

# GWC USA

Proven technology  
for individual valve solutions  
worldwide





The focus of GWC USA is to lead the industry in quality, value and cost of ownership to our customers in the production of Oil & Gas, Midstream, Pipeline and Industrial applications.

GWC fully designs, manufactures and markets valves with one of the most extensive Trunnion Mounted Ball Valve lines you will find in the Industry today. GWC which was founded by an Italian Group & USA Entrepreneurial Management team has a history of building and managing successful valve Manufacturing companies over the past 40 years. GWC valves are used in major applications for Upstream, Downstream & Transportation Segments of the Oil & Gas Industry, E&P, Petrochemical, Chemical, Mining/Minerals, Power, Marine and Industrial markets.

**GWC USA's extensive line of valve and flow control products include:**

- Trunnion Mounted Ball Valves (soft & metal seated)
  - Split Body
  - Top Entry
  - Welded Body
  - Cryogenic & High Temperature
  - Compact Body (Twin Ball)
- Floating Ball Valves
- Pipeline Check Valves
- Gate, Globe and Check Valves including Cast & Forged
- Needle Valves



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## CERTIFICATIONS & STANDARDS

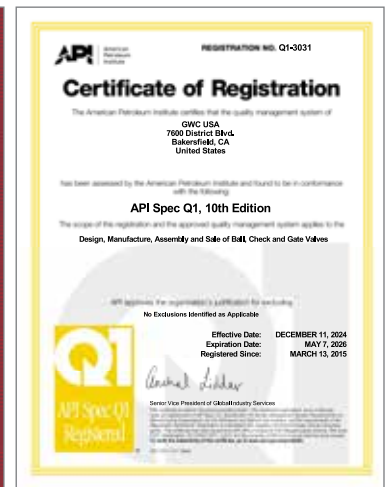
### American Standards

#### American Petroleum Institute

API-6D	Specification for Pipeline Valves
API-6A	Specification for Wellhead and Christmas Tree Equipment
API-6FA	Specification for Fire Test for Valves
API-607	Fire Test for Soft-Seated Quarter-Turn Valves
API-608	Metal Ball Valves - Flanged, Threaded, and Welding End
API-Q1	Specification for Quality Programs for the Petroleum, Petrochemical & Natural Gas

### International Standards

ISO 9001	Quality Management Systems
CE/PED	Pressure Equipment Directive
CRN	Canadian Registration Number
Z245.15	Pipeline Steel Valves
ATEX	European for explosive atmosphere
SIL3	Measurement of performance required for safety instrument function



## Trunnion Mounted Ball Valves

The GWC Trunnion mounted ball valves are designed, constructed, and tested according to API 6D, API 6A, ASME / ANSI Standards and NACE MR0175, NACE MR0103 Compliance. Other international standards including BS and DIN are also available on request.

### API 6D, API 6A TRUNNION MOUNTED BALL VALVES



### SHUTDOWN (SDV) /EMERGENCY SHUTDOWN VALVES (ESDV)



### CRYOGENIC BALL VALVES





## Trunnion Mounted Ball Valves Product Overview

### API Licenses:

- API 6D
- API 6A-PSL4\*\*

### Size Range: 1" to 56"\*\*\*

### Pressure Class:

ASME 150-2500

API 2000-15000\*\*

### Service Type:

- Standard Temperature: -29°C to 220°C / -20°F to 428°F
- Low Temperature: -46°C to 150°C / -50°F to 302°F
- Cryogenic Temperature: -47°C to -196°C / -52°F to -320°F
- Underground
- High Temperature: Above 220°C / 428°F



**MODEL F & FF**  
SIDE ENTRY BOLTED BODY

SERVICE	API 6D Size (in/mm) - Pressure Range				API 6A Size (in/mm) - Pressure Range		
	ASME 150-600	ASME 900	ASME 1500	ASME 2500	API 2000-5000	API 10000	API 15000
Standard	2"-56" 50-1400	2"-48" 50-1200	2"-42" 50-1050	2"-24" 50-600	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
Low Temperature	2"-56" 50-1400	2"-48" 50-1200	2"-42" 50-1050	2"-24" 50-600	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
Cryogenic	2"-36" 50-900	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	*	*
Underground	2"-56" 50-1400	2"-48" 50-1200	2"-42" 50-1050	2"-24" 50-600	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
High Temperature	2"-36" 50-900	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	*	*



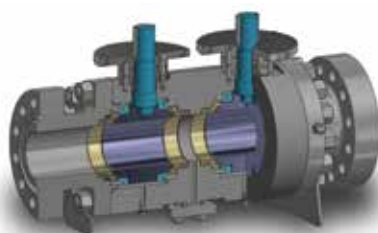
**MODEL FW**  
SIDE ENTRY WELDED BODY

SERVICE	API 6D Size (in/mm) - Pressure Range				API 6A Size (in/mm) - Pressure Range		
	ASME 150-600	ASME 900	ASME 1500	ASME 2500	API 2000-5000	API 10000	API 15000
Standard	2"-56" 50-1400	2"-36" 50-900	2"-30" 50-750	*	*	*	*
Low Temperature	2"-56" 50-1400	2"-36" 50-900	2"-30" 50-750	*	*	*	*
Cryogenic	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Underground	2"-56" 50-1400	2"-36" 50-900	2"-30" 50-750	*	*	*	*
High Temperature	N/A	N/A	N/A	N/A	N/A	N/A	N/A



**MODEL FT**  
TOP ENTRY BOLTED BONNET

SERVICE	API 6D Size (in/mm) - Pressure Range				API 6A Size (in/mm) - Pressure Range		
	ASME 150-600	ASME 900	ASME 1500	ASME 2500	API 2000-5000	API 10000	API 15000
Standard	2"-56" 50-1400	2"-48" 50-1200	2"-42" 50-1050	2"-24" 50-600	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
Low Temperature	2"-56" 50-1400	2"-48" 50-1200	2"-42" 50-1050	2"-24" 50-600	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
Cryogenic	2"-36" 50-900	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	*	*
Underground	2"-56" 50-1400	2"-48" 50-1200	2"-42" 50-1050	2"-24" 50-600	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
High Temperature	2"-36" 50-900	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	*	*



**MODEL FC**  
COMPACT BODY (TWIN BALL)

SERVICE	API 6D Size (in/mm) - Pressure Range				API 6A Size (in/mm) - Pressure Range		
	ASME 150-600	ASME 900	ASME 1500	ASME 2500	API 2000-5000	API 10000	API 15000
Standard	2"-30" 50-750	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
Low Temperature	2"-30" 50-750	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
Cryogenic	2"-30" 50-750	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	*	*
Underground	2"-30" 50-750	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	1 13/16"-11" 46-280	1 13/16"-7 1/16" 46-179
High Temperature	2"-30" 50-750	2"-24" 50-600	2"-16" 50-400	2"-12" 50-300	1 13/16"-11" 46-280	*	*

\* - Available upon request, please consult factory

\*\* For larger sizes (above 42") & API 10000 and above will be built under our sister company API license

## Flanged Split Body Ball Valves

The GWC split body ball valves are designed, constructed, and tested according to API and ASME/ANSI Standards. Other international standards including BS and Din are also available on request.



SIZE RANGE: 1/2" - 8"  
PRESSURE CLASS: ASME 150 - 600  
API STANDARDS: 6D & 608  
ASME B16.34

### FEATURES

- ▶ FULL BORE AND REDUCED BORE
- ▶ 2-PIECE BODY
- ▶ ANTI-BLOW OUT STEM
- ▶ ANTI-STATIC DEVICE
- ▶ FIRESAFE TO API-607/6FA
- ▶ ZERO EMISSIONS FROM STEM
- ▶ NACE MR0175, NACE MR0103

## API 6D Swing Check Valves

GWC produces a full line of API 6D Full Opening Swing Check Valves in both carbon steel and low temp materials as well as full stainless steel as required.



SIZE RANGE: 2" - 36"  
PRESSURE CLASS: ASME 150 - 2500  
API STANDARDS: 6D  
ASME B16.34

### FEATURES

- ▶ FULL OPEN PIGGABLE DESIGN
- ▶ CAST CARBON STEEL BODY
- ▶ 316 STAINLESS STEEL TRIM STANDARD
- ▶ 90 DUROMETER ORING SEAL IN CLAPPER
- ▶ BUBBLE TIGHT SHUTOFF
- ▶ IN-LINE REPAIRABLE
- ▶ SUITABLE FOR VERTICAL OR HORIZONTAL INSTALLATION
- ▶ NACE MR0175, NACE MR0103

## Cast Steel Valves Gate, Globe & Check

GWC produces a wide variety of Cast Steel Gate, Globe, and Check valves.



SIZE RANGE: 2" - 60"  
PRESSURE CLASS: ASME 150 - 1500  
API STANDARDS: 600 & 603  
ASME B16.34

### FEATURES

- ▶ FLANGED, RF, RTJ, BW ENDS
- ▶ WELDED IN SEAT RINGS
- ▶ LOW EMISSIONS PACKING
- ▶ SINGLE PIECE STEM DESIGN
- ▶ SOLID FLEXIBLE WEDGE
- ▶ NACE MR0175 UPON REQUEST

## Forged Steel Valves Gate, Globe & Check

GWC produces a wide variety of Forged Steel Gate, Globe, and Check valves. Other available designs include y-pattern globe and check valves.



SIZE RANGE: 1/4" - 3"  
PRESSURE CLASS: ASME 150 - 2500  
API STANDARD: 602  
ASME B16.34

### FEATURES

- ▶ FNPT, SW, FLANGED RF, RTJ, BW ENDS
- ▶ LOW EMISSIONS PACKING
- ▶ SINGLE PIECE STEM DESIGN
- ▶ SOLID WEDGE
- ▶ NACE MR0175 UPON REQUEST

## Threaded & Socket-Weld Floating Ball Valves

GWC small floating valves are available in high pressure up to 6000 psi as well as general use commodity application.



SIZE RANGE: 1/4" - 3"  
PRESSURE CLASS: ASME 800 - 1500  
PRESSURE RANGE: 800 - 6,000 WOG

### FEATURES

- ▶ 1, 2 & 3 PIECE BODY
- ▶ FULL AND REDUCED BORE
- ▶ ANTI-BLOW OUT STEM
- ▶ ANTI-STATIC DEVICE
- ▶ AVAILABLE FIRESAFE TO API-607
- ▶ NACE MR0175 UPON REQUEST

## Oilfield Floating Ball Valves

GWC Oilfield Ball Valves are available in low and high pressure up to 5000 psi



SIZE RANGE: 1" - 4"  
PRESSURE CLASS: ASME 750 - 5000

### FEATURES

- ▶ 2 PC THREADED OR BOLTED CONSTRUCTION
- ▶ FULL AND REDUCED BORE
- ▶ ANTI-BLOW OUT STEM WITH GREASE FITTING
- ▶ ANTI-STATIC DEVICE
- ▶ FIRESAFE DESIGN
- ▶ HEAVY DUTY LOCKING HANDLE
- ▶ NACE MR0175 UPON REQUEST

## Needle Valves

GWC needle valves are designed and produced for accurate regulation at pressure up to 10,000 psi.



SIZE RANGE : 1/4" - 1"

PRESSURE RANGE: 6,000 - 10,000 WOG

### FEATURES

- ▶ HEAVY DUTY BODY
- ▶ METAL TO METAL BACK SEAT
- ▶ O-RING STEM SEAL
- ▶ THREADED BONNET CONNECTION
- ▶ NACE MR0175 UPON REQUEST



CATALOG	VALVE TYPE	DESIGN CODE	VALVE SIZE	PRESSURE CLASS	MATERIAL DESCRIPTION
TBV-1007	Trunnion Mounted Ball Valves	API 6D, API 6A & ASME B16.34	2" TO 64"	ASME 150 TO ASME 2500, API 6A 2000 - 15000	A105, A216 WCB, A352 LCC, A350 LF2, A352 LCB, A351 CF8, A351 CF8M, A182 F304/F304L, A182 F316/F316L, A351 CF3, A351 CF3M, A182 F51, A694 F60, A995 CD3MN, A995 CE8MN, A995 CD3MWCuN
FBV-1007	Flanged Floating Ball Valves	API 6D, API 608 & ASME B16.34	1/2" TO 10"	ASME 150 TO ASME 600	A105, A216 WCB, A352 LCC, A350 LF2, A352 LCB, A351 CF8, A351 CF8M, A182 F304/F304L, A182 F316/F316L, A351 CF3, A351 CF3M, A182 F51, A694 F60, A995 CD3MN, A995 CE8MN, A995 CD3MWCuN
SBV-1006	Floating Ball Valves, Threaded & Socket Weld	ASME B16.34	1/2" TO 2"	ASME 800 & 1500	A105, A216 WCB, A352 LCC, A350 LF2, A351 CF8, A351 CF8M, A182 F304, A182 F316, A182 F316L, A182 F51, A182 F53, A182 F55
	Floating Ball Valves, Threaded	ASME B16.34	1/4" TO 3"	1000WOG TO 6000WOG	A105, A216 WCB, A352 LCC, A350 LF2, A351 CF8, A351 CF8M, A182 F304, A182 F316, A182 F316L, A182 F51, A182 F53, A182 F55
	Floating Ball Valves, Threaded & Socket Weld	ASME B16.34	2-1/2" TO 3"	800WOG	A105, A216 WCB, A352 LCC, A350 LF2, A351 CF8, A351 CF8M, A182 F304, A182 F316, A182 F316L, A182 F51, A182 F53, A182 F55
SC-1005	Full Opening Swing Check Valves	API 6D	2" TO 36"	ASME 150 TO ASME 2500	A216 WCB, A352 LCC, A351 CF8M
OBV-1004	Oilfield Ball Valve	ASME B 16.34	1" TO 4"	750WOG TO 5000WOG	A105, A216 WCB, ASTM A395 DI
CSV-1007	Cast Steel Gate Valves	API 600, API 603 & ASME B 16.34	2" TO 60"	ASME 150 TO ASME 1500	A216 WCB, A216 WCC, A352 LCB, A352 LCC, A217 WC1, A217 WC6, A217 WC9, A217 C5, A217 C12, A351 CF3, A351 CF3M, A351 CF8, A351 CF8M, A351 CF8C, A351 CN7M, A995 CD3MN, A995 CE8MN, A995 CD3MWCuN
	Cast Steel Globe Valves	API 600, API 603 & ASME B 16.34	1-1/2" TO 20"		
	Cast Steel Swing Check Valves	API 600, API 603 & ASME B16.34	2" TO 48"		
FSV-1007	Forged Steel Gate Valves	API 602 & ASME B16.34	1/4" TO 2"	ASME 150 TO ASME 2500 & CLASS 800	A105, A350 LF2, A182 F11, A182 F22, A182 F5, A182 F9, A182 F304, A182 F304L, A182 F316, A182 F316L, A182 F347, B462 N08020, A182 F51, A182 F53, A182 F55
	Forged Steel Globe Valves	ASME B16.34	1/4" TO 2"		
	Forged Steel Check Valves, Swing, Piston	ASME B16.34	1/4" TO 2"		
NGV-1005	Needle Valves	ASME B16.34	1/4" TO 1" 1/4" TO 1/2"	6000WOG & 10,000WOG	A351 CF8M, A182 F316, AISI 1017

## NOTES

This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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