



J FLOW CONTROLS

CONDENSED CATALOG

2 & 3 piece valves
3 & 4 way valves
Control Valves
Top Entry Valves
Trunnion Ball Valves
Floating Ball Valves
Metal Seated Valves
Flanged Ball Valves



JFLOWCONTROLS.COM

SERIES 2000

Globe Single Seated Top Guide Valve

Flow characteristics: linear, equal % & modified %, MTRs available

- Size: 3/4" - 10"
- Body Material: A216, WCB, 304, 316, Alloys
- Trim Material: 304, 316, Alloys
- Cv Ratio: 50:1
- End Connections: Flanged, BW, SW, 150-1500
- Temperature: -22° to +1049° F
- Seat Materials: Soft, Metal



SERIES 3500

Globe 3 Way Mixing & Diverting Valve

Single seated top guide, bolted bonnet, flow characteristics: linear, equal % & modified %, MTRs available

- Size: 1" - 16"
- Body Material: A216, WCB, 304, 316, Alloys
- Trim Material: 304, 316, Alloys
- Cv Ratio: 50:1
- End Connections: Flanged, BW, SW, 150-600
- Temperature: -22° to +1049° F
- Seat Materials: Soft, Metal



CONTROL VALVES

SERIES 4000

Globe Heavy Duty Cage Balanced Valve

Low noise and anti-cavitation trims, flow characteristics: linear, equal %, modified %, semi-throttled, MTRs

- Size: 1/2" - 24"
- Body Material: A216, WCB, 304, 316, Alloys
- Trim Material: 304, 316, Alloys
- Cv Ratio: 30:1 (Tendril), 50:1 (Reduced Cage), 100:1 (Full Cage)
- End Connections: Flanged, BW, SW, 150-2500
- Temperature: -22° to +1049° F
- Diaphragm actuators enclosed, piston-style actuators available



DM9900F

Direct Mount Segmented V Control Valve

Spring loaded, removable seat, replaces globe valves and general ball valves, high Cv flow rate, MTRs available, US Patent #: US8,398,055B2

- Size: 1-1/2" - 30"
- Body Material: WCB, 316, 316L, Alloys
- Trim Material: 316, Alloys
- Port: Full port and reduced trim
- End Connections: ANSI 150-900, Wafer
- Options: 60° segmented ball
- Temperature: -20° to +1000° F
- Seat Materials: TFM, TFM 4215, Metal Seat



DM4800

3600 PSI, Direct Mount, Three Piece Ball Valve, API 608
Fire -safe to API 607, 6th Edition, live loaded packing,
encapsulated seat with locking handle, B16.34, MTRs

- Size: 1/4" - 3"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, Alloys; Stellite Ball
- Port: full port
- End Connections: Threaded, SW, BW, ESW, Flanged ANSI 150-900
- Temperature: -20° to +1000° F
- Seat Materials: PEEK, Delrin, Metal, TFM4215
- Options: chainwheel, fusible link, extended bonnet



DM4600 Full Port

2000 PSI High Performance Valve, B16.34, fire safe to API
607 6th edition, Direct mount, live-loaded packing, blow-out
proof stem, anti-static, silicone-free, MTRs available

- Size: 1/4" - 4"
- Body Material: WCB, 316, Alloy 20, Duplex, Alloys
- Trim Material: 316, Alloy 20, Duplex, Hastelloy C
- Port: Full port
- End Connections: NPT, SW, BW, Flanged 150-600, metric threads
- Temperature: -50° to +650° F
- Seat Materials: TFM1600, TFM4215, UHMPWE, Vespel, Metal Seated
- Options: cryogenic and fugitive emission bonnets



THREE PIECE VALVES

DMCF7300

1000 PSI, Tri-Clamp Valve with 10Ra Interior Finish
Direct mount, blow-out proof stem, cavity filled, sanitary
3 piece valve, live-loaded packing, MTRs available

- Size: 1/4" - 4"
- Body Material: 316, Alloy 20, Duplex, Monel
- Trim Material: 316, Alloy 20, Duplex, Monel
- Port: Full port
- End Connections: Tri-clamp, BW, Tube
- Temperature: -20° to +600° F
- Seat Materials: Teflon, TFM
- Options: CIP/SIP self-flushing, non-cavity filled



OB60DM4600 Full Port

Direct Mount V Ball, B16.34, Fire Safe to API 607 6th Ed.
Direct mount, live-loaded packing, characterized control
valve, 2000 PSI (WOG) silicone free, blow-out proof
stem, anti-static, MTRs available

- Size: 1/4" - 4"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, Alloys
- Port: Full port
- End Connections: NPT, SW, BW, Flanged 150-600, DIN Flanged, Metric Threads
- Temperature: -50° to +650° F
- Seat Materials: Teflon, Carbon, others
- Options: 15°, 30°, 60°, 90°, slotted v-ball



9500F

Double Block & Bleed, Seal Welded Ball Valve
API 6D, blow-out proof stem, NACE certified, fire safe to API 607, 4th Edition, B16.34, B16-10, MTRs available

- Size: 2" - 60"
- Body Material: 304, WCB, 316, LCB, LF2, F316, A105
- Trim Material: 316, 17-4 stem, chrome, SS410
- Port: Full port and reduced port
- End Connections: NPT, SW, ANSI 150-2500
- Temperature: -50° to +1000° F
- Seat Materials: Nylon, RPTFE, TFM, Metal Seated, PEEK, Carbon PEEK, Tungsten Carbide, Stellite
- Options: locking handle, gear operator



9800F

Metal Seated Valve
API 6D, blow-out proof stem, fire safe to API 607, 4th Edition, NACE certified, B16.34, B16.10, MTRs available

- Size: 2" - 60"
- Body Material: WCB, 316, LCB, LF2, F316, A105
- Trim Material: 316, 17-4 stem, chrome, SS410
- Port: Full port and reduced port
- End Connections: NPT, SW, ANSI 150-2500
- Temperature: -50° to +1000° F
- Seat Materials: Metal Seated, Stellite, Tungsten Carbide, Inconel
- Options: locking handle, gear operator



TRUNNION VALVES

SERIES 9700F

Double Block & Bleed Valve
API 6D, blow-out proof stem, fire safe to API 607, 4th Edition, NACE certified, B16.34, MTRs available

- Size: 2" - 60"
- Body Material: WCB, 316, LCB, LF2, F316, A105
- Trim Material: 316, 17-4 stem, chrome
- Port: full port and reduced port
- End Connections: NPT, SW, ANSI 150-2500
- Temperature: -50° to +1000° F
- Seat Materials: Nylon, RPTFE, TFM, PEEK, Carbon PEEK, Carbon TFM 4215
- Options: locking handle, gear operator



SERIES 3L/3T2A00 Series

Trunnion 3 Way High Pressure Valve
API 6D, blow-out proof stem, NACE certified, B16.34, MTRs available

- Size: 2" - 16"
- Body Material: WCB, 316, LCB, LF2, F316, A105, Alloys
- Trim Material: 316, 17-4 stem
- Port: full port and reduced port
- End Connections: ANSI 150-900
- Temperature: -50° to +1000° F
- Seat Materials: RPTFE, TFM, TFM4215, Metal, PEEK
- Options: locking handle, gear operator



FSLD3900F

3000 PSI Valve, Firesafe to API 607, 5th Edition
Adjustable packing, seal-welded body, silicone-free,
blow-out proof stem, MTRs available

- Size: 1/4" - 3"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, 17-4 stem, Alloys
- Port: Full port
- End Connections: NPT, metric
- Temperature: -50° to +650° F
- Seat Materials: Delrin, PEEK



FSLD3500

2000 PSI Valve, Firesafe to API 607, 5th Edition
Adjustable packing, seal-welded body, silicone-free,
blow-out proof stem, ISO mounting pad, MTRs available

- Size: 1/4" - 3"
- Body Material: WCB, 316
- Trim Material: 316, 17-4 stem
- Port: Full port
- End Connections: NPT, metric
- Temperature: -29° to +650° F
- Seat Materials: TFM, TFM4215
- Options: locking handle, stem extension, limit switch



ONE & TWO PIECE VALVES

FSLD1100

2000 PSI valve, 1 piece, fire safe to API 607, 4th Edition
Adjustable stem packing, no leakage paths through
body, blow-out proof stem, MTRs available

- Size: 1/4" - 2"
- Body Material: 316, WCB
- Trim Material: 316, WCB
- Port: Reduced port
- End Connections: NPT
- Temperature: -20° to +300° F
- Seat Materials: RPTFE



DM3800F

1000 PSI Valve, Two Piece
Direct Mount, live loaded packing, silicone-free,
blow-out proof stem, MTRs available

- Size: 1/4" - 3"
- Body Material: 304, 316, 316L
- Trim Material: 304, 316
- Port: Full port
- End Connections: NPT, Metric
- Temperature: -29° to +300° F
- Seat Materials: Teflon
- Options: locking handle, stem extension, limit switch



KE/KS

Through Conduit, Slab Gate Valves

API 6FA fire safe design, double block & bleed, self-relieving seat, top entry bonnet, complies with API 6D/ API 6D SS, MTRs available

- Size: 2" - 60"
- Body Material: WCB, 316S, Alloy materials
- Trim Material: Chrome, 316S, Stellite
- Port: Reduced port, Full port
- End Connections: ANSI 150 - ANSI 1500
- Temperature: -100°F TO +1000°F
- Seat Materials: RPTFE, Metal



6800

Spring Check Valve

High capacity, soft seated for bubble-tight shutoff, spring loaded for fast sealing action, MTRs available

- Size: 1/4" - 3"
- Body Material: Stainless Steel
- Trim Material: Stainless Steel
- Port: Full port
- End Connections: NPT
- Temperature: +10° to +450° F
- Seat Materials: Teflon, TFM, TFM 4215



SPECIALTY VALVES

DBDM2500

Two Piece Flanged, Fire Safe API 607, 5th Edition

Direct mount, three piece, full port, live-loaded packing, encapsulated seat with locking handle, MTRs available

- Size: 1/2" - 4"
- Body Material: WCB, 316, Alloy 20, Hastelloy C, Super Duplex, Monel
- Trim Material: 316, Duplex, Allo 20, Hastelloy C, Monel
- Port: full port
- End Connections: ANSI 150#, Flanged 300#
- Temperature: -100° to +650° F
- Seat Materials: Metal seated, PEEK, Super Teflon, Carbon Super Teflon, Carbon PEEK
- Options: locking handle, stem extension, limit switch



DBDM4600/DBDM4800 Full Port

2000 & 3000 PSI, Three Piece, Double Block & Bleed Valve
Blow-out proof stem, ISO5200 direct mounting pad, fire safe to API 607 6th edition, high performance valve, MTRs available

- Size: 1/4" - 3"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, 17-4 stem, Alloys
- Port: Full port
- End Connections: NPT, metric, SW, Flanged, ANSI 150-900
- Temperature: -50° to +1000° F
- Seat Materials: TFM 4215, PEEK, Carbon PEEK, TFM, Metal
- Options: locking handle, stem extension, limit switch



DM2500

ANSI 150 & 300 Direct Mount

Firesafe to API 607, 5th Edition, blow-out proof stem, silicone-free, anti-static, live loaded packing, MTRs available

- Size: 1/2" - 12"
- Body Material: WCB, 316, LCB, Alloys
- Trim Material: 304, 316, Alloys
- Port: Full port and reduced port
- End Connections: ANSI 150 & 300, DIN flanges
- Temperature: -50° to +1000° F
- Seat Materials: TFM, Carbon TFM, PEEK, Metal seated
- Options: cryogenic and fugitive emission bonnets, locking handle, gear operator



DM4500FTMTMF150

Direct Mount ANSI 150 & 300

1000 PSI three piece, direct mount, live loaded packing, blow-out proof stem, silicone free, MTRs available

- Size: 1/4" - 4"
- Body Material: WCB, 316, Alloy 20, Duplex, Alloy
- Trim Material: 316, Alloy 20, Duplex, Alloy
- Port: Full port
- End Connections: ANSI 150 - 300, NPT, SW, BW, metric threads
- Temperature: -50° to +450° F
- Seat Materials: TFM1600
- Options: oval handle, SR handle, limit switch, automation



FLANGED VALVES

OB-DM2500

ANSI 150 Flanged V-Ball Control Ball

Firesafe to API 607, 5th Edition, Direct mount, live-loaded packing, self-adjusting packing, blow-out proof stem design, MTRs available

- Size: 1/2" - 12"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, 17-4
- Port: Full port and reduced port
- End Connections: ANSI 150 - 300
- Temperature: -50° to +1000° F
- Seat Materials: TFM, Carbon TFM, PEEK, Carbon PEEK, Metal Seated Plate, TFM 4215
- Options: chainwheel, 15°, 30°, 60°, 90°, slotted v-ball, locking handle, gear operator



9600

Floating Ball, Fire Safe to API 607, 4th Edition

API 6D certified, B16.34, B16.10, ISO 5211 mounting pad, NACE certified, MTRs available

- Size: 1/2" - 10"
- Body Material: WCB, 316, A105, 304, LF2, LCB
- Trim Material: 304, 316, Chrome
- Port: Full port and reduced port
- End Connections: ANSI 150-600, RF, 600 RTJ, SW, BW, DIN flanges
- Temperature: -50° to +650° F
- Seat Materials: Teflon, RPTFE, TFM, TFM 4215
- Options: fusible link, extended bonnet, chainwheel, locking handle, gear operator



DM2600

Top Entry, ANSI 150, Direct Mount
Silicone-free, anti-static, face-to-face interchangeability,
locking handle, MTRs available

- Size: 2" - 4"
- Body Material: WCB, 316, 316L, 317, Alloys
- Trim Material: WCB, 316, 316L, 317, Alloys
- Port: Reduced port
- End Connections: ANSI 150
- Temperature: -20° to +600° F
- Seat Materials: Super Teflon, Carbon TFM, TFM4215
- Options: Chainwheel, fusible link, extended bonnet



DM2700

One Piece, Top Entry Direct Mount
Convenient in-line repairable, one piece valve, live-loaded
packing, silicone-free, anti-static, MTRs available

- Size: 1/2" - 4"
- Body Material: WCB, 316, Alloys
- Trim Material: WCB, 316, Alloys
- Port: Reduced port
- End Connections: SW, BW, Threaded, NPT
- Temperature: -50° to +600° F
- Seat Materials: Super Teflon, Carbon, Carbon TFM



TOP ENTRY VALVES

5400

Double Block & Bleed Plug Valve, Rising Stem
Soft or metal seated options, hand or power operation,
bi-directional sealing with zero leakage, little maintenance

- Size: 2" - 24"
- Body Material: WCB, WCC, Stainless Steel, Alloy materials
- Trim Material: WCB, 17-4
- Port: Full port
- End Connections: ANSI 150-2500
- Temperature: -20° to +800° F
- Seat Materials: Soft or metal
- Options: Handwheel extension, limit switch, thermal, jacket and custom painting



9400

Top entry, Fire Safe to API 607 4th Edition Valve
Meets ASME B16.34, B16.5, & B16.10, seats compensate
for wear, fluctuations of pressure/temp., MTRs available

- Size: Full: 1/2 - 10"; Reduced: 1/2" - 12"
- Body Material: A105, WCB, 316, F316, LF2, LCB, Alloys
- Trim Material: 316, chrome, Alloys
- Port: full port and reduced port
- End Connections: NPT, metric, BW, SW, ANSI 150-2500
- Temperature: -50° to +1000° F
- Seat Materials: TFM, RPTFE, UHMPWE, PEEK, Carbon PEEK, Metal Seated, Carbon TFM 4215



DMCF3L/T2A33FTTKE

T-Port and L-Port Direct Mount

Cavity-filled, positive shut-off, in-line repairable, blow-out proof stem, 10Ra interior finish, 800 WOG, MTRs available

- Size: 1/2" - 4"
- Body Material: 316, Alloys, WCB
- Trim Material: 316, Alloys
- Port: Full port
- End Connections: Tri-clamp, BW, Tube, Flanged
- Temperature: -50° to +650° F
- Seat Materials: PTFE, TFM, TFM 4215
- Options: automation, limit switch, locking handle



DM3L/T2A33FTT

ANSI 150 & 300, T Port and L Port, Direct Mount

Self-adjusting packing, blow-out proof stem, silicone-free, four seats, positive shutoff, 800 WOG, MTRs available

- Size: 1/2" - 16"
- Body Material: WCB, 316, 304, Alloys
- Trim Material: 316, 17-4
- Port: Full port
- End Connections: Npt, SW, BW, ANSI 150-300, DIN Flanges
- Temperature: -20° to +1000° F
- Seat Materials: Super Teflon, Carbon, Carbon PEEK, UHMWPE, Metal Seated, TFM 4215
- Options: 45° handle, automation with accessories,



THREE, FOUR, FIVE WAY VALVES

DM4LL/T-2A33FTTF150

X Port, Double L, 4-Way, 5-Way, Direct Mount

Self-adjusting packing, blow-out proof stem, 800 WOG, silicone-free, four seats, positive shutoff, MTRs available

- Size: 1/2" - 16"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, 17-4 stem
- Port: Full port
- End Connections: NPT, SW, BW, ANSI 150 & 300, DIN Flanges
- Temperature: -20° to +1000° F
- Seat Materials: Super Teflon, Carbon, Carbon PEEK, Metal Seated, UHMPWE
- Options: 45° handle, automation with accessories



DM5400/5300

Side Entry, T Port, L Port, Direct Mount

Four seat design, positive shutoff, silicone-free, in-line repairable, live-loaded packing, 800 WOG, MTRs available

- Size: 2-1/2" - 4"
- Body Material: WCB, 316, Alloys
- Trim Material: 316, Alloys
- Port: Full port
- End Connections: NPT, metric, BW, SW
- Temperature: -20° to +1000° F
- Seat Materials: Super Teflon, Carbon, Carbon PEEK, UHMPWE, Metal Seated
- Options: 45° handle, automation with accessories



MB1.2

1 and 2-Way Manifold

Male-Female connections, metal-to-metal shutoff, easy 2 mounting holes, 100% tested

- Size: 1/2"
- Body Material: Carbon Steel, Stainless Steel AISI-316, Special Alloys, Barstock
- Max Pressure: 6000 psi
- Temperature: -4° to +752° F
- Option: Movable stem tip, graphoil packing for high temperatures



MBT2.5

2-Way Five Valve Manifold

Metal to metal shutoff, easy packing external adjustment, PTFE packing, 100% tested

- Size: 1/2"
- Body Material: Carbon Steel, Stainless Steel AISI-316, Special Alloys, Barstock
- Max Pressure: 6000 psi
- Temperature: -4° to +752° F
- Option: Movable stem tip, graphoil packing for high temperatures, four screws M10 instead of 7/6" UNF



MANIFOLD VALVES

MBT2.3DA

2 & 3-Way Valve Transmitter Direct Coupling Manifold

High strength body, Stainless Steel non-rotating ball shut-off, PTFE packing, 100% tested

- Body Material: Carbon Steel, Stainless Steel AISI-316, Special Alloys, Barstock
- Max Pressure: 6000 psi
- Temperature: -4° to +752° F
- Option: Movable stem tip, graphoil packing for high temperatures, four screws M10 instead of 7/16" UNF, two bleed screws in outflow



MBT2.3DT

2 & 3-Way Valve Transmitter Direct Coupling Manifold

High strength body, Stainless Steel non-rotating ball shut-off, PTFE packing, 100% tested

- Size: 1/2"
- Body Material: Carbon Steel, Stainless Steel AISI-316, Special Alloys, Barstock
- Max Pressure: 6000 psi
- Temperature: -4° to +752° F
- Option: Movable stem tip, graphoil packing for high temperatures, four screws M10 instead of 7/16" UNF, two bleed screws in outflow



JFC

Pneumatic Spring Return and Double Acting Actuators

- High cycle life
- Field reversible rotation
- Dual piston rack & pinion design for compact construction
- ISO 5211 - Namur mounted
- DA: 32 in/lbs - 76,791 in/lbs
- SR: 52 in/lbs - 22,745 in/lbs



JFE

Electric Actuators

- Compact and light weight
- ISO 5211
- 24 VDC/VAC
- 120 VDC/VAC
- 220 VAC
- NEMA 4/7
- 4-20mA in and out
- 100 in/lbs - 27,000 in/lbs
- Manual Override available



ACTUATORS & ACCESSORIES

JFD

Spring and Diaphragm Actuators

- ISO 5211
- Namur accessory mounting
- High cycle design
- Low maintenance
- Field reversible
- Corrosion resistant
- Wide range of springs
- 135 in/lbs - 7,095 in/lbs



Accessories

A wide range of accessories

- Spring handles
- Stem extensions
- Fugitive emission/cryogenic bonnets
- Switches (NEMA 4/7)
- Positioners (4-20, 3-15, smart)
- Solenoids (NEMA 4/7)
- Custom brackets





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