

[www.katavalvegroup.com](http://www.katavalvegroup.com)

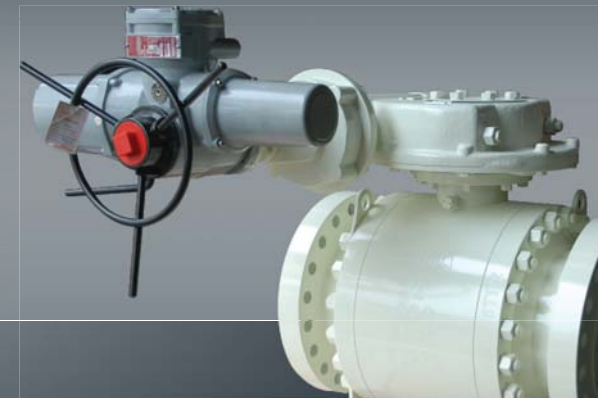
**KATA**  
KAITAI VALVE GROUP SINCE 1989

**KAITAI VALVE GROUP**

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# KAITAI VALVE GROUP

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## About<sup>+</sup> Kaitai Valve Group

Kaitai Valve Group is headquartered at Baoshan City Industrial Zone, Shanghai China, occupying over 35 thousands square meters and will be looking at other expansions in the near future. The registration capital of the whole Group comes to RMB 113.21 Millions. Also it is one of high-tech enterprises in Shanghai, a member of the Association of China General Machinery, and a regular supplier to China Petroleum & Natural Gas Corp, China Petrochemical, China Power, and China Sea oil etc.



With an experience of about 30 years in manufacturing all kinds of valves, Kaitai specializes in designing, making and marketing valves for all industries. Its products range from Ball, Butterfly, Gate, Globe, Check, Plug valves to Marine valves and other valves; nominal size from 1/2" to 48" (DN15 to DN 1200) nominal pressure from 150Lb to 2500Lb (PN1.0Mpa to PN42.0Mpa); materials cover WCB, WCC, WC6, WC9, CF8, CF3, CF3MLCB, LCC, A105, 304, 316, 304L, 316L, F11 F22, LF2, F51, etc. The products are widely used in the fields of petroleum, chemical metallurgy, power, fuel gas, city pipeline networks and so on. Certificated with ISO9001, API6D, CE/PED. Kaitai has developed excellent quality control and management system.

Kaitai has a series of modern machines and equipments such as vertical lathes, drill press, milling lathe, grinding machine, other general machine tools and physical & chemical analysis & experiment devices. Also it has developed a well-trained and dedicated team including engineers, technicians and other employees. This allows us to offer customers quality products, competitive prices and prompt deliveries. We always work hard to improve our existing products and pursue new ideas and ways to stay ahead of the ever changing market.



## Researching<sup>+</sup> Development Team

We fully understand that technological advancement is the only way for an enterprise to stay ahead of its competitors. At Kaitai, we put great amount of efforts into R & D. We have built a strong team of Sr. engineers and technicians. We have close relationships and strategic partnership with a few well known universities and valve search institutions to develop new products and gain technological breakthroughs.

As a result, Kaitai has accumulated many patterned products over the years that are highly praised by our customers. Kaitai will keep staying at the frontier of innovation and R&D as its lifeline for a better tomorrow!







## Workshop<sup>+</sup> & Equipment

Kaitai has acquired a series of modern machines and equipments such as vertical lathes, drill press, milling lathe, grinding machines, CNCs, other general machine tools and physical and chemical analysis and experiment devices. Only recently, Kaitai has made another round of investment to build a brand new workshop and added many state of art machines and equipments to improve our quality and expand our manufacturing capacity.







## Quality Supervision Inspection Process Under Accurate Control

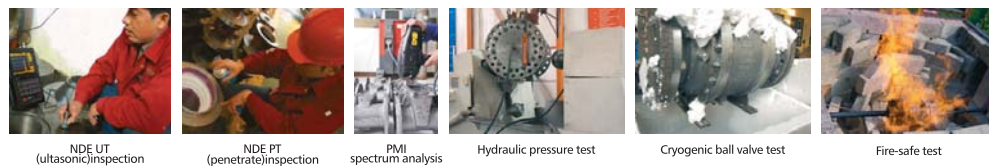
With a highly dedicated management team and strict executions of production procedures and management system, Kaitai's products have good reputations. Kaitai controls its products right from its very source. Advanced material and inventory management systems also enable Kaitai to produce excellent products and timely deliveries.



## Workshop<sup>+</sup> & Equipment

Kaitai has acquired a series of modern machines and equipments such as vertical lathes, drill press, milling lathe, grinding machines, CNCs, other general machine tools and physical and chemical analysis and experiment devices. Only recently, Kaitai has made another round of investment to build a brand new workshop and added many state of art machines and equipments to improve our quality and expand our manufacturing capacity.





## Certification<sup>+</sup>





**A'**  
Gate valve series



**B'**  
Ball valve series



**C'**  
Globe valve series



**D'**  
Check valve series



**E'**  
Butterfly valve series



**F'**  
Other valve series



**GATE VALVE**



**Size:** NPS 1/2"~56"  
**Pressure Rating:** Class 150~2500  
**Material:** WCB, LCB, WC6, WC9, C12, C5, CF8, CF8M, CF3, CF3M  
**Temperature:** -29~540℃  
**Design & Manufacturing Standard:** API 600, BS1414, ASME B16.34  
**Face to Face:** ASME B16.10, BSEN 558  
**End connection:** ASME B16.5, ASME B16.47, BSEN 1092  
**Test and Inspection:** ISO5208, API 600, BS6755  
**Structure type:** OS & Y, Bolted bonnet, single wedge  
**Operation Method:** Manual, Electric Actuator, Pneumatic Actuator

**SLAB GATE VALVE**



**Size:** NPS 2"~48"  
**Pressure Rating:** Class 150~1500Lb  
**Material:** WCB, LCB, CF8, CF8M, CF3, CF3M  
**Design & Manufacturing Standard:** ASME B16.34, API 6D  
**Face to Face:** ASME B16.10, BSEN 588, API 6D  
**End connection:** ASME B16.5, ASME B16.47, BSEN 1092  
**Test standard:** ISO5208, API 6D, BSEN 12266  
**Structure type:** Single Gate with/without through conduit, Double Gate with/without through conduit  
**Operation method:** Manual, Worm Gear, Electric Actuator, Pneumatic Actuator

**PRESSURE SEAL GATE VALVE**



**Size:** NPS 2"~24"  
**Pressure Rating:** Class 600Lb~2500Lb  
**Material:** WCB, WCC, WC6, WC9, C5, C12, LCB, LCC, CF8, CF8M, CF3, CF3M, CN7M, CF8C  
**Design & Manufacturing Standard:** API 600, BS1414  
**Face to Face:** ASME B16.10, EN558  
**Flanged Dimension:** ASME B16.5  
**Butt Weld Dimension:** ASME B16.25  
**Pressure Temperature:** ASME B16.34  
**Test and Inspection:** API 598  
**Operation Method:** Manual, Bore, Electric Actuator, Pneumatic Actuator, Hydraulic Actuator



### FLOATING BALL VALVE

**Size:** NPS1/2"~12"  
**Pressure Rating:** Class 150~1500  
**Material:** WCB,LCB,CF8,CF8M,CF3,CF3M,A105,LF2,F304,F316,F304L,F316L  
**Design & Manufacturing Standard:** API 608,API 6D,BS 5351,ASME B 16.34  
**Face to Face:** ASME B16.10,API 6D,BSN 558  
**End Connection:** ASME B16.5,BSEN 1092  
**Test and Inspection:** ISO5208,API 6D,BSEN 12266  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator



### FULLY WELDED BALL VALVE (UNDERGROUND)

**Size:** NPS2"~48"  
**Pressure Rating:** Class 150~1500  
**Material:** A105,LF2,F304,F316,F304L,F316L  
**Design & Manufacturing Standard:** API 608,API 6D,BS 5351,ASME B 16.34  
**Face to Face:** ASME B16.10,API 6D,DIN 3202  
**End Connection:** ASME B16.5,DIN2543-2550,ASME 16.25  
**Test and Inspection:** ISO5208,API 6D,BS6755  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator



### TRUNNION MOUNTED BALL VALVE

**Size:** NPS2"~56"  
**Pressure Rating:** Class 150~2500  
**Material:** WCB,LCB,CF8,CF8M,CF3,CF3M,A105,LF2,F304,F316,F304L,F316L  
**Design & Manufacturing Standard:** API 608,API 6D,BS 5351,ASME B 16.34  
**Face to Face:** ASME B16.10,API 6D  
**End Connection:** ASME B16.5,ASME B16.47,ASME B16.25  
**Test and Inspection:** ISO5208,API 6D  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator



### SMALL SIZE BALL VALVE

**Size:** NPS1/2"~2"  
**Pressure Rating:** Class800,Class1500  
**Material:** WCB,CF8,CF8M,CF3,CF3M,A105,F304,F316  
**Design & Manufacturing Standard:** ASME B 16.34,API608  
**Face to Face:** Manufacturing Standard  
**End Connection:** ASME B16.25,ASME B1.20.1,ASME B16.11,ASME B16.5  
**Test and Inspection:** ISO5208,API 6D  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator



### TOP ENTRY BALL VALVE

**Size:** NPS2"~24"  
**Pressure Rating:** Class 150~2500  
**Material:** WCB,LCB,CF8,CF8M,CF3,CF3M,A105,LF2,F304,F316,F304L,F316L  
**Design & Manufacturing Standard:** API 608,API 6D,BS 5351,ASME B 16.34  
**Face to Face:** ASME B16.10,API 6D  
**End Connection:** ASME B16.5,ASME B16.47,ASME B16.25  
**Test and Inspection:** ISO5208,API 6D  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator



### THREE WAY BALL VALVE (L PORT/T PORT)

**Size:** 1/2"-8"  
**Pressure Rating:** 150LB-300LB  
**Material:** WCB,LCB,CF8,CF8M,CF3,CF3M  
**Design & Manufacturing Standard:** ISO 17292  
**Face to Face:** Manufacturer Standard  
**End Connection:** DIN 2545, ASME B16.5  
**Test and Inspection:** API 598  
**Operation Method:** Lever, Gear, Pneumatic Actuator, Electrical Actuator



### CRYOGENIC BALL VALVE

**Size:** NPS1/2"~10"  
**Pressure Rating:** Class 150~600  
**Material:** LCB,LCC,CF8,CF8M,CF3,CF3M,CN7M,CF8C,LF2,F304,F304L,F316,F316L  
**Design & Manufacturing Standard:** ASME B16.34,API 6D,API 608,BS 5351,BS 6364  
**Face to Face:** ASME B16.10,API 6D, EN 558  
**Flanged Dimension:** ASME B16.5,(DIN 2501)  
**Butt weld Dimension:** ASME B16.25  
**Pressure Temperature:** ASME B16.34,BS6364  
**Test and Inspection:** API 598,API 6D  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator,Gas Over Oil Actuator



### V TYPE BALL VALVE

**Size:** NPS2"~24"  
**Pressure Rating:** Class 150~1500  
**Material:** WCB,WCB,WC9,C5,C12,CF8,CF8M,CF3,CF3M,CN7M,A105,F22,F9,F5,F304,F316,F304L,F316L,F321,ALLOY-20  
**Design & Manufacturing Standard:** API 6D,ASME B 16.34,API 608,BS5351  
**Face to Face:** ASME B16.10,API 6D,EN 558  
**Flanged Dimension:** ASME B16.5 (DIN 2501)  
**Butt Weld Dimension:** ASME B16.25  
**Pressure-Temperature:** ASME B16.34  
**Test and Inspection:** API 598,API6D  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator,Gas Over Oil Actuator  
 Anti-static design,fire safe design as per API607/6FA



### GLOBE VALVE

**Size:** NPS2"~24"  
**Pressure Rating:** Class 150~1500  
**Material:** 2"-24":WCB,LCB,WCB,WC9,C12,C5,CF8,CF8M,CF3,CF3M  
**Design & Manufacturing Standard:** BS 1873,ASME B16.34  
**Face to Face:** ASME B16.10  
**Flanged Dimension:** ASME B16.5,ASME B16.47,BSEN 1092  
**End Connection:** BSEN 558,ASME B16.5,BSEN1092  
**Test and Inspection:** ISO5208,BS6755  
**Structure type:** Straight type,angle type,throttle type  
**Operation Method:** Manual,Electric Actuator,Pneumatic Actuator



### CRYOGENIC GLOBE VALVE

**Size:** NPS1/2"~12"  
**Pressure Rating:** Class 150Lb~800Lb  
**Material:** LCB,LCC,CF8,CF8M,LC3,LF2,LF3,F304,F316  
**Design & Manufacturing Standard:** BS 1873,ASME B16.34,API 602 BS5352  
**Face to Face:** ASME B16.5 EN558(Threaded and sw as per manufacturer std)  
**Flanged Dimension:** ASME B16.5,(BSEN 1092)  
**Butt Weld Dimension:** ASME B16.25  
**Threaded end Dimension:** ASME B1.20.1  
**Socketweld Dimension:** ASME B16.11  
**Pressure Temperature:** ASME B16.34  
**Test and Inspection:** API 598,BS 6364  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator,Hydraulic Actuator



### ECCENTRIC HALF BALL VALVE

**Size:** NPS2"~56"  
**Pressure Rating:** Class 150~2500  
**Material:** WCB,LCB,CF8,CF8M,CF3,CF3M,A105,LF2,F304,F316,F304L,F316L  
**Design & Manufacturing Standard:** API 608,API 6D,BS 5351,ASME B 16.34  
**Face to Face:** ASME B16.10,API 6D  
**End Connection:** ASME B16.5,ASME B16.47,ASME B16.25  
**Test and Inspection:** ISO5208,API 6D  
**Operation Method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator



### BELLOW SEAL GLOBE VALVE

**Size:** NPS2"~12"  
**Pressure Rating:** Class 150~600Lb  
**Material:** WCB,WCA,WCC,WC6,WC9,C5,C12,LCB,LCC,CF8,CF8M,CF3,CF3M,CN7M,CF8C  
**Design & Manufacturing Standard:** ASME B16.34  
**Face to Face:** ASME B16.10,EN588,(DIN 3202)  
**Flanged Dimension:** ASME B16.5,(DIN 2501)  
**Butt Weld Dimension:** ASME B16.25  
**Pressure Temperature:** ASME B16.34  
**Test and Inspection:** API 598  
**Operation Method:** Manual,Electric Actuator,Pneumatic Actuator,Hydraulic Actuator





### CHECK VALVE

**Size:** NPS 2"~36"  
**Pressure Rating:** Class 150~2500  
**Material:** 2"~36": WCB, LCB, WC6, WC9, C5, C12, CF8, CF8M, CF3, CF3M  
**Design & Manufacturing Standard:** API 600, BS1868, ASME B16.34  
**Face to Face:** ASME B16.10, API 6D BS EN 558  
**End connection:** ASME B16.5, ASME B16.47, ASME B1.20.1 ASME B16.11, DIN 2453~2551, ASME B16.25  
**Test and Inspection:** ISO5208, API600, BS6755  
**Operation Method:** Swing Type, Lifting Type



### PRESSURE SEAL SWING CHECK VALVE

**Size:** NPS 2"~36"  
**Pressure Rating:** Class 900~2500Lb  
**Material:** WCB, WCA, WCC, WC6, WC9, C5, C12, LCB, LCC, CF8, CF8M, CF3, CF3M, CN7M, CF8C  
**Design & Manufacturing Standard:** BS1868, ASME B16.34, API 6D  
**Face to Face:** ASME B16.10, API 6D, EN 588(DIN 3202)  
**Flanged dimension:** ASME B16.15, ASME B16.47, (DIN 2501)  
**Butt weld dimensions:** ASME B16.25  
**Pressure-temperature:** ASME B16.34  
**Test and Inspection:** BS 12266, API598



### WAFER CHECK VALVE

**Size:** NPS 2"~40"  
**Pressure Rating:** Class 150~1500Lb  
**Material:** WCB, WCA, WCC, WC6, WC9, C5, C12, LCB, LCC, CF8, CF8M, CF3, CF3M, CN7M, CF8C  
**Design & Manufacturing Standard:** API594, API 6D, ASME B16.34  
**Face to Face:** API 594, API 6D  
**Flanged Dimension:** ASME B16.5, ASME B16.47  
**Test and Inspection:** API 6D, ISO5208



### FLANGE BUTTERFLY VALVE

**Size:** NPS 2"~48"  
**Pressure Rating:** Class 150~300  
**Material:** WCB, WCC, WC6, WC9, C5, C12, LCB, LCC, CF8, CF8M, CF3, CF3M, CN7M, CF8C  
**Design & Manufacturing Standard:** API 609, ASME B16.34, BSEN 593  
**Face to Face:** NPS ≤ 24" as per API 609 NPS > 24" as per BSEN 558  
**Flanged Dimension:** ASME B16.5, ASME B16.47, BSEN 1092  
**Pressure-Temperature:** ASME B16.34  
**Test and Inspection:** API 598, BSEN 12266  
**Structure Type:** Centerline, Double eccentric  
**Operation Method:** Manual, Worm Gear, Electric Actuator, Pneumatic Actuator, Gas Over Oil Actuator



### LUG TYPE BUTTERFLY VALVE

**Size:** NPS 2"~48"  
**Pressure Rating:** Class 150~300  
**Material:** WCB, WCC, WC6, WC9, C5, C12, LCB, LCC, CF8, CF8M, CF3, CF3M, CN7M, CF8C  
**Design & Manufacturing Standard:** API 609, ASME B16.34, BSEN 593  
**Face to Face:** NPS ≤ 24" as per API 609 NPS > 24" as per BSEN 558  
**Pressure-Temperature:** ASME B16.34  
**Test and Inspection:** API 598, BSEN 12266  
**Structure Type:** Centerline, Double eccentric  
**Operation Method:** Manual, Worm Gear, Electric Actuator, Pneumatic Actuator, Gas Over Oil Actuator



### WAFER BUTTERFLY VALVE

**Size:** NPS 2"~48"  
**Pressure Rating:** Class 150~300  
**Material:** WCB, WCC, WC6, WC9, C5, C12, LCB, LCC, CF8, CF8M, CF3, CF3M, CN7M, CF8C  
**Design & Manufacturing Standard:** API 609, ASME B16.34, BSEN 593  
**Face to Face:** NPS ≤ 24" as per API 609 NPS > 24" as per BSEN 558  
**Pressure-Temperature:** ASME B16.34  
**Test and Inspection:** API 598, BSEN 12266  
**Structure Type:** Centerline, Double eccentric  
**Operation Method:** Manual, Worm Gear, Electric Actuator, Pneumatic Actuator, Gas Over Oil Actuator



### Y TYPE/BASKET TYPE STRAINER

**Size:** NPS2"~36"  
**Pressure Rating:** Class 150~900Lb  
**Material:** WCB,WCA,WCC,WC6,WC9,C5,C12,LCB,LCC,CF8,CF8M,CF3,CF3M,CN7M,CF8C  
**Design & Manufacturing Standard:** ASME B16.34  
**Face to Face:** ASME B16.10,EN 588  
**Flanged:** ASME B16.15,(BSEN 1092)  
**Butt weld Dimensions:** ASME B16.25  
**Pressure-Temperature:** ASME B16.34  
**Test and Inspection:** API598



### SMALL SIZE FORGED STEEL VALVE

**Size:** NPS1/2"~2"  
**Pressure Rating:** Class 150~1500Lb  
**Material:** A105,LF2,F5,F9,F11,F22,F304,F304L,F311,F51  
**Design & Manufacturing Standard:** API602, ASME B16.34,BS 5352  
**Face to Face:** ASME B16.10,EN558(threaded and sw as per manufacturer's std)  
**Flanged Dimension:** ASME B16.5  
**Butt Weld Dimension:** ASME B16.25  
**Thread Connection Dimensions:** ASME B1.20.1  
**Test and Inspection:** API 598  
**Type:** Gate,globe,check



### PLUG VALVE

**Size:** NPS 2"~24"  
**Pressure Rating:** Class 150~1500  
**Material:** WCB,LCB,CF8,CF8M,CF3,CF3M  
**Design & Manufacturing Standard:** ASME B16.34,API 6D,API 599  
**Face to Face:** ASME B16.10,API 6D  
**End connection:** ASME B16.5,ASME B16.25  
**Test standard:** ISO5208,API 6D  
**Structure type:** Short Type,Regular Type,Venturi Type,Full Operation Type  
**Operation method:** Manual,Worm Gear,Electric Actuator,Pneumatic Actuator

### CAST IRON VALVE SERIES

