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BALL VALVES  
GATE VALVES  
GLOBE VALVES  
CHECK VALVES

... ..

VATAC

Connect with the World

# INDUSTRIAL VALVES

Ball | G.G.C | Conduit Gate | Plug | Butterfly

**Vatac Inc. U.S.A**  
3751 E Horsetooth #6-200, Fort Collins, CO 80525, United States  
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# CONTENT

	Page 7	THREAD WELD BALL VALVE		Page 19	AXIAL FLOW NON-SLAM CHECK VALVE
	Page 8	FLOATING BALL VALVE		Page 20	TILTED DISC CHECK VALVE
	Page 9	TRUNNION BALL VALVE		Page 22	SLAB & DOULBE EXPANDING GATE VALVES
	Page 10	FULL WELD BALL VALVE		Page 25	SLEEVE PLUG VALVE
	Page 11	TOP ENTRY BALL VALVE		Page 26	LUBRICATED PLUG VALVE
	Page 12	DBB BALL VALVE		Page 27	DBB PLUG VALVE
	Page 15	GATE VALVE		Page 28	ECCENTRIC PLUG VALVE
	Page 16	GLOBE VALVE		Page 31	CONCENTRIC BUTTERFLY VALVE
	Page 17	CONVENTIONAL CHECK VALVE		Page 32	DOUBLE OFFSET BUTTERFLY VALVE
	Page 18	WAFER CHECK VALVE		Page 33	TRIPLE OFFSET BUTTERFLY VALVE

## WHO WE ARE

Vatac is a dynamic & leading valve manufacturer delivering innovative solutions to customers in engineering industries.

### At a Glance

Vatac is an USA based international brand which has been well registered in many famous industrial countries like USA, Germany, Italy and China. Vatac today possess over 700,000 square feet manufacturing facilities and over 300 employees. Vatac targets to provide only the finest quality products and services to match the need of our customers.



### Supplying Capabilities

Vatac is proud to announce a broad line of industrial Ball, Gate, Conduit Gate, Globe, Check, Plug, Butterfly Valves and other Pipeline Fittings. Vatac's capability is not only limited to the designing and manufacturing of those standard items, but also focus on the most special and severe services items.



### Reliable Engineering Partner

Vatac Extensive product provides our customers with a wide range of engineering solutions for the most demanded industrial applications. Vatac converts industry knowledge and market insight into design-engineered Solutions, which creates competitive advantage for our customers, We call this as engineering advantage.

## MISSION STATEMENT

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Vatac commits to be a profitable company to sustain high quality, cost-effective products to satisfy our customers' needs.



## FULL RANGE QUALITY CONTROLS

### DESTRUCTIVE INSPECTION

- » Mechanical tests, hardness test and impact test up to -196°C .
- » Micro-examinations by electronic microscope up to 500 times magnification .
- » Macro-examinations .
- » Ferrite check according to E562 .
- » Chemical analysis from CS Super Alloys, using spectrometer.
- » Check analysis, C&S using induction analyser .
- » Corrosion tests (eg IGC) .
- » Step cooling test for alloy steel material [F22].

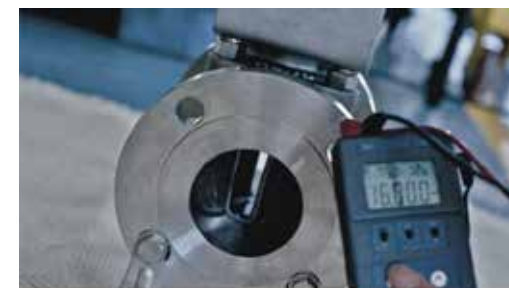


## QUALITY PHILOSOPHY AND COMMITMENT

Vatac's Quality Assurance System is created to guarantee the consistent quality expected or exceed an international level.

### Quality Policy

Vatac always places the product quality and customers' needs on the utmost position and strives to better serve for our valued customers. We conform to the latest standards and emphasize on managerial, technical and technological innovation. Vatac assures all valves with the highest grade complying with the most severe technical and contractual requirements.



### Quality Commitment

Vatac's Quality Assurance System is created to guarantee the consistent quality expected or exceed an international level.



Vatac ensures that the valves manufactured complying with the most sophisticated technical and contractual requirements by coordinating and optimizing control, in-process inspections and examinations through the final pressure test. Vatac achieves its quality requirements, in part, by performing its activities in accordance with their Quality Assurance System.

## QUALITY THE WORLD VALUE

### NON-DESTRUCTIVE INSPECTION

- » Dye penetrant (DP) examination on surface
- » Radiographic Examination (RT): Gamma Ray or X-Ray
- » PMI (Positive Material Identification)
- » Paint dry film thickness check
- » Magnetic particle (MT) examination (dry, wet or fluorescent)
- » Ultrasonic Test (UT) examination







THREAD | WELD BALL VALVE  
FLOATING BALL VALVE  
TRUNNION BALL VALVE  
FULL WELD BALL VALVE  
TOP ENTRY BALL VALVE  
DBB BALL VALVE



## VATAC® THREAD | WELD BALL VALVE

### Design Features:

- Full port or Reduced bore, Fire safe, Anti-static
- Blowout-proof stem
- Low emission control
- Optional locking device
- Optional direct mounting to ISO 5211
- Optional stem extension for cryogenic service
- Investment Casting & Forged Body Options



### Product Range:

- Size: 1/2"~4" (DN15~DN100)
- Rating: CL150~2500 (1000WOG~6000WOG)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Thread or Weld
- Seat: Resilient or Metal Seated

## FLOATING BALL VALVE

VATAC®

### Design Features:

- Designed to ASME B16.34, API 608 and ISO 17292.
- Full port or Reduced bore, Fire safe, Anti-static
- Blowout-proof stem
- Low emission control
- Topworks to ISO 5211
- Optional locking device
- Optional stem extension for cryogenic service



### Product Range:

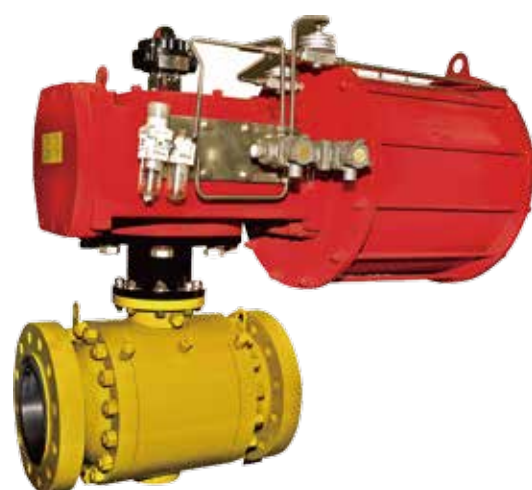
- Size: 1/2"~8" (DN15~DN200)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flange or welded
- Seat: Resilient or Metal Seated





## Design Features:

- Full port or Reduced bore, Fire safe, Anti-static
- Blowout-proof stem
- Double block & bleed
- Cavity pressure self relief
- Emergency sealant injection
- Optional double piston design
- Optional stem extension for cryogenic service



## Product Range:

- Size: 1 1/2"~48" (DN40~DN1200)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flanged or Welded
- Seat: Resilient or Metal Seated



## Design Features:

- Full bore or reduce port
- Integral welded Body and bonnet
- Fire safe, Blowout-proof stem, Anti-static
- Double block and bleed
- Cavity pressure self relief
- Optional double piston design
- Optional under-ground & extended stem design



## Product Range:

- Size: 2"~48" (DN50~DN1200)
- Rating: CL150~1500 (PN10~PN250)
- Body: Fabricated or Forged Steel
- Trim: C.S, S.S, Duplex Steel
- Ends: Flanged or Welded
- Operation: Manual, Electric or Pneumatic





## Design Features:

- One-piece flange top-entry trunnion design
- Inline maintenance service
- Double block and bleed
- Anti blowout stem design
- O-rings plus fire-safe packing prevents leakage
- Wave springs provide upstream and downstream sealing
- Stainless Steel Sealant injection fittings for emergency stem of seat sealing



## Product Range:

- Size: 1/2"~30" (DN15~DN750)
- Rating: CL150~900 (PN10~PN150)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flanged, Threaded or Welded
- Seat: Resilient or Metal Seated

## Design Features:

- Full bore or reduce port
- Double block and bleed
- Fire safe, Blowout-proof stem, Anti-static
- Optional Locking Device
- Integral & bolted body options
- Optional double piston design



## Product Range:

- Size: 1/2"~24" (DN15~DN600)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flanged, Mono-Flanged, Threaded or Welded
- Seat: Resilient or Metal Seated





- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- WAFER CHECK VALVE
- NON-SLAM CHECK VALVE
- TILTED DISC CHECK VALVE



## VATAC® GATE VALVE

### Design Features:

- Designed to ASME B16.34, EN 12516 and ISO 10434
- Low emission control
- Flexible or solid wedge
- Topworks to ISO 5211
- Optional bypass device
- Optional below sealed structure
- Optional cryogenic service with stem extension



### Product Range:

- Cast or Forged Body Options
- Size: 1/2"~60" (DN15~DN1500)
- Rating: CL150~2680 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flange, Weld or Thread
- Operation: Manual, Electric or Pneumatic



## GLOBE VALVE

### Design Features:

- Designed to ASME B16.34, BS1873 and EN 12516
- Straight through, Right angle or 45 degree Inclined Body
- Low emission control
- Swivel Plug Disc
- Optional bypass device
- Optional Screw-down Non-return
- Optional cryogenic service with stem extension



### Product Range:

- Cast or Forged Body Options
- Size: 1/2"~24" (DN15~DN600)
- Rating: CL150~2680 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flange, Weld or Thread
- Operation: Manual, Electric or Pneumatic





## Design Features:

- Designed to ASME B16.34, BS1868 and EN 12516
- Swing, Piston Lift or Inclined Y Type Body
- Bolted Cover or Pressure Sealed Bonnet
- Full opening for piggable service
- Optional outside dashpot device
- Optional threaded or welded seat
- Optional bypass system & counterweight assembly



## Product Range:

- Cast or Forged Body Options
- Size: 1/2"~60" (DN15~DN1500)
- Rating: CL150~2680 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flange, Weld or Thread

## Design Features:

- Designed to ASME B16.34 and API 594
- No outside leakage
- Compact & Economical
- Light weight and easily installation
- Low noise and lower water hammer damage
- Optional Tilted Disc structure
- Optional Dual Plate and Single Disc



Vatac offers a variety of Dual Plate Check Valves up to max. size 60" Rated @ ASME #150 thru #2500, with ends connections in Wafer, Flanges, Groove & Solid Lug.







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## AXIAL FLOW NON-SLAM CHECK VALVE

### Design Features:

- Designed to API 6D, ASME B16.34 and API 594
- Venturi port to reduce pressure loss
- Spring protection and no impact
- Low noise and lower water hammer damage
- Resilient and metal to metal seat options
- Full series with lugs and support legs
- No outside leakage



### Product Range:

- Cast or Forged Body Options
- Size: 2"~60" (DN50~DN1500)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Seat: Resilient or Metal to Metal
- Ends: Flange, Wafer or Weld



## TILTED DISC CHECK VALVE



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### Design Features:

- Designed to API 6D, ASME B16.34 or equivalent
- Short disc stroke provides quick closing and reduces water hammer
- Lift and tilt seat action preventing or minimizing wear
- Drop tight seating meets or exceeds international standards
- Bolted Cover or Pressure Sealed Bonnet
- Optional outside dashpot device
- Optional counterweight assembly



### Product Range:

- Size: 2"~60" (DN50~DN1500)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Seat: Resilient or Metal to Metal
- Ends: Flange, Weld or Wafer





## SLAB & DOULBE EXPANDING GATE VALVES

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### Design Features:

- Designed to ASME B16.34, API 6D or equivalent
- Full protected seat sealing faces
- Tight mechanical seal for high / low pressure
- Metal to metal or resilient seat Options
- Double block and bleed
- Cavity pressure self relief
- Emergency sealant injection system

### Product Range:

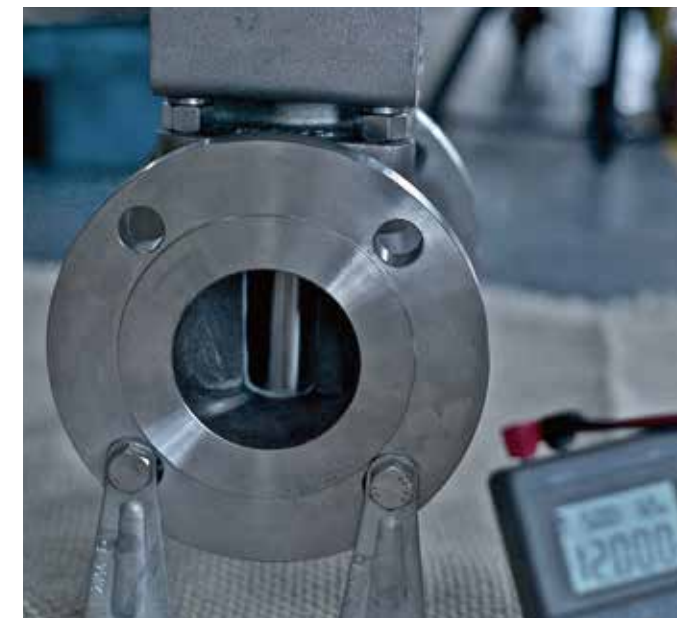
- Size: 2"~36" (DN50~DN900)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flanged or Welded
- Seat: Resilient or Metal to Metal

### Your Reliable Engineering Partner

Vatac designs and manufactures a broad line of through conduit slab gate valves and double expanding gate valves to satisfy the long distance transportation service of crude oil and natural gas. These items are strictly designed in accordance with API6D with DBB function, thus valve can offer bi-directional on- off services.







- SLEEVE PLUG VALVE
- LUBRICATED PLUG VALVE
- DBB PLUG VALVE
- ECCENTRIC PLUG VALVE



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## SLEEVE PLUG VALVE

### Design Features:

- Designed to API 599, API 6D or equivalent
- Fire safe tested to API 607
- Full bore or reduced port
- Bubble tight shut-off
- Easy In-Line maintenance
- Optional partially or fully jacket
- 2-way straight or Multi-port options
- Optional fluorine lined body for corrosive service



### Product Range:

- Size: 1/2"~30" (DN15~DN750)
- Rating: CL150~600 (PN10~PN110)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flanged, Welded or Threaded
- Operation: Manual, Electric or Pneumatic



## LUBRICATED PLUG VALVE

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### Design Features:

- Designed to API 599, API 6D or equivalent
- Fire safe tested to API 607
- Regular or Venturi Port
- Easy In-Line maintenance
- Resilient or Metal Seat options
- 2-way straight or Multi-port options
- Optional cryogenic service with stem extension



### Product Range:

- Size: 1/2"~40" (DN15~DN1000)
- Rating: CL150~2500 (PN10~PN420)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flanged, Welded or Threaded
- Seat: Resilient or Metal to Metal
- Operation: Manual, Electric or Pneumatic



#### Design Features:

- Designed to API 599, API 6D or equivalent
- Verifiable dual seal without seal abrasion
- Double Block and Bleed
- Superior in-line sealing
- Bubble tight shut-off
- Differential Thermal Relief
- Easy In-Line maintenance



#### Product Range:

- Size: 2"~30" (DN50~DN750)
- Rating: CL150~600 (PN10~PN110)
- Body: C.S, S.S, Alloy Steel, Duplex Steel
- Trim: C.S, S.S, Alloy Steel, Duplex Steel
- Ends: Flange or Weld
- Operation: Manual, Electric or Pneumatic

#### Design Features:

- Designed to MSS SP 108 or equivalent
- Rectangular or round port
- Bidirectional
- Superior in-line sealing
- Bubble tight shut-off
- Topworks to ISO 5211
- Easy In-Line maintenance



#### Product Range:

- Size: 2"~40" (DN50~DN1000)
- Rating: CL125~250 (PN6~PN25)
- Body: C.I, C.S, S.S, Alloy Steel, Duplex Steel
- Plugs: EPDM, Nitrile, Neoprene
- Ends: Double Flanges
- Operation: Manual, Electric or Pneumatic







CONCENTRIC BUTTERFLY VALVE  
DOUBLE OFFSET BUTTERFLY VALVE  
TRIPLE OFFSET BUTTERFLY VALVE





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## CONCENTRIC BUTTERFLY VALVE

### Design Features:

- Designed to API 609, MSS SP-67 or EN593
- Fire safe design
- Blowout-proof stem
- Bubble tight shut-off
- Topworks to ISO 5211
- Optional stem extension
- Epoxy Coating to ASTM A775/A775M



### Product Range:

- Size: 2"~72" (DN50~DN1800)
- Rating: CL125~150 (PN6~PN20)
- Body: C.I, C.S, S.S, Duplex Steel, Al-bronze
- Trim: C.I, C.S, S.S, Duplex Steel, Al-bronze
- Ends: Wafer, Lug, Flange, U-Flange, Groove
- Seat: Resilient Viton, EPDM & Nitrile
- Operations: Manual, Electric, Pneumatic



## DOUBLE OFFSET BUTTERFLY VALVE

### Design Features:

- Fire safe design
- Super long usage life
- Less seat wear, Low torque
- Blowout-proof stem
- Topworks to ISO 5211
- Bubble tight shut-off
- Optional Double block and bleed



### Product Range:

- Size: 2"~80" (DN50~DN2000)
- Rating: CL150~600 (PN10~PN110)
- Body: C.S, S.S, Duplex Steel, Alloy Steel, Al-bronze
- Trim: C.S, S.S, Duplex Steel, Alloy Steel, Al-bronze
- Ends: Wafer, Lug and Flange
- Seat: Resilient or metal to metal
- Operations: Manual, Electric, Pneumatic



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## TRIPLE OFFSET BUTTERFLY VALVE

### Design Features:

- Fire safe design ● Super long usage life
- Frictionless closure ● Blowout-proof stem
- Topworks to ISO 5211 ● Bubble tight shut-off
- Optional stem extension



### Product Range:

- Size: 2"~80" (DN50~DN2000)
- Rating: CL150~600 (PN10~PN110)
- Body: C.S, S.S, Duplex Steel, Alloy Steel, Al-bronze
- Trim: C.S, S.S, Duplex Steel, Alloy Steel, Al-bronze
- Ends: Wafer, Lug and Flange
- Seat: Resilient or metal to metal
- Operations: Manual, Electric, Pneumatic

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