Valve Products

Ball Valves
- Direct Mount
- Multi-port
- Sanitary

Sanitary Butterfly Valves

Valve Automation

INLINE
BALLVALVE.COM
Inline has been supplying innovative valve solutions to the process industry for over twenty-five years. Our extensive line of ball valves is widely recognized for innovative design, reliable 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 firesafe, 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, 3-A, NSF/ANSI 61 & 372, and NACE. Our ISO 9001:2015 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, vacuum, and many other process applications. As a manufacturer, we 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.

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**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)

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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: TFM / 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: TFM / 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: TFM / RTFE (15% GF)
Ends: NPT, BW Sch 5/10/40/80, SW, RF Flg 150/300, Grv, Compr, 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: TFM / RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40, SW, RF Flg 150/300, Grv, Compr, 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: TFM / RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40/80, SW, Compr, Tk Bottom, Grv, 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 5/10/40/80, SW, Grv, Compr, 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: TFM / RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40, SW, Grv

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

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

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 5/10/40/80, SW, Compr, Tk Bottom, Grv, RF Flg 150-900

344T  
3-Piece Firesafe Ball Valve
Tube Full Port
1/4” to 2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, KF, Tk Bottom

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

Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
Special Service

Air Safety Exhaust Valve

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

204F - ASEV
2-Piece Ball Valve
Full Port
1/4" to 2"
150 PSI CWP
A351 Gr. CF8M
Seats: TFM / RTFE (15% CF)
Ends: NPT

302F - ASEV
3-Piece Ball Valve
Full Port
1/4" to 2"
150 PSI CWP
A351 Gr. CF8M, WCB (Ends Only)
Seats: TFM / Infill
Ends: NPT, BW Sch 5/10/40, SW, Grv, Compr,
RF Flg 150/300

304F - ASEV
3-Piece Ball Valve
Full Port
1/4" to 2"
150 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM / RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40, SW, Grv, Compr,
RF Flg 150

Control Valve

324/342 (Firesafe)
3-Piece V-Seat Control Valve
Full / Standard Port
1/4" to 2-1/2"
1440 PSI CWP (500 PSI Max △P)
A351 Gr. CF8M, A216 Gr. WCB
Seats: Infill x 30°, 60°, 1/8" Slotted
Ends: NPT, BW Sch 5/10/40/80,
SW, Grv, Compr,
RF Flg 150/300

304F - ASEV
3-Piece V-Ball Control Valve
Full Port
1/2" to 4"
Up to 1000 PSI CWP
A351 Gr. CF8M, WCB (Ends Only)
Seats: TFM / Infill
Ends: NPT, BW Sch 5/10/40,
SW, RF Flg 150/300

209F
2-Piece V-Ball Control Valve
Full Port
1/2" to 4"
ANSI Class 150/300
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM / Infill
Ends: RF Flg 150/300

317F/337F
3-Piece V-Ball Control Valve
Tube Full Port
1/2" to 4"
Up to 1000 PSI CWP
A351 Gr. CF8M, CF3M
Seats: TFM
Ends: CL, Tube OD BW,
Ext Tube OD BW,
Compr, KF

High Temperature

334/344 (Firesafe)
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: Infill
Ends: NPT, BW Sch 5/10/40/80,
SW, Grv, Compr

336/346 (Firesafe)
3-Piece Ball Valve
Full / Standard Port
1/4" to 2-1/2"
Up to 4000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: PEEK
Ends: NPT, BW Sch 5/10/40/80,
SW, Grv, Compr

Custom Fabrication

- Clean-In-Place
- Double Block and Bleed
- Manifolds
- Special End Connections
- Steam-Jackets
- Stem Extensions
**Special Service Cont’d**

### Tube Compression/Instrumentation

**302C**  
3-Piece Ball Valve  
Full Port  
1/4" to 1"  
Up to 1000 PSI CWP  
A351 Gr. CF8M  
Seats: TFM / RTFE (15% GF)  
Ends: Compression

**304C**  
3-Piece Ball Valve  
Full Port  
1/4" to 1"  
Up to 1000 PSI CWP  
A351 Gr. CF8M  
Seats: TFM / RTFE (15% CF)  
Ends: Compression

**317C**  
3-Piece Ball Valve  
Tube Full Port  
1/4" to 1"  
Up to 1000 PSI CWP  
A351 Gr. CF8M  
Seats: PTFE  
Ends: Compression

**334C/344C (Firesafe)**  
3-Piece Ball Valve  
Standard Port  
1/4" to 1"  
Up to ANSI Class 900  
A351 Gr. CF8M  
Seats: TFM / RTFE (15% CF)  
Ends: Compression

**336C/346C (Firesafe)**  
3-Piece Ball Valve  
Standard Port  
1/4" to 1"  
Up to 4000 PSI CWP  
A351 Gr. CF8M  
Seats: Delrin AF  
Ends: Compression

**337C**  
3-Piece Ball Valve  
Tube Full Port  
1/4" to 1"  
Up to 1000 PSI CWP  
A351 Gr. CF3M  
Seats: TFM  
Ends: Compression

**364C**  
Multi-Port Ball Valve  
Standard Port  
1/4" to 1"  
Up to ANSI Class 900  
A351 Gr. CF8M  
Seats: TFM  
Ends: Compression

**507C**  
Multi-Port Ball Valve  
Full Port  
1/4" to 1"  
Up to 1000 PSI CWP  
A351 Gr. CF8M  
Seats: TFM  
Ends: Compression

### High Alloy

**384**  
3-Piece High Alloy Ball Valve  
Full Port / Standard Port  
1/4" to 2-1/2"  
Up to 2000 PSI CWP  
Alloy-C (CW12MW), Alloy 20,  
254 SMO  
Seats: TFM  
Ends: NPT, SW

**104R**  
1-Piece Ball Valve  
Reduced Port  
1/4"x1/4" to 1/2"x1/2"  
800 PSI CWP  
A351 Gr. CF8M  
Seats: PTFE  
Ends: FNPT x MNPT

**289F**  
2-Piece High Alloy Ball Valve  
Full Port  
1/2" to 12"  
ANSI Class 150/300  
Alloy-C (CW12MW), Alloy 20,  
254 SMO  
Seats: TFM  
Ends: RF Flg 150/300  
(Minimum Quantities Apply)

**908**  
Needle Valve  
1/4" to 1"  
Up to 6000 PSI CWP  
316SS, Carbon Steel  
Ends: NPT

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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

334T/344T (Firesafe)
3-Piece Ball Valve
Tube Full Port
1/4” to 4”
Up to 3600 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, KF

337F
3-Piece Lateral Ball Valve
Tube Full Port
1” to 6”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: Tube OD BW, KF, Ext Tube OD BW, I-Line, Compr, RF Flg 150/300

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

337F
3-Piece Lateral Ball Valve
Tube Full Port
1” to 6”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: Tube OD BW, KF, Ext Tube OD BW, I-Line, Compr, RF Flg 150/300

387F
3-Piece Ball Valve
Tube Full Port
1/4” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, KF

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
Seats: TFM, RTFE (15% CF)
Ends: Tk Bottom x NPT, BW Sch 5/10/40, SW, RF Flg 150/300, Grv, Compr

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

Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
Tank Bottom Cont’d

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, KF,
Ext Tube OD BW, I-Line,
Compr, RF Flg 150/300

334T/344T (Firesafe)
3-Piece Ball Valve
Tube Full Port
1” to 2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: TFM / 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: TFM / RTFE (15% CF)
Ends: Tk Bottom x NPT,
BW Sch 5/10/40, SW, Grv,
Compr, RF Flg 150/300, KF

364
3-Piece Diverter Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to Class 900
A351 Gr. CF8M
Seats: TFM / RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40/80,
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. CF3M
Seats: TFM
Ends: CL, Tube OD BW,
Ext Tube OD BW, I-Line,
Compr, RF Flg 150/300, KF

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” to 4”
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: TFM / RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40,
Sw, Grv

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

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

514
3-Way Ball Valve
Full / Standard Port
1” to 2”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM / 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: TFM / 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
3-Piece Ball Valve
Full Port
1/4” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM / RTFE (15% GF)
Ends: SW, RF Flg 150/300,
SW, RF Flg 150/300,
Grv, Compr, Tk Bottom

202F
3-Piece Ball Valve
Full Port
1/4” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM / RTFE (15% GF)
Ends: NPT, BW Sch 5/10/40,
Grv, Compr, Tk Bottom

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

Seat Options
- Cavity Fillers
- 1-Piece Seat/Seal
- Control Seats
- Spring Loaded

Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
204F 2-Piece Ball Valve
Full Port
1/4” to 3”
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM / 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: TFM, BW Sch 5/10/40, SW, RF Flg 150/300, Grv, Compr, Tk Bottom

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: TFM, BW Sch 5/10/40/80, 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: TFM
Ends: CL, Tube OD BW, Ext Tube OD BW, Compr, Tk Bottom, KF

364 Diverter Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to Class 900
A351 Gr. CF8M
Seats: TFM, RTFE (15% CF)
Ends: NPT, BW Sch 5/10/40/80, SW, Grv, Compr, RF Flg 150-900

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

384 3-Piece High Alloy Ball Valve
Full / Standard Port
1/4” to 2-1/2”
Up to ANSI Class 900
A351 Gr. CF8M
Seats: TFM
Ends: NPT, SW

Manual Actuation & Accessories

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

Spring Return & Oval Handle
Gear Operator
Valve Position Indicator

Standard Seat Configuration Shown. Additional Seat Materials and End Connections Available
Inline stocks an extensive inventory of valves, actuators, and accessories for immediate delivery.

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

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