

# CONTROL VALVES & BUTTERFLY VALVES

## PRODUCT OVERVIEW

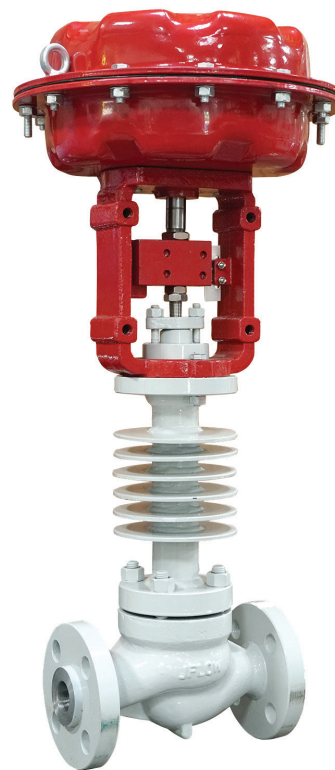
QUALITY | EXPERTISE | PRODUCT RANGE

## SERIES 2000

Globe Single Seated Top Guide Valve

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
Cv Ratio	50:1
End Connections	Flanged, BW, SW, ANSI 150 - 1500
Temperature	-22°F to +1049°F
Seat Materials	Soft, Metal



## SERIES 3500

Globe 3-Way Mixing & Diverting Valve

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
Cv Ratio	50:1
End Connections	Flanged, BW, SW, ANSI 150 - 600
Temperature	-22°F to +1049°F
Seat Materials	Soft, Metal

# SERIES 4000

Globe Heavy Duty Cage Balanced Valve  
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



# DM9900F SERIES

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°F to +1000°F
Seat Materials	TFM, TFM 4215, Metal Seat

## OB4500 SERIES

Three Piece Ball Valve  
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 Range	-40°F to +450°F
Working Pressure	1/4" - 2": 1000 psi 2-1/2" - 4": 800 psi



## OB4600 SERIES

2000 psi, Direct Mount, V-Ball, B16.34 Control Valve  
Fire safe to API 607, 6th Edition  
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
Port Design	Full Port
End Connections	NPT, SW, BW, Flanged 150 - 600, DIN Flanged, Metric Threads
Temperature	-50°F to +650°F
Seat Materials	Teflon, Carbon, others
Options	15°, 30°, 60°, 90°, slotted v-ball

# DMOB2500 SERIES

ANSI 150 Flanged V-Ball Control Valve

Fire-safe 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 Design	Full Port, Reduced Port
End Connections	Flanged 150, 300
Temperature Range	-50°F 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





# BUTTERFLY VALVES

## 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



## SERIES 82/83

Double off-set, high performance butterfly valve  
Series 82: Wafer Style  
Series 83: Lug Style

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

## SERIES 80/81

Soft Seated Cartridge Seat Type Butterfly Valve  
One piece body construction  
ISO 5211 mounting pad

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



## SERIES 9200

Choke Valve  
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 Shut off
Seat Type	Disc



4665 Interstate Drive  
Cincinnati, OH 45246  
513.731.2900  
sales@jflowcontrols.com  
[www.jflowcontrols.com](http://www.jflowcontrols.com)