The F-Series bayonet connections are high efficiency cryogenic connections designed for vacuum insulated piping systems. They utilize a close tolerance fit between the length of the mating male and female connections. CryoWorks has developed a proprietary heat/cryo treat process that provides long-term dimensional stability and allows for a closer tolerance fit that provides best in class thermal performance. These bayonets incorporate a standard ASME rated back up flange and gasket to provide the most reliable pressure boundary seal.

**Bayonet Features:**
- Designed for use in all positions vertical and horizontal.
- Fast and easy installation that does not require any field welding. Allows for easy assembly and disassembly.
- MAWP: 275 PSIG (Meets ASME Class 150 flange ratings).
- Minimum Operating Temperature: -452°F (-269°C).
- Standard Material: 316/L Stainless Steel.
- All internal components leak tested to 1x10^-9 cc/sec.
- Utilize any standard ASME flange gasket to meet your system requirements (PTFE Sheet, Spiral Wound, Graphite, etc.).
- Concentric Flange Serrations.

**Benefits:**
- Standard and common flange and gasket assembly.
  - Standard Torque Values.
  - No Specific Installer Training.
  - Utilizes industry standard reliable sealing technology.
- Use of standard spiral wound gasket eliminates the risks associated with o-ring seals normally used in this application.

**Related Options:**
- Split Back Up Flanges.
- Graphite Gaskets for Flammable or Oxidizing Services.
- Oxygen Cleaning.
- Material Traceability Reports.
- Domestic or DFAR material compliance.
- Custom sizes or designs.

**Bayonet Standard Dimensions:**

<table>
<thead>
<tr>
<th>Bayonet Size</th>
<th>Part Number</th>
<th>Dim A</th>
<th>Dim B</th>
<th>Dim C</th>
</tr>
</thead>
<tbody>
<tr>
<td>½&quot; x 2&quot;</td>
<td>CA02380</td>
<td>½&quot; NPS (0.84&quot; OD)</td>
<td>2&quot; NPS (2.38&quot; OD)</td>
<td>2 ½&quot;</td>
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<td>1&quot; NPS (1.32&quot; OD)</td>
<td>3&quot; NPS (3.50&quot; OD)</td>
<td>3 ½&quot;</td>
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<tr>
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<td>2&quot; NPS (2.38&quot; OD)</td>
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<td>8&quot; NPS (8.63&quot; OD)</td>
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</tbody>
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*Bolt Kits and Gaskets sold separately to meet fluid service requirements*