**Specifications**

**PRESSURE:**
Vacuum to 120 psi, 8.3 bar

**TEMPERATURE:**
-40°F to 180°F (-40°C to 82°C)

**MATERIALS:**
- Main components and valves: Acetal
- Thumb latch: Acetal
- Valve springs: 316 stainless steel
- External springs and pins: Stainless steel
- O-rings: Buna-N

**COLOR:** Natural white with light gray latch

**TUBING SIZES:**
1/4” to 3/8” ID, 6.4mm to 9.5mm ID

**FEATURES**
- Plastic thumb latch
- Shrouded thumb latch
- Integral terminations
- Compatibility

**BENEFITS**
- No exposed metal parts
- Protects against accidental disconnects
- Fewer leak points, shorter assemblies, faster installations
- Mates with most EFC couplings

The 1/4” flow **APC Series couplings** feature a plastic thumb latch, fewer moving parts and a smooth contoured design to deliver ease-of-use and excellent flow in a compact size. The APC Series includes couplings with valves and thumb latch shrouds. A more rugged design on some models adds durability to increase the APC’s application range.

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**Liquid Flow Rate Information for Couplings**

The chart below shows the flow rate for CPC couplings. Each coupling was tested with water at 70°F (21°C). To determine flow rates for specific coupling configurations use the formula at the right.

### CV VALUES FOR APC COUPLINGS

\[
Q = CV \times \frac{P}{S}
\]

- **Q**=
  - Flow rate in gallons per minute
- **CV**=
  - Average coefficient across various flow rates (see chart)
- **P**=
  - Pressure drop across coupling (psi)
- **S**=
  - Specific gravity of liquid

**NOTES:**
- These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower limits are shown. Therefore, depending on the exact coupling configuration selected, you can reasonably expect values to fall within the shaded area.

**APC Series Connector**

Also available in NSF listed versions, please visit our website for part number information.

- **APC Air Flow, 100 psig 50°C pressurized air**
- **APC Water Flow, 120 psi 50°C water**

**DID YOU KNOW?**

**THE SHELF LIFE OF A CONNECTOR IS DEPENDENT UPON THE CONNECTOR MATERIALS AND THE STORAGE CONDITIONS.** CPC manufactures quick disconnect couplings and connections made from a variety of metal, plastic and elastomeric raw materials. In general, it is best to store any CPC product in an environment shielded from light at a temperature between 50°F and 90°F. The shelf life of CPC couplings and connections is estimated to be 3 years minimum if the storage conditions comply with those shown above.

**Note:** For product containing lubricated o-rings, the lubricant will dry out over time. Prior to use, it may be advisable to re-lubricate external o-rings. For product containing silicone o-rings, if lube is allowable, use of a synthetic lube is recommended.

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### APC Dimensions

#### Panel Dimensions

<table>
<thead>
<tr>
<th>PANEL DIMENSIONS</th>
<th>PANEL OPENING</th>
<th>PANEL DEPTH</th>
<th>PANEL THICKNESS</th>
<th>PANEL NUT RAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; ID</td>
<td>2.25&quot; ID</td>
<td>1.5&quot;</td>
<td>0.05 - 0.06</td>
<td>1/2&quot; - 1.16&quot;</td>
</tr>
</tbody>
</table>

#### Coupling Bodies • ACETAL

- **Coupling Inserts**
  - **Ferruleless Polytube Fitting, PTF†**
  - **Ferruleless Polytube Fitting, PTF†**
  - **Polytube Fitting, Ferruleless**
  - **In-Line Hose Barb**
  - **In-Line Pipe Thread**
  - **In-Line Valve**
  - **Panel Mount**

#### Accessories

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>PART NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PANEL MOUNT GASKET REPLACEMENT</td>
<td>Buna-N</td>
<td>183000</td>
</tr>
</tbody>
</table>

- **Accessories**
  - **Buna-N**
  - **PTFE†**

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**All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.**

**TERMINATION**

- **In-Line**
  - **Ferruleless Polytube Fitting, PTF†**
  - **Polytube Fitting, Ferruleless**
  - **In-Line Hose Barb**
  - **Panel Mount**

- **Panel Mount Gasket Replacement**
  - For sealing panel mount bodies listed above

**Smart fluid handling to take you forward, faster.**

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