



HANGZHOU KAIWEI
VALVE GROUP CO.,LTD.

GENERAL VALVE SERIES

Exploring Innovation in the Industrial Fluid Sector



KAIWEI VALVE GROUP



COMPANY PROFILE

Hangzhou Kaiwei Valve Group Co., Ltd., established in 2015, is a cutting-edge industrial enterprise that specializes in the R&D, design, casting, production, and sales of fluid control products and services. Our state-of-the-art facility spans 58 acres with an investment of 100 million RMB, employing a skilled team of 56 technical staff, including 15 senior engineers and 20 engineers, and operates over 150 pieces of precision equipment. This includes advanced CNC machine tools, multi-axis processing centers, high-precision lathes, and top-grade automatic welding machines. Our testing arsenal features material spectrometers, tensile testers, hardness testers, ultrasonic flaw detectors, thickness gauges, metal film analyzers, and a comprehensive physical and chemical analysis lab. Kaiwei has earned numerous certifications including ISO 9001, environmental and occupational health certifications, API, CCS, European PED, DNV, SIL-3, TALUFF, TS-A1, among others.

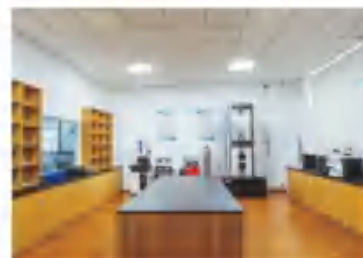
Our valves are pivotal in industries like oil, natural gas, metallurgy, power generation, pharmaceuticals, and petrochemicals. Our expansive product line encompasses 1PC cast steel floating ball valves, 2PC and 3PC cast/forged steel floating and trunnion mounted ball valves, hard seal ball valves, fully welded ball valves, top entry ball valves, cryogenic valves, ceramic valves, three-way ball valves, butterfly valves, gate valves, and globe valves, meeting or exceeding API standards. Our materials range from carbon steel, stainless steel, duplex stainless steel, and alloy steel to high-tech materials like Inconel 625, Monel, alloy 20, titanium, and ceramics. Valve sizes range from 1/2" to 56", with pressure ratings from 150 to 2500 LBS, accommodating various connection types and actuators to meet diverse market demands.

Kaiwei Valve ensures rigorous supply chain control from raw materials to finished products, supported by a comprehensive quality assurance and management system that aligns with international standards. Our operations are enhanced by 6S management, ERP, logistics distribution, warehousing, procurement, accounting, quality standards, employee behavior guidelines, occupational health, and safety, guaranteeing the provision of high-quality valves to our clients.



For a worker to excel in his duties, it is imperative that his tools are first refined. This principle is well understood by the Kaiwei people. Merely possessing competent management, innovative ideas, and skilled talents is insufficient. Advanced equipment is equally crucial to epitomize a corporation's robust capabilities, bolster production capacities, and guarantee the exceptional quality of its offerings.

PRODUCTION WORKSHOP



Quality mirrors our dignity, and exceptional quality stands firmly against mediocrity. Through a meticulously refined and standardized management system, alongside a systematic quality assurance framework, Kaiwei ensures its products flow unimpeded to every corner of the world. Through effective efforts and partnerships with customers, Kaiwei is on its path to becoming a globally recognized brand synonymous with flawlessness.

QUALITY ASSURANCE

Gate Valve

Design Features

- Exhibits low flow resistance for fluids, ensuring efficient operation.
- Requires only a minimal force for opening and closing, enhancing usability.
- No limitation on the flow direction of the medium, allowing for versatile installation.
- Designed with a back-seat structure to enhance safety and integrity.
- Optional pressure seal bonnet type available for high-pressure applications.
- Features an optional solid-wedge type for robust sealing.
- Offers optional non-rising stem structures for compact installation spaces.

Technical Parameter

- Body Material: ASTM A216 WCB, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 2" to 48"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -29°C to +560°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: ASME B16.34, API 600, API 6D, BS 1414
- Inspection and Test: API 598, API 6D, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47, ASME B16.25
- Face to Face: API 6D, ASME B16.10, EN 558
- Fire Safe: API 6FA, ISO 10497



Forged Steel Gate Valve

Design Features

- Forged steel gate valves are constructed from high-quality forged materials.
- The reduced diameter design enhances sealing performance under high pressure and temperature conditions, surpassing that of cast steel valves.
- Ideal for manipulating pipeline media in small diameter pipelines within petroleum, chemical, and thermal power plant environments.
- Selection of specific materials allows for compatibility with various media, including water, steam, oil, etc.

Technical Parameter

- Body Material: ASTM A216 WCB, A105N, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 1/2" to 2"
- Pressure Rating: Class 150 to 2500 LB
- Working Temperature: -40°C to 500°C
- End Connection: Flange type, Threaded type, Socket welding
- Design Standards: ASME B16.34, API 602, API 600, BS 5352, ISO 15761
- Inspection and Test: API 598
- Connection Ends: ASME B16.5, ASME B16.25, ASME B1.20.1, ASME B16.11
- Face to Face: ASME B16.10, EN 558
- Fire Safe: API 6FA, ISO 10497



Pressure Seal Globe Valve

Design Features

- Features full Stellite overlay on the seat sealing surfaces for enhanced durability.
- Engineered for a streamlined manufacturing process and ease of maintenance.
- Designed with a backseat sealing structure for improved safety and reliability.
- Utilizes flexible and woven graphite for packing, ensuring absolute bonnet joint leak-proof performance.
- Offers an optional by-pass design for operational flexibility.

Technical Parameter

- Body Material: ASTM A216 WCB, A105N, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 2" to 24"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -29°C to 593°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: BS 1873, ASME B16.34, API 623, API 602
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47, ASME B16.25
- Face to Face: ASME B16.10, EN 558
- Fire Safety: API 607, ISO 10497



Check Valve

Design Features

- Features a compact and reasonable product structure, ensuring reliable tightness and high performance.
- Designed with a smooth fluid passageway, minimizing fluid resistance.
- Equipped with rapid closing capabilities and flexible actions of the valve disc.
- Minimizes closing impact, reducing the likelihood of water hammer occurrences.

Technical Parameter

- Body Material: ASTM A216 WCB, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 1/2" to 60"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -196°C to 560°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: API 6D, API 594, BS 1868, ASME B16.34, EN 12516
- Inspection and Test: API 598, ISO 5208, API 6D
- Connection Ends: ASME B16.5, ASME B16.47, ASME B16.25, EN 1092
- Face to Face: ASME B16.10, API 6D, API 594, EN 558
- Fire Safety: API 6FD, ISO 10497



Pressure Seal Gate Valve

Design Features

- Features a self-sealing type bonnet for enhanced integrity and safety.
- Engineered to prevent disc wedging phenomena during temperature fluctuations.
- Equipped with full Stellite overlay on the seat sealing surfaces for superior durability.
- Incorporates a full wedge guiding design for reliable operation and sealing.
- Ensures absolute bonnet joint leak-proof performance for maximum reliability.
- Offers an optional by-pass design for operational flexibility and maintenance ease.

Technical Parameter

- Body Material: ASTM A216 WCB, A105N, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 2" to 48"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -29°C to +560°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: ASME B16.34, API 600, BS 1414
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47, ASME B16.25
- Face to Face: ASME B16.10, EN 558
- Fire Safe: API 607, ISO 10497



Globe Valve

Design Features

- Features a single sealing face between the body and disc for streamlined operation.
- Large-sized valves are designed with a main disc and auxiliary disc configuration, facilitating medium flow from the upper disc to the lower disc.
- The valve incorporates a backseat sealing structure for enhanced reliability.
- Utilizes flexible and woven graphite packing for optimal sealing performance.

Technical Parameter

- Body Material: ASTM A216 WCB, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 2" to 24"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -29°C to 593°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: BS 1873, ASME B16.34, API 623, API 602, BS 5352
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47, ASME B16.25
- Face to Face: ASME B16.10, EN 558
- Fire Safety: API 6FA, ISO 10497



Forged Steel Globe Valve

Design Features

- Forged steel globe valves are precision-machined from high-quality forged materials.
- The reduced diameter design enhances sealing efficiency under elevated pressure and temperature conditions, offering superior performance compared to cast steel valves.
- Ideal for regulating or isolating flow in small diameter pipelines within petroleum, chemical, and thermal power plants, among other operational environments.
- A wide selection of materials is available to ensure compatibility with various media, including water, steam, oil, and more.

Technical Parameter

- Body Material: ASTM A216 WCB, A105N, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 1/2" to 16"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -196°C to +560°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: ISO 15761, API 602, BS 5352, ASME B16.34
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.25, ASME B16.11, ASME B1.20.1
- Face to Face: ASME B16.10, EN 558
- Fire Safety: API 6FA, ISO 10497



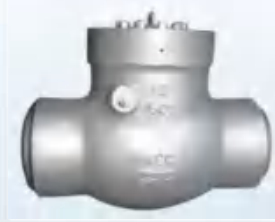
Pressure Seal Check Valve

Design Features

- Designed with a single sealing face between the body and valve disc for streamlined efficiency.
- Features a full Stellite overlay on the seat sealing surface for enhanced durability and sealing performance.
- Optimized for manufacturing processes and ease of maintenance.
- Utilizes a combination of flexible and woven graphite packing for superior sealing integrity.
- Engineered for absolute bonnet joint leak-proof performance, ensuring reliability.
- Offers an optional by-pass design for versatile flow control.
- Optionally equipped with a damping cylinder to dampen valve operation and enhance control.

Technical Parameter

- Body Material: ASTM A216 WCB, A105N, ASTM A351 CF8M, ASTM A352 LCB
- Nominal Diameter: NPS 1/2" to 24"
- Pressure Range: Class 150 to 2500 LB
- Working Temperature: -29°C to 560°C
- End Connection: Raised Face (RF), Ring Type Joint (RTJ), Butt Weld (BW)
- Design Standards: ISO 15761, API 602, BS 5352, ASME B16.34
- Inspection and Test: API 598
- Connection Ends: ASME B16.5, ASME B16.47, ASME B16.25, ASME B16.11
- Face to Face: ASME B16.10, API 6D, EN 558
- Fire Safety: API 607, ISO 10497





HANGZHOU KAIWEI VALVE GROUP CO.,LTD.

Add:12th Floor, Building 3, Shuangcheng International Mansion, Binjiang District, Hangzhou City, Zhejiang Province

Tel:+86-571-88950660 | +86-13695708807

E-mail:christina@kaiweivalve.com

<http://kaiweivalve.com>