

**B3<sup>®</sup> VALVE**

# **B3 VALVE GROUP COMPANY**

**Shanghai Factory · Yancheng Factory · Wenzhou Factory**

**————Focus on Quality & Delivery**

***Best Quality, Best Delivery, Best Price, Best Service***



## ***Content***

- [Company View](#)
- [Innovative Technology](#)
- [Advanced Manufacturing](#)
- [Quality Control](#)
- [International Marketing](#)
- [Products](#)
- [Advertise for Agency](#)
- [Contact Us](#)

## Company View



- B3 VALVE Group Company is a leading manufacturer of industrial valves in China. With over many years OEM production experiences, our products have continuously 20 years export to Western European countries, North America, Japan, Middle East of Asia, Australia, etc.
- Our company's own brand "B3" is the top famous brand in China and occupied huge market shares in domestic market and ranking top 10 in China.
- B3 VALVE Group Company focuses on quality and delivery, and devotes to providing Best Quality, Best Delivery, Best Price, Best Service for our customers.

[Back to content](#)





## Company View



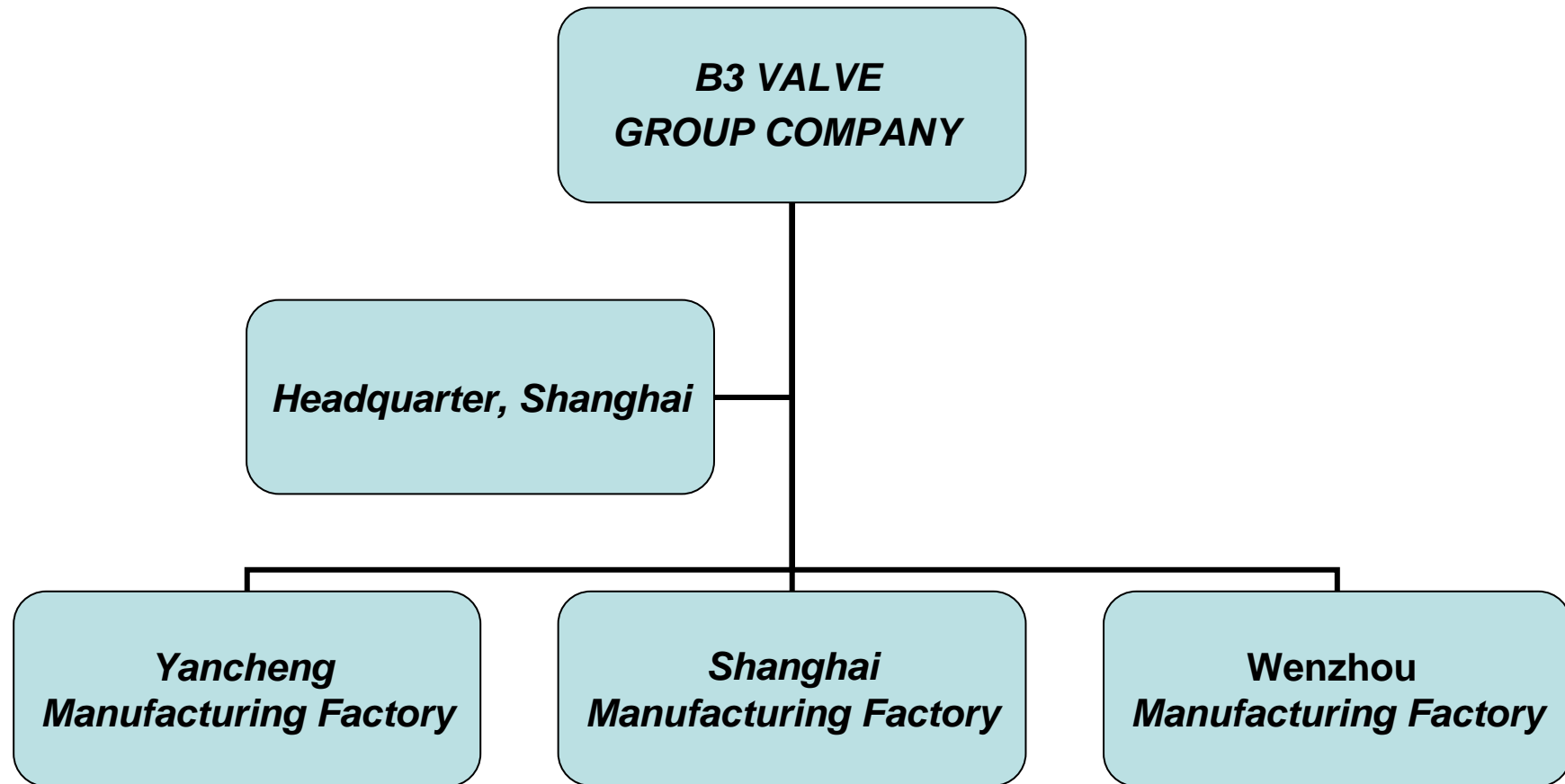
- B3 Valve Group Company has 3 factories, Shanghai factory, Yancheng factory and Wenzhou factory, all are specialized in manufacturing different valves products, such as Gate, Globe and Check, ball, butterfly and Plug Valves.
- All products conform to standards as API, ANSI, ASTM, NACE, ISO, EN, BS, DIN, MSS SP, etc. and are widely used for Oil & Gas, Offshore platform, Refinery, Chemical and Petrochemical, Power Generation, Water and Waste Water Treatment industries.



[Back to content](#)



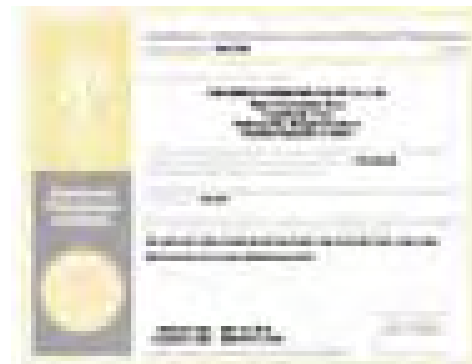
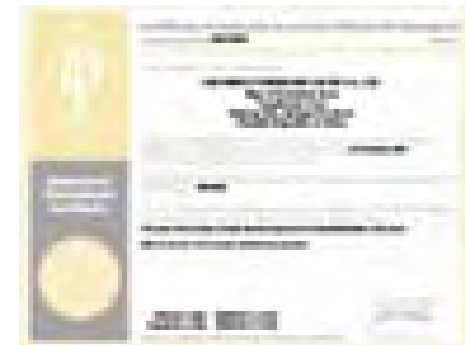
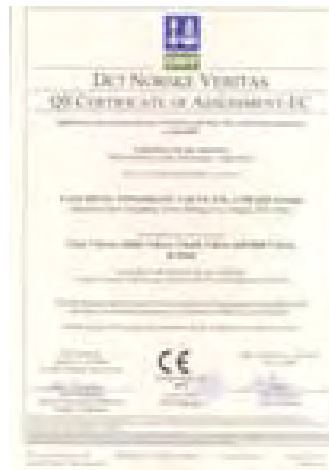
## ***Company View***



## Company View

- B3 Valve Group Company has implemented strict quality assurance system based on international standards. Both manufacturing plants are audited and approved by famous inspection companies like DNV, and certified by ISO9001:2000, PED/CE, API 600, API6D.
- API 600
- API 6D
- ISO 9001: 2000
- PED/CE
- Other certificates from end users

[Back to content](#)



## *Innovative Technology*

- With high educated and well trained engineers, using the latest CAD & CAM system, three dimensional system and limited elementary analysis, B3 Valve Group Company keeps developing innovative designs and products, such as fully welded underground ball valves, forged one piece body top entry ball valves, high temperature metal to metal seat ball valves, etc.
- B3 Valve Group Company supplies the customers not only commodity valves with high quality, but also full package project valves with technical solutions and value added service.

[Back to content](#)





## ***Advanced Manufacturing***

- Modern numeric control machining equipment to achieve the high quality of valve internal.
- Massive pressure testing facilities are used to guarantee the sealing performance of each valve.
- Automatic welding equipment, ultrasonic cleaning equipment and automatic painting system to improve the visual looking of the valves. We are producing “beautiful” valves.

[Back to content](#)



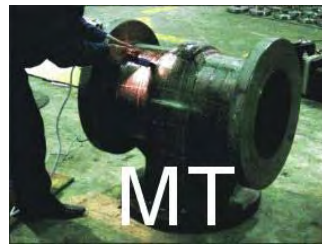
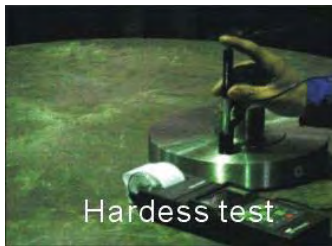


## Quality Control



- On every procedure from raw material input to the final valve out, we have intensive quality inspection and quality control. Non-Destructive tests such as Ultrasonic test, Magnetic Particle test, Dye-penetrant test, Radiographic test are widely used. All valves and materials have good traceability.
- With the rapid expansion of production capacity and the continuous optimization of workflow as well as quality management system, B3 Valve Group Company is ushering in a new round of development opportunities.

[Back to content](#)



## Quality Control



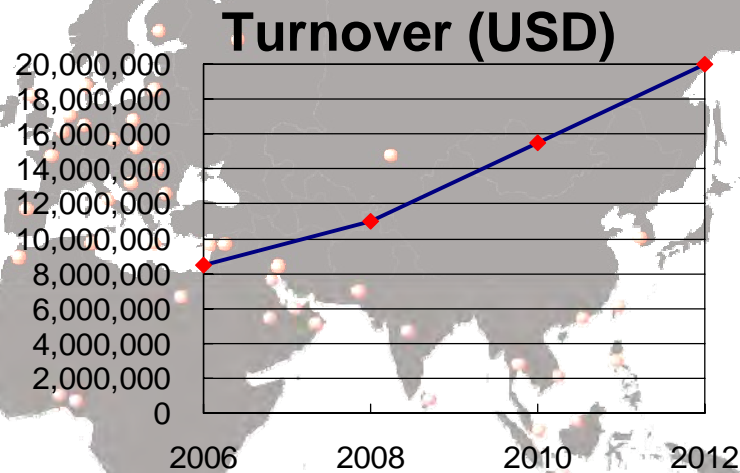
- B3 Valve Group Company has performed the “Total Quality Management (TQM)” to ensure 100% satisfaction of our customer.
- We keep all the details and documents in procedure for each valves in the QA&QC brochure, which is strictly conformed to ISO9001 quality control system,
- Our principle on QA & QC ensure us to avoid and detect any quality problems in design and manufacturing.
- The third party inspection after production are welcome.

[Back to content](#)

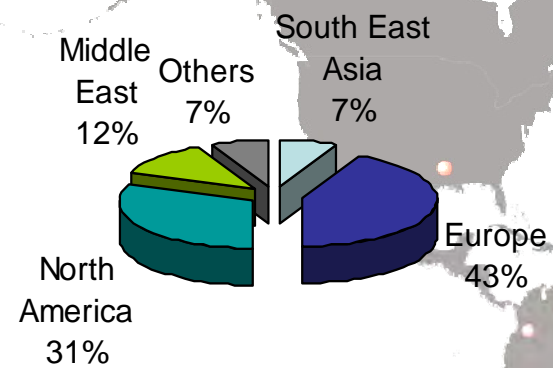


## *International Marketing*

- B3 valves of B3 Valve Group Company are exported to more than 50 countries and areas.



### **Contribution to Turnover**





## International Marketing

### VIP Customers

#### Electrical Power

- ALSTOM POWER
- UHDE
- NEM
- BABCOCK BORSIG
- REUNIDAS
- ABB
- WHEELER
- STONE & WEBSTER
- GE
- HP VALVES
- ZOSEN
- SAMSUNG
- TEHCNIP
- TECNIMONT

#### Oil & Chemical

- REPSOL-YPF
- PEMEX
- PDVSA
- ONGC
- STA TOIL
- NIOC / NIGC
- EXXON MOBIL
- PER TAMINA
- TEXACO
- SASOL
- KNPC / KOC
- BP
- BASF
- DOW CHEMICAL
- SONATRACH

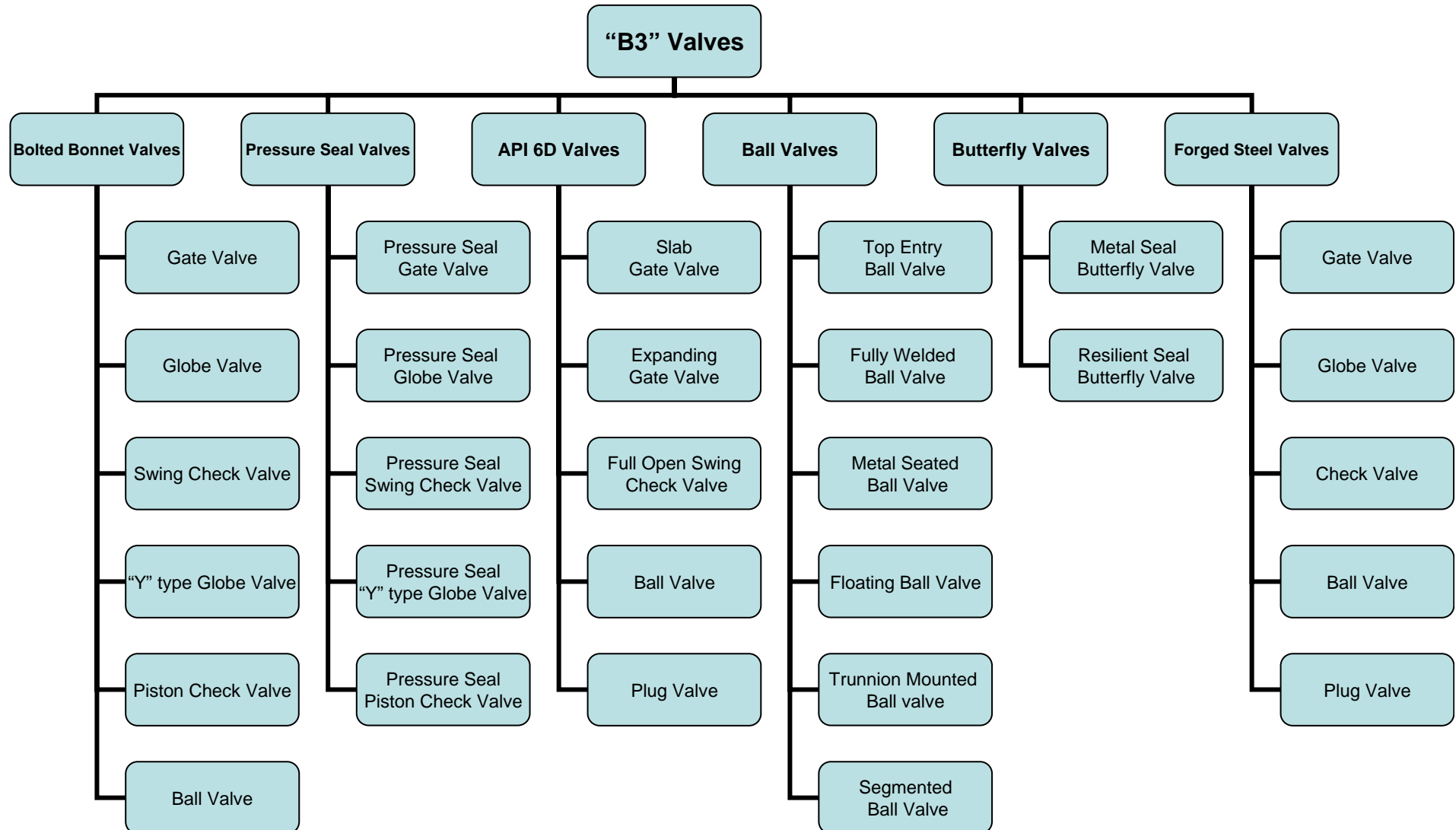
#### Engineering Project

- INTECSA -
- INITEC
- TECNICAS
- FOSTER
- JGC
- CHIYODA
- CHIYODA
- HITACHI
- TOYO
- MHI
- LG
- LURGI
- BECHTEL
- LARSEN & TO UBRO
- LINDE
- SIEMENS
- EIL
- TECHNIP

[Back to content](#)



## Products



*Main Material  
for our valves & parts*

ASTM MATERIAL	CHEMICAL ANALYSIS %								MECHANICAL PROPERTIES				CAST STEEL FOR GENERAL USE
	C MAX.	Mn	P MAX.	S MAX.	Si MAX.	Cr	Mo	Ni	R kg/mm <sup>2</sup>	S kg/mm <sup>2</sup>	A %	Z %	
A 216-WCB	0.3	max. 1	0.04	0.045	0.6	0.5	0.2	0.5	49.2-66.7	25.4	22	35	CARBON AND ALLOY STEELS FOR LOW TEMPERATURE SERVICES
A 216-WCC	0.25	max. 1.2	0.04	0.045	0.6	0.5	0.2	0.5	49.2-66.7	28	22	35	
A 352-LCA	0.25	max. 0.7	0.04	0.045	0.6	0.5	0.2	0.5	49.2-59.7	21	24	35	
A 352-LCB	0.3	max. 1	0.04	0.045	0.6	0.5	0.2	0.5	45.7-63.2	24.6	24	35	
A 352-LCC	0.25	max. 1.2	0.04	0.045	0.6	0.5	0.2	0.5	49.2-66.8	28	22	35	
A 352-LC1	0.25	0.5-0.8	0.04	0.045	0.6	-	0.45-0.65	-	45.7-63.2	24.6	24	35	
A 352-LC2	0.25	0.5-0.8	0.04	0.045	0.6	-	-	23	49.2-66.8	28	24	35	
A 352-LC4	0.15	0.5-0.8	0.04	0.045	0.6	-	-	45	49.2-66.8	28	24	35	
A 352-LC9	0.13	0.9	0.04	0.045	0.45	0.5	0.2	8.5-10	59.8	52.7	20	30	
A 217-WC1	0.25	0.5-0.8	0.04	0.045	0.6	0.5-0.8	0.45-0.65	-	45.7-63.2	24.6	24	35	ALLOY STEELS FOR HIGH TEMPERATURE SERVICES
A 217-WC4	0.05-0.2	0.5-0.8	0.04	0.045	0.6	0.5-0.9	0.45-0.65	0.7-1.1	49.2-66.8	28	20	35	
A 217-WC5	0.05-0.2	0.4-0.7	0.04	0.045	0.6	1.0-1.5	0.9-1.2	0.6-1	49.2-66.8	28	20	35	
A 217-WC6	0.05-0.2	0.5-0.8	0.04	0.045	0.6	2.0-2.75	0.45-0.65	-	49.2-66.8	28	20	35	
A 217-WC9	0.05-0.18	0.4-0.7	0.04	0.045	0.6	1-1.5	0.9-1.2	-	49.2-66.8	28	20	35	
A 217-WC11	0.15-0.21	0.5-0.8	0.02	0.015	0.3-0.8	1-1.5	0.45-0.65	-	56.2-73.8	35	18	45	
A 217-C5	0.20	0.4-0.7	0.04	0.045	0.75	4-6.5	0.45-0.65	-	83.3-80.8	42.2	18	35	
A 217-C12	0.20	0.35-0.65	0.04	0.045	1	8-10	0.9-1.2	-	63.3-80.8	42.2	18	35	
A 217-CA15	0.15	1.00	0.04	0.04	1.5	11.5-14	0.5	1	63.3-80.8	45.7	18	30	STAINLESS STEELS FOR CORROSIVE, LOW AND HIGH TEMPERATURE SERVICES
A 182-F6a	0.15	1.00	0.04	0.03	1	11.5-13.5	-	0.5	59.7	38.6	18	35	
A 351-CF3	0.03	1.50	0.04	0.04	2.00	17-21	0.5	8-12	49.2	21	35	-	
A 351-CF8	0.08	1.50	0.04	0.04	2.00	18-21	0.5	8-11	49.2	21	35	-	
A 351-CF3M	0.03	1.50	0.04	0.04	1.5	17-21	2-3	9-13	49.2	21	30	-	
A 351-CF8M	0.08	1.50	0.04	0.04	1.5	18-21	2-3	9-12	49.2	21	30	-	
A 351-CF8C	0.08	1.50	0.04	0.04	2	18-21	0.5	9-12	49.2	21	30	-	
A 182-F304	0.08	2	0.045	0.03	1	18-20	-	8-11	52.7	21	30	50	
A 182-F304L	0.035	2	0.045	0.03	1	18-20	-	8-13	49.2	17.5	30	50	
A 182-F316	0.08	2	0.045	0.03	1	16-18	2-3	10-14	52.7	21	30	50	HIGHLY ALLOYED CORROSIVE RESISTANCE
A 182-F316L	0.035	2	0.045	0.03	1	16-18	2-3	10-15	49.2	17.5	30	50	
A 182-F321	0.08	2	0.045	0.03	1	17 min.	-	9-12	52.7	21	30	50	
A 182-F347	0.08	2	0.045	0.03	1	17-20	-	9-13	52.7	21	30	50	
A 351-CN7M (Alloy 20)	0.07	1.5	0.04	0.04	1.5	2-3	27.5-30.5	27.5-30.5	43.5	17.6	35	-	
A 351-CD 4MCu (Duplex)	0.04	1	0.04	0.04	1	17.5-22.5	4.75-6	4.75-6	70.3	49.2	16	-	NI-RESIST
A 494-NI-12MV (Hastelloy-B)	0.12	1	0.04	0.03	1	26-30	-	-	53.4	28	6	-	
A 494-CW-12MV (Hastelloy-C)	0.12	1	0.04	0.03	1	16-18	-	-	50.6	28	4	-	
A 494-M-35-1 (Monel)	0.35	1.5	0.03	0.03	1.25	-	-	-	45.7	17.6	25	-	
ASTM A 439-D-2C	2.9	1.8-2.4	0.08	-	1-3	0.5 max	-	21-24	40.7	19.7	20	-	STELLITE
AWS A5.13 ECoCr-A	0.7-1.4	2	Fe5	W3-6	2	25-32	1	3	Co - remainder	W - 3-6	-	-	

[Back to content](#)

## *Products*

- **Cast Steel Gate Valve**



**Size: 2" ~ 60";  
Class: 150 ~ 2500;  
OS&Y, Rising Stem  
Bolted Bonnet  
Flexible Wedge  
By Pass (On Request)  
Locking Device (On Request)  
Extended Bonnet for Cryogenic Service (On Request)**

[Back to content](#)

## *Products*

- **API 6D Through Conduit Slab and Expanding Gate Valves**



**Size: 2" ~ 60";**

**Class: 150 ~ 1500;**

**Slab or Expanding type**

**Diversion hole type or non diversion hole**

[Back to content](#)



## *Products*

- **Pressure Seal Gate Valve**



**Size: 2" ~ 60";**

**Class: 600 ~ 2500;**

**OS&Y, Rising Stem**

**Pressure Sealed Bonnet**

**Flexible Wedge**

**By Pass (On Request)**

**Locking Device (On Request)**

**Extended Bonnet for Cryogenic Service (On Request)**

[Back to content](#)

## *Products*

- **Cast Steel Globe Valve**



**Size: 2" ~ 36";**

**Class: 150 ~ 1500;**

**OS&Y, Rising Stem**

**Bolted Bonnet**

**Impact Handwheel (On Request)**

**Locking Device (On Request)**

**Extended Bonnet for Cryogenic Service (On Request)**

[Back to content](#)

## *Products*

- **Pressure Seal Globe Valve**



**Size: 2" ~ 24";**

**Class: 600 ~ 2500;**

**Pressure Sealed Bonnet**

**Impact Handwheel (On Request)**

**Locking Device (On Request)**

**Extended Bonnet for Cryogenic Service (On Request)**

[Back to content](#)



## *Products*

- **Cast Steel Swing Check Valve**



**Size: 2" ~ 36"**

**Class: 150 ~ 1500**

**Bolted Cover**

**Swing Disc Type**

**Internal or External Hinge Pin**

**Lever & Weight (On Request)**

[Back to content](#)



## *Products*

- **Pressure Seal Swing Check Valve**



**Size: 2" ~ 36";**

**Class: 600 ~ 2500;**

**Pressure Sealed Bonnet**

**Absolute Bonnet Joint Leak Proof**

**Stellited Sealing Surface**

**Swing Type Disc Design**

[Back to content](#)

## *Products*

- Wafer Check Valve



**Size: 2" ~ 36"**

**Class: 150 ~ 1500**

**Dual Plate or Single Plate**

**Wafer Type or Lugged Type**

**Available With Flange Ends**

**API594 Standard**

[Back to content](#)

## *Products*

- Bellow Seal Gate & Globe Valve



**Size: 2" ~ 24";**  
**Class: 150 ~ 300;**  
**Stellite Sealing Face**  
**Special treatment to the stem**  
**Double sealing structure**

[Back to content](#)



## Products

- Forged Gate, Globe & Check Valve



**Size: 1/2" ~ 3";**

**Class: 150 ~ 2500;**

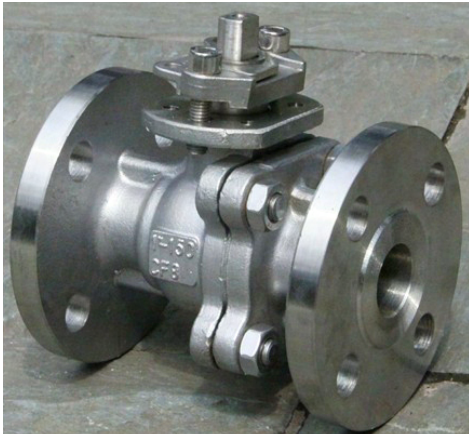
**Bolted Bonnet, Welded Bonnet, or Pressure Sealed Bonnet  
Flanged, Butt-Welded, Socket Welded, or Threaded Ends**

[Back to content](#)



## *Products*

- **Floating Ball Valve**



**Size: 1/2" ~ 12"**

**Class: 150 ~ 600**

**Floating Ball, Full & Reduced Bore**

**Anti-Static Device**

**Blow-out Proof Stem**

**Fire Safe Design**

**Optional Locking Device**

**ISO 5211 Top Flange**

[Back to content](#)

## *Products*

- **Trunnion Mounted Ball Valve**



**Size: 2" ~ 30"**

**Class: 150 ~ 1500**

**Trunnion Mounted Ball, Full & Reduced Bore**

**Anti-Static Device**

**Blow-out Proof Stem**

**Double Block & Bleed**

**Fire Safe Design**

**Emergency Sealant Injection**

**ISO 5211 Top Flange**

[Back to content](#)



## *Products*

- **Metal Seated Ball Valve**



**Size: 2" ~ 24"**

**Class: 150 ~ 1500**

**Metal to Metal Seat**

**Floating & Trunnion Mounted Ball**

**Anti-Static Device**

**Blow-out Proof Stem**

**High Temperature Service**

**Leakage Rate Class IV**

**ISO 5211 Top Flange**

[Back to content](#)

## *Products*

- Segmented Ball Valve



**Size: 2" ~ 36"**

**Class: 150 ~ 600**

**Metal to Metal Seat**

**Trunnion Mounted Ball**

**Leakage Rate Class IV**

**ISO 5211 Top Flange**

[Back to content](#)



## *Products*

- **Top Entry Trunnion Mounted Ball Valve**



**Size: 2" ~ 30"**

**Class: 150 ~ 900**

**Top Entry, One Piece Body**

**Trunnion Mounted Ball, Full & Reduced Bore**

**Anti-Static Device**

**Blow-out Proof Stem**

**Fire Safe Design**

**Emergency Sealant Injection**

**ISO 5211 Top Flange**

[Back to content](#)

## *Products*

- Fully Welded Ball Valve



**Size: 2" ~ 36"**

**Class: 150 ~ 2500**

**Fully Welded Forged Steel Body**

**Trunnion Mounted Ball, Full & Reduced Bore**

**Anti-Static Device**

**Blow-out Proof Stem**

**Self Relieving Seat**

**Double Block and Bleed**

**Fire Safe Design**

**Butt Weld End or Flanged End**

**Extended Stem for Underground Use (On Request)**



[Back to content](#)

## *Products*

- Resilient Seated Butterfly Valve



**Size: 2" ~ 60"**

**Class: 150 ~ 600**

**Wafer, Wafer-Lug or Double Flange Ends**

**Concentric/ Double Eccentric Disc**

**EPDM, NBR, PTFE, or VITON Seat**

**Blow-out Proof Shaft**

**Low Torque, Long Life Cycle**

**ISO 5211 Top Flange**

[Back to content](#)



## *Products*

- **Metal Seated Butterfly Valve**



**Size: 2" ~60"**

**Class: 150 ~600**

**Wafer, Wafer-Lug or Double Flange Ends**

**Triple Off-Set/ Double Eccentric Disc**

**Metal to Metal Seated**

**Blow-out Proof Shaft**

**ISO 5211 Top Flange**

[Back to content](#)



## *Products*

- Sleeve Type Soft Sealing Plug Valve



**Size: 1/2" ~14"**

**Class: 150 ~ 900**

**Sleeve Type Soft Sealing  
ISO 5211 Top Flange**

[Back to content](#)

## *Products*

- Lubricated Plug Valve



**Size: 1/2" ~14"**  
**Class: 150 ~ 1500**  
**Lubricated Type**  
**ISO 5211 Top Flange**

[Back to content](#)

## ***Products***

- **Flanges, Pipes and Fittings, etc**

B3 Valve Group Company also supplies flanges, pipes and fittings for our customers, as a packaged service for a whole project.

- **Flanges:** Weld Neck Flange (WN), Long Welding Neck Flange (LWN), Lap Joint Flange (LJ), Blind Flange / Blank Flange (BL), Slip On Flange (SO), Thread Flange (THR), Socket Weld Flange (SW), Reducing Flange, Orifice Flange, Anchor Flange, Spectacle Blind Flange, Spacer Ring/Spade Flange, etc .
  - **Fittings:** Elbow, Tee, Cross, Union, Half Coupling, Full Coupling, Reducing Coupling, Cap, Boss, Hex. Head Busing, Hex. Nipple, Swage Nipple, Plug, Weldolet, Socketolet, Thredolet, Elbowolet, etc.
  - **Pipes:** API Steel Pipes, Black Steel Pipes, Carbon Steel Pipes, ERW Steel Pipes, LSAW Steel Pipes, Seamless Steel Pipes, Spiral Steel Pipes, Seamless Steel Pipes, Square Pipes, etc.
  - **Steel Coil & Plates, Bars, and Other products.**
- [Back to content](#)

[Back to content](#)





## ***Advertise for Agency***

We believe that the combination of our support and your market expansion will acquire great benefits for both of us!





## Contact us

- Website: [www.b3valve.com](http://www.b3valve.com)
- Email: [marketing@b3valve.com](mailto:marketing@b3valve.com)
- Tel: 0086-21-61559289
- Fax: 0086-21-51686719
- 24 Hour Hotline: 0086-18616371395
- HQ: No.75, Lane 694, Yangnan Road, Shanghai, China
- Manufacturing plant Add:
  1. Shanghai Manufacturing Factory
  2. Yancheng Manufacturing Factory
  3. Wenzhou Manufacturing Factory

[Back to content](#)



Valve Enquiry - Compose

Message Edit View Insert Format Options

Send Save draft Check Address

To:

CC:

Subject:

Attachment: Enquiry E2013-9643-AS.xlsx(14KB)

Calibri B I U T A ab

Dear Sir / Madam,

Refer to attached enquiry for the details of required



## ***B3 VALVE GROUP COMPANY***

***Thanks!***

- The aim of B3 Valve Group Company is to produce “zero defect” and “long reliable service life” valves to minimize the “Total Ownership Costs” for all the customers, EPCs and end users.
- With strict scientific quality control and management system, B3 Valve Group Company is willing and able to sincerely serve for the global energy industry and to establish a sustainable new world.
- **We focus on quality and delivery**, and devote to providing **Best Quality, Best Delivery, Best Price, Best Service** for our customers. And we hope to be your partner!



[Back to content](#)