334F/S Ball Valve

3-Piece Full and Standard Port
ISO 5211 Direct Mount Pad

For Automated & Manual Service

- General Chemical
- Industrial
- Corrosion Resistant Applications
The 334F/S Series Ball Valve

Designed to meet demanding flow and application requirements, the 334 series ball valve is available in a variety of seat and seal combinations, incorporating several of our innovative design features for improved process performance. The full port configuration improves flow rates, while minimizing pressure drop through the valve. The standard port configuration reduces costs where flow rates are not critical. The dual pattern ISO 5211 mount pad facilitates direct mounting of pneumatic and electric actuators. With an extensive variety of configurations, the 334 series can be optimized to meet a wide range of application requirements.

Standard Features and Benefits

- **Dual Pattern ISO 5211 Direct Mount Pad**
  No bracket or drive coupling needed for automation
  Dual pattern pad fits a wide range of actuator sizes
  Eliminates exposed moving parts for safer work environment
  Prevents side-loading and improves actuator positioning

- **High-Cycle, Live-Loaded Stem Packing**
  Energized spring stem seals self-adjust to compensate for wear and pressure/temperature changes, thereby ensuring a leak-tight seal and extending service life

- **O-Ring Stem Bearing**
  Maintains stem alignment while reducing packing side-loading and wear, and enhancing stem seal performance

- **Blow-Out-Proof Stem**
  Stem is bottom-loaded to prevent removal when valve is in service

- **3-Piece Swing-In-Place Construction**
  Swing-out construction allows for easy repair in line

- **Lockout Capability**
  Enables plant personnel to secure valve in open or closed position when manually operated

- **Heavy Duty Construction**
  Investment Cast
  High quality investment castings improve dimensional control and reduce porosity

- **Anti-Static Stem**
  Standard Seats & Seals Suitable for 150 PSI Saturated Steam
  Castings Meet NACE MR0175/ISO 15156

Options

- **End Connections Available in NPT, Socket Weld, Butt Weld, Flanged or Grooved in 316 SS or Carbon Steel**
- **High Temperature Configuration Capable of Up to 250 psi Saturated Steam**
- **CE Marking (Valves 1” or Smaller)**
- **Material Test Reports Available Upon Request**

Operating Conditions

- **Temperature Range:**
  -40°F ~ 550°F (Seat Dependent)
- **Maximum Pressure:**
  ASME 600: 1440 PSI (CF8M)
  1480 PSI (WCB)

Specifications

- All valves shell and seat tested to ANSI/ASME B16.34 and API 598
- All materials comply with applicable ASTM material specifications
- End connections:
  All to ASME B16.34
  NPT to ASME B12.1
  Socket Weld to ASME B16.11
  Butt Weld to ASME B16.25
  Flanges to ASME B16.5
Automation Systems

Direct Mount Products

334F Ordering Information
Example: 2” 3-Piece Full Port Ball Valve with ISO 5211 Direct Mount Pad, Lever Handle and Locking Device, 316 SS Body and Trim, RTFE (15% C.F.) Seats, PTFE Seals, NPT Ends

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<tbody>
<tr>
<td>Valve Series</td>
<td>Valve Size</td>
<td>Body Material</td>
<td>End Material</td>
<td>Ball Material</td>
<td>Seat</td>
<td>Seal</td>
<td>End Connection</td>
<td>Port</td>
<td>Ball Configuration</td>
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<tr>
<td>334F - Full Port</td>
<td>2</td>
<td>1/4&quot;</td>
<td>A351 Gr. CF8M (316)</td>
<td>6 - 316 SS</td>
<td>C - RTFE (15% C.F.)</td>
<td>F - 50% 316 SS Filled PTFE</td>
<td>T - NPT</td>
<td>2 - 2 Way</td>
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<td>334S - Standard Port</td>
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<td>A216 Gr. WCB (CS)</td>
<td>6 - 316 SS</td>
<td>F - 50% 316 SS Filled PTFE</td>
<td>J - Cavity Filled TFM</td>
<td>S - Socket Weld</td>
<td>4 - Butt Weld Sch. 40**</td>
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<td>M - TFM</td>
<td>Q - S Gasket TFE (PTFE Coated 316 SS)</td>
<td>B - ANSI 300# Flanged</td>
<td>5 - Butt Weld Sch. 10**</td>
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<td>A351 Gr. CF8M (316)</td>
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<td>R - RTFE (15% G.F.)</td>
<td>UHMWPE</td>
<td>C - ANSI 150# Flanged</td>
<td>6 - Ext. BW Sch. 10**</td>
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<td>S - Infill (Carbon, Carbon Fiber, Ekonol Filled Modified PTFE)</td>
<td>U - UHMWPE</td>
<td>G - Grooved</td>
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<td>2 - 316 SS</td>
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*Full Port Only
*Standard Port Only

Due to continuous product development, information may change without notice

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