BRAY/McCANNALOK
Metal Seated High Performance Butterfly Valves
The Bray/McCannalok Metal Seated Valve has been extensively performance tested in our state-of-the-art technology center and test laboratory. The Inconel® 718 metal seat has been contoured to provide control, strength and flexibility in HIGH TEMPERATURE applications. The Technology Group’s design validation procedure includes cycle, torque and leakage testing to ensure long service life.

**Features**

- **Body Style:** Wafer, Lug and Double Flanged  
  ASME Class 150 and 300: 2-1/2” – 30” (65mm - 750mm)  
  ASME Class 600: 3” – 14” (80mm - 350mm)
- **Capabilities up to 900 °F (482 °C)**
- **Wear-resistant Inconel® 718 metal seat provides industry leading low torque**
- **3rd party validated high temperature tested**
- **High strength, anti-blownout one piece stem**
- **Nitried disc for abrasion resistance**
- **Contoured disc to maximize flow**
- **Full face retaining ring protects seat in abrasive applications**
- **Easily accessible and adjustable stem packing**
- **Class IV bi-directional leakage rates through full pressure range tested in accordance to IEC 60534-4 and ANSI/FCI 70-2-2013**
- **Alternative flange drilling available**

**Applications**

- **High Temperature**
- **Abrasive**
- **Hot Oil**
- **Hot Air and Gas**
- **Saturated Steam**
- **Slurries**
- **Chemical Processing**
- **Modulation and Control**

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Bray offers a full range of electric and pneumatic actuators with accessories to meet your modulation and control needs.
Bray/McCannalok Metal Seated High Performance Butterfly Valves

Materials of Construction:
Multiple trim combinations allow flexibility to meet your actual application.

<table>
<thead>
<tr>
<th>Item</th>
<th>500 °F (260 °C)</th>
<th>750 °F (399 °C)</th>
<th>800 °F (426 °C)</th>
<th>900 °F (482 °C)</th>
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</thead>
<tbody>
<tr>
<td>Stem</td>
<td>17-4 PH Stainless Steel: ASTM A564 Type 630 Gr H1150D</td>
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<tr>
<td>Disc</td>
<td>Nitrided Stainless Steel, ASTM A351 Gr CF8M</td>
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<tr>
<td>Seat</td>
<td>Inconel® 718</td>
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<tr>
<td>Bearings</td>
<td>316 Stainless Steel with TFE and Glass Fabric Liner</td>
<td>Nitrided 316 Stainless Steel</td>
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<tr>
<td>Packing</td>
<td>PTFE/Carbon Fiber</td>
<td>Flexible Graphite rings</td>
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ASTM A352 Grade LCC Impact-Tested Carbon Steel is available for -50 °F (-46 °C) minimum rating. Inconel® is a registered trademark of Inco Alloys International, Inc.
Global Manufacturing, Service Around the Corner.

To serve you locally, each region maintains a factory certified sales and service network for all Bray International products.