Valve Products

Ball Valves
- Direct Mount
- Multi-port
- Sanitary

Valve Automation

INLINE
BALLVALVE.COM
Inline has been supplying innovative valve solutions to the process industry for nearly twenty years. Our extensive line of ball valves is widely recognized for innovative design, reliable and consistent performance and exceptional value. Inline valves are designed and tested to the industry’s highest standards, supported by knowledgeable and responsive technical sales professionals, and are usually available from stock from the large inventory we maintain for your just-in-time needs.

**Innovation**

Inline is committed to developing industry-leading process solutions. We introduced high-cycle ISO 5211 direct mount technology to the U.S. market — a design now used industry-wide. Innovations like this are a corner-stone of the Inline design philosophy. Our line of fire safe, control, multi-port and high purity ball valves carries on this tradition. Coupled with our custom engineered products, we provide system designers with more process control options than ever before.

**Reliability**

Inline designs, builds and tests valves to a wide range of national and international standards including ASME B16.34, BPE, 3A, and NACE. Our ISO 9001-2008 quality control process insures that the products we supply are tested and ready for service. Inline is a licensed 3-A Symbol holder, is certified to use the CE marking for EU markets, and carries validated CRN numbers for Canada.
**Consistent Performance**

Inline valves provide long-lasting, trouble-free service with live-loaded, high-cycle stem seals standard on a wide range of high performance valves for high purity, high pressure, high temperature, cryogenic, vacuum, and many other process applications. As a manufacturer, we can provide customers with these same high quality products year after year and, when it finally comes time to replace worn parts, we have repair kits that fit.

**Product Support**

We stand behind our products with a responsive sales and technical support team ready to assist you with product information, pricing, valve selection and automation. Detailed technical drawings and test reports are readily available for all of your system design and documentation needs. Current product information can be found on our website at [www.ballvalve.com](http://www.ballvalve.com).

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*For Detailed Product Information Please Visit [www.ballvalve.com](http://www.ballvalve.com)*

800-568-8998
109S 1-Piece Flanged Ball Valve
Standard Port
2” to 6”
ANSI Class 150/300
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: RF Flg 150/300

209F 2-Piece Flanged Ball Valve
Full Port
1/2” to 12”
ANSI Class 150/300
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: RF Flg 150/300

302F 3-Piece Ball Valve
Full Port
1/4” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40, SW, RF Flg 150/300, Grv, Comp, Tk Bottom

304F 3-Piece Ball Valve
Full Port
1/4” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M, WCB (Ends Only)
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40, SW, RF Flg 150/300, Grv, Comp, Tk Bottom

334 3-Piece Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to ANSI Class 900
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 10/40/80, SW, Compr, Tk Bottom, RF Flg 150-900

364 Diverter Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: TFM
Ends: NPT, BW Sch 10/40/80, SW, Grv, Comp, RF Flg 150-900

505F 3/4/5-Way Ball Valve
Full Port
1/4” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 10/40/80, SW, Grv

509F 3/4/5-Way Flanged Ball Valve
Full Port
1/4” to 4”
ANSI Class 150/300
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: RF Flg 150/300

109S 1-Piece Flanged Firesafe
Ball Valve
Standard Port
2” to 4”
ANSI Class 150/300
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: RF Flg 150/300

344 3-Piece Firesafe
Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to ANSI Class 900
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT, BW Sch 10/40/80, SW, Compr, Tk Bottom, RF Flg 150-900

346 3-Piece Firesafe
Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to 4000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: Delrin AF
Ends: NPT, SW, BW Sch 80, SAE, Compr, RF Flg 150-1500

347F 3-Piece Firesafe
Ball Valve
Tube Full Port
1/4” to 2”
Up to ANSI Class 900
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: Tube OD BW, Ext Tube OD BW, KF, Tk Bottom

**Special Service**

### High Temperature

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Connections</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>334/344 (Firesafe)</td>
<td>3-Piece Ball Valve</td>
<td>Full / Standard Port, 1/4” to 2-1/2”</td>
<td>A351 Gr. CF8M, A216 Gr. WCB</td>
</tr>
<tr>
<td>Seats:</td>
<td></td>
<td>NPT, BW Sch 10/40/80, SW, Grv, Compr</td>
<td></td>
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</tbody>
</table>

### High Pressure

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Connections</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>336/346 (Firesafe)</td>
<td>3-Piece Ball Valve</td>
<td>Full / Standard Port, 1/4” to 2-1/2”</td>
<td>A351 Gr. CF8M, A216 Gr. WCB</td>
</tr>
<tr>
<td>Seats:</td>
<td></td>
<td>NPT, BW Sch 10/40/80, SW, Grv, Compr</td>
<td></td>
</tr>
</tbody>
</table>

### Air Safety Exhaust Valve

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Connections</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>201F/202F</td>
<td>2-Piece Ball Valve</td>
<td>Full Port, 1/4” to 2”</td>
<td>A351 Gr. CF8M, A216 Gr. WCB</td>
</tr>
<tr>
<td>Seats:</td>
<td></td>
<td>RTFE (15% GF)</td>
<td></td>
</tr>
<tr>
<td>Ends:</td>
<td></td>
<td>NPT</td>
<td></td>
</tr>
</tbody>
</table>

### Control Valve

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Connections</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>324/344 (Firesafe)</td>
<td>3-Piece Control Valve</td>
<td>Tube Full Port, 1/2” to 2”</td>
<td>CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, RF Flg 150</td>
</tr>
<tr>
<td>Seats:</td>
<td></td>
<td>RTFE (15% GF)</td>
<td></td>
</tr>
<tr>
<td>Ends:</td>
<td></td>
<td>NPT, BW Sch 10/40/80, SW, Grv, Compr</td>
<td></td>
</tr>
</tbody>
</table>

### Custom Fabrication

- Clean-In-Place
- Double Block and Bleed
- Manifolds
- Special End Connections
- Steam-Jackets
- Stem Extensions

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Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
307F 3-Piece Ball Valve
Tube Full Port
1/2” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: PTFE
Ends: CL, Tube OD BW, Ext Tube OD BW, I-Line, Compr

317F 3-Piece Ball Valve
Tube Full Port
1/4” to 6”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: PTFE
Ends: CL, Tube OD BW, Ext Tube OD BW, I-Line, Compr, Tk Bottom, KF

327F/347F (Firesafe) 3-Piece Ball Valve
Tube Full Port
1/4” to 2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: PTFE
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, KF

337F 3-Piece Ball Valve
Tube Full Port
1/4” to 4”
Up to 1000 PSI CWP
A351 Gr. CF3M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, KF

367F 3-Piece Diverter Ball Valve
Tube Full Port
1/2” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr

377F 3-Piece Ball Valve
Tube Full Port
2”, 3”
Up to 300 PSI CWP
A351 Gr. CF8M
Seats: PTFE
Ends: CL, Tube OD BW

507F 3/4/5-Way Ball Valve
Full Port
1/2” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr

707F Sanitary Butterfly Valve
Tube Full Port
1” to 4”
Up to 150 PSI CWP
A351 Gr. CF8
Seats: Silicone, Viton, EPDM
Ends: CL, Tube OD BW, I-Line, Bevel Seat Thread

717F Sanitary Butterfly Valve
Tube Full Port
1” to 6”
Up to 150 PSI CWP
A351 Gr. CF8M
Seats: Silicone, Viton, EPDM
Ends: CL, Tube OD BW, I-Line, Bevel Seat Thread

302F 3-Piece Ball Valve
Full Port
1” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% GF)
Ends: Tk Bottom x NPT, BW Sch 5/10/40, SW, RF Fig 150/300, Grv, Compr

304F 3-Piece Ball Valve
Full Port
1” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: Tk Bottom x NPT, BW Sch 5/10/40, SW, RF Fig 150/300, Grv, Compr

317F 3-Piece Ball Valve
Tube Full Port
1” to 6”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: PTFE
Ends: Tk Bottom x CL, Tube OD BW, Ext Tube OD BW, I-Line, Compr, RF Fig 150/300, KF
Special Service Cont’d

Tank Bottom Cont’d

327F/347F (Firesafe) 3-Piece Ball Valve
Tube Full Port
1” to 2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: Tk Bottom x CL,
Tube OD BW,
Ext Tube OD BW, Compr,
RF Flg 150-900, KF

334/344 (Firesafe) 3-Piece Ball Valve
Full / Standard Port
1”, 1-1/2”, 2”
Up to ANSI Class 900
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: Tk Bottom x NPT,
BW Sch 5/10/40, SW, Grv,
Compr, RF Flg 150-900

337F 3-Piece Ball Valve
Tube Full Port
1” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFM
Ends: Tk Bottom x CL,
Tube OD BW,
Ext Tube OD BW, I-Line,
Compr, NPT,
RF Flg 150/300, KF

Diverter & Multiport

364 3-Piece Diverter Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to Class 900
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 10/40/80,
SW, RF Flg 150-900, Grv,
Compr

367F 3-Piece Diverter Ball Valve
Tube Full Port
1/2” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFM
Ends: CL, Tube OD BW,
Ext Tube OD BW, Compr,
I-Line

502S Diverter Ball Valve
Standard Port
1/2” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% GF)
Ends: NPT

503 3-Way Ball Valve
Full / Standard Port
1/4” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT

505F 3/4/5-Way Ball Valve
Full Port
1/4” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 10/40,
SW, Grv

507F 3/4/5-Way Ball Valve
Full Port
1/2” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFM
Ends: CL, Tube OD BW,
Ext Tube OD BW, Compr

509F 3/4/5-Way Flanged Ball Valve
Full Port
1/2” to 6”
Up to ANSI Class 300
A351 Gr. CF8M (316)
Seats: RTFE (15% CF)
Ends: RF Flg 150/300

514 3-Way Ball Valve
Full / Standard Port
1/4” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT

Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
101R 1-Piece Ball Valve
Reduced Port
1/4” to 2”
800 PSI CWP
A351 Gr. CF8M (316)
Seats: PTFE
Ends: NPT

102R 1-Piece Ball Valve
Reduced Port
1/4” to 2”
2000 PSI CWP
A351 Gr. CF8M (316)
Seats: RTFE (15% GF)
Ends: NPT

103R 1-Piece Ball Valve
Reduced Port
1/4” to 2”
2000 PSI CWP
S25C - CS
Seats: RTFE (15% GF)
Ends: NPT

104R 1-Piece Ball Valve
Reduced Port
1/4” x 1/4” to 1/2” x 1/2”
800 PSI CWP
A351 Gr. CF8M
Seats: PTFE
Ends: FNPT x MNPT

201F 2-Piece Ball Valve
Full Port
1/4” to 3”
Up to 2000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: NPT

201S 2-Piece Ball Valve
Standard Port
1/4” to 2”
Up to 2000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% GF)
Ends: NPT

202F 2-Piece Ball Valve
Full Port
1/4” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% GF)
Ends: NPT

302F 3-Piece Ball Valve
Full Port
1/4” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% GF)
Ends: NPT, BW Sch 5/10/40, SW, RF Flg 150/300, Grv, Compr, Tk Bottom

904 / 906 Y-Strainer / Swing Check Valve
1/2” to 2”
600 PSI CWP (904)
200 PSI CWP (906)
A351 Gr. CF8
Ends: NPT

905 / 907 Gate Valve / Globe Valve
1/2” to 2”
200 PSI CWP
A351 Gr. CF8M
Ends: NPT

Available Seat Materials
- 15% Carbon Filled PTFE
- Delrin® AF (PTFE Filled Acetal Homopolymer)
- 50% 316SS Filled PTFE
- TFM (Modified PTFE)
- PTFE and Carbon Filled PEEK
- Vespel®
- 15% Glass Filled PTFE
- Infill (Proprietary Filled PTFE)
- PTFE
- UHMWPE
- PCTFE
- Metal

Seat Options
- Cavity Fillers
- 1-Piece Seat/Seal
- Control Seats
204F
2-Piece Ball Valve
Full Port
1/4” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT

304F
3-Piece Ball Valve
Full Port
1/4” to 4”
Up to 1000 PSI CWP
A351 Gr. CF8M, WCB (Ends Only)
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40, SW, RF Flg 150-300, Grv, Compr, Tk Bottom

327/347F (Firesafe)
3-Piece Ball Valve
Tube Full Port
1/2” to 2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, I-Line, Tk Bottom, Compr, KF

334/344 (Firesafe)
3-Piece Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to Class 900
A351 Gr. CF8M, A216 Gr. WCB
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 10/40/80, SW, Compr, Tk Bottom, Grv, RF Flg 150-900

337F
3-Piece Ball Valve
Tube Full Port
1/4” to 4”
Up to 1000 PSI CWP
A351 Gr. CF3M
Seats: RTFE (15% CF)
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, KF

367F
3-Piece Diverter Ball Valve
Tube Full Port
1/2” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: RTFE (15% CF)
Ends: NPT, BW Sch 10/40/80, SW, Grv, Compr, RF Flg 150-900

384
3-Piece High Alloy Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Class 900
Alloy-C, Alloy 20, 254 SMO
Seats: TFM
Ends: NPT, SW

514
3-Way Ball Valve
Full / Standard Port
1/4” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M (316)
Seats: RTFE (15% CF)
Ends: NPT

Spring Return & Oval Handle
Gear Operator
Limit Switch

Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
**Automation and Control**

**Pneumatic**

- Design: 2- and 4-Piston Rack & Pinion, Sanitary (Butterfly Valve)
- Type: Double Acting and Spring Return
- Torque Range: Outputs to over 36,000 in/lbs
- Mounting: ISO 5211 and NAMUR
- Construction: Hard Anodized Aluminum, Stainless Steel
- Options/Accessories: Epoxy Coating, Nickel Plating, Stem Extensions, Mounting Kits, Limit Switches, Proximity Switches, Visual Indicators, Solenoid Valves, Positioners, Fusible Links

**Electric**

- Torque Range: Outputs to 5,735 in/lbs
- Voltage: 12V AC/DC, 24V AC/DC, 110V AC, 220V AC, 1- or 3-Phase
- Duty Cycle: 25%, 75%, and 100%
- Modulating Signals:
  - Input: 4-20mA, 1-5V, 2-10V
  - Output: 4-20mA, 2-10V
- Enclosure: NEMA 4/4X, 7
- Options/Accessories: Stem Extensions, Mounting Kits, Heaters, Modulating Control Boards, Additional Switches, Thermostats, Spring Return

**Modulation and Control**

- Type: Pneumatic, Electro Pneumatic, Digital
- Modulating Signals:
  - Electric Input: 4-20mA, 1-5V, 2-10V
  - Pneumatic Input: 3-15 psi Instrument Air
  - Electric Output: 4-20mA, 2-10V
- Options/Accessories: Stem Extensions, Mounting Kits, Heaters, Thermostats,

Inline stocks an extensive inventory of valves, actuators, and accessories.

For product information and pricing
Email: info@ballvalve.com
Phone: 800-568-8998
Quality and Reliability - Every Time