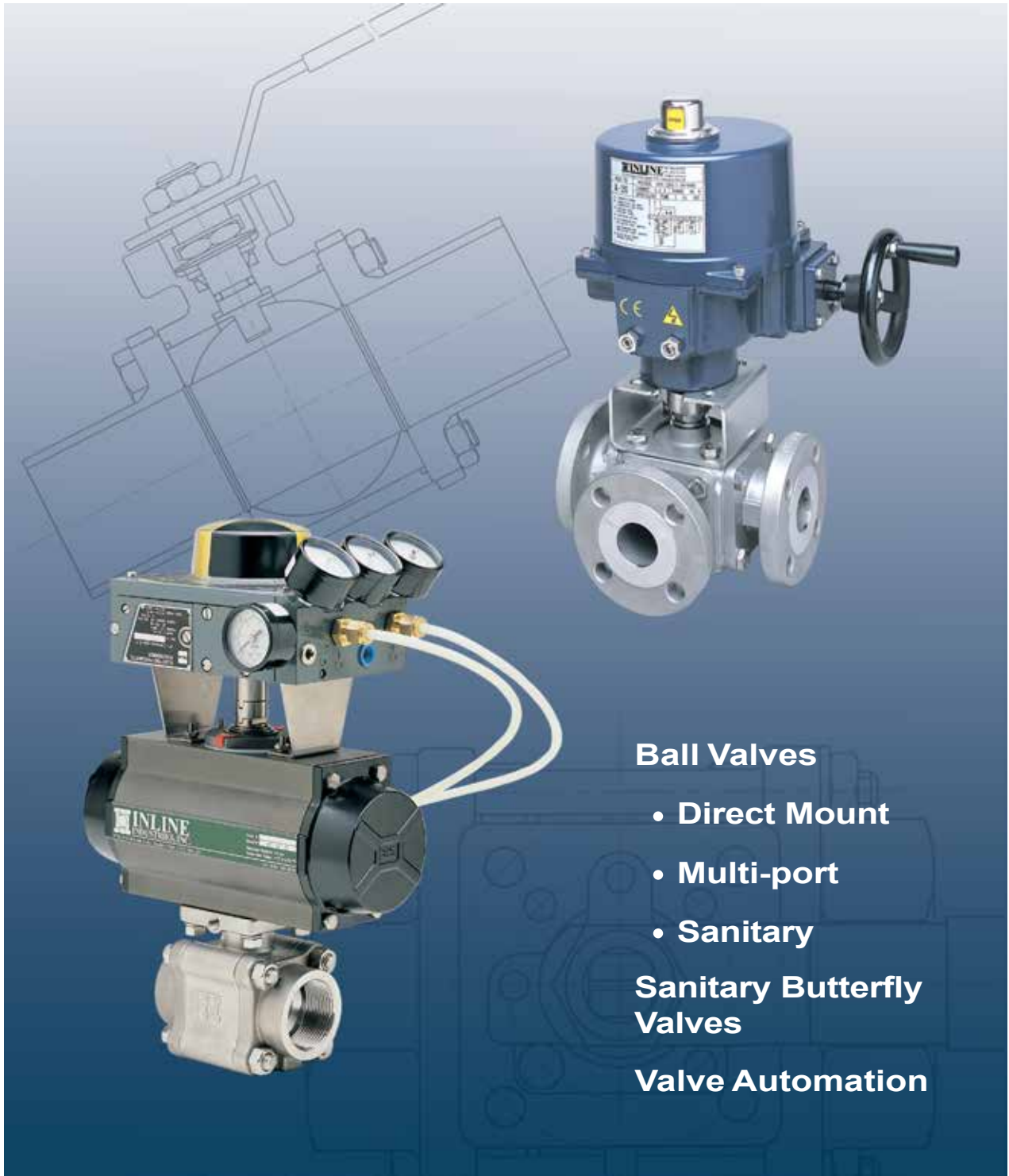


Valve Products



Ball Valves

- Direct Mount
- Multi-port
- Sanitary

Sanitary Butterfly Valves

Valve Automation



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,

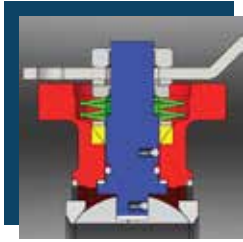


NSF/ANSI/CAN 61 & 372, and NACE. Our ISO 9001 quality control process insures that the products we supply are tested and ready for service. Inline

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.



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.

Certifications

ISO 9001

BPE



NSF/ANSI/CAN 61 & 372

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*For Detailed Product Information
Please Visit
www.ballvalve.com*

800-568-8998

Industrial



109S
1-Piece Flanged Ball Valve

Standard Port
2" to 6"
Up to ASME Class 150
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: RF Flg 150



209F
2-Piece Flanged Ball Valve

Full Port
1/2" to 12"
Up to ASME Class 150/300
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
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
Ends: NPT, BW Sch 5/10/40,
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
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 ASME Class 600
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT, BW Sch 5/10/40/80,
SW, Compr, Tk Bottom,
Grv, RF Flg 150-600



364
Diverter Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to ASME Class 900
A351 Gr. CF8M
Seats: TFM
Ends: NPT, BW Sch 5/10/40/80,
SW, Grv, Compr,
RF Flg 150-600



505F
3/4/5-Way Ball Valve

Full Port
1/4" to 4"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: NPT, BW Sch 5/10/40,
SW, Grv



509F
3/4/5-Way Flanged Ball Valve

Full Port
1/2" to 6"
Up to ASME Class 150/300
A351 Gr. CF8M
Seats: TFM
Ends: RF Flg 150/300

Firesafe



109S
1-Piece Flanged Firesafe Ball Valve

Standard Port
2" to 4"
Up to ASME Class 150
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: RF Flg 150



344
3-Piece Firesafe Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to ASME Class 600
A351 Gr CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT, BW Sch 5/10/40/80,
SW, Compr, Tk Bottom,
Grv, RF Flg 150-600



344T
3-Piece Firesafe Ball Valve

Tube Full Port
1/4" to 2"
Up to ASME Class 600
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW,
Ext Tube OD BW, KF,
Tk Bottom



346/346T
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

Special Service

Air Safety Exhaust Valve



202F - ASEV
2-Piece Ball Valve

Full Port
1/4" to 2"
Up to 150 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT



204F - ASEV
2-Piece Ball Valve

Full Port
1/4" to 2"
Up to 150 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: NPT



302F - ASEV
3-Piece Ball Valve

Full Port
1/4" to 2"
Up to 150 PSI CWP
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT, BW Sch 5/10/40,
SW, Grv, Compr,
RF Flg 150



304F - ASEV
3-Piece Ball Valve

Full Port
1/4" to 2"
Up to 150 PSI CWP
A351 Gr. CF8M, WCB (Ends only)
Seats: TFM
Ends: NPT, BW Sch 5/10/40,
SW, Grv, Compr,
RF Flg 150

Control Valve



209F
2-Piece V-Ball Control Valve

Full Port
1/2" to 4"
Up to ASME Class 150/300
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: RF Flg 150/300



304F
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



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



334
3-Piece V-Ball Control Valve

Full / Standard Port
1/4" to 2-1/2"
Up to ASME Class 600
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT, BW Sch 5/10/40,
SW, RF Flg 150/300

High Temperature



334/344 (Firesafe)
3-Piece Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to ASME 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,
RF Flg 150-1500

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
Ends: Compression



304C
3-Piece Ball Valve

Full Port
1/4" to 1"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
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 ASME Class 600
A351 Gr. CF8M
Seats: TFM
Ends: Compression



336C/346C (Firesafe)
3-Piece Ball Valve

Standard Port
1/4" to 1"
Up to 3000 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/366C
Multi-Port Ball Valve

Standard Port
1/4" to 1"
Up to ASME 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



104R
1-Piece Ball Valve

Reduced Port
1/4" x 1/4" to 1/2" x 1/2"
Up to 800 PSI CWP
A351 Gr. CF8M
Seats: PTFE
Ends: FNPT x MNPT



908
Needle Valve

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



289F
2-Piece High Alloy Ball Valve

Full Port
1/2" to 12"
Up to ASME Class 150/300
Alloy-C (CW12MW), Alloy 20,
254 SMO
Seats: TFM
Ends: RF Flg 150/300
(Special order only. Minimum
quantities may apply.)



384
3-Piece High Alloy Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to 2000 PSI CWP (Alloy-C)
Up to 1000 PSI CWP (Alloy 20)
Alloy-C (CW12MW), Alloy 20
Seats: TFM
Ends: NPT, SW

Special Service Cont'd

Biopharmaceutical / High Purity / Sanitary



307F 3-Piece Ball Valve

Tube 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, I-Line
Compr



317F 3-Piece Ball Valve

Tube Full Port
1/4" to 6"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
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 2"
Up to ASME Class 900
A351 Gr. CF8M
Seats: TFM
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



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 4"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW,
Ext Tube OD BW, Compr,
I-Line



387F 3-Piece Ball Valve

Tube Full Port
1/4" to 4"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW,
Ext Tube OD BW, I-Line,
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

Tank Bottom



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: TFM
Ends: Tk Bottom x NPT,
BW Sch 5/10/40, SW,
RF Flg 150/300, Grv



304F 3-Piece Ball Valve

Full Port
1" to 4"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: Tk Bottom x NPT,
BW Sch 5/10/40, SW,
RF Flg 150/300, Grv

Special Service Cont'd

Tank Bottom Cont'd



317F
3-Piece Ball Valve

Tube Full Port
1" to 6"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: Tk Bottom x CL,
Tube OD BW, KF
Ext Tube OD BW, I-Line,
NPT, RF Flg 150/300



334T/344T (Firesafe)
3-Piece Ball Valve

Tube Full Port
1" to 2"
Up to ASME Class 600
A351 Gr. CF8M
Seats: TFM
Ends: Tk Bottom x CL,
Tube OD BW,
Ext Tube OD BW,
RF Flg 150-600, KF



334/344 (Firesafe)
3-Piece Ball Valve

Tube Full Port
1", 1/2", 2"
Up to ASME Class 600
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: Tk Bottom x NPT,
BW Sch 5/10/40, SW Grv.
RF Flg 150-600



337F/387F
3-Piece Ball Valve

Tube Full Port
1" to 4"
Up to 1000 PSI CWP
A351 Gr. CF3M
Seats: TFM
Ends: Tk Bottom x CL,
Tube OD BW,
Ext Tube OD BW, I-Line,
NPT, RF Flg 150/300, KF

Diverter & Multiport



364/366
3-Piece Diverter Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to Class 900
A351 Gr. CF8M
Seats: TFM
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. CF8M
Seats: TFM
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



503/504
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: TFM
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"
Up to ANSI Class 150/300
A351 Gr. CF8M
Seats: TFM
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: TFM
Ends: NPT

General Service



101R
1-Piece Ball Valve

Reduced Port
1/4" to 2"
Up to 800 PSI CWP
A351 Gr. CF8M (316)
Seats: PTFE
Ends: NPT



102R
1-Piece Ball Valve

Reduced Port
1/4" to 2"
Up to 800 PSI CWP
A351 Gr. CF8M (316)
Seats: TFM
Ends: NPT



103R
1-Piece Ball Valve

Reduced Port
1/4" to 2"
Up to 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"
Up to 800 PSI CWP
A351 Gr. CF8M (316)
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
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: TFM
Ends: NPT



204F
2-Piece Ball Valve

Full Port
1/4" to 3"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: NPT



904/906
Y-Strainer / Swing Check Valve

1/2" to 2"
Up to 600 PSI CWP (904)
Up to 200 PSI CWP (906)
A351 Gr. CF8
Ends: NPT



905/907
Gate Valve / Globe Valve

1/2" to 2"
Up to 200 PSI CWP
A351 Gr. CF8M
Ends: NPT

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

Direct Mount Actuation



204F
2-Piece Ball Valve

Full Port
1/4" to 3"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
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
Ends: NPT, BW Sch 5/10/40,
SW, RF Fig 150/300, Grv,
Compr, Tk Bottom



334/344 (Firesafe)
3-Piece Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to ASME Class 600
A351 Gr. CF8M, A216 Gr. WCB
Seats: TFM
Ends: NPT, BW Sch 5/10/40/80,
SW, Compr, Tk Bottom,
Grv, RF Fig 150-600



334T/344T (Firesafe)
3-Piece Ball Valve

Tube Full Port
1/4" to 2"
Up to ASME Class 600
A351 Gr. CF8M
Seats: TFM
Ends: CL, Tube OD BW, Ext Tube
OD BW, I-Line, Tk Bottom
Compr, KF



337F/387F
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 ASME Class 600
A351 Gr. CF8M
Seats: TFM
Ends: NPT, BW Sch 5/10/40/80,
SW, Grv, Compr,
RF Fig 150-600



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,
I-Line



384
3-Piece High Alloy Ball Valve

Full / Standard Port
1/4" to 2-1/2"
Up to Class 900
Alloy-C (CW12MW)
Seats: TFM
Ends: NPT, SW

Manual Actuation & Accessories



514
3-Way Ball Valve

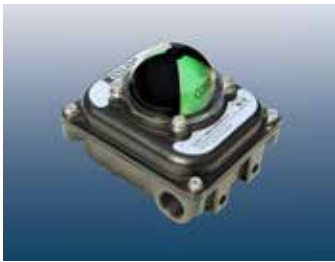
Full / Standard Port
1/4" to 2"
Up to 1000 PSI CWP
A351 Gr. CF8M
Seats: TFM
Ends: NPT



Spring Return & Oval Handle



Gear Operator



Valve Position Indicator

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 : 30%, 75%, and 100%
- Modulating Signals : Input - 4-20mA Output - 4-20mA
 1-5V 2-10V
 2-10V
- Enclosure : NEMA 4/4X, 7
- Options/Accessories : Stem Extensions, Mounting Kits, Modulating Control Boards, Additional Switches, Heaters, Thermostats, Spring Return

Modulation and Control



- Type : Pneumatic, Electro Pneumatic, Digital
- Modulating Signals : Electric Input - 4-20mA Pneumatic Input -
 1-5V 3-15 psi Instrument Air
 2-10V

 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 immediate delivery.

For product information and pricing

Email: info@ballvalve.com

Phone: 800-568-8998

DIRECT MOUNT



MULTI-PORT



SANITARY

Quality and Reliability - Every Time



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