



BALL VALVES

FROM SIMPLE TO COMPLEX DESIGNS

- Sanitary Valves
- Cryogenic Valves
- Automated Valves
- Fusible Link Valves
- Cavity Filled Valves
- V-Port Control Valves
- Dribble Control Valves
- Instrumentation Valves
- Steam Jacketed Valves
- Flush Bottom Tank Valves
- Severe Service Metal Seats
- 3 And 4 Way Multi-Port Valves
- Pipeline Trunnion Type Valves
- 2"-42" ANSI Class 150 Thru 2500
- Custom Designed Ball Valves
- Electric, Pneumatic Actuators & Controls



A Guide To Manual And Automated Ball Valves

Flo-Tite Offers A Complete Line Of High Quality Engineered Ball Valves For Your Most Demanding Applications

Floating Flanged End Ball Valves

Full-Flo Series Full Bore

Uni-Flo Series Standard Bore

Flo-Tite offers a complete range of Flanged End Ball Valves in both Floating and Trunnion Type Designs. Available in both carbon, stainless steel, and many other special materials.

Design Features

- ISO Type Mounting Pad
- Safety Locking Handle
- Anti-Static Grounding Device
- ANSI Class, 150, 300, 600
- Special Metal Seats Meeting Class V & VI
- Cavity Fillers Size 1/2 Thru 12 inch
- Complete Size Range 1/2 Thru 12 inch
- V-Ball Control Valves
- Fire Safe-API 607 And NACE Requirements



Model F150 Full Port
Tech Bulletin page 60, 61, 62, 63



Model SF150 Reduced Port

Trunnion Type Ball Valves

Flo-Tite TM Series

Designed and Fabricated for Pipeline Applications
Offering both forged 3pc and cast 1 & 2 pc body design

Design Features

- Full Compliance with API-6D
- ISO 9001, CE & NACE
- Grease Sealant Fitting Standard
- Fully Welded Bodies
- Size range 1" - 42"
- ANSI Class 150, 300, 600, 900, 1500, 2500
- High Temperature Metal Seated
- Fire Safe-API 607
- NACE Requirements
- Double Block & Bleed
- Piggable Service
- Control Ball Valve & Half Ball



Tech Bulletin page 80, 81, 82, 83

3PC Ball Valves

Tri-Star Series

- Flo-Tite Economical 3PC Valve
- Available with NPT or Socket Weld Ends
- 1500 WOG
- RPTFE Seals
- Cap Screw Bolting
- ISO 5211 Mounting
- Safety Locking Handle
- CE Compliance



Model 510
Tech Bulletin page 43, 44

DM300-SS Series

- Direct Mount Series
- Economical Compact Design
- 1000 WOG
- 316SS, RPTFE seats & Seals, low torque design
- ISO 5211 Direct Mount



Multi-Choice Series

This series is our most versatile design. Series 200/300 ball valves are offered in Threaded, Socket Weld, Butt Weld, Flanged End, and extended Weld Ends. The Valve center body is drilled and tapped for cap bolting to assure exact alignment.

Design Features

- 1500 WOG/150 WSP
- Live Loaded Stem
- V-Ring Stem Packing
- Anti-Static Grounding Device
- Size Range 1/4 Thru 12 inch
- I-SO-Mount Automation Pad
- Safety Locking Handle
- Wide Range of Seating Materials
- V-Ball Control Valves
- Cavity Fillers
- Carbon, Stainless Steel And Many Other Special Materials
- Secondary Media Containment
- Flush Bottom Tank



Model 320
Tech Bulletin page 45, 46, 47, 48

Tri-Pro Series

High pressure 3 Piece Series built for demanding applications such as petrochemical, power, oil and gas, pulp and paper, and many other industrial process applications.

Both Full & Reduced Port Models

Design Features

- 1/4" thru 4" 2250 PSI
- 1/4" thru 1" 3000 PSI (Reduce Bore)
- Fire safe designed to API 607-4
- ANSI B16.34
- Protected Seat design
- Captive Seats & Body Seals
- Weld-in Place Socket & Butt Weld
- Flanged End Class 150, 300, 600 & 900
- Metal Seats - both Class V & VI



HPF52



HPF46



HPF51

Tech Bulletin page 51AA

Multi-Port 3 & 4 Way Ball Valves

Multi-Port Series

Flo-Tite offers a wide selection of multi-port ball valves designed to simplify piping systems, eliminating the need for 2 or more standard valves. The Valve has either an one or 2 pc ball/stem with a trunnion type Ball Support, T, L, or LL Flow Plans. I-SO-Mount Actuator mounting pad is standard.



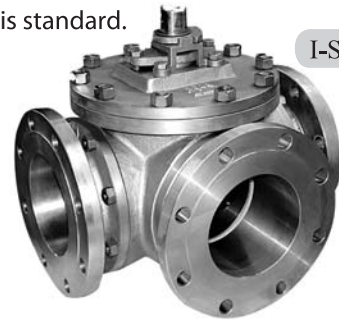
Model

MPF15
MPF30
MPT30
MPC15
MPF154

Size Range
3/4 thru 12"

Type

150 LB. Flanged End
300 LB. Flanged End
Threaded End
Tri-Clamp Ends
4-Way



I-SO Mount

Model MPF 15

Tech Bulletin page 90, 91, 92, 93

MPT-100 Series

- Stainless Steel
- 3 way diverting or mixing
- Standard port design
- Threaded ends / Tri-Clamp
- Working pressure 1000 WOG
- Optional Brass T + L Ports model # 355/365



3 & 4 Way



Model MPT 100

Tech Bulletin page 100, 101

Tri-Pro Bottom Flow Series

- 3-Way Diverter Design
- 1500 WOG Fire Safe Type
- Threaded / SW / BW / Flanged



Model 3W-HPF

Tech Bulletin page 98, 99

Ball Porting



Multiple
Flow Plans

Bottom Entry Series

- 3-Way Diverter Design
- Ideal Replacement for Plug Valves
- Class 150, Size 2", 3", 4", 6"



Model MPF155

Tech Bulletin page 96, 97

Many Different Flow Patterns Are Available

Unique Design Ball Valves

Cryogenic Design Ball Valves



- Flo-Tite offers a complete line of cryogenic ball valves.
- Available cryo bonnet tall stems
- Reaching temp. down to -400°F
- One-PC, high strength stems
- Flanged end 150/300/600
- NPT / SW / BW / 3PC Ball Valves

CRYO-SERIES



Tech Bulletin page 138, 139

Flush Bottom Tank Valves

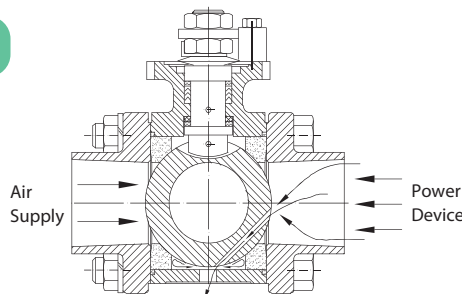
Valve tankpad is welded flush to the tank bottom for unrestricted drainage of tank media. Available with threaded, SW / BW / flanged end 150/300



Model TK300
Tech Bulletin page 142, 143

Safety Exhaust 3PC Valve

Offers downstream air pressure "blow-down" design valve with complete service-ability without disturbing the piping system.



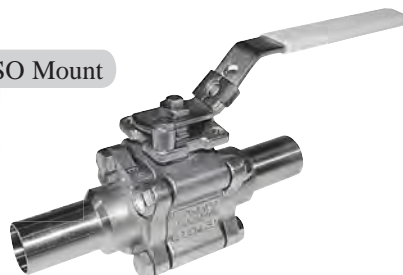
Spring Return Deadman Handle



Model 350

Tech Bulletin page 55, 56

I-SO Mount



Model 370

Multi Choice Sanitary Designs

3PC sanitary ball valves with true tube bore clean-in-place, purge ports. 20-25 RA standard. Electropolish, solution clean & bagged, optional. All wetted parts SS316L. Cavity fillers available. In-Line orbital welding.

Threaded End Connections

Fusion Series

- The Fusion series seal-welded high pressure valves incorporate safety through the full penetration. All welded body assures that the 2pc body can never be separated.
- Anti-Static, fire safe, API 608, Steam seals, Locking Handle.



- Model T23 2pc Body
- Model S23 1pc Body
- 2000PSI / 1500PSI
- 250 SWP
- Size 1/4"-4"

Tech Bulletin page 23A/B

Flo Tron - II Series

- Rugged construction - Cast body
This heavy duty valve is built for hydraulic and petrochemical applications.
- S3000 - 3000 WOG / S6000 - 6000 WOG
- Fire Safe Designed to API 607-4

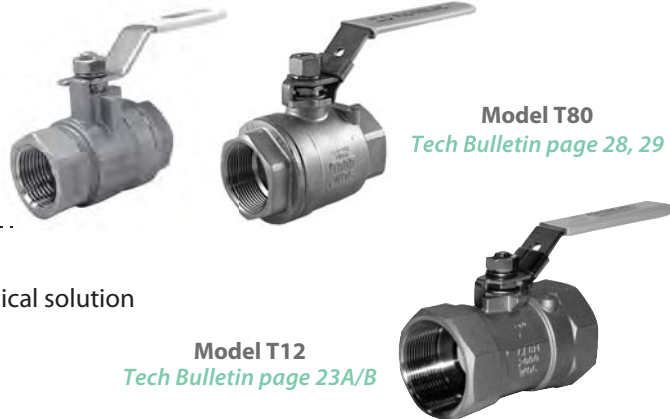


Model S6000

Tech Bulletin page 16/17

Econoflo-Series

- T80 ball valves offer an economical solution for low cost full port stainless steel 316SS
- 1000 WOG Size 1/4" -3"
-
- T12SS/T12CS
- Double reduced bore fire safe certified economical solution
- For higher pressure application
- 316SS and Carbon Steel
- 1-pc body design



Model T80

Tech Bulletin page 28, 29

Model T12

Tech Bulletin page 23A/B

Forged Brass - Threaded & Solder Ends

- T51BZ ball valves are ideal utility valve, for low pressure applications.
- Size 1/4"-4"
- 600 WOG - 150 WSP
- FM / UL / SR Certifi cates



Model T51BZ

Tech Bulletin page 31

Kompact Series

- Full Port - Size - 2" – 6"
- Full Flanged Wafer Compact Design
- Cavity Filled
- Steam Jacket
- V-Port Control

I-SO Mount



Tech Bulletin page 111, 112

V - Series

- Modulating V-Port Control Characterized Ball
- 1/4" thru 12"
- 15°-30°-60°-90°
- Custom Designs



Tech Bulletin page 120 -123

DM - Series

- Direct Mount Valves
- Tailored for simple automation with ISO5211 actuator mounting pad
- 2pc/3pc/Flanged End



DM51/52



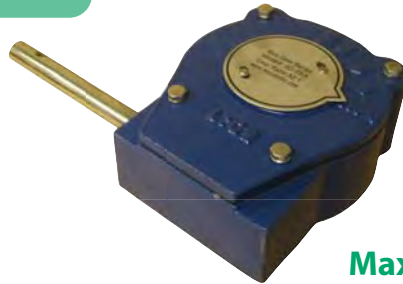
DM80



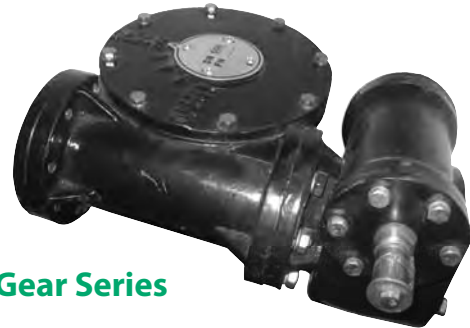
DM300

Manual Gear Operators

- ISO Direct Mount
- Worm Type
- Torque ranged
- 1327in-lb to 35400 in-lb



Max-Gear Series



USA Manufactured Ball Valves

USA Made Forged Bar Ball Valves

API608/API6D Compliant



Model 610, 620

Tech Bulletin page 52A/B

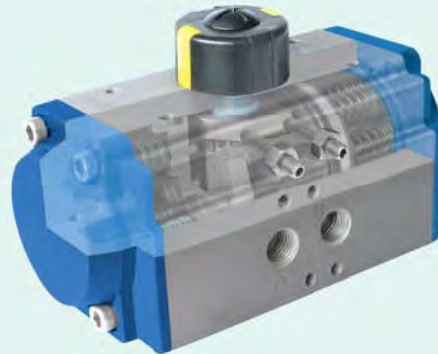
- Custom manufactured to your exact specifications
- Encapsulated soft or metal seating
- Special materials & end connections
- Size 1/4" thru 6"
- Pressure Classes 150/300/600/900/1500/2500

Flo-Tite, Inc. offers a complete package of pneumatic hydraulic & electric actuators. All types of controls & accessories for a vast number of special automated applications

Air-Con Series

Designed for quarter-turn ball, butterfly & plug valves as well as damper applications. Incorporating the latest technology in actuator design.

- Hard anodized aluminum body
- Namur interface & ISO5211 Mounting
- 5° - travel stops
- Torque range up to 1,565,200 in-lbs



Limit Switch Series ALX

Compact-Competitive Design



Limit Switch Moniteur Series

All Specials



Solenoid Valve

Direct Design



Easy-Link ISO Mounting Hardware



Electric Actuators

All Types & Designs



Automation Components

Positioner-4-20 or 3-15
Filler Regulator/Air Set
Manual Overrides



Speed Controls
Electric Fail Safe



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