Certified CSA and CE
- Optional temperature transmitter

Electrical Specifications

- Input Power: 10 - 30 VDC @ 80 mA
- Output: 4-20 mA with 25 pulses per gallon from the solid state relay
- Electrical Connection
  - Pin Connector (standard)
  - Pigtails (optional)
  - Junction Box with terminal strip (optional)

Material Specifications

Flow bodies of brass with PVDF sensors and Viton® seals standard. PEEK sensors used for high temp for fluids above 150°F.

User-Configurable Options

Features that are selectable on 4-20 mA/pulse out units include:

- Selectable alarm state (N.O. or N.C.)
- Set point or pulse output
- Rotatable control box standard for all units
- Engineering units (GPM, LPM)

Viton® is a registered trademark for DuPont Performance Elastomers.
**MODEL CODES**

<table>
<thead>
<tr>
<th>Flow maximum</th>
<th>Pipe size in inches</th>
<th>Model code</th>
<th>Connector or conduit box options available</th>
<th>Special options</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOW</td>
<td>300 (1136)</td>
<td>3</td>
<td>CP24</td>
<td>-C1=Pin connector</td>
</tr>
<tr>
<td></td>
<td>600 (2271)</td>
<td>4</td>
<td>CP32</td>
<td>-C2=Pig tails</td>
</tr>
<tr>
<td>FLOW AND TEMPERATURE</td>
<td>300 (1136)</td>
<td>3</td>
<td>CT24</td>
<td>-C3=Conduit box, terminal strip</td>
</tr>
<tr>
<td></td>
<td>600 (2271)</td>
<td>4</td>
<td>CT32</td>
<td></td>
</tr>
</tbody>
</table>

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

**Example:** CP24 is the same as CP24-C1

**PRESSURE DROP**

![Pressure Drop Chart](chart.png)
INSTALLATION DRAWING – 3” AND 4” PORT SIZE

CONTROL BOX CAN BE ROTATED TO ANY OF (4) DETENTED POSITIONS IN 90° INCREMENTS

Class 150 Raised Face Flange

FLOW - IN

FLOW - OUT

FLOW - OUT

FLOW - IN

Option C3

JUNCTION BOX

A

B

C

D

E

F

G

H

500-14 NPT CONDUIT CONNECTION

H FLANGE DIA.

Option C3

5.00-14 NPT CONDUIT CONNECTION

Option C3

JUNCTION BOX

H FLANGE DIA.

Control Box can be rotated to any of (4) detented positions in 90° increments.

Class 150 Raised Face Flange

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP24</td>
<td>7.75</td>
<td>3.88</td>
<td>8.90</td>
<td>11.13</td>
<td>4.44</td>
<td>6.03</td>
<td>5.73</td>
<td>7.50</td>
</tr>
<tr>
<td>[197 mm]</td>
<td>[99 mm]</td>
<td>[226 mm]</td>
<td>[283 mm]</td>
<td>[113 mm]</td>
<td>[153 mm]</td>
<td>[146 mm]</td>
<td>[191 mm]</td>
<td></td>
</tr>
<tr>
<td>CT24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CP32</td>
<td>10.75</td>
<td>5.38</td>
<td>9.46</td>
<td>12.57</td>
<td>4.44</td>
<td>6.03</td>
<td>6.43</td>
<td>9</td>
</tr>
<tr>
<td>[273 mm]</td>
<td>[137 mm]</td>
<td>[240 mm]</td>
<td>[319 mm]</td>
<td>[113 mm]</td>
<td>[153 mm]</td>
<td>[163 mm]</td>
<td>[229 mm]</td>
<td></td>
</tr>
<tr>
<td>CT32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
</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</td>
<td>1, 3, 10</td>
<td>6241-1M, 6241-3M, 6241-10M</td>
</tr>
<tr>
<td></td>
<td>female</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CT</td>
<td>8 pin</td>
<td>2, 5, 10</td>
<td>6242-2M, 6242-5M, 6242-10M</td>
</tr>
<tr>
<td></td>
<td>female</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3
PIN CONNECTOR PINOUTS

CP (FLOW ONLY)

1: +24 VDC power supply
2: 4-20 mA flow signal out
3: supply ground
4: flow relay contact
5: flow relay contact
6: 4-20 mA temp signal out
7: temp relay contact
8: temp relay contact

Use pull up resistor (2-10K Ohm) to turn open collector signal (flow relay contact) into a pulse.

CT (FLOW AND TEMPERATURE)

1: +24 VDC power supply
2: 4-20 mA flow signal out
3: power supply ground
4: flow relay contact
5: flow relay contact
6: 4-20 mA temp signal out
7: temp relay contact
8: temp relay contact

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