

ISO 9001, API 6D, API Q1 Monogram Licensed Valve Manufacturer
Ball ♦ Gate ♦ Globe ♦ Check ♦ Expanding/Slab Gate ♦ Needle ♦ Automation
Carbon Steel ♦ Stainless Steel ♦ Other Various Alloy Materials
Sizes 1/4" to 48" ♦ ANSI 150-2500

PRODUCT GUIDE



**GLOBAL VALVE
& CONTROLS**



Providing Hundreds of Products. Supporting Thousands of Clients. Controlling Millions of Gallons.

DEPEND ON US. WE CAN HANDLE THE PRESSURE.



SERIES G



GLF-3



CKF-2



SERIES CK



GLF-4



SERIES GL



NVG6000



NV10000



GLOBAL VALVE
& CONTROLS

Control > Quality
Flow >



20-RP



20-FP



SERIES SBG



SERIES EXPG



SERIES FS



BV2000



SERIES 2T/3T



BV3600



BV6000



BV3705



YFS w/ MCB



FS525



SERIES 790



SERIES 10



SERIES 30



SERIES 800



SERIES FSD-61

Discover the difference!

Design & Testing Specifications


- ◆ Valve Bore/ Basic Design
 - ◆ Wall Thickness/ Pressure Temperature
 - ◆ Face to Face
 - ◆ Flange Dimensions
 - ◆ Butt Welds Valve Ends
 - ◆ Pressure Tests
 - ◆ NACE
 - ◆ Fire Safe Test
 - ◆ Drain/ Vent/ Bypass
- ◆ API 6D, API 608, API 600, API 602, BS 1873
 - ◆ B 16.34
 - ◆ ASME B 16.10/ API 6D
 - ◆ ASME B 16.5/ B 16.47/ MSS SP 44
 - ◆ B 16.25/ 31.3/ 31.4/ 31.8
 - ◆ API 6D/API 598
 - ◆ MR0175/ ISO 15156 part 1, 2 & 3
 - ◆ API 607/ API 6FA
 - ◆ API 6D



GLOBAL Valve & Controls®  is an ISO 9001 certified and API 6D, Q1 licensed valve manufacturer of Domestic and Non Domestic products. Offering Ball, Globe, Gate, Expanding Gate, Slab Gate, Check, and Needle Valves; Actuators and Automation Accessories.

 accommodates & services the Upstream, Midstream & Down-stream market segments of the oil/gas industry, with a primary focus on Natural Gas Transport and Storage Projects, as well as, the Petrochemical, Agricultural, Mining, Water/ Waste Management, and Aerospace Industrial Sectors.

GLOBAL Valve & Controls® has the right valve for the right application, ranging from ANSI 150 through 2500, sizes 1/4 to 48", in Stainless Steel, Carbon Steel, Alloy 20, Monel, Duplex, and other various exotic body materials.

 also carries fully automated valve packages, fugitive emission solutions, control packages, cryogenic valves, as well as, various valve coating solutions. Special Ordering is available!

GLOBAL Valve & Controls® continues to make strides in elevating our company beyond industry standards, by being consistent in providing products that are of superior quality and performance, dedicating ourselves to quality assurance, and being immediately responsive to our customer needs. We look forward to the opportunity to supply your valve needs!

Sincerely



Troy Richard
CEO at GLOBAL Valve
& Controls



Slab Gate

Series SBG

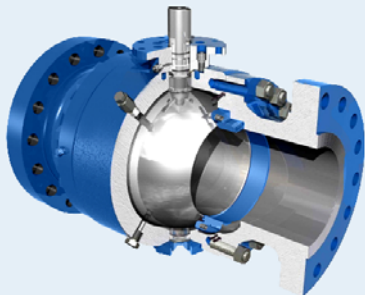
- ◆ Sizes 2" - 36"
- ◆ ANSI Class 150-1500
- ◆ API 6D **Slab** Gate Valve
- ◆ Full Port, Through Conduit
- ◆ Live Loaded Stem Packing
- ◆ Available in A216 WCB, WCC, Stainless Steel and Other Various Materials
- ◆ Butt Weld, Raised Face, and Ring Type Joint (RTJ)
- ◆ NACE MR0175 Compliant
- ◆ B16.10
- ◆ B16.5
- ◆ B16.34
- ◆ Internal Pressure Relieving



Expanding Gate

Series EXPG

- ◆ Sizes 2" - 36"
- ◆ ANSI Class 300-1500
- ◆ API 6D **Expanding** Gate
- ◆ Full Port, Through Conduit
- ◆ Live Loaded Stem Packing
- ◆ Available in A216 WCB, WCC, Stainless Steel and Other Various Materials
- ◆ Butt Weld, Raised Face, and Ring Type Joint (RTJ)
- ◆ NACE MR0175 Compliant
- ◆ B16.10
- ◆ B16.5
- ◆ B16.34
- ◆ Valve forms Positive Tight Sealing
- ◆ Seals at Low & High Pressure

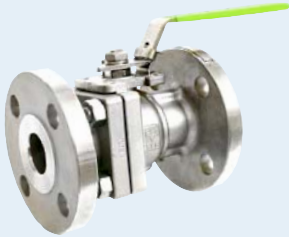


Trunnion

Series 2T/3T

- ◆ Sizes 2" - 48"
- ◆ ANSI Class 150-2500
- ◆ API 6D Flanged **Trunnion** Mounted Design
- ◆ 2-Piece Cast and 3-Piece Forged Design
- ◆ Full or Reduced Port Designs
- ◆ ASME B16.34 and BS5351 Specifications
- ◆ Carbon, Stainless Steel, Alloy 20, F51 Duplex SS, Monel, Titanium, and Other Various Materials
- ◆ Butt Weld, Raised Face, Ring Type Joint (RTJ) and Special Facing Ends
- ◆ NACE MR0175 Compliant
- ◆ Flange Face to Face to ASME B16.10
- ◆ Flange Dimensions to B16.5
- ◆ Butt Weld Ends to B16.25
- ◆ Blowout Proof Stem Design
- ◆ Standard Anti-static Device
- ◆ Double Block and Bleed
- ◆ Body Cavity Pressure Relief System
- ◆ Fire Tested according to API 607 Standards
- ◆ 3-Piece Forged with Upper and Lower Trunnion Plates (6" and above)
- ◆ Optional Third-Party Testing
- ◆ Optional Double Piston Effect

Series FS



- ◆ Sizes 1/2" - 4" ANSI Class 150-300-600
- ◆ Sizes 6" - 12" ANSI Class 150-300
- ◆ 2-Piece Body **Floating** Flanged Design, Full or Reduced Port
- ◆ Raised Face and Ring Type Joint Ends (RTJ)
- ◆ Carbon, Stainless Steel, Alloy 20, Hastelloy C
- ◆ Fully Encapsulated Body Seals
- ◆ Belleville Washers, Live Loaded Stem Seals
- ◆ Self-Cleaning, Leak Tight Slotted Seat Design
- ◆ NACE MR0175 Approved
- ◆ Design and Tested to API 6D
- ◆ Fire Tested according to API 607 Standards
- ◆ Blowout Proof, Anti-Static Stem Design
- ◆ Wide Choice of Seat and Seal Material Options
- ◆ *Cryogenic Stem Option*
- ◆ *Media Containment Bonnet Compatible*

Series FSD-61



- ◆ Sizes 1/2" - 8" ANSI Class 150-300
- ◆ 2-Piece **Direct Mounted** Floating Flanged End Design, Full Port
- ◆ Carbon, Stainless Steel, Alloy 20, Hastelloy C
- ◆ Raised Face Ends
- ◆ Fully Encapsulated Body Seals
- ◆ Live Loaded Stem Design
- ◆ Fully Slotted Seat Design
- ◆ NACE MR0175 Approved
- ◆ Tested to API 6D & API 608
- ◆ Fire Tested according to API 607 Standards
- ◆ Standard Anti-Static Device Body and Stem
- ◆ Wide Choice of Seat Material (TFM Standard)

Series CFS



- ◆ Sizes 2" - 12" ANSI Class 150-300
- ◆ 2-Piece Body **Floating** Flanged Design, Full or Reduced Port
- ◆ Carbon, Stainless steel, Alloy 20, A352-LCC
- ◆ Raised Face and Ring Type Joint Ends (RTJ)
- ◆ Fully Encapsulated Body Seals
- ◆ Self-cleaning, Leak Tight Slotted Seat Design
- ◆ NACE MR0175 Approved
- ◆ Design and Tested to API 6D
- ◆ Fire Tested according to API 607 Standards
- ◆ Blowout Proof, Anti-Static Stem Design
- ◆ Floating Ball Design prevents Cavity Pressure Build-up while the Valve is open
- ◆ Wide Variety of Exotic Alloys for Body and Trim
- ◆ Wide Choice of Seat Material (TFM Standard)

Series YFS



- ◆ Sizes 1/2" - 12" ANSI Class 150-300
- ◆ 2-piece Body **Floating** Flanged Design, Full or Reduced Port
- ◆ Carbon, Stainless steel, Alloy 20, Hastelloy C or A350 Grade LCB
- ◆ Raised Face and Ring Type Joint Ends (RTJ)
- ◆ Fully Encapsulated Body Seals
- ◆ Self-cleaning, Leak Tight Slotted Seat Design
- ◆ Fully Encapsulated Seats (TFM Standard)
- ◆ NACE MR0175 Approved
- ◆ Design and Tested to API 6D
- ◆ Fire Tested according to API 607 Standards
- ◆ Live Loaded Stem Design
- ◆ Blowout proof, Anti-Static Stem Design
- ◆ Wide variety of Exotic Alloys
- ◆ ISO 5211 Integral Mounting Pad
- ◆ Wide Choice of Seat and Seal Material Options
- ◆ *Cryogenic Stem Option*
- ◆ *Media Containment Bonnet Compatible*



Series 10

- ◆ Sizes 1/4" - 4"
- ◆ 1000 W.O.G. (PSI)
- ◆ 2-Piece Body Design, Full Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon or Stainless Steel
- ◆ Blowout Proof Stem

- ◆ NACE MR0175 Compliant
- ◆ Adjustable Stem Packing
- ◆ High-Quality Investment Casting
- ◆ Locking SS Handle



Series 20 FP/ 20 RP

- ◆ Sizes 1/4" - 2", 2000 W.O.G. (PSI)
- ◆ 2 Piece Body Design, Full Port or Reduced Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon or Stainless Steel
- ◆ Blowout Proof Stem

- ◆ NACE MR0175 Compliant
- ◆ Adjustable Stem Packing
- ◆ Seat Options: TFM, NOVA and PTFE
- ◆ High-Quality Investment Casting
- ◆ Locking SS handle



Series 30

- ◆ Sizes 1/4" - 4"
- ◆ 1000 W.O.G. (PSI)
- ◆ 3-Piece Body Design, Full Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Socket Weld Connections to ASME B16.11
- ◆ Carbon or Stainless Steel
- ◆ Blowout Proof Stem

- ◆ NACE MR0175 Compliant
- ◆ Adjustable Stem Packing
- ◆ Locking SS handle
- ◆ In-line replaceable
- ◆ High-Quality Investment Casting



Series 790

- ◆ Sizes 1/4" - 2"
- ◆ 3000 W.O.G. (PSI)
- ◆ 5-Piece Body Design, Full Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Socket Weld Connections to ASME B16.11
- ◆ Carbon or Stainless Steel
- ◆ Rugged Vinyl Coated SS Handle

- ◆ NACE MR0175 Compliant
- ◆ Standard TFM seats and seals



Series 800

- ◆ Sizes 1/4" - 2"
- ◆ 1000 W.O.G. (PSI)
- ◆ 1-Piece Body Design, Reduced Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ All Stainless Steel Body and Trim
- ◆ Blowout Proof Stem

- ◆ NACE MR0175 Compliant
- ◆ Locking SS handle



Series BV2000

- ◆ Sizes 1/4" - 2"
- ◆ 2000 W.O.G. (PSI)
- ◆ 1-Piece Body Design, Reduced Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon Steel
- ◆ NACE MR0175 Compliant
- ◆ SS handle without a locking Device



Series BV3600

- ◆ Sizes 1/4" - 1 1/2" in Full Port
- ◆ Sizes 2" in Regular Port
- ◆ 3600 W.O.G. (PSI)
- ◆ 2-Piece Body Design
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon or Stainless Steel
- ◆ NACE MR0175 Compliant
- ◆ Fire Tested according to API 607 Standards
- ◆ Locking SS handle
- ◆ Seal Weld Design
- ◆ High-Quality Investment Casting
- ◆ ISO 5211 Actuator Mounting Pad



Series BV3705

- ◆ Sizes 1/4" - 1 1/2" in Full Port
- ◆ Sizes 2" in Regular Port
- ◆ 3705 W.O.G. (PSI)
- ◆ 2-Piece Body Design
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon or Stainless Steel
- ◆ NACE MR0175 Compliant
- ◆ Fire Safe Design
- ◆ Locking SS handle
- ◆ High-Quality Investment Casting
- ◆ ISO 5211 Actuator Mounting Pad
- ◆ Seal Weld Option



Series BV6000

- ◆ Sizes 1/4" - 1 1/2" in Full Port
- ◆ Sizes 2" in Regular Port
- ◆ 6000 W.O.G. (PSI)
- ◆ 2-Piece Body Design
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Carbon or Stainless Steel
- ◆ NACE MR0175 Compliant
- ◆ Fire Safe Design
- ◆ Locking SS handle
- ◆ High-Quality Investment Casting
- ◆ ISO 5211 Actuator Mounting Pad
- ◆ Seal Weld Option



Series FS525

- ◆ Sizes 1/4" - 1" 2000 W.O.G. (PSI)
- ◆ Sizes 1 1/4" - 2" 1500 W.O.G. (PSI)
- ◆ 3-Piece High Performance Body Design, Full Port
- ◆ Threaded End Connections to ASME B1.20.1 (NPT)
- ◆ Socket Weld Connections to ASME B16.11
- ◆ Carbon or Stainless Steel
- ◆ Wide variety of Exotic Alloys
- ◆ NACE MR0175 Compliant
- ◆ Fire Tested according to API 607 Standards
- ◆ Full Encapsulated Body Seals
- ◆ Seat Options: NOVA, PEEK, TFE, Delrin, RTFE and UMPHWE (TFM Standard)
- ◆ Self-Cleaning, Leak Tight Slotted Seat Design
- ◆ ISO 5211 Actuator Mounting Pad
- ◆ *Cryogenic Stem Option*



Series G

- ◆ Sizes 2" - 48"
- ◆ ANSI Class 150-2500
- ◆ Cast Steel **Gate**
- ◆ API 600 Design
- ◆ Bolted Bonnet Design, O S & Y
- ◆ Rising Stem
- ◆ Flexible Wedge, Fully Guided
- ◆ WCB, CF8M, Alloy 20 and Various Other Alloys available
- ◆ NACE MR0175 Compliant
- ◆ B16.10
- ◆ B16.5
- ◆ B16.34
- ◆ Butt Weld, Raised Face, and Ring Type Joint Ends (RTJ)
- ◆ *Pressure Seal ANSI 1500 & 2500 Optional*



Series GL

- ◆ Sizes 2" - 36"
- ◆ ANSI Class 150-2500
- ◆ Cast Steel **Globe**
- ◆ BS 1873 design
- ◆ Bolted Bonnet Design, O S & Y
- ◆ WCB, CF8M, Alloy 20 and Various Other Alloys available
- ◆ NACE MR0175 Compliant
- ◆ B16.10
- ◆ B16.5
- ◆ B16.34
- ◆ Butt Weld, Raised Face, and Ring Type Joint Ends (RTJ)
- ◆ *Pressure Seal ANSI 1500 & 2500 Optional*
- ◆ *Cryogenic Stem Option*



Series CK

- ◆ Sizes 2" - 36"
- ◆ ANSI Class 150-2500
- ◆ Cast Steel Swing **Check**
- ◆ API 6D Design
- ◆ Bolted Bonnet Design
- ◆ WCB, CF8M, and Various Other Alloys available
- ◆ NACE MR0175 Compliant
- ◆ B16.10
- ◆ B16.5
- ◆ B16.34
- ◆ Butt Weld, Raised Face, and Ring Type Joint Ends (RTJ)

GATE, GLOBE, CHECK VALVES

FORGED STEEL



Series GF-3

- ◆ Sizes 1/2" - 4"
- ◆ ANSI Class 150-1500
- ◆ Forged Steel **Gate** Valve, Conventional Port
- ◆ Socket Weld, Threaded, Raised Face or Ring Type Joint (RTJ)
- ◆ Bolted or Welded Bonnet
- ◆ NACE MR0175 Compliant
- ◆ API 602 Design and API 598 Tested
- ◆ Available in A105N, F316, F304, F11, F22, LF2, Alloy 20, Monel and Other Materials.



Series GLF-4

- ◆ Sizes 1/2" - 4"
- ◆ ANSI Class 150-1500
- ◆ Forged Steel **Globe** Valve
- ◆ Socket Weld, Threaded, Raised Face or Ring Type Joint (RTJ)
- ◆ Bolted or Welded Bonnet
- ◆ NACE MR0175 Compliant
- ◆ API 602 Design and API 598 Tested
- ◆ Available in A105N, F316, F304, F11, F22, LF2, Alloy 20, Monel and Other Materials.
- ◆ **Cryogenic Stem Option**



Series CKF-2

- ◆ Sizes 1/2" - 4"
- ◆ ANSI Class 150-1500
- ◆ Forged Steel Piston or Swing **Check** Valve
- ◆ Socket Weld, Threaded, Raised Face or Ring Type Joint (RTJ)
- ◆ Bolted or Welded Bonnet
- ◆ Available in Piston or Swing Design
- ◆ NACE MR0175 Compliant
- ◆ API 602 Design and API 598 Tested
- ◆ Available in A105N, F316, F304, F11, F22, LF2, Alloy 20, Monel and Other Materials.

NEEDLE VALVES



Series NV10000

- ◆ Sizes 1/4" - 1"
- ◆ 10,000 (PSI) Rated
- ◆ Stainless **Needle** Design
- ◆ Packed Bonnet Style
- ◆ Standard Panel Nut for easy Assembly
- ◆ NACE MR0175 Compliant
- ◆ End Connections in either Male/Female or Female/Female
- ◆ Soft Seat Design
- ◆ Hard Seat Option



Series NVG6000

- ◆ Sizes 1/2" - 3/4"
- ◆ 6,000 (PSI) Rated
- ◆ Stainless **Multiport Needle Design**
- ◆ Working Temperature -20 Deg (F) to 200 Deg F
- ◆ NACE MR0175 Compliant
- ◆ 3 Female x Male End Connections
- ◆ Threads conform to ASME B1.20.1
- ◆ Teflon/Viton Packing and Seals



AUTOMATION & ACCESSORIES

CUSTOM APPLICATION, MCB, ACTUATORS & AUTOMATION ACCESSORIES

Actuators & Automation Accessories



Rack & Pinion Actuator

- ◆ Di-Aluminum Tri-Oxide Hard Anodized Body
- ◆ Unique V-Seal Piston Ring Guaranteed for 3 years or 3 million cycles
- ◆ Double Acting to 58700 in. lbs. Spring Return to 47514 in. lbs.
- ◆ Epoxy Coated High Grade Steel Springs for High Corrosion Resistance
- ◆ Solid Piston Bearings
- ◆ ISO 5211 and NAMUR Drilling Patterns
- ◆ ISO Star Drive Shaft for Ease of Mounting
- ◆ Actuators (such as: Bettis, Infinity, Rotork, Pantex, and Ledeen)
- ◆ Brackets
- ◆ Solenoids (such as: Asco and Versa)
- ◆ Steam Jackets
- ◆ Limit Switches (such as: Stonel, Westlock, and Moniteur)
- ◆ Repair Kits
- ◆ And so much more!

Media Containment Bonnet (MCB)

Fugitive Emissions Solution Accessory for an "in service" leaking valve.



Media Containment Bonnet

- ◆ GVC's Media Containment Bonnet (MCB) is Designed to Mount Directly to GVC's Series (FS/YFS 150/300) and (FS525.)
- ◆ Sizes 1" - 6"
- ◆ ANSI Class 150 to 300.
- ◆ 5 to 10 min installation without the need for heavy machinery (only tool needed is a wrench.)
- ◆ Avoids downtime or shut downs.



DNL F1 Explosion Proof

SPDT Mechanical Switch



DNL F1 Weather Proof

SPDT Mechanical Switch

Custom Application



Stem Extensions

- ◆ Stem Extensions for Buried Service
- ◆ Extended **Cryogenic** Columns
- ◆ Soft Seat Modifications
- ◆ Automation Packages
- ◆ PMI Capabilities
- ◆ Drain Connection & Bypass Installation
- ◆ Bevel & Worm Gear Installation
- ◆ Packing and/or Gasket Modification
- ◆ Valve Repair Kits
- ◆ NDE Inspection - RT, PT, MT, UT
- ◆ Various Trim and modifications changes
- ◆ Various End Connection modifications



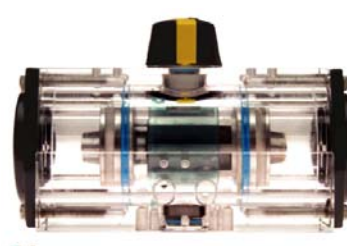
pneumatic actuator



Scotch yoke on Trunnion



20" ANSI 2500 Trunnion w/ butt weld ends and pipe extensions



Pneumatic Rack and Pinion Actuator



8" ANSI 1500 with a scotch yoke automation package

VALVE SPECIFICATION CHART

HOW TO ORDER EXAMPLE



How to order example:

3T 15 1A 1 3A D H RF GO -02

Series Class Body Ball Stem Seats Seals Ends Operator Options Size

Series	Class	Body	Ball	Stem	Seats	Seals	Ends	Operator	Options	Size
2T - 2 piece design	15 - 150	1 - CS A216	1 - A105+ENP	1 - A105+ENP	D - Devlon	E - EPDM	RTJ - Ring Type	GO - Gear Operator	X - Special	2" - 48"
	30 - 300	1a - CS A105	2 - Alloy 20	2 - Alloy 20	P - PEEK	G - Graphite	RF - Raised Face	L - Lever		
R2T - Reduced 2 piece design	60 - 600	2 - Alloy 20	3 - F316	3 - F316	R - Reinforced Teflon	H - HNBR		PR - Prep for Automation		
	90 - 900	3 - CF8M	4 - 410SS	3a - F6A	U - Vespel	T - Teflon	SP - Special Facing			
3T - 3 piece design	51 - 1500	3a - F316	5 - A350+ENP (LF2)	4 - 410SS	Y - Nylon	U - Vespel	BW - Butt Weld			
	25 - 2500	5 - A350 (LF2)	7 - 17-4 ph	5 - A350+ENP (LF2)	X - Metal	V - Viton (James Walker or Dowty)				
R3T - Reduced port 3 piece design		6 - WCC	8 - 4140+ENP	7 - 17-4 ph						
		9 - F51 Duplex SS	9 - F51 Duplex SS	8 - 4140+ENP						
W3T - welded body		MO - Monel	MO - Monel	9 - F51 Duplex SS						
		TI - Titanium	TI - Titanium	MO - Monel						
		X - Special	X - Special	TI - Titanium						
				X - Special						

Series Class Body Ball Stem Seats
Seals Ends Operator Options Size



GLOBAL VALVE & CONTROLS



DEPEND ON US.
WE CAN HANDLE
THE PRESSURE.

LNG

Petro-Chemical

Water Waste
Management

Agriculture

Pipeline
Transport

Fugitive
Emissions

Vessels

Aero-Space

And
More

8535 Jackrabbit Rd., Ste i Houston, TX 77095
281.463.1474 office 866.965.8GVC(482) 281.463.7735 fax
www.gvcintl.com

Name: _____