



## ROBVALVE INDUSTRIAL VALVE



Cryogenic

High Pressure

High Temperature

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## FSK & ROBVALVE

**WWW.FSK-ROBVALVE.COM**

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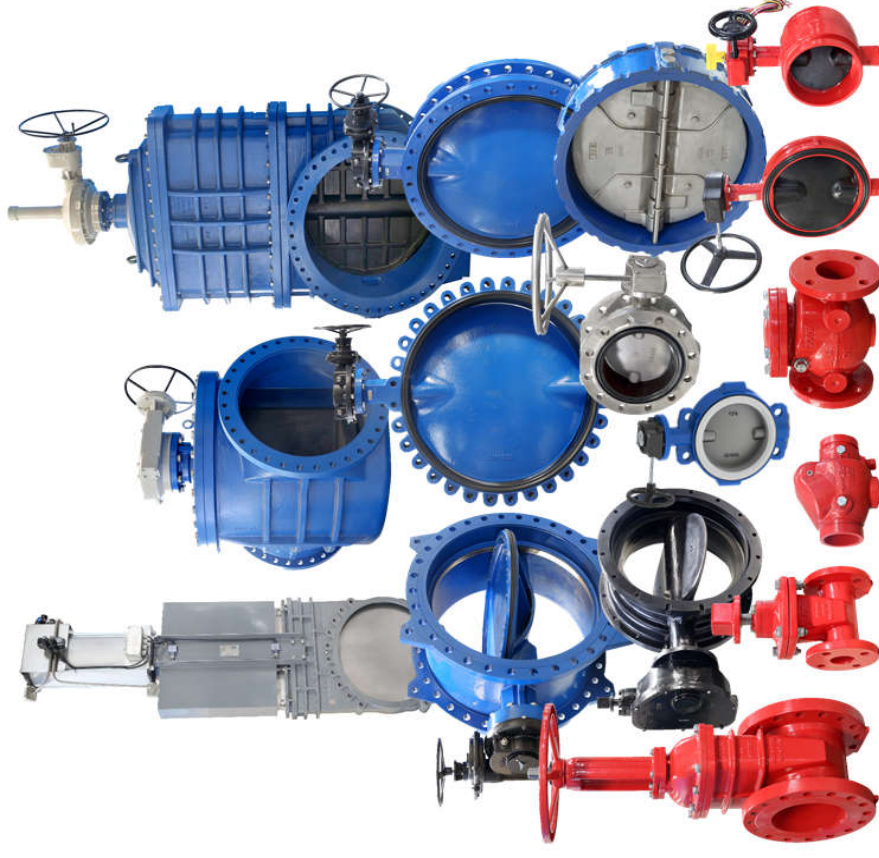
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## VALVES FOR WATER



## GENERAL CATALOG

FSK&ROBVALVE is dedicated to the design, manufacture, marketing and service of high-quality industrial valves, regarding product quality and timely service as the company's develop foundation, located in Lyon, the industrial and technological city of France. After many years of valve production and application experience, we have developed a new generation of triple offset valves to meet wider range of customers' requests and higher demanding.

Relying on the advanced R&D, design, verification and the mature manufacturing process, quality control system, ROBVALVE (Tianjin) Co., Ltd is established at 2015, located in Tianjin, China to serve Europe, North America, China and other Asia Pacific regions.

Depending on different requirements from customers, we could offer products from vacuum to ultra-high pressure range, from cryogenic to ultra-high temperature range, covering many different severe conditions, including oil&gas, LNG, refinery, chemical, coal chemical, power industry, heating system, etc.

Besides the Triple Offset Metal Seat Valve, we also produce: High Performance Butterfly Valve (API 609 Category B, MSS SP-68), Metal Seat Ball Valve, Resilient Seat Ball Valves, floating and trunnion type, and C Ball Valve.

For Certification now we have passed ISO 9001, ISO 14001, OH 18001, ISO 10012, CE/PED Module H, API 609 A/B, API 6D, API 607, API 6FA, TS, SIL, ISO 15848-1, TA-Luft, BS 6364 and other related quality system certification or type testing approval.

Now our company has adopted MES intelligent manufacturing management system and lean production management concept to ensure the quality of each part and the traceability of full manufacture process.

With the independent R&D center, advanced engineering design software, state-of-art manufacturing equipment, supplemented by completed testing and verification facilities, strict implementation of the relevant standards, we will continue improving and developing, offering customers with high-quality products and services.

In 2019, based on market demand, the company was restructured into FSK-ROBVALVE , expanding the product range with FSK water treatment valves, including resilient seat butterfly valves, rubber seat gate valves, knife gate valves, variety type of check valves/strainers, etc., corresponding to different International standards, as well as some other valves customized for seawater/ desalination industry.

FSK range products also have variety of International certification, including drinking water certification for different countries, firefighting valve certification, etc., applicable for common water treatment industry, HVAC, drinking water supply and fire protection system.

Detailed products and certifications list please refer to [www.fsk-robvalve.com](http://www.fsk-robvalve.com) .



## Product R & D



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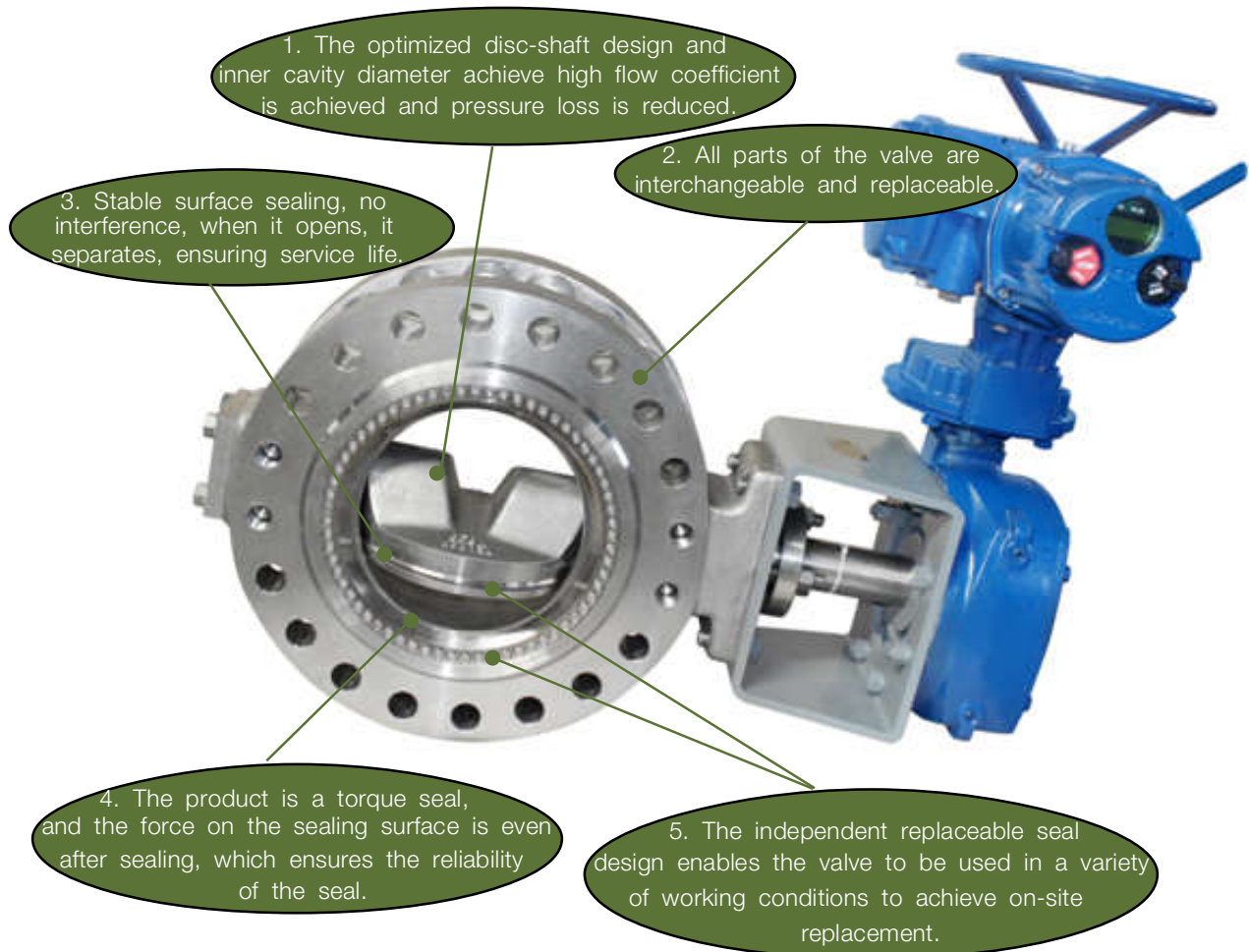


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# TRIPLE OFFSET VALVE FEATURES



## Product features

- ◆ Triple offset valve completely eliminate all friction between the valve body seal ring and the valve disc seal face during the 90-degree stroke, providing a complete torque seal. Effectively prevent valve leakage caused by wear between the sealing surface, achieve two-way equal pressure zero leakage\*, regardless of the pressure class
- ◆ The valve design itself has "fire safety" and high temperature resistance characteristics. Frictionless metal-to-metal torque seal, double axel design effectively prevents the influence of axial stress change on valve performance at high temperature, low temperature, ultra-high temperature and ultra-low temperature.
- ◆ Seat optional sealing face hardening for more reliable valve service under heavy duty conditions.
- ◆ Packing in accordance with ISO 15848-1, EPA Method 21, TA-Luft/VDI 2440 requirements.
- ◆ The quarter Angle stroke design and lower operating torque are more conducive to flow and pressure control.
- ◆ It can be used in low temperature, high temperature and harsh working conditions by matching different design schemes and parts materials (see the product introduction manual for details).
- ◆ The flange countersink design makes the connection between valve and pipeline more tight and reasonable, and effectively avoids the possibility of pipeline leakage.
- ◆ The hardened bearing design can better bear the high pressure load.
- ◆ The built-in graphite bearing protection can prevent the invasion of foreign matters, ensure the stability of operating torque and effectively prevent locking.

\*Zero leakage refers to "Class A leakage", API 598 elasto-seal valve requirements in accordance with current international standards ISO 5208 and EN 12266-1.

It is recommended that the valve should be installed at a horizontal or vertical tilt Angle to reduce solid particle deposition in the fluid.

It is recommended that the "closed high pressure side" be on the shaft side for long term sealing and longer service life.



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# TRIPLE OFFSET VALVE

## BUV31 Basic Configuration

**Size range:** 3"-160"(DN80- DN4000)

**Pressure Rating:** Class150, Class300, Class600, Class900, Class1500  
PN25, PN40, PN63, PN100, PN160, PN250

**Connection type:** wafer, lug, double flanged, butt-welded.

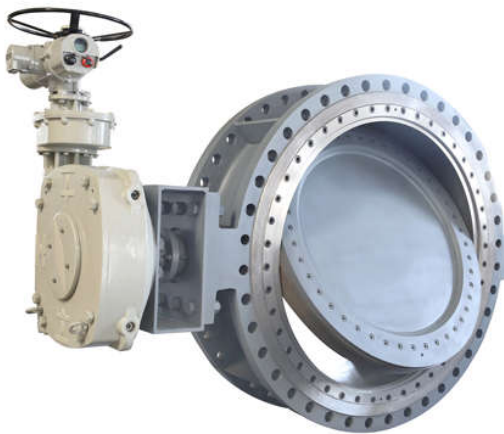
**Temperature Range:** -254°C - +820°C(-425°F - +1508°F)

**Actuator type:** manual, pneumatic, electric, hydraulic, Electric-liquid linkage etc.

**Operation range:** Suitable for various severe conditions, from vacuum to ultra-high pressure, from cryogenic to ultra-high temperature.



Note: Larger size and higher pressure, can consult from factory.



### Industrial applications

- Chemical Refinery
- Power Plants
- Refinery
- LNG
- Air Separation
- Offshore drilling platform
- Metallurgical industry
- sea water desalination
- District heating



### Material

CS and low temperature CS: WCB, LCB, LCC, A105, LF1, LF2 Class1, etc;

High temperature alloy steel: WC6, WC9, C5, C12, F11 Class2, F22 Class3, F5, F9, et Austenitic stainless steel: CF8M, CF8, CF3M, CF3, CF8C, F316, F304, F304L, etc.

Duplex and super duplex stainless steel:

4A, 5A, 6A, CD3MN, CD3MWCuN, etc.

High alloy austenitic stainless steel:

6Mo(CN3MN), 20 alloy (CN7M), etc.

Alloy materials: Monel, Hastelloy, Inconel, Nickel-aluminum-bronze, titanium, etc

## Standards and Specifications

**Design and manufacture standard:** API 609, MSS SP-68, EN 593, EN 12569

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Low temperature standard:** BS 6364, MSS SP-134

**Mounting flange:** ISO 5211

**Connection flange:** ASME B16.5, ASME B16.47, ISO 7005, EN 1092-1

**Butt welding end:** ASME B16.25, EN 12627

**Face to face:** API 609, MSS SP-68, ISO 5752, EN 558

**Inspection and testing standard:** API 598, ISO 5208, EN 12266-1, ANSI/FCI 70-2

**Firesafetest:** ISO 10497, API 607, API 6FA

**Valve mark conform to:** MSS SP-25, EN 19

**Low emission conform to:** ISO 15848-1, TA-Luft, EPA Method 21



TOV in ASMB B16.10 Series 7 Face to Face, for Gate Valve Replacement



# HIGH TEMPERATURE TRIPLE OFFSET VALVE



## BUV32 Basic Configuration

**Connection type:** lug, double flanged, butt-welded.

**Operation type:** manual, pneumatic, electric, hydraulic,  
Electric-liquid linkage etc.

**Applicable range:** Applicable to chemical, electric power and other industries; Often used in high temperature gas, steam conditions

## Standards and Specifications

**Design and manufacture standard:** API 609, MSS SP-68,  
EN 593, EN 12569

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Connection flange:** ASME B16.5, ASME B16.47, ISO 7005, EN 1092-1

**Butt welding end:** ASME B16.25, EN 12627

**Face to face:** API 609, MSS SP-68, ISO 5752, EN 558

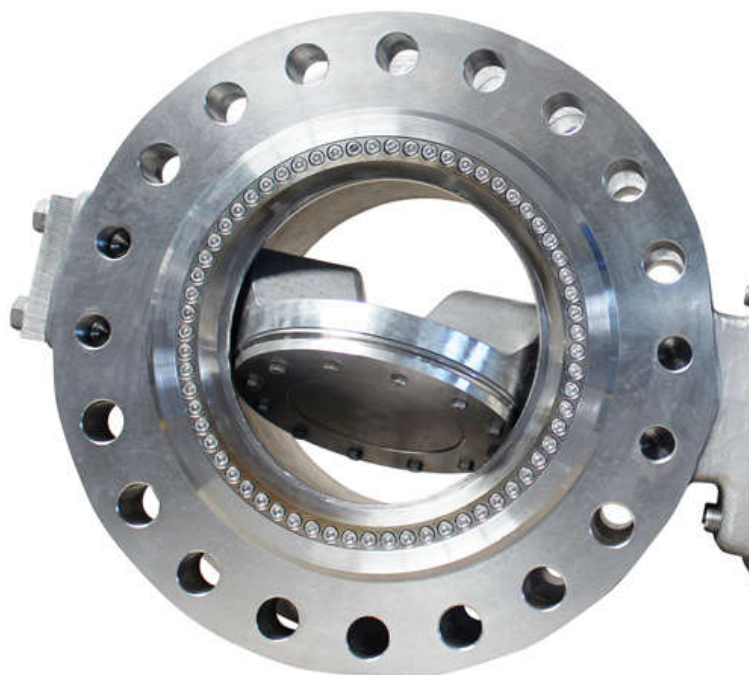
**Inspection and testing standard:** API 598, ISO 5208, EN 12266-1,  
ANSI/FCI 70-2

**Firesafetest:** ISO 10497, API 607, API 6FA

**Mounting flange:** ISO 5211

**Valve mark conform to:** MSS SP-25, EN 19

**Low emission conform to:** ISO 15848-1, TA-Luft, EPA Method 21



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# CRYOGENIC TRIPLE OFFSET VALVE

## BUV32 Basic Configuration

**Connection type:** lug, double flanged, butt-welded.

**Actuator type:** manual, pneumatic, electric, hydraulic, Electric-liquid linkage etc.

**Operation Type:** Applicable media: Suitable for LNG liquefaction storage and transportation , air separation unit, hydrocarbon low temperature distillation, aerospace applications, HIPPS and main equipment protection.

All the low temperature valves are tested in the low temperature test device of ROBVALVE factory.

## Standards and Specifications

**Design and manufacture standard:** API 609, EN 593

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Low temperature standard:** BS 6364, BS EN1626, MSS SP-134

**Connection flange:** ASME B16.5, ASME B16.47, ISO 7005, EN 1092-1

**Butt welding end:** ASME B16.25, EN 12627

**Face to face:** API 609, MSS SP-68, ISO 5752, EN 558

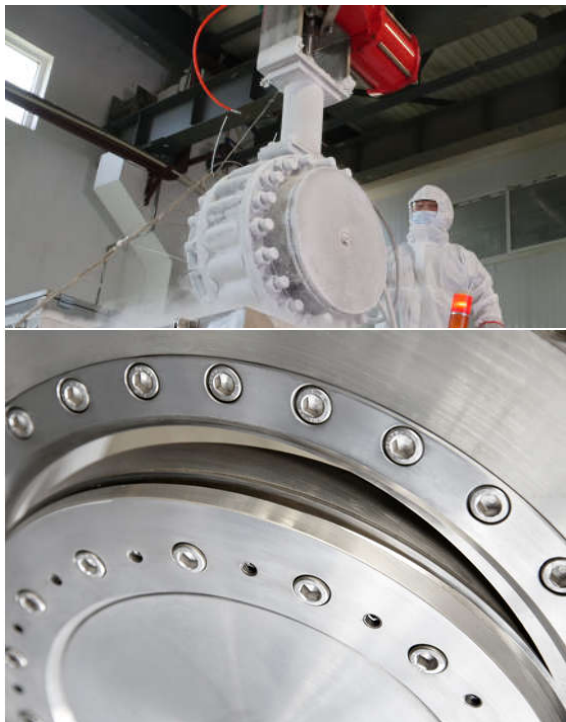
**Inspection and testing standard:** API 598, ISO 5208, EN 12266-1, ANSI/FCI 70-2

**Firesafetest:** ISO 10497, API 607, API 6FA

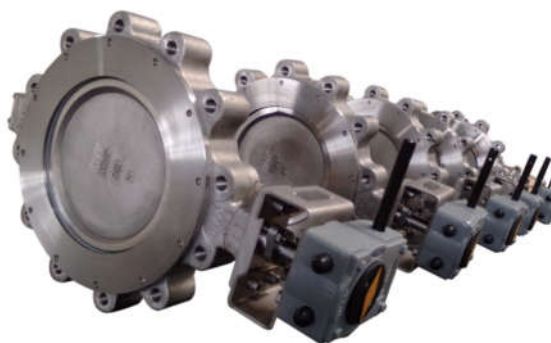
**Mounting flange:** BS EN ISO 5211

**Valve mark conform to:** MSS SP-25, EN 19

**Low emission conform to:** ISO 15848-1, TA-Luft, EPA Method 21



# HIGH PERFORMANCE BUTTERFLY VALVE



## BUV21 Basic Configuration

**Design and manufacture standard:** API 609, MSS SP-68, EN 593,

**Size range:** 2"-48" (DN50- DN1200)

**Pressure Rating:** PN10/16/20/25/40/50 CLASS150/300

**Connection type:** wafer, lug, double flanged, .

**Temperature Range:** -56°C ~ +260°C (-68°F ~ +500°F)

**Operation Type:** manual, pneumatic, electric, etc.

## Industrial applications

- gasoline, gas etc.
- High temperature water, condensate water, steam
- Chemical, medicine, food production
- Paper industry, shipbuilding,
- Petrochemical industry, chemical industry, etc
- Oxygen and other prohibited oil conditions

## Standards and Specifications

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Connection flange:** ASME B16.5, ASME B16.47  
ISO 7005, EN 1092-1

**Mounting flange:** ISO 5211

**Face to face:** API 609, MSS SP-68, ISO 5752, EN 558

**Inspection and testing standard:** API 598, ISO 5208,  
EN 12266-1,

## Product features

- ◆ Optimized lip seat design, automatic compensation for temperature and pressure changes, with safe and reliable sealing performance.
- ◆ Onsite emergency repair remove the platen and replace the standard seat, without removing the platen and valve shaft, greatly reducing downtime, maintenance and replacement costs.
- ◆ Two-way air tight seal, zero leakage, regardless of the medium flow direction, the valve to ensure sealing performance.
- ◆ Bearing optimization extension design, surface hardening treatment, the valve shaft to provide maximum support, better high temperature resistance, corrosion and resistance to mechanical load deformation performance.
- ◆ Standard with v-type PTFE valve shaft sealing system, ensure the valve opening and closing travel torque is lower, reduce the wear of various parts, and meet the international standards and specifications for emissions.
- ◆ Valve shaft packing part does not need to be removed, easy to adjust, internal travel limit set, prevent clearance, reduce seat wear, prolong life.
- ◆ Double stem design to increase valve flow capacity.
- ◆ The company's high-performance butterfly valve has excellent performance, part of the working conditions can meet millions of switch operation.

## Material

CS and low temperature CS: WCB, LCB, LCC, A105 etc;  
Stainless steel: CF8M, CF8, CF3M, CF3, F304, F316 etc.

Duplex and super duplex stainless steel: 4A, 5A, 6A,  
CD3MN, CD3MWCuN, etc.

Nickel aluminum bronze: C95800 etc.



standard



Firesafe



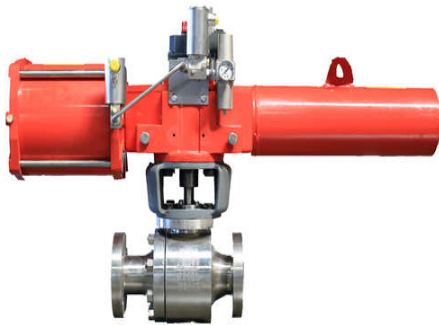
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# METAL SEAT BALL VALVE



## BAV21 Floating Ball Valve

**Size range:** 1/2"-4" (DN15- DN100)

**Pressure Rating:** Class150 - Class900(PN16 - PN150)



## BAV22 Trunnion Ball Valve

**Size range:** 2"-48" (DN50- DN1200)

**Pressure Rating:** Class150 - Class2500(PN16 - PN420)

## BAV2 Basic Configuration

**Temperature Range:** -56°C - +650°C (-68°F - +1202°F)

**Body type:** two-piece ,three-piece

**Material forming process:** cast , forged

**Operation Type:** manual, worm gear, pneumatic, electric, etc.

**Design and manufacture standard:** API 6D, API 608, MSS SP-72,

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Mounting flange:** ISO 5211

**Connection flange:** ASME B16.5, ASME B16.47, ASME 16.11 ASME B1.20.1, ISO 7005, EN 1092-1

**Face to face:** ASME B16.10, ISO 5752, EN 558, EN 12982

**Inspection and testing standard:** API 598, API 6D, EN 12266-1, EN 12284.

**Low emission conform to:** ISO 15848-1, TA-Luft, EPA Method 21

**Firesafetest:** ISO 10497, API 6FA



## Material

CS and low temperature CS: WCB, LCB, A105 etc;  
Austenitic stainless steel: CF8M, CF8, CF3M, CF3, F304, F316 etc.

## Product features

- ◆ Ball and seat hardened by hard alloy spray technology, precision grinding, zero leakage with reduced torque.
  - ◆ Valve shaft blowout prevention design, bottom T structure to ensure the valve chamber abnormal overpressure and packing pressure plate failure in extreme cases of safe and reliable, the valve shaft is hardened at the contact with the valve body to prevent the shaft from breaking due to torsion abrasion.
  - ◆ Bi-direction bubble tight, zero leakage,\*
  - ◆ Seat back spring loaded, adjusted according to temperature and pressure changes, to ensure the valve in high temperature and large temperature conditions stable operation.
  - ◆ The design of dustproof and slag in the spring chamber can prevent the particles from entering into the spring chamber in the process of medium circulation and effectively avoid the spring failure.
  - ◆ Separate packing compacting structure design, can be independently adjusted and field replacement of packing. The filler can be selected to meet the requirements of international emission standards.
  - ◆ Its design has "fire safety" high temperature resistance characteristics, anti - static structure.
- Metal seal ball valve suitable for high temperature, high pressure, wear resistance, corrosion resistance and other working conditions, gas and solid two phase mixed flow, liquid, solid two phase mixed flow, high viscosity, high fiber, high temperature steam and other media cut off the ideal product, in petrochemical, oil and gas, coal chemical industry, power plant, polysilicon and other industries have a very wide range of applications.

\*Zero leakage refers to the "Class A leakage" in accordance with the current international standards ISO 5208 and EN 12266-1, and the requirements of "Elastic Sealed Valves" of API 598.



# RESILIENT SEAT BALL VALVE



**BAV11 Floating Ball Valve**

**Size range:** 1/2"-8" (DN15- DN200)

**Pressure Rating:** Class150 - Class900 (PN16 - PN150)



**BAV12 Trunnion Ball Valve**

**Size range:** 2"-48" (DN50- DN1200)

**Pressure Rating:** Class150 ~ Class1500 (PN16~PN250)



## BAV1 Basic Configuration

**Temperature Range:** -196°C - +260°C (-320°F - +500°F)

**Body Construction:** 2-piece or ,3-piece

**Material forming process:** casting or / forged

**Operation type:** manual, pneumatic, electric, etc.

## Material

CS and low temperature CS: WCB, LCB, LCC, A105 etc;

Austenitic stainless steel: CF8M, CF8, CF3M, CF3, F304, F316 etc.

## Standards and Specifications

**Design and manufacture standard:** API 6D, MSS SP-72,

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Mounting flange:** ISO 5211

**Connection flange:** ASME B16.5, ASME B16.47,  
ISO 7005, EN 1092-1

**Face to face:** ASME B16.10, ISO 5752, EN 558,

**Inspection and testing standard:** API 598, EN 12266-1,  
EN 12284.

**Firesafetest:** ISO 10497, API 607



Resilient seal ball valve is used to cut off or put through the medium in pipeline, because of its excellent sealing performance and a variety of sealing materials are available for selection, widely used in water, gas, natural gas, nitric acid and other pure medium transportation, is the most widely applicable range of valve varieties.



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# CRYOGENIC BALL VALVE

## BAV3 Basic Configuration

**Size range:** 1/2"-4" (DN15- DN100)

**Pressure Rating:** PN16 - PN100

**Working temperature:** -196°C - +260°C (-320°F - +392°F)

**Valve structure:** Three-piece floating structure

**Operation Type:** manual, worm gear, etc.

## Material

low temperature CS: LCB, LCC, LC1, LC2 LC3 etc;

Austenitic stainless steel: CF8M, CF8, CF3M, CF3, etc.



## Standards and Specifications

**Design and manufacture standard:** API 6D, EN 1626

**Temperature and pressure rating:** ASME B16.34, EN 12516-1

**Low temperature standard:** BS 6364, MSS SP-134

**Inspection and testing standard:** API 598, API 6D, EN 12266-1,

**Firesafetest:** ISO 10497, API 607, API 6FA

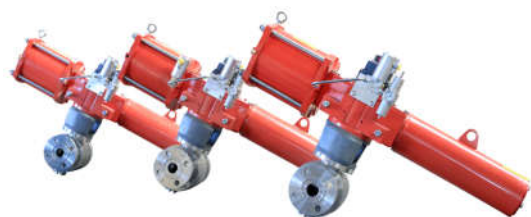
**Low emission conform to:** ISO 15848-1, TA-Luft,

## Industrial applications

- LNG storage and transport
- Industrial gas storage
- Petroleum chemical industry
- Air separation



# C-BALL METAL SEAT VALVE



## Industrial applications

- Coal chemical industry, coal-to-oil, coal-to-olefin, etc.
- Oil refining and catalytic cracking unit
- Polysilicon industry
- Polyurethane industry

## Material

low temperature CS:WCB, LCB,LCC,A105,etc;

Austenitic stainless steel: CF8M, CF8,CF3M, CF3,F316,F304,etc.

## Product features

- ◆ Single seat, full boer design, reliable sealing performance, convenient operation, high flow and low flow resistance.
- ◆ Quarter turn Trim, low operating torque, trip seal surface apart from full closure, no friction, no wear, extended service life.
- ◆ With sealing surface self-cleaning function, when the valve core is closed, it can automatically clean the particles and impurities bonded to the sealing surface.
- ◆ Hemisphere structure, eccentric design, compared with the whole ball has a better cleaning function, not easy to accumulate slag, suitable for all kinds of harsh conditions.
- ◆ Valve seat and valve core with eccentric - wedge tight seal and spring pre - tight seat seal, torque seal design
- ◆ There is no media retention area inside the valve body and it will not adhere to the valve body cavity.
- ◆ Its design has "fire safety" high temperature resistance characteristics, anti - static structure.

## BAV5 Basic Configuration

**Size range:** 2"-48"(DN50- DN1200)

**Pressure Rating:** Class150-Class900(PN16-PN150)

**Temperature Range:** -56°C-+650°C(-68°F-+1200°F)

**Body Construction:** Side Entry, 2-piece ,3-piece

**Material forming process:** cast , forged

**Operation Type:** manual, worm gear, pneumatic,electric, etc

**Design and manufacture standard:** API 6D,API 608,MSS SP-72,

**Temperature and pressure rating:** ASME B16.34,EN 12516-1

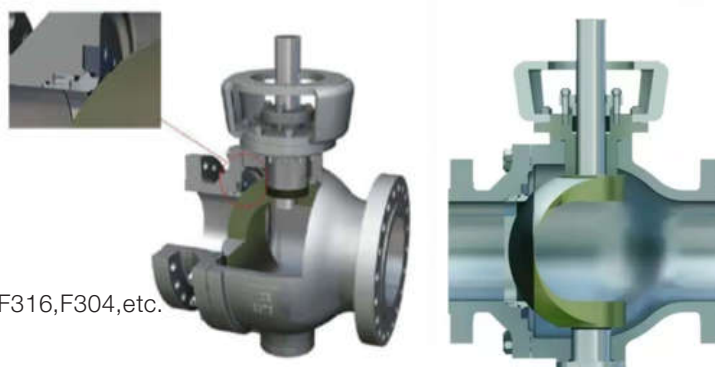
**Mounting flange:** ISO 5211

**Connection flange:** ASME B16.5,ASME B16.47,ASME 16.11  
ASME B1.20.1,ISO 7005,EN 1092-1

**Face to face:** ASME B16.10,ISO 5752,EN 558,EN12982

**Inspection and testing standard:** API 598,API 6D, EN 12266-1,  
EN 12284.

**Low emission conform to:** ISO 15848-1,TA-Luft,EPA Method 21



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# BUTTERFLY VALVE

## BV12 CONCENTRIC RESILENT SEAT (REPLACABLE) BUTTERFLY VALVE



### Standards And Specifications

**Design standard :** API 609 / EN593

**Connection standard:** ISO 7005-2 PN10/16/25;  
EN 1092-2 PN10/16/25; GOST PN10/16;  
ASME B16.5 CLASS 150;  
ASME B16.47 CLASS 150; JIS 10K;

**Mounting flange:** ISO 5211

**Face to face :** API 609A / EN558 (20 serial)

**Testing standard:** API 598/EN12266-1

**Working pressure:** PN10/16 (DN40-DN3000 1.5"-120")  
PN25 (DN40-DN600 1.5"-24")

**Size:** BV12 Wafer (DN40-DN1200 1.5"-48")  
BV12 Lug (DN40-DN1200 1.5"-48")  
BV12 U-type flange (DN40-DN3000 1.5"-120")

**Operation Type:**  
manual, electric, pneumatic, hydraulic, etc.

### Applications

- Valve body and valve plate materials can be selected: nodular iron, carbon steel, stainless steel, copper, aluminum and special alloy (nodular iron, carbon steel surface resin spraying).
- According to the requirements of different working conditions, select different materials of sealing materials (such as: NBR, EPDM, SIL, FKM, PTFE, medical and food grade, special rubber in sea water, etc.)
- The product is suitable for fresh water, direct drinking water, seawater, sewage treatment and gas systems, and can also be used in acid, alkali, salt and other corrosive media.
- The product has been ACS, WRAS, NSF certification, can be used in drinking water and medical and food applications.
- If you have special technical requirements, please consult the company

### Product features

- The disc and shaft are connected without pin to reduce the leak achieve on-site replacement.
- Ball-type sealing is adopted by the connection of Disc and Seat ensuring better connection of Disc and Seat, better sealing capacity and low torque. The double stem design of the Disc efficiently lowers the pressure loss of the valve and reduce flow resistance.
- The seat has no skeleton and adopts concave and convex slot design. Seat stability, sealing compensation and effective reduction of torque. According to the requirements of different working conditions can have a variety of different material choice.
- The shaft and body can be accurately connected to the plate and self-lubricated by adding a bushing design to extend the life of the valve.
- According to the requirements of different working conditions (body, plate, shaft, seat) can be a variety of different materials to choose
- The upper and lower shaft ends of the valve are designed for special sealing to ensure zero leakage of the outer seal of the shaft end.
- Within the rated pressure range, the product torque is reasonable. It has been verified by practice that the sealing life of the product is long and the opening and closing torque is stable.



# BUTTERFLY VALVE



## BV13 CONCENTRIC RESILENT SEAT (VULCUNIZED ON BODY) FANGED BUTTERFLY VALVE



### Applications

- Valve body and valve plate materials can be selected: nodular iron, carbon steel, stainless steel, copper and special alloy (nodular iron, carbon steel surface resin spraying).
- According to the requirements of different working conditions, select different materials of sealing materials (such as: NBR, EPDM, SIL, FKM, PTFE, food grade, special rubber in sea water, etc.)
- The product is suitable for fresh water, direct drinking water, seawater, sewage treatment and gas systems, and can also be used in acid, alkali, salt and other corrosive media.
- The product has been ACS, NSF, WRAS certification, can be used in drinking water and medical and food applications.
- If you have special technical requirements, please consult the company

### Standards And Specifications

**Design standard :** EN593

**Connection standard:** EN1092-2 ; ISO 7005-2

**Mounting flange:** ISO 5211

**Face to face :** EN558 (13 serial)

**Testing standard:** EN12266-1

**Working pressure:** PN10/16(DN50-DN3000 2"-120")  
PN25(DN50-DN1200 2"-48")

**Operation Type:** manual, electric, pneumatic, hydraulic, etc.

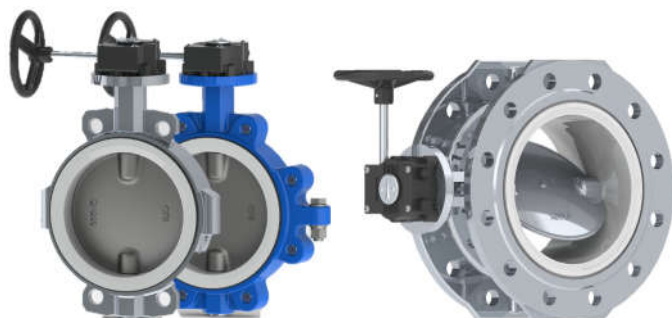
### Product features

- The body adopts rubber direct vulcanization process, especially suitable for special working conditions.
- Optimized rubber lining design and forming process can achieve perfect liner and inner seal of valve body and ensure perfect sealing of valve plate and integral flange gasket.
- Valve plate and seat through the overall ball seal, valve plate and seat contact more reasonable, ensure the valve plate seal, reduce valve torque. The double broken shaft design can effectively reduce the pressure loss of the valve and reduce flow resistance.
- The shaft and body can be accurately connected to the plate and self-lubricated by adding a bushing design to extend the life of the valve.
- According to the requirements of different working conditions (body, plate, shaft, seat) can be a variety of different materials to choose.
- The upper and lower shaft ends of the valve are designed for special sealing to ensure zero leakage of the outer seal of the shaft end.
- Within the rated pressure range, the product torque is reasonable. It has been verified by practice that the sealing life of the product is long and the opening and closing torque is stable.

## BV16 PTFE BUTTERFLY VALVE

### WAFFER & LUG

### DOUBLE FLANGED



### Product features

- Low friction coefficient of PTFE increases valve service life.
- The material of inner parts is not easy to be polluted and has high antibacterial property.
- The upper and lower shaft ends of the valve are designed for special sealing to ensure zero leakage of the outer seal of the shaft end.

### Standards And Specifications

**Design standard :** API 609/EN593

**Connection standard:** ASME B16.1, EN 1092 PN10/16

**Mounting flange:** ISO 5211

**Face to face :** API609A / EN558 (20 serial, 13 serial)

**Testing standard:** API 598 / EN12266-1

**Working pressure:** 16bar (DN50 - DN300 2" - 12")  
10bar (DN350 - DN600 14" - 24")

**Working Temperature:** -18°C - +200°C

**Operation Type:** manual, electric, pneumatic, hydraulic, etc

### Applications

- Valve body and valve plate materials can be selected: nodular iron, carbon steel, stainless steel, copper and special alloy (nodular iron, carbon steel surface resin spraying).
- Used in acid, alkali, Marine environment, oil, organic compounds and other media
- Used in pharmaceutical, chemical and food industries



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# FLANGED DOUBLE ECCENTRIC BUTTERFLY VALVE

## BV23 FLANGED DOUBLE ECCENTRIC BUTTERFLY VALVE



### Standards And Specifications

**Design standard :** EN593

**Connection standard:** EN1092-2 ; ISO 7005-2

**Mounting flange:** ISO 5211

**Face to face :** EN558 13/14 serial

**Testing standard:** EN12266-1

**Working pressure:** PN10 : DN100-DN4000 (4"-160")

PN16 : DN100-DN3000 (4"-120")

PN25 : DN100-DN2000 (4"-80")

**Operation Type:**

manual, electric, pneumatic, hydraulic, etc.

### Applications

- Valve body and valve plate materials can be selected: nodular iron, carbon steel, stainless steel, copper and special alloy (nodular iron, carbon steel surface resin spraying).
- According to the requirements of different working conditions, select different materials of sealing materials (such as: NBR, EPDM, SIL, FKM, PTFE, food grade, special rubber in sea water, etc.)
- The product is suitable for fresh water, seawater desalination, sewage treatment, long distance pipeline, water supply and drainage, power plant and other fields, and can also be used for acid, alkali, salt and other corrosive media.
- The product has been ACS, NSF, WRAS certification, can be used in drinking water and medical and food applications.
- If you have special technical requirements, please consult the company.



### Product features

- On the basis of EN593 standards and referring to the AWWA C504 design standards extend the service life of the valves and its safety character.
- The streamlined design of inside body reduces the fluid resistance; meanwhile, the supporting leg and lifting hole facilitate the installation.
- The not-shaft design for shaft effectively reduces the medium damage to the valve shaft, enhances the coaxiality, diminishes the operating torque, and extends the service life sealing performance and safety performance of the valve; Valve in the open state can replace the sealing ring.
- The double eccentric design ensures good sealing quality and realizes minimum open-close torque. Best optimized sealing magnitude of interference extends the valve life.
- The stainless steel seat surfacing on the sealing surface of the valve body has super corrosion resistance and sufficient strength. After processing and polishing treatment, it is the fundamental guarantee of super long service life. The rest of the surface resin spray, or special material coating.
- The seat face seal is formed by a replaceable elastic seal and is embedded between the disc and compression ring. In the closed position, the sealing ring is pressed by the whole sealing seat, and forms bi-directional sealing between the fluid; the sealing ring can be replaced on site.
- The product is bidirectional sealing, with self-reinforcing sealing function, the pressure from different flow direction will further enhance the sealing effect.
- Seawater working condition see seawater valve special page.



# AWWA C504 BUTTERFLY VALVE



## BV5 AWWA C504 BUTTERFLY VALVE



### Standards And Specifications

**Design standard :** AWWA C504

**Connection standard:**

ASME B16.1, ANSI/AWWA C111 A21.11

**Mounting flange:** MSS SP 101, ISO 5211

**Face to face :** AWWA C504

**Testing standard:** AWWA C504

**Size:** BV5 Wafer 3"-20" (DN80-DN500)

BV5 Flanged 3"-160" (DN80-DN4000)

BV5 Mechanical Joint End 3"-48" (DN80-DN1200)

**Working Temperatura:** -15°C - +130°C

**Operation Type:**

manual, electric, pneumatic, hydraulic, etc.

### Applications

- Used in water treatment plants, direct drinking water, seawater desalination and transmission pipelines
- The product has been NSF and WRAS certification, can be used in drinking water and medical and food applications.
- If you have special technical requirements, please consult the company

### Product features

- AWWA butterfly valves completely conform to design standards and specifications AWWA C504, suitable for water system. Connection types include wafer, flanged and mechanical joint end
- The valves have passed cycle life test of standard AWWA C504. During the complete cycle test, bi-directional tightness is reached under the different pressure drops. The valves provide reliable performance in the whole service life.
- Specification NPS 3"-24" (DN80-DN600) valves with hot vulcanized body and rubber seats, plate sealing surface welded stainless steel.
- Valves greater than or equal to NPS 30 (DN750), with double eccentric design, field removable or replaceable rubber seat, body sealing surface welded stainless steel.
- Full compliance with AWWA C504 standard requirements, valve reliability, long service life, the product has strong earthquake resistance, safety and corrosion resistance.
- Seawater working condition see seawater valve special page.



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# RESILIENT SEAT GATE VALVE

## GV1 EN1171 RESILIENT SEAT GATE VALVE



### Applications

- Used in water treatment plants, direct drinking water, seawater desalination and transmission pipelines.
- The product is ACS, NSF and WRAS certified and can be used in drinking water and medical and food applications.
- If you have special technical needs, please consult the company.

### Standards And Specifications

**Design standard :** EN1171

**Connection standard:** EN1092-2

**Face to face :** EN558 (14 / 15 serial )

**Testing standard:** EN12266-1

**Working pressure:** PN16 : DN40-DN1200 (1.5"-48")  
PN25 : DN50-DN300 (2"-12")

**Working Temperatura:** -15°C - +130°C

### Product features

- The gate board is fully covered with high-quality rubber to form a soft sealing surface, which can guarantee the sealing performance completely.
- The lower part of the valve channel has no sluice, no dirt deposition, small flow resistance, saving effort in opening and closing.
- The valve stem is designed with three "O" rings, and the upper seal achieves zero leakage.
- The product realizes low torque sealing and ensures long service life of the product.
- Seawater working condition see seawater valve special page.

## GV2 AWWA C509 RESILIENT SEAT GATE VALVE



### Standards And Specifications

**Design standard :** AWWA C509

**Connection standard:** ASME B16.1;ANSI/AWWA C111/A21.11

**Face to face :** AWWA B16.10

**Testing standard:** AWWA C509

**Working pressure:** 150psi : NPS 2 - NPS 48  
250psi : NPS 2 - NPS 24

**Working Temperatura:** 0.6°C - 52°C

### Applications

- Used in water treatment plants, direct drinking water, seawater desalination and transmission pipelines.
- The product is NSF and WRAS certified and can be used in drinking water and food applications.
- If you have special technical needs, please consult the company.

### Product features

- The upper sealing structure between the valve stem and the valve cover adopts three O-ring design. Compared with the traditional sealing packing structure, the sealing is reliable and the friction resistance is small.
- Ductile iron or alloy steel framework with rubber vulcanization whole covering, good sealing, corrosion resistance.
- Straight through design, equal to straight pipe, high flow rate, low flow resistance, and ensure reliable sealing.
- Reasonable structure design, small opening and closing torque, long service life, easy to operate.
- Seawater working condition see seawater valve special page.

# CHECK VALVE



## CV1 CV2 DUAL PLATE CHECK VALVE

CV1



CV2



### Product features

#### CV1

- Horizontal or vertical pipe can be installed and used, easy to install;
- Sensitive action, good sealing performance, excellent reverse check effect;
- The impact of valve plate closing is small;
- Long service life and high reliability.

#### CV2

- The valve body adopts the fully rubber vulcanized internal bore, which makes it more suitable for different working conditions, with long service life and high reliability.
- Rubber seat meets food class requirements.

### Standards And Specifications

**Design standard :** EN12334, API 594

**Connection standard:** EN1092, ISO 7005, ASME B16.1

**Face to face :** ISO 5752(16 serial) , EN558(16 serial)  
ASME B16.10

**Testing standard:** EN12266-1, API 598

**Working pressure:** PN10/16 : DN40-DN1200

PN25 : DN40-DN600

150psi: 1.5"-48"

250psi: 1.5"-36"

**Working Temperature:** -15°C - +130°C

### Applications

- Body plate materials available: cast iron, ductile iron, carbon steel, stainless steel, copper and special alloy (cast iron, ductile iron, carbon steel surface resin coating)
- The product is recommended for use in cleaning gaseous and liquid media
- The product is ACS and WRAS certified and can be used in drinking water and medical and food applications.
- If you have special technical needs, please consult the company.
- Seawater working condition see seawater valve special page.

## CV41 CV42 SWING CHECK VALVE



### Product features

- The valve is larger than the nominal pipe diameter of the full flow path, allowing excellent flow capacity, valve pressure loss is low.
- When the valve plate is near to close, the flow passage narrows, so that the flow rate in the pipeline rises, and the fluid washes the valve plate and other sealed positions, effectively increasing the valve life and ensuring long-term zero leakage.
- Through the action of gravity on the valve plate, reduce the velocity of medium surge, press the valve plate to the closed position, timely closing the valve can reduce the water hammer.
- Hydraulic or automatic control system can be installed on the side of the valve body to better prevent countercurrent, reduce water hammer influence and protect the pipeline.

### Standards And Specifications

**Design standard :** EN12334, AWWA C508

**Connection standard:** EN1092, ISO 7005, ASME B16.1

**Face to face :** ASME B16.10, ISO 5752

**Testing standard:** EN12266-1, AWWA C508

**Working pressure:** PN10/16 : DN50-DN600

150psi / 250psi : 2"-24"

**Working Temperature:** Soft seal : -15°C - +130°C

Hard seal : -15°C - +250°C

### Applications

- For industrial water, water treatment, water supply, pumping station and other fields.
- If you have special technical needs, please consult the company.

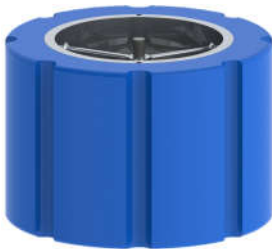




# CHECK VALVE

## CV3 AXIAL CHECK VALVE

### WAFER



### FLANGED



### Product features

- Completely sealed; Reliable performance; Convenient installation; Good diversion effect; Prevent the damage of medium backflow and water hammer effect.
- Full flow path with valve larger than nominal pipe diameter, providing superior flow capacity and effectively reducing water hammer effect.
- The use of the valve spring can achieve a quick close, with a very reliable reverse function.
- The stem of the disc fully guides the precision machined disc to seat to ensure that the disc is properly aligned and closed to the seat.
- Optional soft seal elastic base ensures zero leakage of seal.

### Standards And Specifications

**Design standard :** MSS SP-125

**Connection standard:** EN1092, ISO 7005, ASME B16.1

**Face to face :** MSS SP-125

**Testing standard:** MSS SP-125

**Working pressure:** 150psi / 250psi : 3"-24"

**Working Temperatura:** Soft seal : -15°C - +130°C  
Hard seal : -15°C - +250°C

### Applications

- Body plate materials available: cast iron, ductile iron, carbon steel, stainless steel, copper and special alloy (cast iron, ductile iron, carbon steel surface resin coating)
- The product is suitable for water supply, drainage, hvAC system, can be installed in the pump outlet. Can be used for horizontal or vertical installation.
- If you have special technical needs, please consult the company.

## CV33 NOZZLE CHECK VALVE



### Product features

- Completely sealed; Reliable performance; Convenient installation; Good diversion effect; Prevent the damage of medium backflow and water hammer effect.
- Full flow path with valve larger than nominal pipe diameter, providing superior flow capacity and effectively reducing water hammer effect.
- The use of the valve spring can achieve a quick close, with a very reliable reverse function. Suitable spool and seat fit shape can effectively reduce noise. When the pump stops, the spring can cause the spool to move slowly towards the end of the pump closure, so as to achieve silent closure.

### Standards And Specifications

**Design standard :** EN12334

**Connection standard:** EN1092, ISO 7005, ASME B16.1

**Face to face :** EN558 (48 serial , 16 serial )

**Testing standard:** EN 12266-1

**Working pressure:** PN10/16/25 : DN50-DN300

**Working Temperatura:** Soft seal : -15°C - +130°C  
Hard seal : -15°C - +250°C

### Applications

- The material of valve body and spool available : cast iron, ductile iron, carbon steel, stainless steel, copper and special alloy (cast iron, ductile iron, carbon steel surface resin coating)
- The product is suitable for water supply, drainage, hvAC system, can be installed in the pump outlet and other low water hammer or low noise requirements of the occasion.
- Can be used for horizontal or vertical installation.
- If you have special technical needs, please consult the company.



# CHECK VALVE



## CV6 BALL CHECK VALVE



### Standards And Specifications

**Design standard :** EN12334

**Connection standard:** EN1092, ISO 7005, ASME B16.1

**Face to face :** EN558 (48 serial )

**Testing standard:** EN 12266-1

**Working pressure:** PN10/16 : DN50-DN300

**Working Temperatura:** -15°C - +130°C

### Product features

- The valve body is a full flow path; The sphere moves in a smooth orbit.
- Valves have small pressure losses; The floating sphere can be cleaned automatically.
- All metal valve balls are covered with all rubber.
- The valve passes through its valve ball to prevent piping from going backwards. As the fluid passes, the fluid pushes the valve ball from the inlet into the channel to allow the fluid to pass. If there is no positive flow, the ball will fall due to gravity, so that the valve inlet medium flow is blocked by the valve ball
- Resin spray treatment inside and outside valve.

### Applications

- Valve body materials: cast iron, ductile iron, carbon steel, stainless steel, copper and special alloy (cast iron, ductile iron, carbon steel surface resin spraying)
- The products are suitable for water supply, drainage, wastewater treatment and other working conditions
- Can be used for horizontal or vertical pipe installation.
- If you have special technical needs, please consult the company.



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# ECCENTRIC PLUG VALVE & STRAINER

## EP1 ECCENTRIC PLUG VALVE



### Product features

- The plug is overlaid with high-quality rubber to form a soft sealing surface. The elastic sealing surface of the plug ensures zero leakage.
- Full range of 100 Percent diameter eccentric plug valves with 100 percent standard pipe area openings maximizes flow and minimizes pressure loss.
- The welded corrosion resistant nickel seat offers superior corrosion resistance and sufficient strength to protect the plug seal from corrosion.
- Optional stainless steel valve seat, in addition to excellent corrosion resistance, the overall structure is flexible and easy to repair.

### Standards And Specifications

**Design standard :** MSS SP-108 , AWWA C517

**Connection standard:** ASME B16.1, AWWA C111/A21.11, EN 1092 , ISO 7005

**Face to face :** MSS SP-108 , AWWA C517

**Testing standard:** MSS SP-108 , AWWA C517

**Working pressure:** 150psi : NPS 3 - 36  
250psi : NPS 3 - 24

**Working Temperatura:** -15°C - +130°C

**Operation Type:** manual, electric, pneumatic, hydraulic, etc.

### Applications

- Valve body materials: cast iron, ductile iron, carbon steel, stainless steel, copper, aluminum and special alloy (cast iron, ductile iron, carbon steel surface resin spraying)
- Widely used in clean and dirty liquid, mud and slurry materials on the transport pipeline.
- If you have special technical needs, please consult the company.

## YTS1 YTS2 STRAINER



### Product features

- It is used to collect granular impurities and other dirt flowing through the pipeline medium. The collected dirt can be removed through the sewage outlet, so as to improve the cleanliness of the medium and the service life of the pipeline system.
- The strainer is made of stainless steel which is strong and corrosion-resistant. The structure is stable and the filtration performance is strong. The strainer can be prepared according to a variety of filtration media.
- The whole structure is reliable, the flow resistance is small, the flow coefficient is not affected, and the discharge form is convenient.
- According to the requirements of working conditions, magnetic filter can also be added for the adsorption of metal impurities in water.
- Seawater working condition see seawater valve special page

### Applications

- Valve body materials: cast iron, ductile iron, carbon steel, stainless steel, copper and special alloy (cast iron, ductile iron, carbon steel surface resin spraying)
- This product is suitable for cold and hot circulating water system, oil and water supply system, collecting impurities and protecting pipes.
- The product is ACS and WRAS certified and can be used in drinking water and medical and food applications.
- If you have special technical needs, please consult the company.

### Standards And Specifications

**Connection standard:** EN1092 , ISO7005 , ASME B16.1

**Face to face :** EN 558 (1 serial)

**Testing standard:** EN 12266-1

**Working pressure:** PN10/16 : DN15-DN600  
PN25 : DN15-DN300

**Working Temperatura:** Rubber : -15°C - +130°C

Metal+Graphite gasket : -15°C - +250°C



# KNIFE GATE VALVE



## GV6 KNIFE GATE VALVE



### Standards And Specifications

**Design standard :** MSS SP-81

**Connection standard:** EN 1092-2 , ASME B16.1 ,  
ASME B16.42 , ASME B16.5

**Testing standard:** EN 12266-1

**Working pressure:**

Uni-direction Metal Seat : PN6 : DN50-DN900 (2"-36")  
PN10 : DN50-DN600 (2"-24")

Uni-direction Resilient Seat : PN6 : DN50-DN900 (2"-36")  
PN10 : DN50-DN600 (2"-24")

Uni-direction Metal Seat : PN6 / PN10 : DN50-DN600 (2"-24")

Bi-direction Resilient Seat : PN6 : DN50-DN900 (2"-36")  
PN10 : DN50-DN600 (2"-24")

**Working Temperatura:** Rubber seat : -15°C - +130°C

Metal seat : -29°C - +300°C

**Operation Type:** manual, electric, pneumatic, etc.

### Applications

- Valve body materials: cast iron, ductile iron, carbon steel, stainless steel, copper and special alloy (cast iron, ductile iron, carbon steel surface resin spraying)
- Choose different sealing materials according to different working conditions (e.g. NBR, EPDM, SIL, FKM, PTFE, food grade, seawater special rubber, stainless steel, special alloy, etc.)
- Products are suitable for extremely viscous corrosive, wear resistant liquid, slurry or dry material, mineral treatment, sewage, fiber slurry and other working conditions
- Can be used in medicine, food, chemical and other industries.
- if you have special technical needs, please consult the company.

### Product features

- Integrated casting body with a variety of types of seats, products are divided into one-way seal, two-way seal, soft seat, hard seat can meet the requirements of various working conditions.
- Ultra-short structure length, compact structure, small space occupation, can greatly reduce the overall weight of the pipeline system.
- Strong and corrosion-resistant stainless steel gate ensures long-term sealing and prolongs service life.
- Various packing types, suitable for all kinds of harsh and harsh working conditions, reliable performance, durability.
- Lift gate sealing surface, can scrape the adhesive things on the sealing surface, automatically clean up sundries.
- Choose hard seal stainless steel seal seat, plus hardened treatment (or thickening) valve plate, can better expand the use of temperature and pressure valve range.



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# SEAWATER VALVE RANGE

## Product features

- The product is designed for seawater or similar media, completely isolating the media from the substrate, ensuring the expected anti-corrosion effect and long service life.
- The surface of the body cavity and valve plate in contact with the medium is covered with special hard rubber or EPDM, and the outer surface of the body is coated to meet the requirements of the salt spray specification.
- Body and valve plate of ductile iron (ASTM A536 and GJS-400-15 or GJS-500-7)
- Valve shaft is made of Duplex Stainless steel (1.4462)
- According to the requirements of special working conditions, the medium contact materials can be Halar, Nylon, or duplex steel, aluminum bronze, etc.

## BV17-S BUTTERFLY VALVE



**Design standard :** API 609 , EN593 , ISO 10631

(See the product manual for detailed technical parameters)

**Working pressure:** PN10/16 : DN40-DN3000 (1.5"-120")  
PN25 : DN40-DN600 (1.5"-24")

## CV21-S CV22-S CHECK VALVE



**Design standard :** API 594 , EN12334  
(See the product manual for detailed technical parameters)

**Working pressure:**

EN : PN10 / 16 :  
DN40-DN1200 (1.5"-48")  
PN25 : DN40-DN900 (1.5"-36")  
API :  
150psi : 1.5"-48"(DN40-DN1200)  
250psi : 1.5"-36"(DN40-DN900)

## YTS1-S YTS2-S STRAINER



(See the product manual for detailed technical parameters)

**Working pressure:**

PN10/PN16 : DN15-DN600 (0.5"-24")  
PN25 : DN15-DN300 (0.5"-12")  
150psi/250psi : 0.5"-24" (DN15-DN600)

## BV4-S BV5-S BUTTERFLY VALVE



**Design standard :** Double eccentric butterfly valves are two design standard series products, respectively in accordance with EN593 and AWWA C504

(See the product manual for detailed technical parameters)

**Working pressure:**

EN : PN10/16 : DN100-DN3000 (4"-120")

PN25 : DN100-DN2000 (4"-80")

AWWA : 150psi/250psi : Flange 30"-104" (DN750-DN2600)

MJ 30"-48" (DN750-DN1200)

## BV13-S BV5-S FULLY RUBBER LINED BUTTERFLY VALVE



**Design standard :** The fully rubber lined butterfly valve is a product of two design standard series according to EN593 , ISO 10631 and AWWA C504 respectively

(See the product manual for detailed technical parameters)

**Working pressure:**

EN : PN10/16 : DN50-DN2200 (2"-88")

PN25 : DN50-DN1200 (2"-48")

AWWA : 150psi/250psi :

Wafer : 3"-20" (DN80-DN500)

Flange : 3"-24" (DN80-DN600)

MJ : 3"-24" (DN80-DN600)

## GV1-S GV2-S GATE VALVE



**Design standard :** Two design standard series products, respectively in accordance with

EN1171, AWWA C509

(See the product manual for detailed technical parameters)

**Working pressure:**

EN :

PN16 : DN40-DN600 (1.5"-24")

PN25 : DN40-DN300 (1.5"-12")

AWWA :

150psi : 2"-48" (DN50-DN1200)

250psi : 2"-24" (DN50-DN600)



# FIREFIGHTING BUTTERFLY VALVE



## BV06G GROOVED



## BV06FG GROOVED-FLANGE



## BV06W WAFER



## Standards And Specifications

**Design standard :** UL1091, FM1112, API 609

**Connection standard :** AWWA C606, ASME B16.1,  
ASME 16.42, EN 1092-2, ISO 7005-2

**Mounting flange :** ISO5211

**Testing standard :** UL1091, FM1112

**Working pressure :** 175psi/232psi : 2" - 24"  
300psi : 2" - 12"

## BV71 WAFER



## BV71 LUG



## Product features

- Groove type, wafer type and lug type connection form, can satisfy a variety of connection forms.
- Maximum valve body size, improve the flow capacity of the medium, effectively reduce pressure loss.
- Disc and body through the overall ball sealing, valve body and seat contact more reasonable, ensure the valve plate seal, reduce valve torque. The double broken shaft design of the valve disc can effectively reduce the pressure loss of the valve and reduce flow resistance
- Using plate-shaft pin - free connection, effectively remove plate - shaft taper - pin connection leakage, easy to achieve on-site maintenance.
- Valve shaft and body through increase the design structure of bushing, realize precise connection with disc. Self-lubricating bushings extend the service life of the valve.
- Resin sprayed on the surface to increase the service life of the valve.
- The product is UL certified.

## Applications

- This product is widely used in water supply, fire fighting and other pipe lines for cutting off or regulating.
- If you have special technical needs, please consult the company.



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# FIREFIGHTING GATE VALVE

## GV05 & GV52 & GV7 FIREFIGHTING GATE VALVE



### Standards And Specifications

**Design standard :** UL262 , FM1120&1130

**Connection standard :** AWWA C606, ASME B16.1,  
ASME 16.42  
ANSI/AWWA C111/A21.11  
EN1092-2 , ISO 7005-2

**Testing standard :** UL 262 , FM1120&1130

**Working pressure :** 175psi , 232psi , 300psi

**size :** 2"-24"

### Applications

- This product is certified by UL/FM, can be used in drainage, water-treatment and fire protection systems.
- If you have special technical needs, please consult the company.

### Product features

- Surface epoxy coating powder has been tested by UL/FM laboratory, completely meeting the requirements of UL262/FM1120&1130 to ensure the product quality.
- The fully coated rubber disc passes the standard high speed water flow 6m/s test and the open life test, the rubber has no rupture or permanent deformation, no shedding phenomenon, to ensure the product sealing reliability and service life.
- After torque test, this product has no mechanical damage of any parts, which can meet the installation of electric actuator, and will not cause damage of valve parts due to instantaneous too much torque.
- The body of casting using ductile iron, with good strength characteristics. Under the high pressure testing, there is no leakage or shell cracking.
- Straight-through flow channel, large flow, small flow resistance, and ensure reliable sealing.
- Indicator is the main equipment of many fire departments, and it has passed UL / FM certification.
- ACME threaded stem with low operating torque.
- There is no groove at the bottom of the product, so it is not easy to accumulate impurities. At the same time, it reduces the flow resistance and ensures the sealing reliability.
- This product is UL / FM certified.



# FIREFIGHTING CHECK VALVES & Y-STRAINERS



## CV7 FIREFIGHTING CHECK VALVE

### GROOVED



### FLANGE



### Standards And Specifications

**Design standard :** UL312, FM1210

**Connection standard :** AWWA C606, ASME B16.1,  
ASME 16.42, EN 1092-2, ISO 7005-2

**Testing standard :** UL312, FM1210

**Working pressure :** 300psi

**Size :** 2"-12"

### Product features

- Full bore channel and straight through body ensure high hydrodynamic efficiency of the valve.
- The single valve disc mechanism combined with the spring auxiliary function makes the valve free of impact during operation.
- Excellent corrosion-resistant nickel or copper valve seat and elastic sealing material, combined with single disc mechanism and auxiliary spring, make the low-pressure head working condition can also be sealed without leakage.
- Valves come with flow direction indication to assist in correct valve positioning.
- The product meets the requirements of UL/FM, the shell is tested under high pressure.

### Applications

- This product is used in fire water system.
- If you have special technical needs, please consult the company.

## YTS3 FIREFIGHTING Y-STRAINER

### GROOVED

### FLANGE



### Standards And Specifications

**Design standard :** UL321, FM5551

**Connection standard :** AWWA C606, ASME B16.1,  
ASME 16.42, EN 1092-2, ISO 7005-2

**Testing standard :** UL321, FM5551

**Working pressure :** 300psi

**Size :** 2"-12"

### Product features

- The filter screen is made of stainless steel, which is strong and corrosion-resistant. The structure is stable, the filtering effect is superior, and it can withstand medium scouring without affecting the pressure loss.
- The product meets the requirements of UL/FM, the shell is tested under high pressure.

### Applications

- This product is used in fire water system.
- If you have special technical needs, please consult the company.



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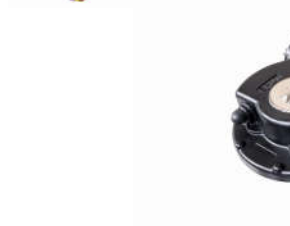
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## ACTUATOR



**QUARTER TURN  
MANUAL ACTUATOR**



**QUARTER TURN ELECTRIC ACTUATOR**

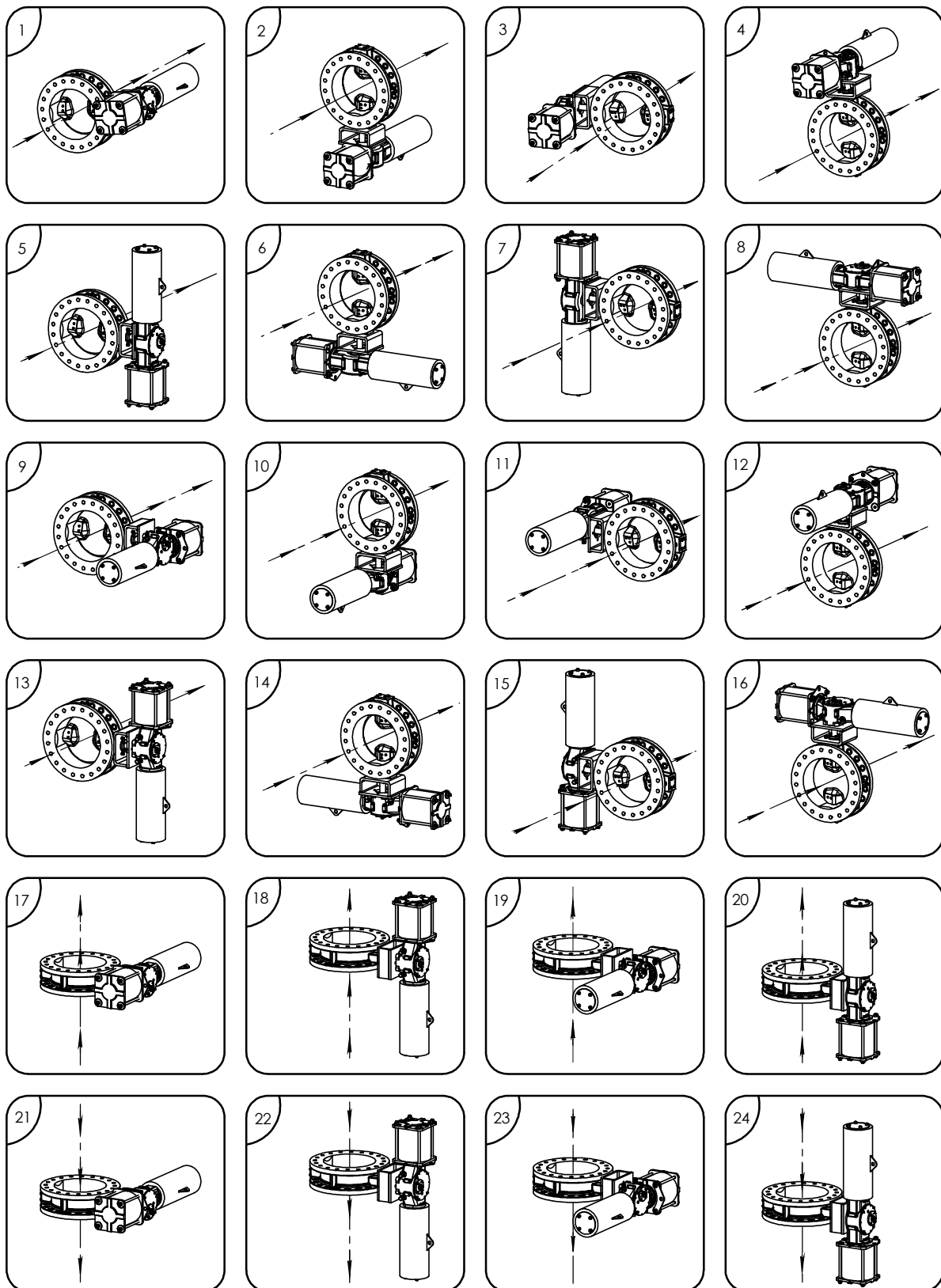


**QUARTER TURN  
PNEUMATIC ACTUATOR**



**MULTI-TURN MANUAL ACTUATOR**

# SCHEATIC DIAGRA OF VALVE AND ACTUATOR INSTALLATION DIRECTION





**MANUFACTURING FACILITY**



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