



CONTROL VALVES & BUTTERFLY VALVES

PRODUCT OVERVIEW

QUALITY | EXPERTISE | PRODUCT RANGE

SERIES 2000

Globe Single Seated Top Guide Valve
TA Luft emission certified, ISO 15841
Flow Characteristics: Linear, Equal Percentage & Modified Percentage
MTRs available

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



SERIES 3500

Globe 3-Way Mixing & Diverting Valve
TA Luft emission certified, ISO 15841
Single seated top guide and bolted bonnet
Flow Characteristics: Linear, Equal Percentage & Modified Percentage
MTRs available

Size	1" - 12"
Body Material	A216, WCB, 304, 316, Alloys
Trim Material	304, 316, Alloys
Seat Material	Soft, Metal
Cv Ratio	50:1
End Connections	Flanged, BW, SW, ANSI 150 - 600
Temperature	-22°F to +1049°F

SERIES 4000

Globe Heavy Duty Cage Balanced Valve
 TA Luft emission certified, ISO 15841
 Low noise and anti-cavitation trims
 Flow Characteristics: Linear, Equal Percentage & Semi-throttled
 MTRs available

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, ANSI 150 - 2500
Temperature	-22°F to +1049°F
Other	Diaphragm actuators enclosed, heavy duty cylinders



DM9100 SERIES

Rotary Globe Valve
 Reduced trim option
 TA Luft emission certified, ISO 15841
 Wafer and ANSI 150 versions available
 Patent pending, MTRs available

Size	1-1/2" - 4"
Body Material	CF8, CF8M, CF3, CF3M, WCB, Alloys
Trim Material	316, Alloys
Seat Material	TFM 1600, TFM 4215, Metal Seat
Port	Full Port, Reduced Port
End Connections	ANSI 150 - 600
Temperature	-320°F to + 750°F
Options	Locking handle, gear operator, stem extension, bare stem

DM9900F SERIES

Direct Mount Segmented V Control Valve
 TA Luft emission certified, ISO 15841
 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
Seat Material	TFM, TFM 4215, Metal Seat
Port	Full Port, Reduced Port
End Connections	ANSI 150 - 900, wafer
Temperature	-20°F to +1000°F
Options	60° segmented ball



OB4500 SERIES

Three Piece Ball Valve
 TA Luft emission certified, ISO 15841
 V-ball in 15°, 30°, 45°, 60°, 90°, Slot or Custom

Size	1/4" - 4"
Body Material	Carbon Steel, Stainless Steel
Port Design	Full Port
Packing	Teflon, Super Teflon
End Connections	Threaded, Socket Weld, Butt Weld, Flanged
Temperature	-40°F to +450°F
Working Pressure	1/4" - 2": 1000 psi 2-1/2" - 4": 800 psi
Options	15°, 30°, 60°, 90°, slotted v-ball

DMOB4600 SERIES

2000 psi, Direct Mount, V-Ball, B16.34 Control Valve
 Fire safe to API 607, 7th Edition
 TA Luft emission certified, ISO 15841
 Direct mount, live-loaded packing, characterized control valve
 Silicone-free, blow-out proof stem, anti-static, MTRs available

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



DMOB2500 SERIES

ANSI 150 Flanged V-Ball Control Valve
 Fire-safe to API 607, 7th Edition
 TA Luft emission certified, ISO 15841
 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
Seat Material	TFM, Carbon TFM, PEEK, Carbon PEEK, Metal Seated Plate, TFM 4215
Port Design	Full Port, Reduced Port
End Connections	Flanged 150, 300
Temperature	-50°F to +1000°F
Options	Chainwheel, 15°, 30°, 60°, 90°, slotted v-ball, Locking handle, Gear Operator



BUTTERFLY VALVES

SERIES 80/81

Soft Seated Cartridge Seat Type Butterfly Valve
TA Luft emission certified, ISO 15841
One piece body construction
ISO 5211 mounting pad

Size	2" - 24"
Body Material	Cast Iron, Ductile Iron, Stainless Steel
Seat Type	Cartridge
Disc	CF8M, Ductile Iron, Bronze
Pressure Rating	Class 125/150
Drilling	ANSI 125/150, JIS, 10K, PN 10/16
Operation	Lever, Gear, Actuators



SERIES 82/83

Double off-set, high performance butterfly valve
Series 82: Wafer Style
Series 83: Lug Style
TA Luft emission certified, ISO 15841

Size	2" - 24"
Body Material	A216 WCB Cast Steel and A351 CF8M Stainless Steel
Seat Material	Soft Seat: TFM-4215, PTFE, RTFE, NBR, EPDM, FKM Metal Seat: A240 Tp 316/304
Disc	Stainless Steel CF8M
Pressure Rating	Class 150#, 300#
End Connections	ANSI 150 & 300, DIN, JIS
Operation	Lever, Gear, Pneumatic & Electric automated

SERIES 84/85

AWWA Butterfly Valve
 NSF 372 certified lead free
 NSF 61 certified for drinking water
 Meets AWWA C504 and C516 requirements

Size	3" - 78"
Body Material	Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel
Pressure Rating	75 psi, 150 psi, 250 psi
Seat Material	Buna-N, EPDM, HEPDM, FKM (Viton), Polychloroprene, Natural Rubber, Silicon Rubber
End Connections	Flanged
Temperature	up to 290°F
Actuator Type	Handwheel, Chainwheel, Square Nut, Cylinder, Electric Motor, Pneumatic



SERIES 88/89

Triple off-set butterfly valve
 Available as a cryogenic valve
 -321°F liquid nitrogen
 Zero leakage, metal seated
 Tight shutoff for thousands of cycles

Size	2" - 80"
Body Material	A350LF2/LCB, WCB/A105, 316 CF8M, Alloy 20
Trim Material	CF8M and Alloy material
End Connections	Flanged, ANSI 150 & 300, Ring Type Joint
Temperature	-321°F to +1000°F
Options	Gear Operator, Stem Extension

BUTTERFLY VALVES

SERIES 89

Cryogenic Butterfly Valve
API Standard 622
Double offset or triple offset
Face-to-face: API 609 Category A, ISO 5752 Series 20

Size	3" - 48"
Body Material	CWCB, SCS 13, SCS 14
Seat Type	Soft Seat, Metal Seat
End Connections	Wafer, Lugged, Flanged, Butt-weld
Bonnet Type	Plain, Extension, Cryogenic
Temperature	up to 1112°F, cryogenic range: -320°F



SERIES CSA

Sanitary Three Piece Butterfly Valve
Can be used for isolating or regulating flow
Can be opened incrementally in order to throttle flow
On/off routing valves with a substantial opening air and low flow resistance



Size	1/2" - 6"
Body Material	316, 316L, 304, 304L, Alloys
Seat Material	PTFE, EPDM, Buna, Viton
Disc	316, 316L, 304, 304L, Alloys
Pressure Rating	ANSI 150, ANSI 300
End Connections	Tri-clamp, butt weld, threaded, flanged
Operation	Lever, gear operator, electric or pneumatic actuator

9200 SERIES

Choke Valves
 Angle body design for longevity
 Bolted bonnet for ease of maintenance
 Steam injection applications

Size	2"
Body Material	A105, Stainless Steel CF8M, Ductile
Disc	Carbide, 17-4, Ceramic
End Connections	Socket Weld
Pressure Rating	ASME Class 900/1500
Shut off	ANSI Class IV
Seat Type	Disc
Flow Control Applications	Steam, Water & Gas Injection



9300 SERIES

In-Line Choke Valves
 Pressure ratings up to 3,705 psi
 Xylan® coated 17-4 Stainless Steel stem and disc driver
 Manual, electric, hydraulic or pneumatic
 Automated valves have selectable failure position



Size	3" & 4"
Body Material	API 4130 (75K) and 316SS or customer-specified materials
Disc	Tungsten Carbide/Cobalt
End Connections	Raised Faced Flange
Shut off	ANSI Class IV
Flow Control Applications	Control flow on production, re-injection and wellheads; oil and gas production wells

PLUG VALVES

1000 SERIES

AWWA Eccentric Plug Valve

Mainly used in water supply and sewage systems

High service life and no maintenance

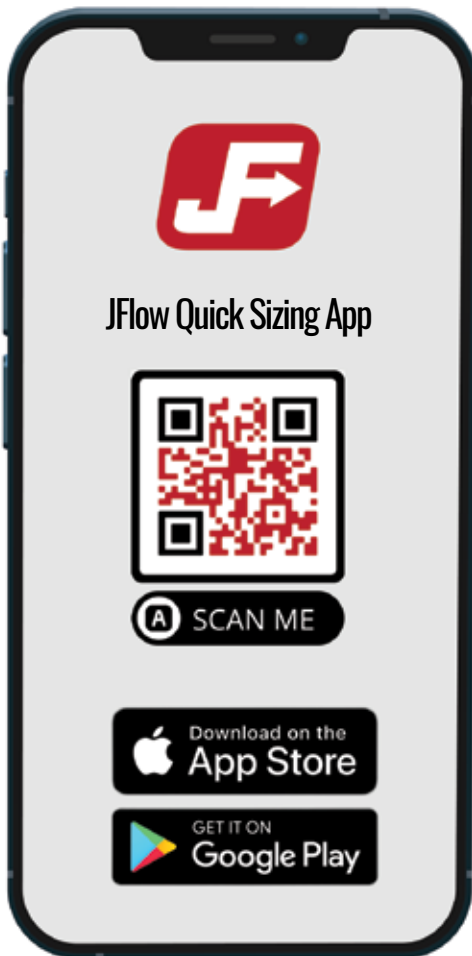
Full port design

Size	3" - 72"
Body Material	WCB, Cast Iron, Ductile Iron, Stainless Steel, Duplex
Port	Full port
Applications	Sewage, raw water, fresh water, sea water



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