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

GLOBAL VALVE & CONTROLS

DEPEND ON US. WE CAN HANDLE THE PRESSURE.
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.

GLOBAL Valve & Controls® 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.

GLOBAL Valve & Controls® 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

Discover the GVC 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

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Discover the GVC difference!
API 6D VALVES
SLAB/EXPANDING GATE, TRUNNION BALL

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

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

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
- 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
## BALL VALVES
### THREADED/ SOCKETWELD

### 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

### Series 20 FP/ 20 RP
- **Sizes ¼”-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

### Series 30
- **Sizes ¼” - 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

### Series 790
- **Sizes ¼”-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

### Series 800
- **Sizes ¼”-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
**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)
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

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

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

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

NEEDLE VALVES
Actuators & Automation Accessories

- 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 4714 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.

- 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.

Custom Application

- 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

DNLF1 Explosion Proof
SPDT Mechanical Switch

DNLF1 Weather Proof
SPDT Mechanical Switch

Media Containment Bonnet

Stem Extensions

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:**

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

**Legend:**
- **Series:** Green
- **Class:** Blue
- **Body:** Orange
- **Ball:** Purple
- **Stem:** Red
- **Seats:** Pink
- **Seals:** Brown
- **Ends:** Aqua
- **Operator:** Light Blue
- **Options:** Black
- **Size:** Light Green