



HANGZHOU KAIWEI
VALVE GROUP CO.,LTD.

BUTTERFLYVALVE 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

Wafer Triple Offset Butterfly Valve

Design Features

- Triple offset, bi-directional with reduced pressure in the reverse direction.
- Low emission, blow-out proof stem.
- Fire safety tested design (optional design available).
- Compliant with ISO 5211 for top flange integration.
- Extended service life and low operational torque.
- Utilizes metal & graphite laminated disc sealing; solid metal disc available as an option.

Technical Parameter

- Body Material: ASTM A216 WCB, A351 CF8M, A352 LCB
- Nominal Size: NPS 3" to 56"
- Pressure Range: Class 150 to 1500 LB
- Working Temperature: -196°C to 600°C
- Connection Method: Wafer
- Design Standards: API 609, ASME B16.34
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47
- Face to Face: API 609, ISO 5752
- Fire Safety: API 607, API 6FA



Butt-weld Triple Offset Butterfly Valve

Design Features

- Triple offset, bi-directional (reduced pressure at reversed direction).
- Low emission, blowout-proof stem.
- Fire safe tested design (optional design available).
- ISO 5211 top flange.
- Extended lifespan, low operation torque.
- Metal & graphite laminated disc sealing, with the option for a solid metal disc.

Technical Parameter

- Body Material: ASTM A216 WCB, A352 LCB, A351 CF8M
- Nominal Size: NPS 3" to 56"
- Pressure Range: Class 150 to 1500 LB
- Working Temperature: -196°C to 600°C
- Connection Method: Butt Weld (BW)
- Design Standards: API 609, ASME B16.34
- Inspection and Test: API 598, API 6D
- Connection Ends: ASME B16.5, ASME B16.47
- Face to Face: API 609, ISO 5752
- Fire Safe: API 607, API 6FA



Double Offset Butterfly Valve

Design Features

- Bi-Directional Shutoff Performance.
- Optional Seat Materials: Rubber, PTFE, RPTFE, Fire Safe PTFE.
- Low friction and low operational torque contribute to an extended service life.
- All components are replaceable, allowing for in-line maintenance.
- Eccentric construction of the disc and sealing ring enhances sealing efficiency.
- Equipped with an ISO 5211 Top Flange for standardized actuator mounting.

Technical Parameter

- Body Material: ASTM A216 WCB, A351 CF8/CF8M
- Nominal Size: NPS 3" to 48"
- Pressure Rating: Class 150 to 300 LB
- Working Temperature: -50°C to 350°C
- End Connection: Lug Wafer
- Design Standards: API 609, ASME B16.34
- Inspection and Test: API 598, API 6D
- Connection Ends: ASME B16.5, ASME B16.47
- Face to Face: API 609, ISO 5752, BS 5155
- Fire Safe: API 607, API 6FA



Flange Triple Offset Butterfly Valve

Design Features

- Triple offset and bi-directional functionality, offering reduced pressure at reversed direction.
- Features low emission and a blowout-proof stem for enhanced safety.
- Incorporates a fire safety tested design, with an optional configuration available.
- Equipped with an ISO 5211 top flange for easy actuator mounting.
- Designed for long life duration and low operation torque, ensuring durability and efficiency.
- Offers metal & graphite laminated disc sealing, with a solid metal disc as an optional choice for improved sealing performance.

Technical Parameter

- Body Material: ASTM A216 WCB, A352 LCB, A351 CF8M
- Nominal Size: NPS 3" to 56"
- Pressure Range: Class 150 to 1500 LB
- Working Temperature: -196°C to 600°C
- Connection Method: Raised Face (RF), Ring Type Joint (RTJ)
- Design Standards: API 609, ASME B16.34
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47
- Face to Face: API 609, ISO 5752
- Fire Safety: API 607, API 6FA



Lug Triple Offset Butterfly Valve

Design Features

- Triple offset, bi-directional with reduced pressure in reverse direction.
- Low emission, blowout-proof stem.
- Fire safety tested design, with an optional configuration available.
- ISO 5211 top flange for easy actuator mounting.
- Long lifespan with low operation torque for enhanced efficiency.
- Metal and graphite laminated disc sealing, with the option for a solid metal disc for increased durability.

Technical Parameter

- Body Material: ASTM A216 WCB, A352 LCB, A351 CF8M
- Nominal Size: NPS 3" to 56"
- Pressure Range: Class 150 to 1500 LB
- Working Temperature: -196°C to 600°C
- Connection Method: Lug
- Design Standards: API 609, ASME B16.34
- Inspection and Test: API 598, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47
- Face to Face: API 609, ISO 5752
- Fire Safe: API 607, API 6FA



Flange Double Offset Butterfly Valve

Design Features

- Bi-Directional with Shutoff Performance.
- Optional Seat Materials: Rubber, PTFE, RPTFE, Fire Safe PTFE.
- Low Friction and Low Operation Torque, enhancing the lifespan.
- All Components are Replaceable; In-Line Maintenance is Supported.
- Eccentric Construction of the Disc and Sealing Ring.
- ISO 5211 Top Flange for Standardized Actuator Mounting.

Technical Parameter

- Body Material: ASTM A216 WCB, A351 CF8/CF8M
- Nominal Size: NPS 3" to 48"
- Pressure Rating: Class 150 to 300 LB
- Working Temperature: -50°C to 350°C
- End Connection: Flange
- Design Standards: API 609, ASME B16.34
- Inspection and Test: API 598, API 6D
- Connection Ends: ASME B16.5, ASME B16.47
- Face to Face: API 609, ISO 5752, BS 5155
- Fire Safe: API 607, API 6FA



Flange Concentric Butterfly Valve

Design Features

- Compact dimensions and lightweight design facilitate easy disassembly and repair, allowing for installation in any orientation.
- Features simple and compact construction for quick open-close actions with minimal operational torque.
- Offers excellent bi-directional sealing function, achieving zero leakage in tests.
- Provides superior medium isolation and regulation, with a flow curve that is nearly linear for outstanding regulation performance.
- Minimal retention of media in the pipeline, coupled with strong anti-scouring capabilities, suitable for harsh working environments.

Technical Parameter

- Body Material: ASTM A126B, ASTM A536, ASTM A351 CF8M
- Nominal Size: NPS 2" to 48"
- Pressure Range: Class 150 LB
- Working Temperature: -10°C to 120°C
- End Connection: Flange
- Design Standards: API 609, ISO 10631, EN 593
- Inspection and Test: API 598, EN 12266-1, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47, EN 1092, ISO 7005
- Face to Face: API 609, ASME B16.10, EN 558, ISO 5752
- Fire Safe: API 607, API 6FA



Concentric Butterfly Valve

Design Features

- Small dimensions and lightweight design facilitate easy disassembly and repair, allowing installation in any position.
- Features simple and compact construction, ensuring quick open-close operations with minimal operation torque.
- Provides excellent bi-directional sealing function, achieving zero leakage in tests.
- Offers outstanding medium isolation and regulating functions, with a flow curve that approximates a straight line, leading to superior regulation performance.
- Minimal medium retention in the pipeline, coupled with strong anti-scouring capabilities, making it suitable for harsh working environments.

Technical Parameter

- Body Material: ASTM A126B, ASTM A536, ASTM A351 CF8M
- Nominal Size: NPS 2" to 48"
- Pressure Range: Class 150 LB
- Working Temperature: -10°C to 120°C
- End Connection: Lug, Flange, Wafer
- Design Standards: API 609, ISO 10631, EN 593
- Inspection and Test: API 598, EN 12266-1, ISO 5208
- Connection Ends: ASME B16.5, ASME B16.47, EN 1092, ISO 7005
- Face to Face: API 609, ASME B16.10, EN 558, ISO 5752
- Fire Safe: API 607, API 6FA





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