Arrowhead

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Arrowhead

Valve Application Catalogue

Version: AH-EN-G 0012401

COMPANY PROFILE

Arrowhead, a leading global expert in fluid control and distribution from U.S., since 1936, has continuously evolved to meet the dynamic needs of our customers. With a global team of over 2,400 employees and a network of 22 subsidiaries worldwide, our presence extends to more than 70 countries across 3 continents. This expansive reach empowers us to not only set industry standards but also to deliver customized solutions tailored to our clients' specific needs.

Our journey, spanning nearly a century, is a testament to our unwavering commitment to innovation and excellence. Since our establishment in the USA in 1936, Arrowhead has been at the forefront of industry advancements. From the development of frost-proof technology in 1960 to the launch of our flagship line of lead-free products in 2014, we have consistently revolutionized industry standards. Furthermore, our recent expansion into the markets of Eastern Europe, Central Asia, and Southeast Asia between 2019 and 2023 has further solidified our global presence.

In line with our vision of becoming a global expert in fluid control and distribution within 30 years, Arrowhead remains at the forefront of the industry, driven by a steadfast commitment based on our extensive research and development work, and passion for creating premier achievements. We are acting with foresight, developing solutions that enhance daily lives worldwide and contribute to a better future for all.

As a future-driven and sustainability-focused brand, Arrowhead provides a comprehensive range of solutions, covering industrial valves, universal valves, steel piping, and plastic piping solutions, to meet the diverse needs of various sectors, such as residential, commercial, agricultural, industrial, and infrastructure. We take pride in being a reliable partner to our customers and ensuring consistent service outstanding for the foreseeable future.

Arrowhead is committed to driving innovation and excellence in fluid control and distribution. With a focus on customer satisfaction and environmental responsibility, we will continue to deliver superior quality and reliability worldwide, boosting the potential to create significant value for current and future generations.

Contents

Water Supply System

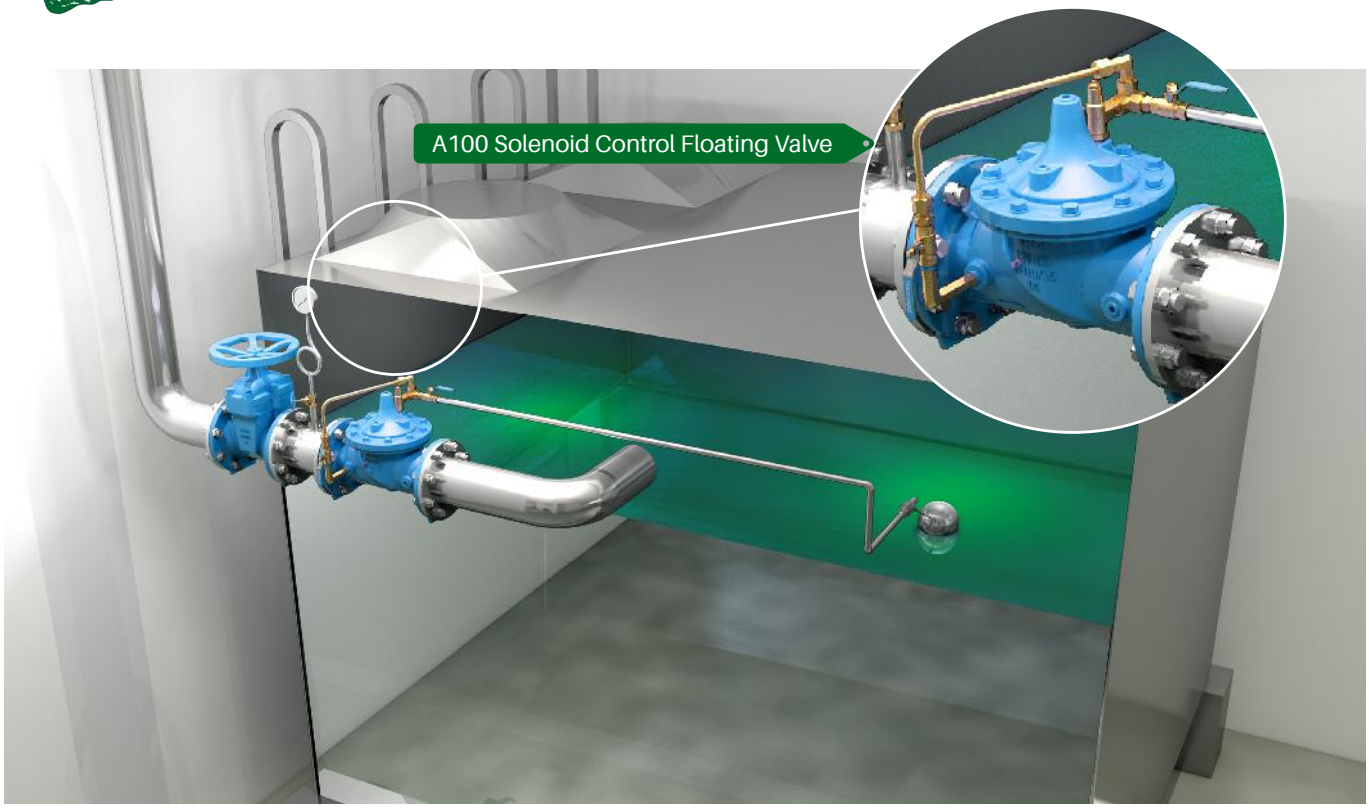
The application of water supply systems is a livelihood issue and should meet the following needs of users:

- Save water resources to the greatest extent; Energy saving;
- Extend the service life of pipelines and equipment; Healthy water.

A typical commercial building may include shopping malls, offices, hotels and clubs. The valve applications of its water supply system mainly include:

- Municipal water supply valve group;
- Water tank replenishment valve group;
- Pump water supply valve group;
- Zone pressure reducing valve group.

Valve Group For Water Tank Replenishment System



Application Description

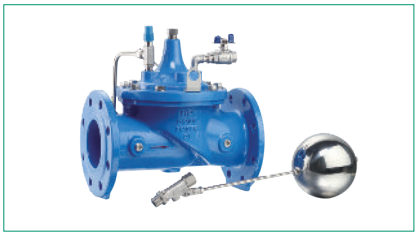
The water replenishment tank realizes automatic replenishment of water in the water tank by installing a liquid level control valve on the water supply pipeline. Once the liquid level in the water tank is lower than the set water level, the liquid level control floating valve automatically opens to replenish water; once the water tank liquid level reaches the set water level, the liquid level control floating valve automatically closes and stops replenishing water.

A100 Remote Control Floating Valve/A106 Solenoid Control Floating Valve

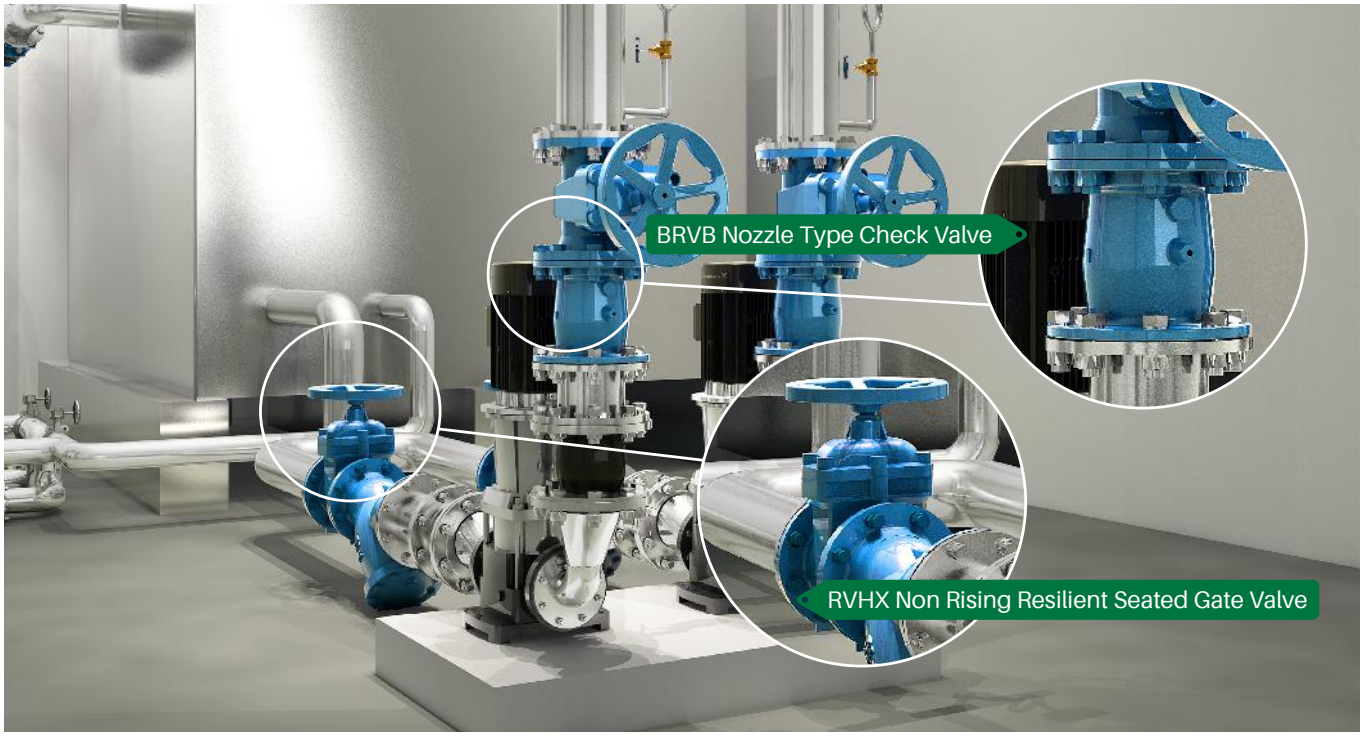
Comply with CJ/T219 standard;

Because the water tank level control is unattended. Therefore, in order to avoid overflow losses caused by mechanical float switch failure, the A106 solenoid control floating valve adopts dual control of electronic float switch and mechanical float switch:

Electronic float switch: Under normal circumstances, the solenoid valve is opened and closed through the electronic liquid level signal to control water replenishment: the electromagnetic is normally closed. When the water tank liquid level is at a high level, the solenoid valve loses power and closes, stopping water replenishment; when the water tank liquid level is at a low level, The solenoid valve is powered on to start water replenishment. Mechanical float switch: When an abnormality occurs in the solenoid valve and the water level in the water tank continues to rise, the mechanical float switch is triggered to close and stop water replenishment.



Valve Group For Pump Station Water Supply System



Application Problems Description

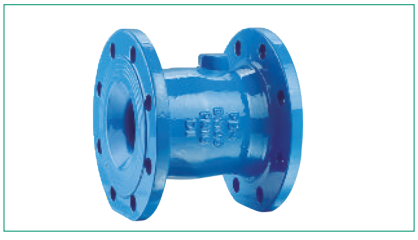
- In the water supply of water pumps, the following application problems often occured
- Noise and damage caused by water hammer if cho ose wrong valves, mainly reflected by the water hammer when the pump is stopped;
- Loss of water head if design not good, resulting in high en ergy consumption of the water pump;
- If the check valve cannot be closed quickly, will resulting backflow phenomenon then cause the water pump motor to reverse
- Pipeline garbage causes equipment damage and jamming;
- Most of the check valve need regular maintenance.

BRVB Nozzle Check Valve Advantages

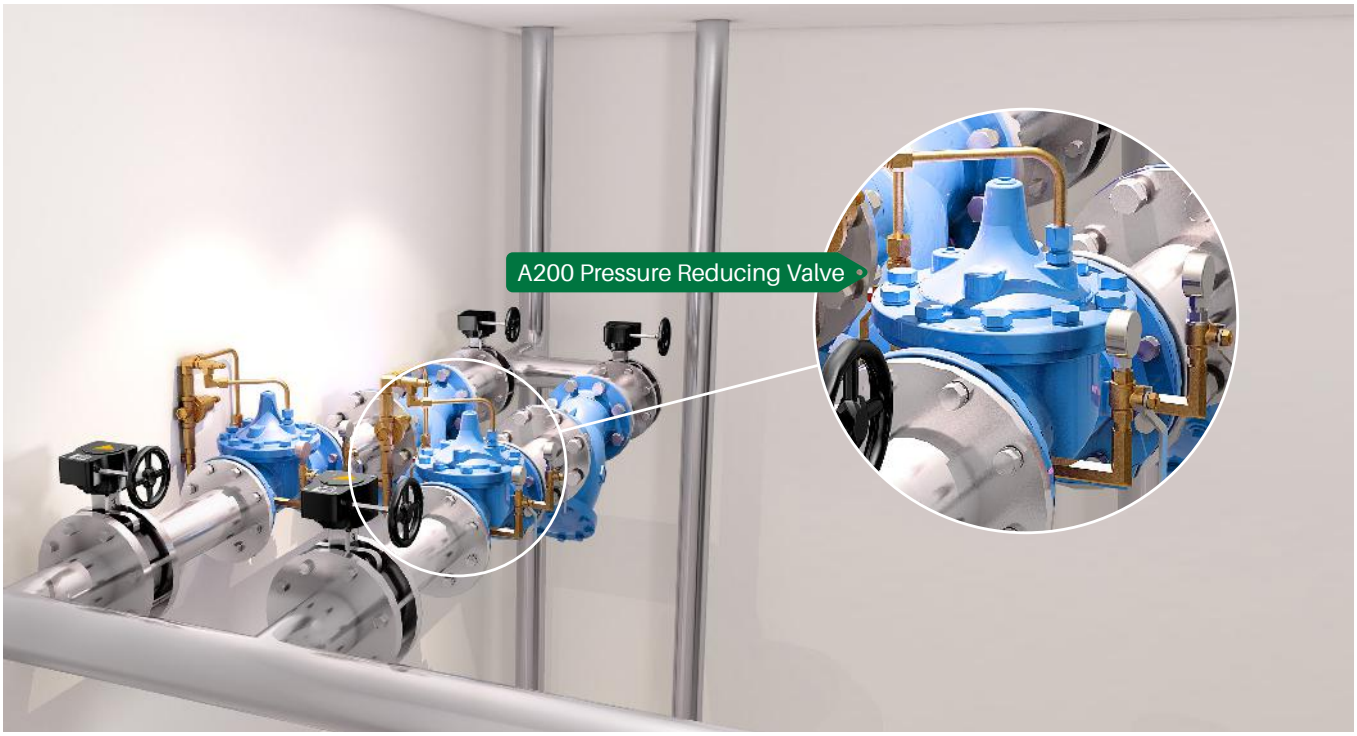
Comply with GB/T21387 product standards;
Quick-closing structure, the valve plate is light in weight, and the spring accelerates the closing, eliminating water hammer impact and water hammer noise; Axial flow structure, built-in nozzle type flow guide, low water head lost;
DN300 and above stainless steel metal sealing, with long service life and zero leakage;
DN300 and above are shaftless designs, which will not cause jamming; maintenance-free;
the nozzle check valve can be installed at any position according to the direction of the flow arrow.

RVHX Non-rising Resilient Seated Gate Valve

Comply with BS5163, DIN3352 F4 product standard
Flat-bottom body design; The valve wedge is fully vulcanized with EPDM rubber;
The valve wedge has a plastic guide slider with low torque;
The valve stem is made by rolled processing method, with higher strength and lower torque;
The shaft seal adopts three layers "O" ring; with inverted back seat sealing structure and can be repaired online.



Pressure Reducing Valve Group Pump Station Water Supply System



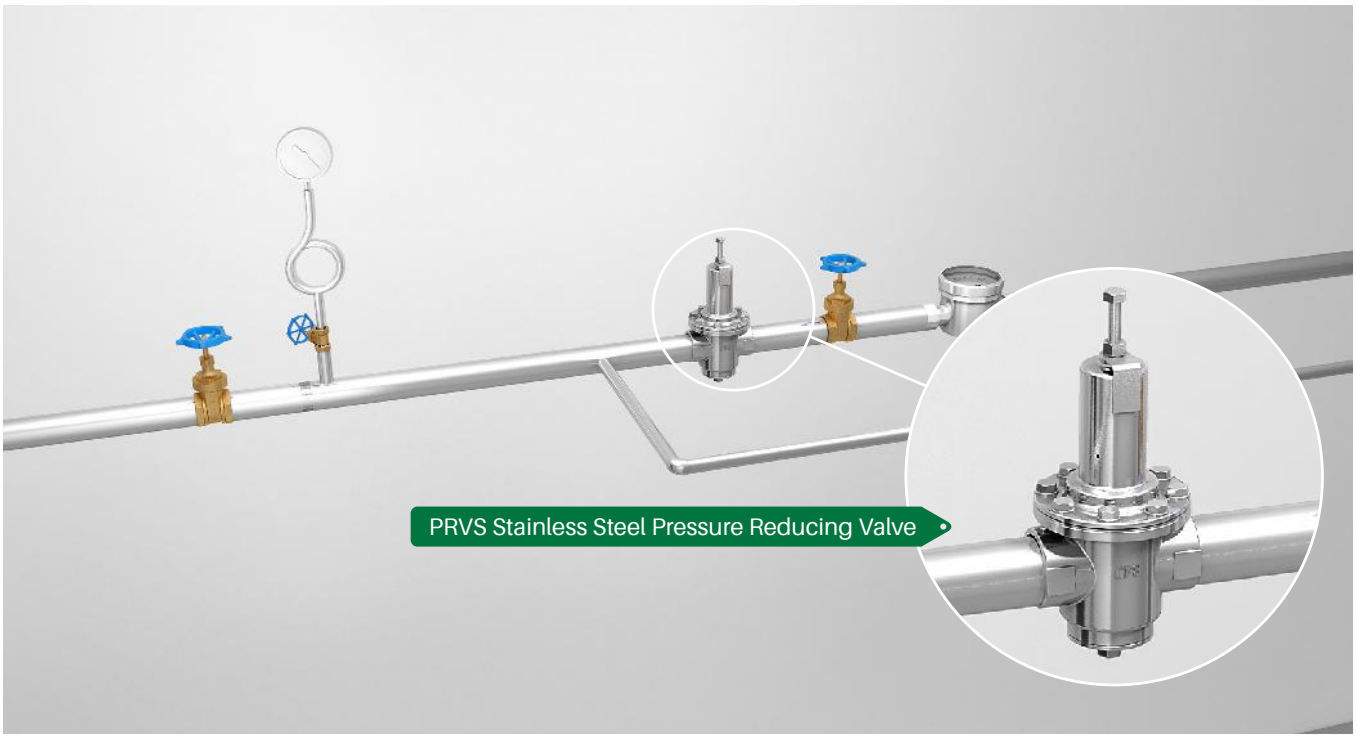
Application Description

- According to the different water supply systems, install a pressure reducing valve on the water supply pipeline to play the different roles.
- Stabilize the water supply pressure behind the valve and stable the flow rate;
- Stabilize the water supply pressure behind the valve and stable the water supply pressure whatever the pressure in front of the valve luctuations or unstable;
- Reducing static pressure;
- Optional to achieve time sharing control /intelligent pressure management;
- Optional valve cartridge disc design to improve cavitation resistance to meet greater pressure relief requirement.

A200 Pressure Reducing Valve

Comply with CJ/T219, JB/T10674 standards;
Hydraulic control, no external driving force required;
The main valve has only one combination moving part and has a low failure rate;
Diaphragm structure, no friction, high control sensitivity, the pressure behind the valve can be set, whatever the flow rate changes or pressure changes in front of the valve, the pressure after the valve will be stable and does not change.
It can reduce static pressure;
A200 pressure reducing valve is suitable for application where the cavitation coefficient is not less than 0.5; when the cavitation coefficient is less than 0.5 and greater than 0.2, the A202 high-performance pressure reducing valve can be selected;

Pressure Reducing Valve



Application Description

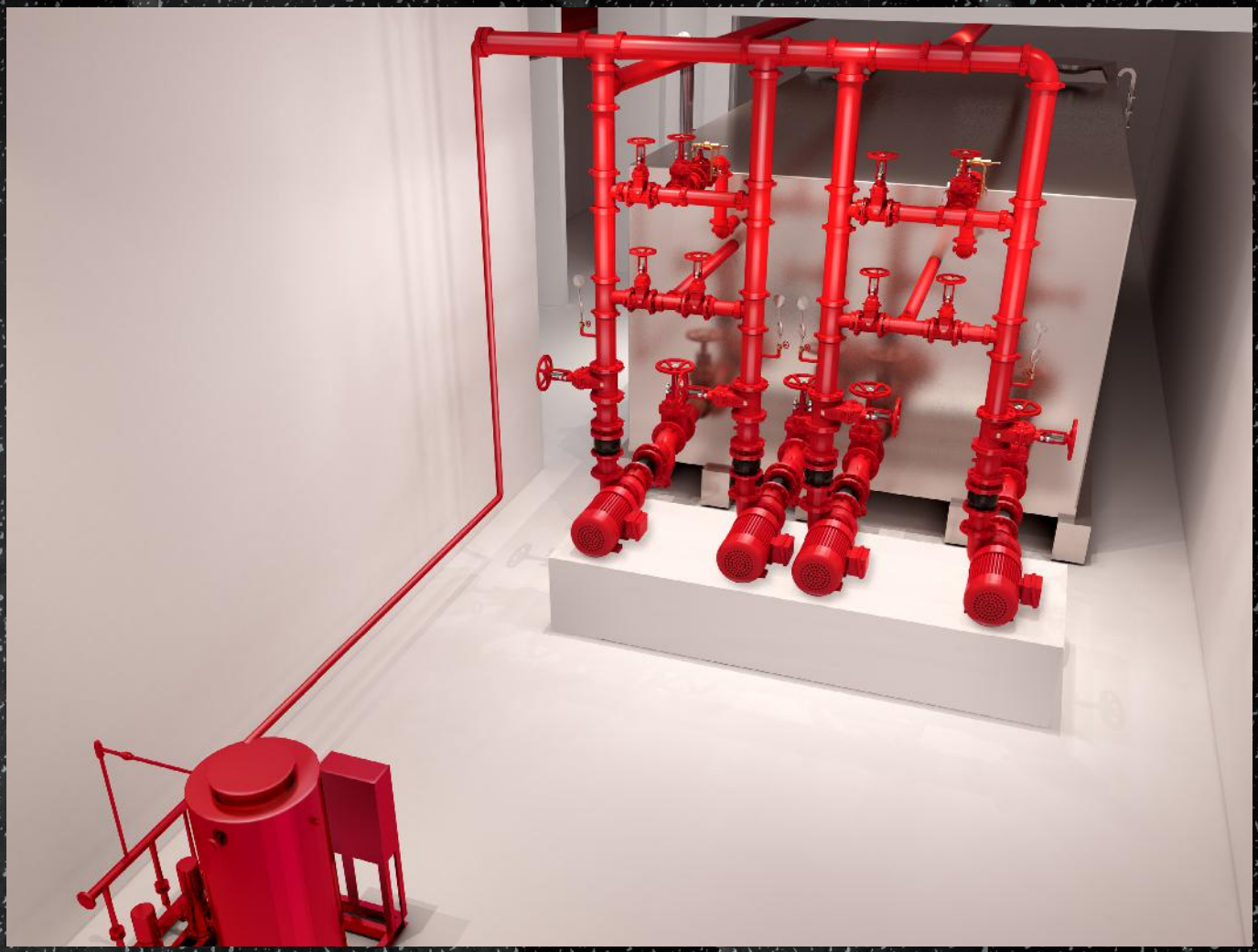
By installing a pressure reducing valve on branch water supply pipeline at each floor, the water supply pressure of the floor entrance pipe will be stabilized, so that the water pressure between different floors is consistent, and the water pressure is not affected by pressure change or flow fluctuations in front of the valve.

PRVS Stainless Steel Pressure Reducing Valve

Diaphragm structure, sensitive pressure sensing and strong fouling resistance.

Large pressure adjustment range, high precision and low noise. Self-balanced valve core design, the pressure behind the valve does not change with the fluctuation of the pressure in front of the valve.

The valve internal parts are all stainless steel and copper alloy, which are corrosion-resistant and have long service life cycle.



Fire System

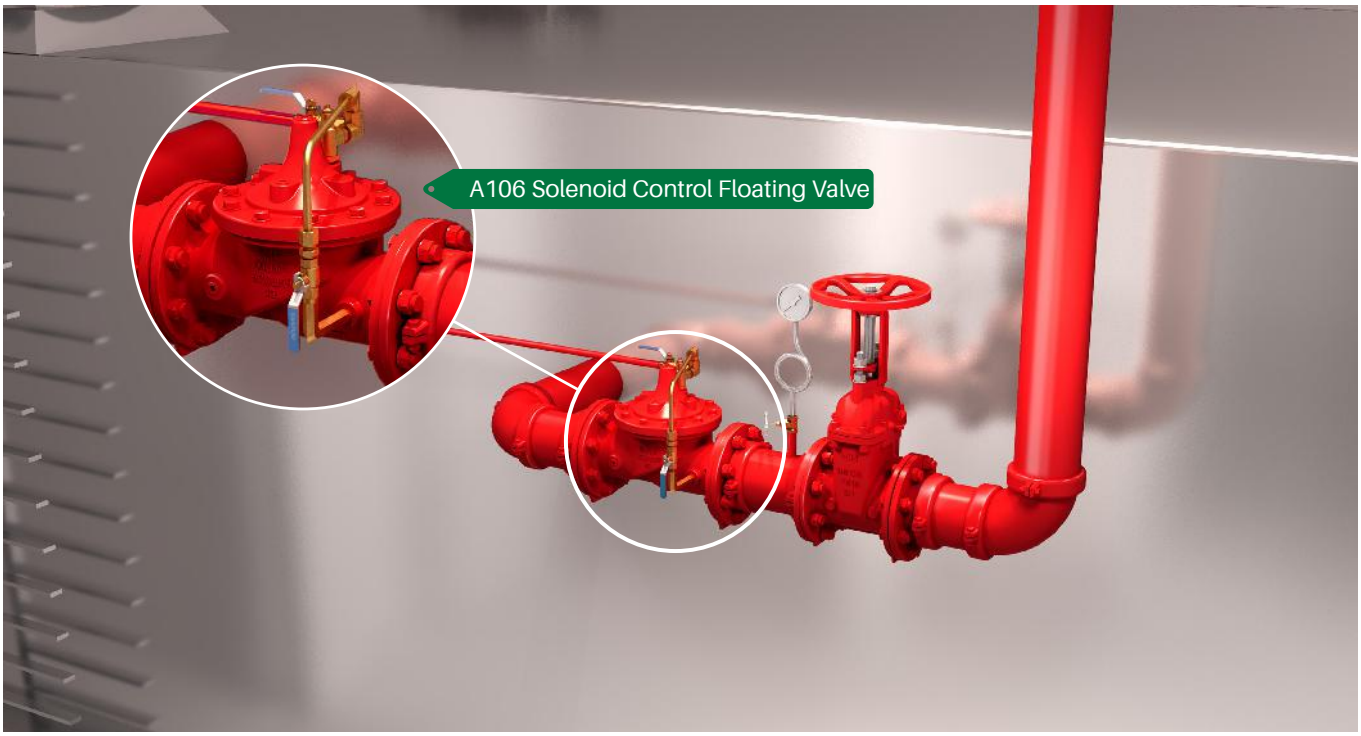
The application of fire protection systems involves the safety of users' lives and property. Fire protection system valves should ensure reliability and work together with fire alarm devices to build a comprehensive monitoring fire extinguishing system. Generally, there are the following application requirements:

- Higher pressure resistance and sealing requirements;
- Prevent overpressure pipe explosion;
- Prevent water hammer damage and water hammer noise;
- Some products require valve position monitoring;
- Reliable pressure reduction, and should be able to meet a large pressure reduction ratio;
- Good static pressure reduction performance to avoid system pressure channeling.

A typical commercial building may include shopping malls, offices, hotels and clubs. Its fire protection system valve applications mainly include the following: water tank replenishment valve group;

- Pump station water supply valve group (including pressure relief valve group);
- Fire fighting area pressure reducing valve group;
- Signal feedback valve group.

Fire Fighting Water Tank Replenishment Valve Group



Application Description

The water replenishment tank be caried out automatic replenishment of water by installing a solenoid control floating valve on the water supply pipeline. Once the liquid level in the water tank is lower than the set water level, the solenoid control floating valve automatically opens to replenish water; once the water tank liquid level reaches the set water level, the liquid level soleniod control valve automatically closes and stops replenishing water.

A106 Solenoid Control Floating Valve

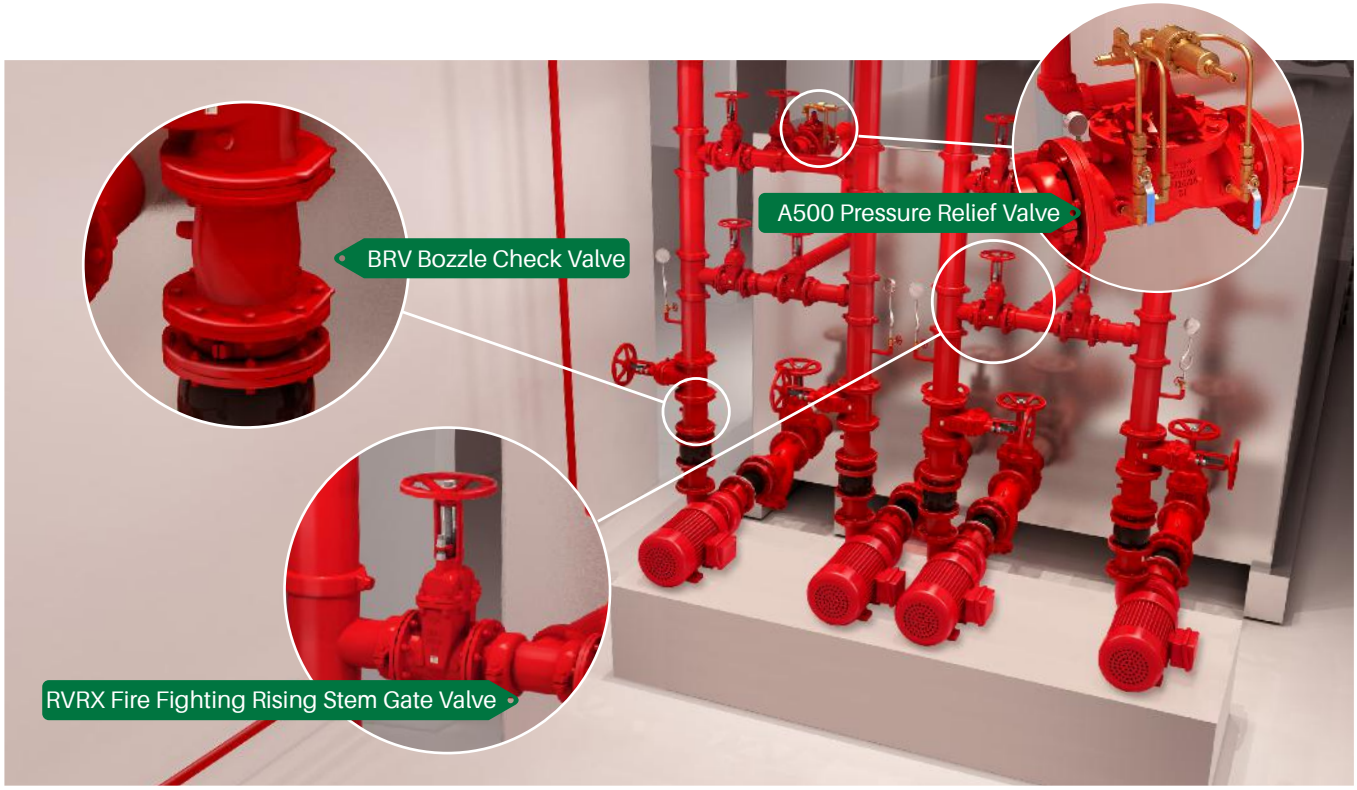
Comply with CJ/T219 standard;

Because the water tank level control is unattended. Therefore, in order to avoid overflow losses caused by the failure of the mechanical float switch, the A106 solenoid control floating valve adopts dual control of electronic float switch and mechanical float switch.

Electronic float switch: Under normal circumstances, the solenoid valve is opened and closed through the electronic liquid level signal to control water replenishment: the electromagnetic is normally closed. When the water tank liquid level is at a high level, the solenoid valve loses power and closes, stopping water replenishment; when the water tank liquid level is at a low level, The solenoid valve is powered on and starts water replenishment.

Mechanical float switch: When an abnormality occurs in the solenoid valve and the water level in the water tank continues to rise, the mechanical float switch is triggered to close and stop water replenishment.

Fire Fighting Pump Station Water Supply Valve Group



Application Description

In the water supply of fire fighting system, different with wthe water supply of drinking water system , the following application problems often occur should be solved:

- water hammer noise and damage caused by water hammer are mainly reflected when the pump is stopped; it can be solved by high performance check valves.
- Within the limit of the reverse rotation of the pump motor, through the adjustment of the valve closing time can eliminate the water hammer when the pump is stopped;
- When the fire protection system starts the pump at a small flow rate, the ultra-high pressure generated should be released in time to ensure the safety of the system pressure;
- When the fire protection system stops the pump, the bypass pressure relief valve must achieve zero leakage to maintain constant pipeline pressure;
- Pipeline garbage causes equipment damage and jamming; should be cleaning regularly;
- Most of the valve should be made regular maintenance.

A300 Slow Closing Check Valve

Comply with CJ/T219 product standards;
Hydraulic control, no external driving force is required;
The main valve has only one conbained moving part, low failure rate;
Diaphragm structure, no friction, high control sensitivity;
The main valve closing time is adjustable through the needle valve (for example: DN100, valve closing adjustment time is 3~40s), effectively reducing water hammer impact and noise.

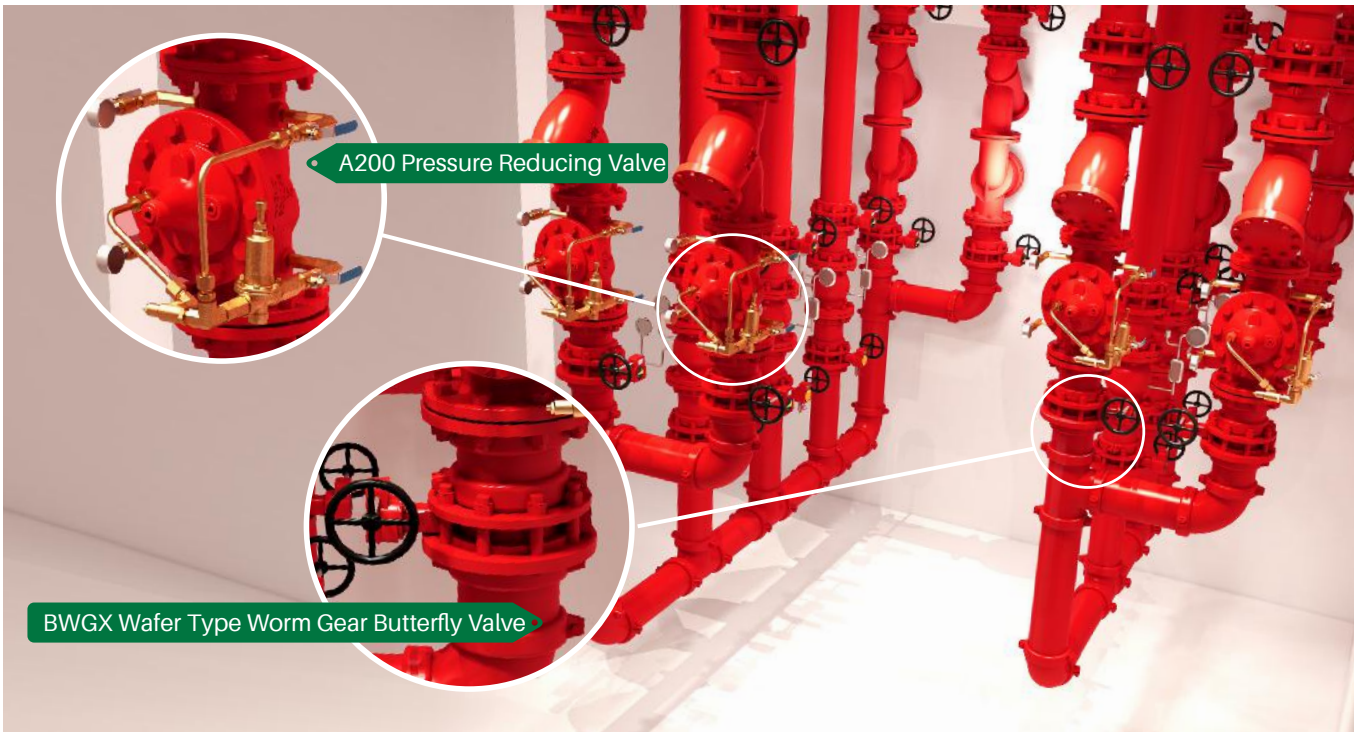
A500 Pressure Relief Valve

Comply with CJ/T219 product standards;
Hydraulic control, no external driving force is required;
The main valve has only one combained moving part, low failure rate;
Diaphragm structure, no friction, high control sensitivity;
The valve relief pressure is adjustable, and the performance indicators comply with CJ/T219 Standard; the reseating pressure complies with CJ/T219 standard and is within 0.15MPa lower than the set pressure.

RVRX Fire Fighting Rising Stem Gate Valve

Straight flow channel body design;
The valve wedge is fully vulcanized with EPDM rubber;
The valve wedge has a plastic guide slider for low torque performance;
The valve stem is made by rolled processing method, which has higher strength and lower torque; The shaft seal adopts three "O" shapes ring; It has an inverted back seat sealing design and can be repaired online.

Fire Fighting Pressure Reducing Valve Group



Application Description

According to the division of different water supply areas, a pressure reducing valve is intalled on the water supply pipeline to play the following roles:

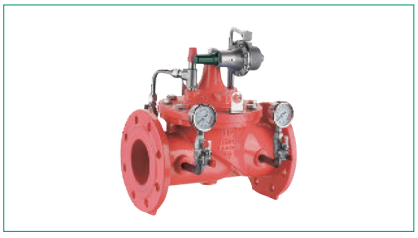
- Stabilize the water supply pressure behind the valve and do not change with the flow rate;
- Stabilize the water supply pressure behind the valve and do not change with the water supply in front of the valve changes due to pressure fluctuations;
- Reducing static pressure;
- Optional to achieve intelligent pressure management; Optional valve cartridge disc to improve cavitation resistance to meet higher pressure reduction requirement;

A200 Pressure Reducing Valve

Complies with CJ/T219, JB/T10674 standards;
Hydraulic control, no external driving force required;
The main valve has only one combained moving part, low failure rate;
Diaphragm structure, no friction, high control sensitivity, the pressure behind the valve can be set and does not change with changes in flow rate and pressure in front of the valve; it can reduce static pressure;
A200 pressure reducing valve is suitable for occasions where the cavitation coefficient is not less than 0.5; When the cavitation coefficient is less than 0.5 and greater than 0.2, the A202 high-performance adjustable pressure reducing valve can be selected.

BWGX Wafer Type Worm Gear Butterfly Valve

Concentric structure, bi-direction sealing performance, low water head loss; pinless structure; floating and wide-sided rubber seat; long through shaft design.



Signal Feedback Valve Group

Application Description

By installing the BWSX fire fighting signal feedback butterfly valve or ZSXF-Z fire fighting signal feedback gate valve at the outlet area of alarm valve in the podium building pipeline system, accurately displays the valve position, which can directly monitoring clearly the working situation of the valves in thefire fighting protection system.

BWSX Signal Feedback Butterfly Valve

Concentric structure, bi-direction sealing, low water loss; pinless structure; floating and wide-sided rubber seat; long through shaft design.

ZSXF-Z Fire Fighting Signal Feedback Gate Valve

Integral rubber-vulcanized valve wedge;
Fixed valve wedge nut; flat-bottomed valve body design; Shaft seal adopts three "O" rings;
Full-bore design, low water lost;

CCC Fire Protection Product Approved
Ministry of Emergency Management Certification Certificate.

HVAC System Valves And Controls

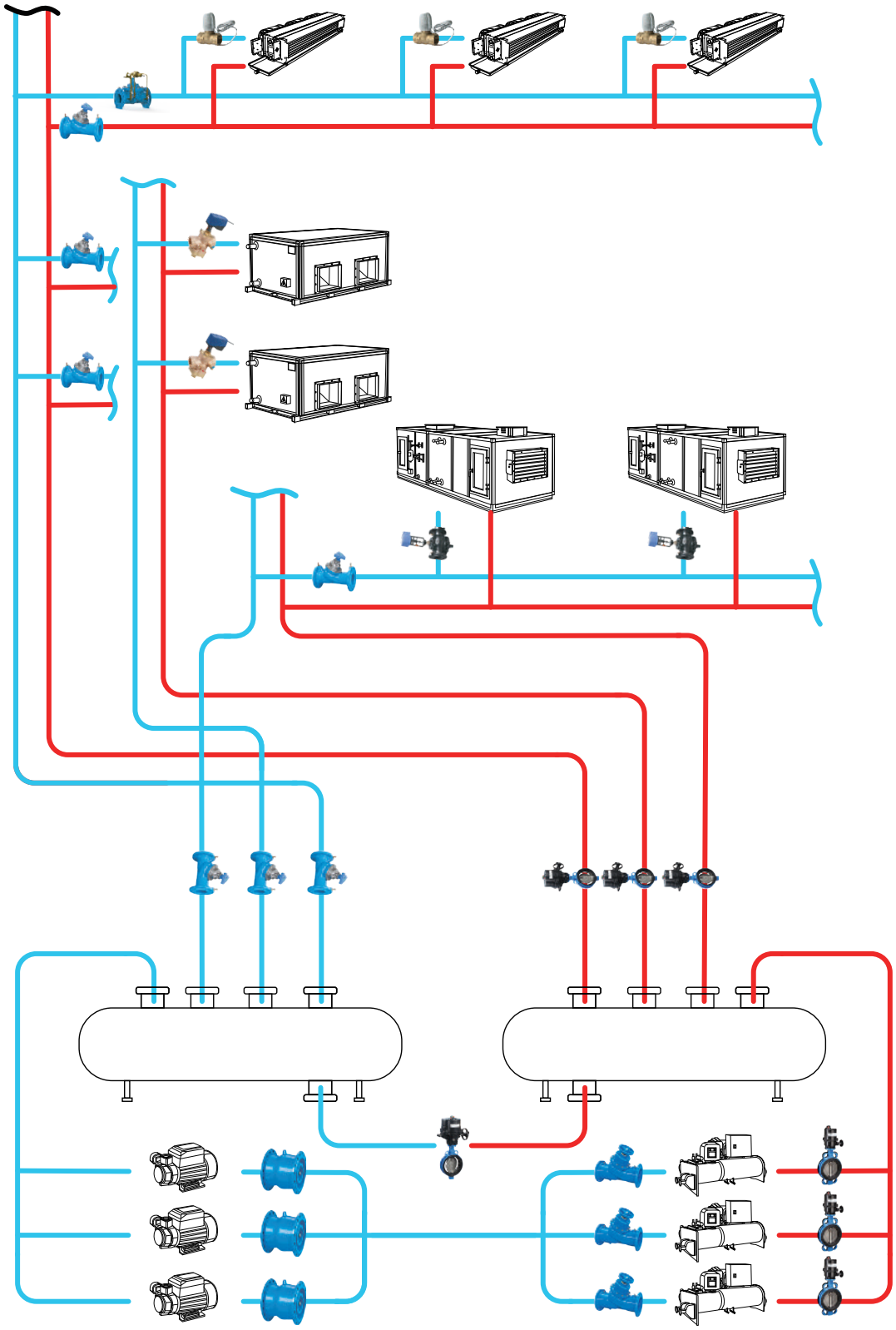
The HVAC system should always meet the comfort needs of users according to real-time changes in the environment. At the same time, it must also take into account the requirements of economy and energy saving and consumption reduction:

- According to the individualization of each project,
- Comprehensively consider the balance between comfort and necessity, and select matching
- Temperature control and hydraulic balance solutions;
- Select matching valve specifications and valve control technical parameters according to the product technical manual and system control requirements;
- Product installation and control wiring should be carefully;
- System debugging and diagnosis for initial project operation is needed;
- Maintenance training and practice is needed;
- Management services during Full life cycle of projects.

A typical commercial building may include shopping malls, offices, hotels and clubs. Its HVAC system mainly includes the following valve applications:

- Cooling tower valve group;
- Chiller/heat exchanger station valve group;
- Circulation pump station valve group;
- Water distributor and water collector / pipeline valve group;
- Air conditioning terminal unit AHU and FCU valve group.

Hydraulic Balancing Solution For Air Conditioning System



Cooling Tower Valve Group

Application Description

Installing BWTX ON/OFF motorized wafer concentric butterfly valves in the cooling tower water inlet pipe, used for switching the system when seasons changing. Installed BSPX static balancing valve in the cooling tower water inlet pipe for balance the resistance of each branch pipe to the atmospheric cooling tower. By supplying back to the cooling tower, a temperature-controlled bypass regulating valve group is installed in the middle of the water to stabilize the cooling. The temperature of the inlet and outlet water of the tower is adjusted to improve the efficiency of the equipment.

The temperature control bypass regulating valve group is combained by BWAX type motorized wafer concentric butterfly valve, temperature sensor and temperature controller.

BWTX ON/OFF Type Motorized Wafer Butterfly Valve
BWAX Modulating Type Motorized Wafer Butterfly Valve

- Concentric structure, bi-direction
- Sealing performace, low water head lost; floating and wide-sided rubber seat; long
- Long through shaft design.
- Planetary gear structure motor; temperature overload protection;
- Free hand/electric switch;
- IP67 protection grade;

BSPX Static Balancing Valve

- Comply with BS7350 product standards;
- Variable orifice design, coarse tuning can be achieved through pre-settng;
- Self-balancing cartridge disc design, low torque for small adjustment and shutoff;
- Y-shaped structure body design, large flow adjustment rage;
- Floating O-ring, zero leakage at fully closed position;
- Memory device built-in shaft, adjustable/lockable maximum opening position;
- Adjustment handwheel facilitates on the top of the handwheel, Easy to installation and debugging;
- The valve comes with a self-sealing measurement testing point, which can be used with the Bänninger Flex2 debugging instrument to facilitate hydraulic balance debugging.

Refrigerator/Heat Exchanger Valve Group

Application Description

Installing the BWTX ON/OFF motorized wafer butterfly valve at the inlet or outlet of the refrigeration chiller, to adjust the chiller by open/close butterfly valve depends different working conditions without manual operated. Installing the BWAX modulating mtorized wafer butterfly valve on the primary side of the plate type heat exchanger and installing the corresponding temperature sensor on the secondary side, the supply and return water temperature of the plate exchanger can be accurately adjusted to ensure the best heat exchange efficiency of the plate type heat exchanger.

BWGX Gearbox Operated Wafer Butterfly Valve

Concentric structure, bi-direction sealing performace, low water head lost; Stainless steel butterfly disc and valve stem; Special eccentric pin connection; floating and wide-sided rubber seat; long through shaft design.

Circulating Pump Station Valve Group

Application Description

The circulating pump station of the HVAC system is different from the general water supply pump station. It has the characteristics of low pump head, large diameter and long-term operation.

BRVB Nozzle Type Check Valve

Quick-closing structure, the valve plate is light in weight, and the spring accelerates closing, eliminating water hammer impact and water hammer moise

Axial flow structure, built-in nozzle type flow guide, low head lost;

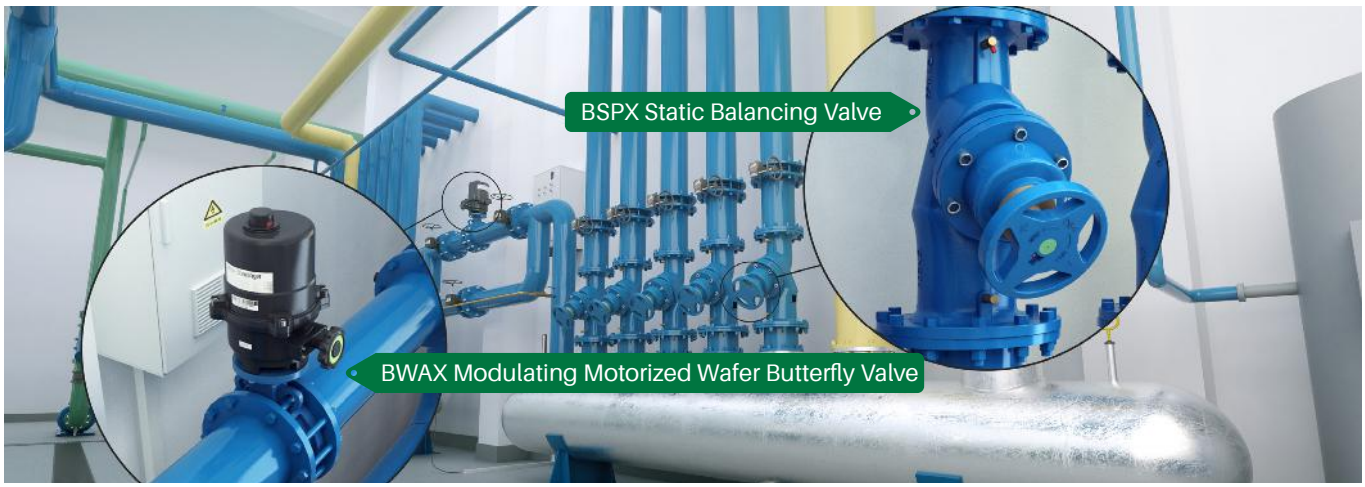
DN300 and above are stainless steel metal seals with long service life and zero leakage;

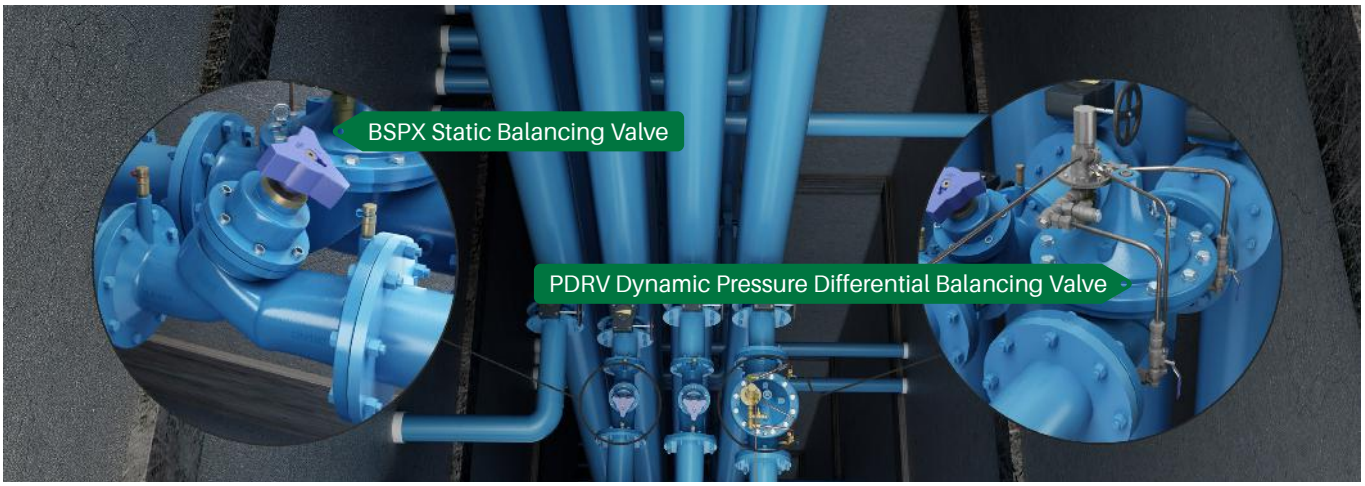
DN300 and above are shaftless designs, which will not cause jamming during working;

Maintenance free;

Install at any position according to the direction of the flow arrow;

Water Distributor And Water Collector / Pipeline Valve Group





Application Description

By installing a pressure differential bypass regulating valve group in the bypass pipe between the water distributor and the water collector, the chilled water supply and return water control pressure difference can be stabilized. The differential pressure bypass regulating valve group can be composed of a BWAX modulating type motorized wafer butterfly valve, a differential pressure sensor and a PID controller, or an A800 self-operated differential pressure bypass control valve;
By installing the BSPX static balance valve on the return pipe of the water collector, it plays a flow limiting role during initial operation and debugging. During normal operation, system operation diagnosis can be carried out by measuring the flow of each branch system;
by Installing the BSPX static balance valve on the water supplying pipeline in the tube well, and installing the PDRV dynamic pressure differential balance valve on the return pipe, can achieve regional maximum flow setting and constant pressure difference functions, which can eliminate both static and dynamic hydraulic imbalances.

PDRV Dynamic Balancing Valve

Installed on the tube well return pipeline to keep pressure difference regional balance between supply and return pipeline.
Hydraulic control, no need external driving force; The main valve has only one moving part, low failure rate;
Diaphragm structure, no friction, high control sensitivity;
The control pressure difference is adjustable,
The control pressure difference range is: 20KPa~150KPa; Pressure difference control accuracy ±5%

A800 Pressure Differential By-Pass Control Valve

Installed the A800 Pressure differential by-pass control valve on the bypass pipeline between the water collectors and water distributor, make the pressure difference stable between the water supply and return pipeline;
Hydraulic control, no external driving force is required; The main valve has only one moving part, low failure rate;
Diaphragm structure, no friction, high control sensitivity;The control pressure difference is adjustable.

Air Conditioning Terminal Valve Group

Application Description

By installing a T2SX ON/OFF type two-way temperature control valve in the return pipe at the end of the fan coil unit, and working with the temperature control panel, room constant temperature control can be achieved.

By installing the TBSX/TBFX pressure independence control valve on the return pipe of the fresh air unit/air handling unit, the fresh air unit/air handling unit can always maintain the set flow rate when the valve is opened, and the flow change will not be affected by the system pressure difference. The fluctuation of the flow rate of the regulating valve caused by the change of the system pressure difference is avoided, to avoid repeated movements of the temperature control valve and avoid reducing the comfort of the air conditioning system.

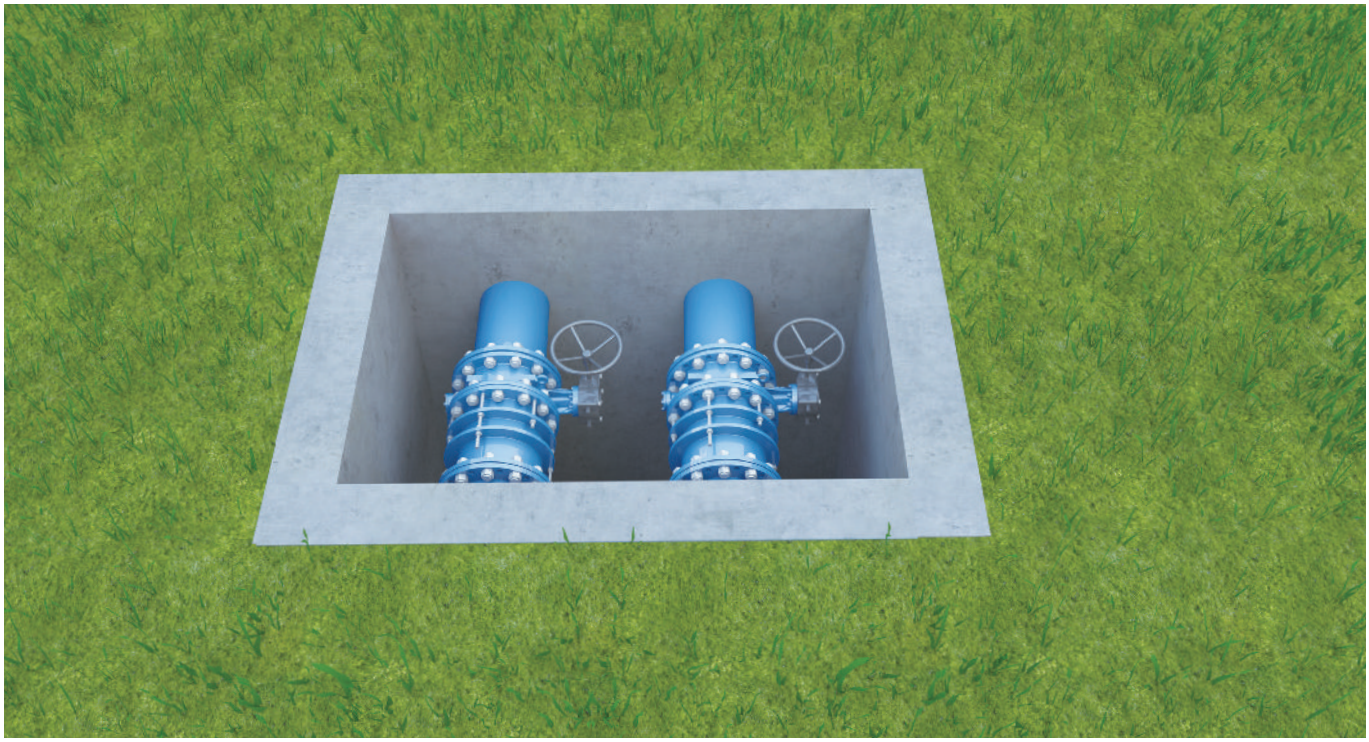
T2SX Two-Way Temperature Control Valve

- Quick connect structure; push-fit;
- No water head impact, no opening and closing noise;
- Max pressure difference: 350KPa,
- Zero leakage sealing performance;
- Actuators made in Germany, It has the full opening function at first running.

TBSX /TBFX Pressure Independence Control Valve

- Three-in-one function: electrical adjustment + differential pressure control + static balance;
- Using a straight-stroke self-balanced piston cartridge d isc design, linear flow adjustment can be achieved;
- Kvs is adjustable and the maximum flow rate can be li mited; The pressure difference control range is large and the flow adjustment accuracy is high;
- It has a variety of input signal options and is easy to convert; Actuators made in Germany;
- Rubber soft seal can achieve zero leakage within the working pressure difference range;
- It has an anti-sticking protection function to solve the problem of moving parts stucking caused by long-term use.

Eccentric Butterfly Valve



Application Description

In the water delivery network, BFGX flanged worm gear type eccentric butterfly valve is mainly used to cut off the water flow during maintenance or abnormal conditions.

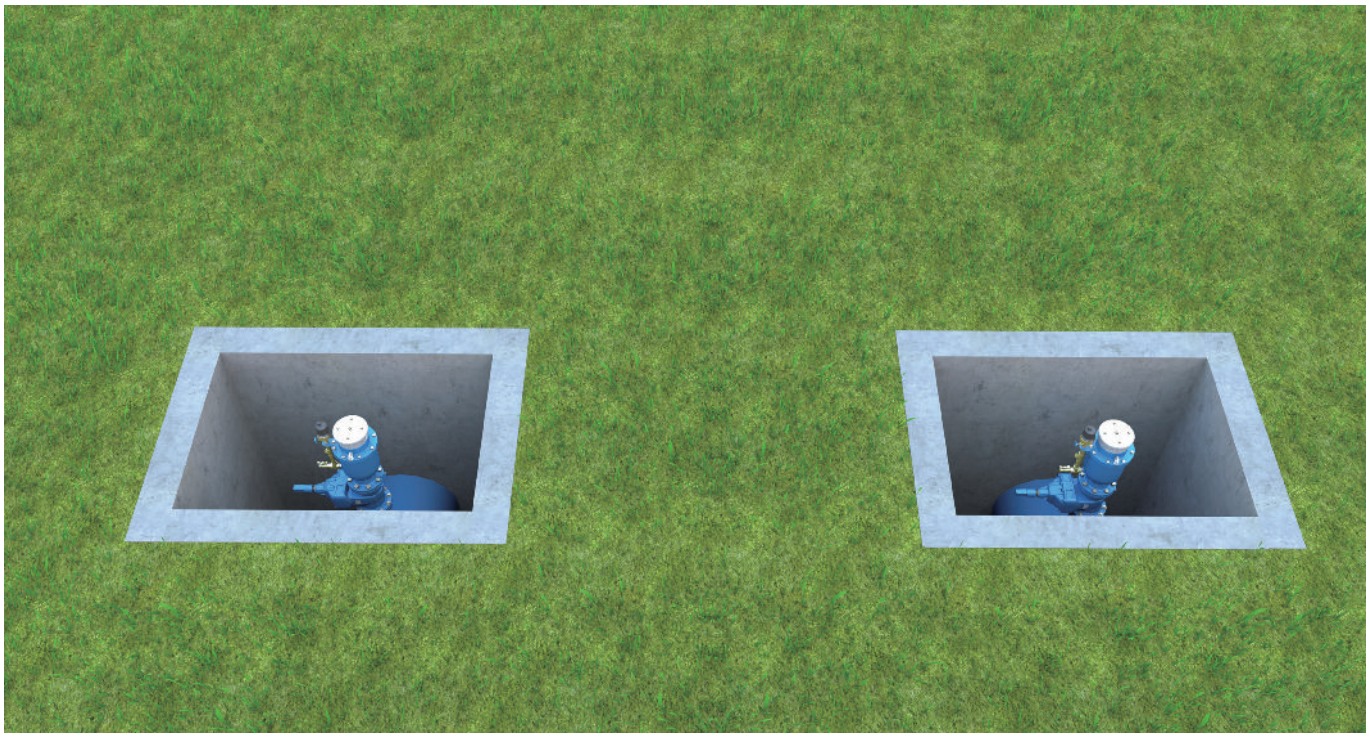
BFGX Flanged Worm Gear Type Eccentric Butterfly Valve

- The butterfly has double plates truss structure hydrodynamically disc, which has high strength and low water lost;
- The valve seat is made of stainless steel, which is wear-resistant and corrosion-resistant, ensuring the long-term stability and reliability.
- The sealing ring is fixed to the valve by the stainless stell retainer ring, and the EPDM rubber sealing compression amount is adjustable and easy to replace;
- Special eccentric pin between the disc and stem, reliable connection, and detachable, convenient for maintenance of the valve and extending the service life of the main valve;
- "V" type rubber sealing ring, internal pressure self-tightening shaft seal design, long life cycle and maintenance-free;
- Internal hygienic epoxy coating , meeting drinking water requirements.

B2F Double Flange Dismantling Joint

- The bolts and nuts are made of stainless steel, and the body is fully coated with epoxy coating, which has good anti-corrosion performance;
- Flange connection, easy to install;
- Large expansion and contraction range, suitable for expansion and contraction displacement during valve installation and maintenance;
- Simple structure and reliable sealing .

Air Valve



Application Description

Install an AVRX combination air valve in the middle of the pipeline. When the pipeline transports water, the air valve release the air to improve the efficiency of pipeline water transport. When the pipeline is deactivated and the medium is emptied, negative pressure will appear in the pipeline, and atmospheric pressure will cause damage to the pipeline. At this time, the air valve inhales a large amount of air to make the air pressure inside the pipeline consistent with the air pressure outside the pipeline, eliminate the negative pressure, and prevent the pipeline from being damaged by negative pressure.

AVRX Air Release Valve

- Designed based on the principle of fluid dynamics, it can achieve high-speed exhaust and will not cause valve failure to close due to the negative pressure generated by high-speed air flow.
- Microexhaust function is available
- The valve has high sensitivity. When negative pressure occurs in the pipeline, it can quickly open and suck in a large amount of air to prevent pipeline rupture.
- The floating ball is made of stainless steel, has long service life, high pressure-bearing capacity, and is safe and reliable.

Nozzle Check Valve

Application Description

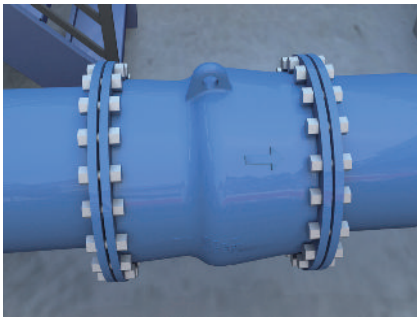
Install the BFTX ON/OFF type motorized eccentric butterfly valve in front of the check valve. When the water pump starts, the electric butterfly valve will slowly open to avoid overloading of the water pump and effectively protect the water pump.
By installing a BRVB nozzle check valve at the water pump outlet, when the water pump stops, the water hammer can be effectively reduced.
Install the C2F dismantling joint on the pipeline. When the equipment and pipeline are installed and inspected, the installation size can be flexibly adjusted according to the on-site conditions. During normal operation, axial push and pull force can be transmitted to the entire pipeline to protect the safety of pumps and valves.
By installing a surge anticipator valve on the main bypass pipe at the outlet of the water pump, the pressure in the water delivery system will be released once the pressure exceeds the set value to preventing pipe bursts.

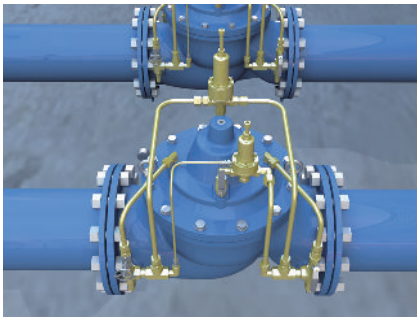
BRVB Nozzle Check Valve

- The valve disc has a short closing stroke and the spring accelerates the closing, which effectively reduces the water column separation time, avoids the huge water hammer noisy caused by water hammer. The nozzle check valve has a built-in flow guide structure to reduce water head lost.
- There are no external pipes and accessories, making transportation and installation easy.

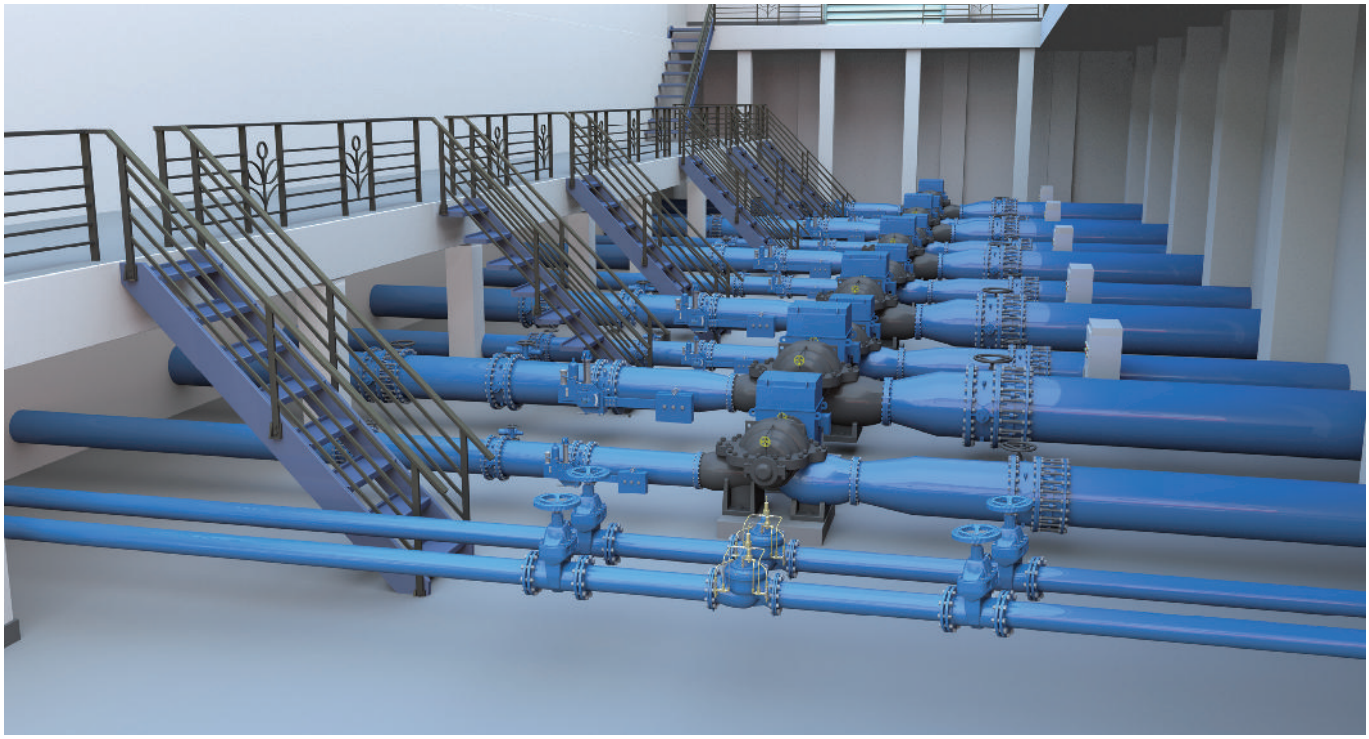
A502 Surge Anticipation Valve

- When positive pressure water hammer occurs in the pipeline and is higher than the set value, the valve will quickly open to drain and relieve pressure;
- When the pressure returns to normal value, it will slowly close;
- The closing speed can be adjusted to eliminate pressure fluctuations and will not cause fluctuations due to valve closing ;The valve body is straight-through design, the inlet and outlet flanges are on the same axis, making it easy to install;
- It has both soft sealing and hard sealing dual structure, with reliable performance and long service life; It adopts high quality reinforced nylon diaphragm, which has sensitive action, reliable performance and long service life.





BFYC Tilting Check Valve With Hydraulic Damper

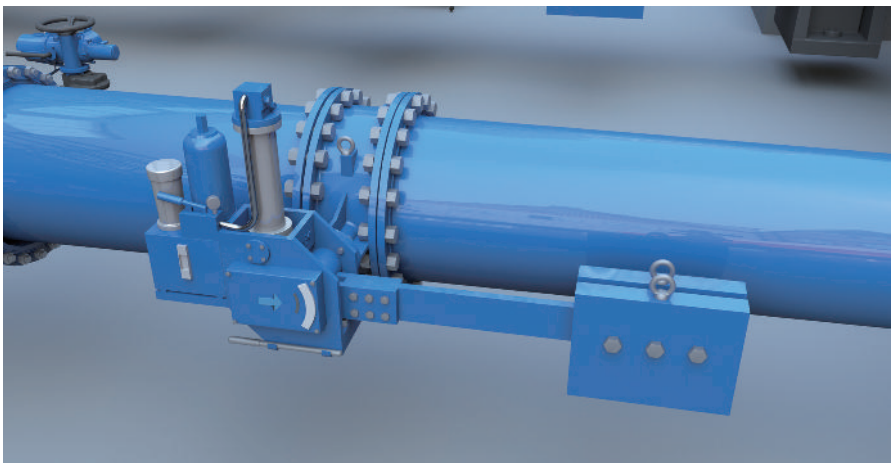


Application Description

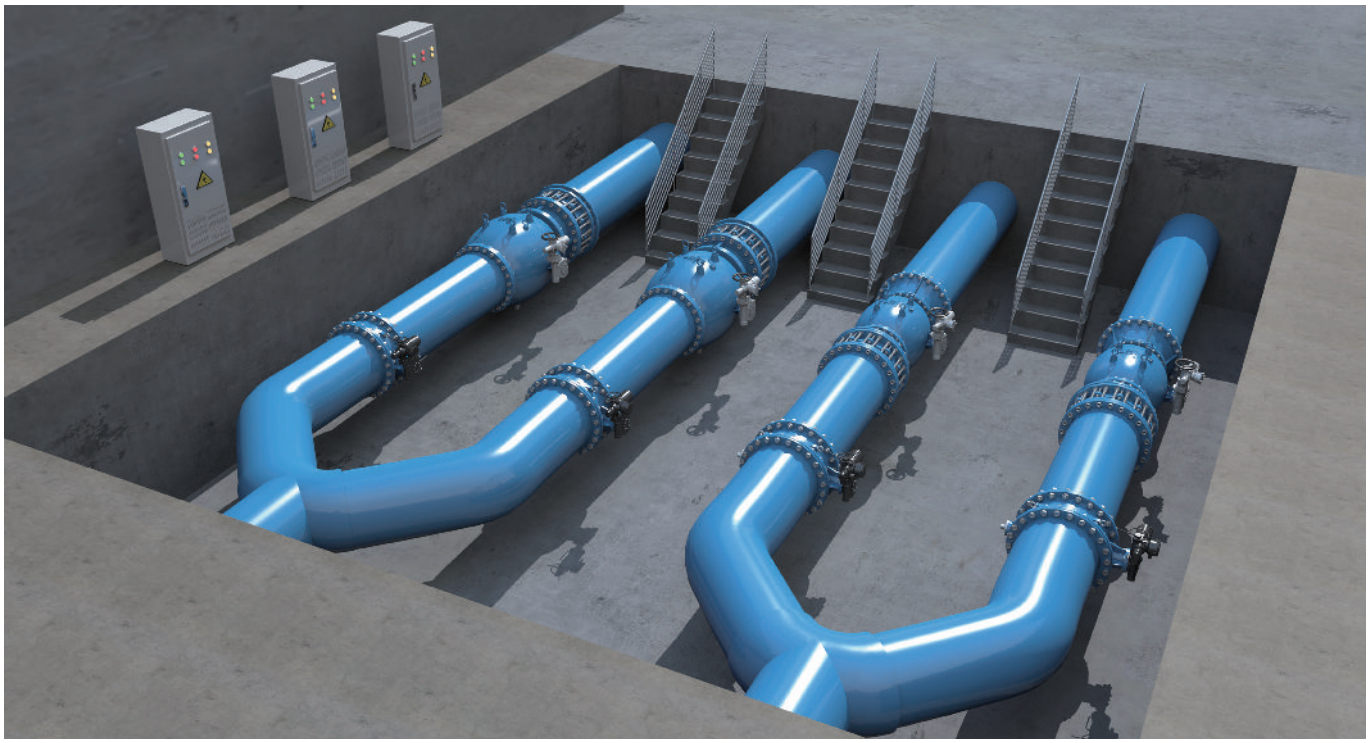
By installing BFYC butterfly check valve with hydraulic damper at the outlet of the water pump to achieve pump-valve linkage with the water pump, it is easy to start the pump first and then open the valve, or open the valve first and then start the pump. When the pump stops or the pump accidentally trips, it can be reliably closed to prevent the water from flowing back, and has the function of one valve replacing two valves (gate valve and check valve).

BFYC Butterfly Check Valve With Hydraulic Damper

- According to the design, the butterfly check valve can automatically quick-slow closig by two-stages according to the predetermined time and designed angle under normal power supply and sudden power outage.
- It has wide adjustment range and strong adaptability. It can eliminate destructive water hammer, prevent flyaway accidents, effectively reduce pressure fluctuations in the pipe network system, and protect equipment safe and reliable;
- The flow resistance coefficient is small, only 0.1~0.6, it has good energy saving performance.



Plunger Valve



Application Description

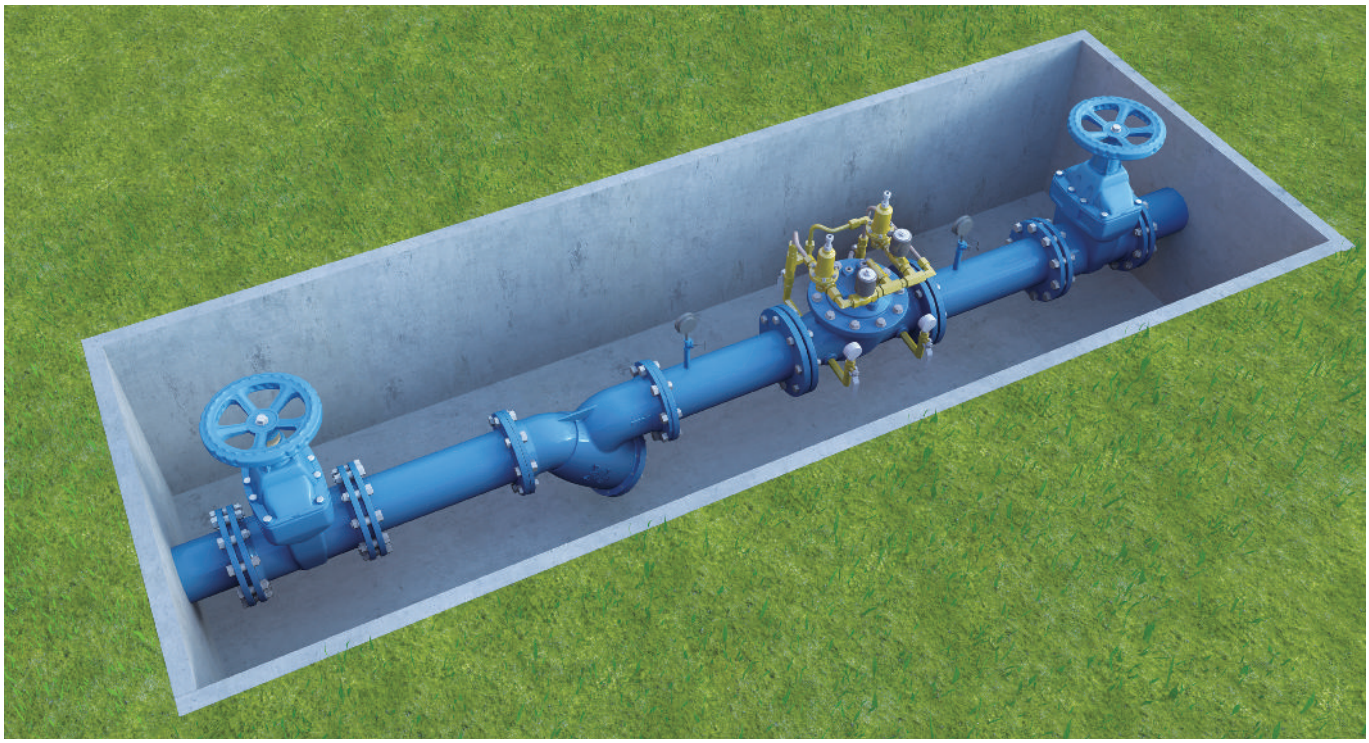
The elevated tank of a water plant plays an extremely important role in the storage and distribution of water . The most important task is the precise adjustment of the water level, which places very high requirements on the valves used. By installing the RCEX electrical plunger valve, matched with the liquid level sensor and control system, the liquid level can be accurately adjsted.

The RCEX electrical plunger valve is installed in the pieline network, which can intelligently adjust the valve opening according to the downstream water demand, control the flow and pressure of the downstream pipel ine network, and reduce the risk of leakage and pipe explosion.Install the BFGX flange-type worm gear type eccentric butterfly valve in front of the RCEX electrical plunger valve to cut off the water flow during maintenance of the electrical plunger valve.

RCEX Plunger Valve

- Control the water flow to collide in the center of the sleeve, with good energy dissipation effect;
- The innor parts are made of austenitic stainless steel, with long service life;
- The sleeve adopts a self-balancing structure, which can achieve zero leakage during shutdown;
- The sleeve slides using bronze guide rails guidance, accurate and stable operation;
- The valve can accurately adjust and control pressure, flow, and liquid level.

Intelligent Pressure Reducing Valve

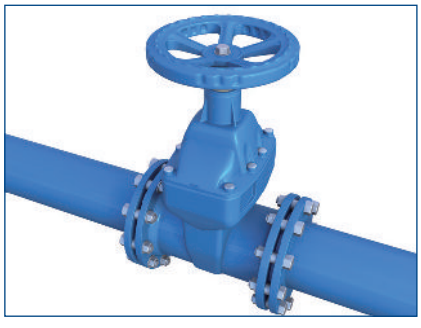


Application Description

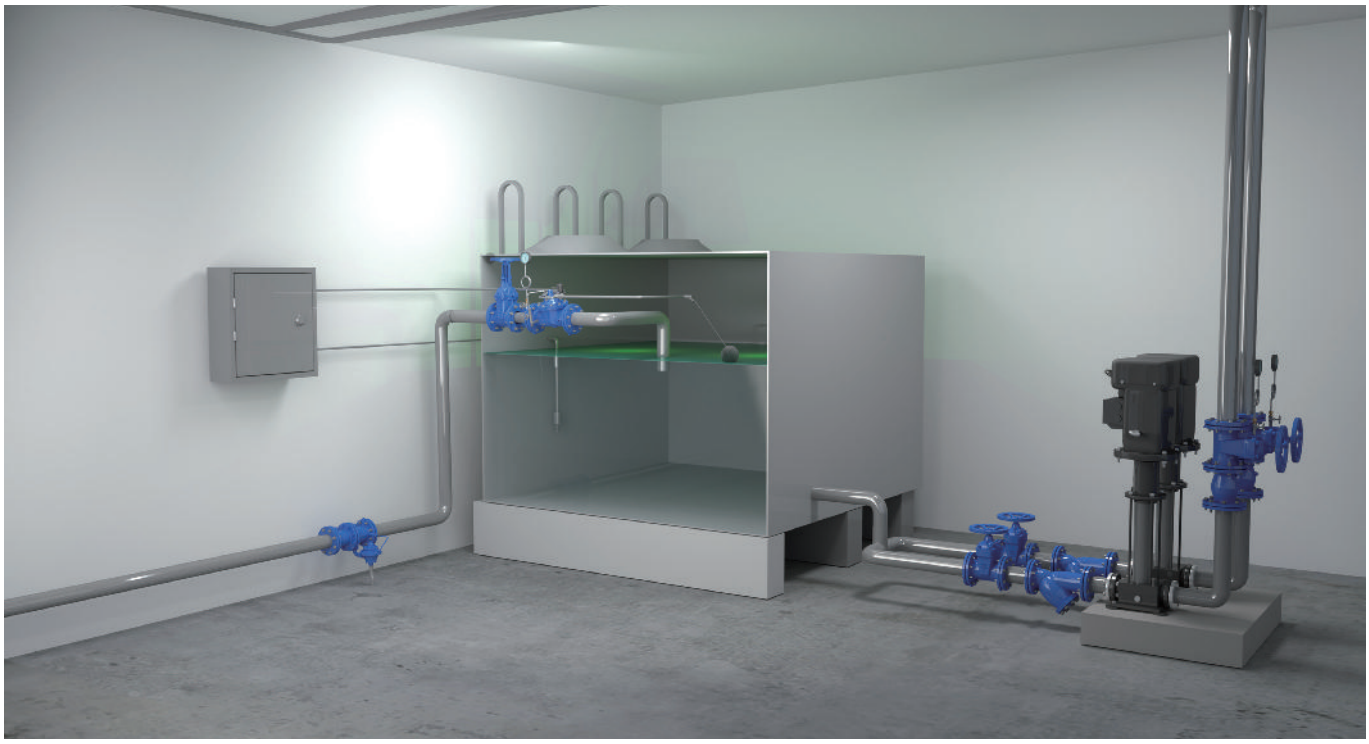
Installing time-sharing pressure reducing valves on urban water main pipes can effectively reduce the leakage rate of the urban water supply network, and obtain different water supply pressures through the pressure reducing valves during peak and flat periods of water supply.

RVHX Non-Rising Resilient Seated Gate Valve

- Wedge fully vulcanized with EPDM rubber, which has strong corrosion resistance;
- It adopts a flat-bottomed valve body and a full-bore design, which has strong flow capacity and will not block of waste things;
- The shaft seal adopts three "O" ring seals, which ensures reliable sealing.



Solenoid Control Floating Valve



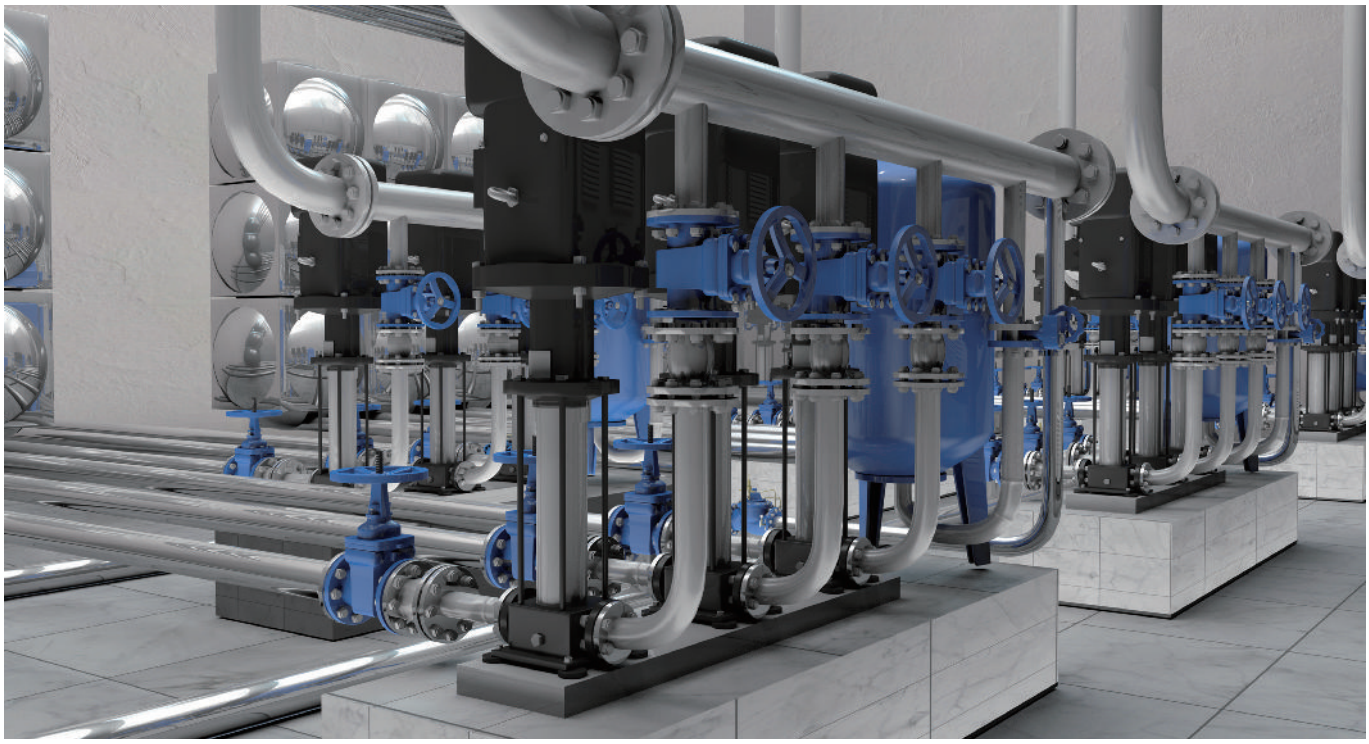
Application Description

By installing the A106 solenoid control floating valve on the pipeline of the water supply tank, the water tank can be automatically replenished. After the liquid level reaches the set water level, the remote control float valve will automatically close and stop replenishing water.

A106 Motor Control Floating Valve

- The product is hydraulically controlled and does not require external driving force.
- Diaphragm structure, no friction, high control sensitivity.
- The main valve and the float ball are installed separately to avoid waves impact the float ball when the main valve replenishing water.
- Stainless steel valve body material is available for option.

Secondary Water Supply Pump Station Valve Group



Application Description

By installing a CVSR stainless steel silent check valve at the water pump inlet and outlet, water hammer can be effectively eliminated when the water pump is stopped.

By installing the RVRX rising stem resilient seated gate valve at the pump inlet and pump outlet, it is used for pump maintenance and shutdown.

By installing the A500 pressure relief valve on the water pump outlet bypass pipe, it will release the water and pressure through the by-pass pipeline once pressure in the main pipe exceeding the set pressure, effectively preventing pipe explosion.

CVSR Stainless Steel Silent Check Valve

- The closing stroke of the valve core is short, and the spring accelerates the closing, which effectively reduces the water column separation time and avoids the damage caused by water hammer.
- The nozzle check valve has a built-in flow guide structure to reduce water head lost.
- No need external pipes, parts and accessories, easy to transport and install.

RVRX Rising Stem Resilient Seated Gate Valve

- Wedge fully vulcanized with EPDM rubber, which has strong corrosion resistance; 3 O-ring sealing, zero leakage, safe and reliable.
- Fully vulcanized wedge, corrosion resistant. Wedge with plastic guide rail on two sides, reduces friction, reduces torque. Full bore, resilient seated, no water head lost.
- Electrostatically applied epoxy powder internally and externally.

Zone Control Pressure Reducing Valve Group

Application Description

By installing the A200 adjustable pressure reducing valve on the main pipe, to make sure the safety running of the equipment after the pressure reducing valve, to avoid high pressure cause jitter and whistling caused by pipeline cavitation.

A200 Adjustable Pressure Reducing Valve

- Hydraulic control, no external driving force is required;
- The main valve has only one moving part, low failure rate;
- Diaphragm structure, no friction, high control sensitivity;
- The pressure behind the valve does not change with the change of the pressure in front of the valve;
- The pressure behind the valve does not change with changes in system flow;
- Good static pressure reduction effect;
- Wide pressure adjustment range behind the valve;
- A202 series nozzle type pressure reducing valve can be selected for special working conditions.

In Door Valve Group

Application Description

A BAGB lockable gate valve is installed at the water meter inlet to facilitate water supply shutdown and maintenance by water plant officially.

By installing a PTVS in door pressure reducing valve at the water meter outlet, the pipeline is protected and the water pressure is stabilized to ensure residents' water consumption.

Installing a quick joint check valve in the household pipeline can prevent the backflow of media caused by indoor air collection when the municipal water supply is cut off, and avoid user lostes caused by incorrect measurement by water meters. Install a BAGV gate valve behind the water meter to facilitate indoor maintenance.

BAGB Threaded Lockable Brass Gate Valve

- Fully automatic equipment processing, reliable materials and stable quality;
- Magnetic encryption locking structure design.

PTVS Threaded Brass Pressure Reducing Valve

- Direct-acting diaphragm spring structure;
- Smooth and sensitive pressure reduction;
- Suitable for branch pipes in high-rise apartment buildings and residential areas

HSCV Threaded Brass Quick Joint Check Valve

- The valve disc is flexible and the water lost is low; Reliable back-stop prevents function from flowing back.

BAGV Threaded Brass Gate Valve

- The material is reliable and the quality is stable;
- It is used to cut off the medium in the pipe network, and the water lost is low when fully open;

BWLX Wafer Type Lever Operated Concentric Butterfly Valves

- Stainless Steel Disc
- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BWLE Wafer Type Lever Operated Concentric Butterfly Valves

- DI+Nylon Disc
- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Ductile iron+Nylon Coating
Stem: SS420
Seat: EPDM

Optional

Seat: other material available
Temperature rang: according to sealing material

BWGX Wafer Type Worm Gear Concentric Butterfly Valve

- Stainless Steel Disc
- DN350~DN600, self lubricating bearings
- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Pinless structure: DN50-DN300: square stem head connection; DN350-DN600: hexagonal stem head connection
- Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BWGE Wafer Type Worm Gear Concentric Butterfly Valve

› DI+Nylon Disc

- › DN350~DN600, self lubricating bearings
- › Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350-DN600: hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Ductile iron+Nylon Coating
Stem: SS420
Seat: EPDM

Optional

Seat: other material available
Temperature rang: according to sealing material

BWT(A)X Wafer Type Pneumatic ON/OFF (Modulating) Concentric Butterfly Valve

› Stainless Steel Disc

- › DN350~DN600, self lubricating bearings
- › Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- › Long Straight Stem
- › Special eccentric pin connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Actuator brand: Bänninger
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage: AC24V/110V, 380V,50/60Hz, DC24V available

BWPX(A) Wafer Type Pneumatic ON/OFF (Modulating) Concentric Butterfly Valve

› Stainless Steel Disc

- › N350-DN600, self lubricating bearings
- › Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- › Long Straight Stem
- › Special eccentric pin connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Actuator brand: Bänninger
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BZLX Flanged Lever Operated Concentric Butterfly Valve

› Stainless Steel Disc

› Fixed vulcanized rubber seat, low torque
› Long Straight Stem
› Pin less design, squre stem head
› Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BZLE Flanged Lever Operated Concentric Butterfly Valve

› DI+Nylon Disc

› Fixed vulcanized rubber seat, low torque
› Long Straight Stem
› Pin less design, squre stem head
› Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Ductile iron+Nylon Coating
Stem: SS420
Seat: EPDM

Optional

Seat: other material available
Temperature rang: according to sealing material

BZGX Flanged Worm Gear Concentric Butterfly Valve

› Stainless Steel Disc

› DN350~DN600, self lubricating bearings
› Fixed vulcanized rubber seat, low torque
› Long Straight Stem
› Pinless structure: DN50-DN300: square stem head connection; DN350-DN600: hexagonal stem head connection
› Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BZGE Flanged Worm Gear Concentric Butterfly Valve

› DI+Nylon Disc

- › DN350~DN600, self lubricating bearings
- › Fixed vulcanized rubber seat, low torque
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350-DN600: hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Ductile iron+Nylon Coating
Stem: SS420
Seat: EPDM

Optional

Seat: other material available
Temperature rang: according to sealing material

BZT(A)X Flanged ON/OFF(Modulating) Concentric Butterfly Valve

› Stainless Steel Disc

- › DN350~DN600, self lubricating bearings
- › Fixed vulcanized rubber seat, low torque
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350-DN600: hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Actuator brand: Bänninger
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage:AC24V, 110V, 380V, 50/60Hz, DC24V available

BZPX(A) Flanged Pneumatic ON/OFF (Modulating) Concentric Butterfly Valve

› Stainless Steel Disc

- › DN350~DN600, self lubricating bearings
- › Fixed vulcanized rubber seat, low torque
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350-DN600: hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Actuator brand: Bänninger
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BLLX Lug Type Lever Operateded Concentric Butterfly Valve

- Stainless Steel Disc
- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BLLE Lug Type Lever Operateded Concentric Butterfly Valve

- DI+Nylon Disc
- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Ductile iron+Nylon Coating
Stem: SS420
Seat: EPDM

Optional

Seat: other material available
Temperature rang: according to sealing material

BLGX Lug Type Worm Gear Concentric Butterfly Valve

- Stainless Steel Disc
- DN350~DN450, self lubricating bearings
- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Pinless structure: DN50-DN300: square stem head connection; DN350~DN450; hexagonal stem head connection
- Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN450
Nominal pressure: PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BLGE Lug Type Worm Gear Concentric Butterfly Valve

› DI+Nylon Disc

- › DN350~DN450, self lubricating bearings
- › Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350~DN450 hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN450
Nominal pressure: PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Ductile iron+Nylon Coating
Stem: SS420
Seat: EPDM

Optional

Seat: other material available
Temperature rang: according to sealing material

BLT(A)X Lug Type ON/OFF (Modulating) Concentric Butterfly Valve

› Stainless Steel Disc

- › DN350~DN450, self lubricating bearings
- › Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350~DN450 hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN450
Nominal pressure: PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Actuator brand: Bänninger
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage:AC24V, 110V, 380V, 50/60Hz, DC24V available

BLPX(A) Lug Type ON/OFF (Modulating) Pneumatic Concentric Butterfly Valve

› Stainless Steel Disc

- › DN350~DN450, self lubricating bearings
- › Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- › Long Straight Stem
- › Pinless structure: DN50-DN300: square stem head connection; DN350~DN450 hexagonal stem head connection
- › Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN450
Nominal pressure: PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Actuator brand: Bänninger
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BWGX Wafer Type Worm Gear Concentric Butterfly Valve

› Stainless Steel Disc PN25

› Fixed vulcanized rubber seat, low torque
› Long Straight Stem
› Special eccentric pin connection
› Standard flange connection

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN300
Nominal pressure: PN25
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BWLS Stainless Steel Wafer Type Lever Operated Concentric Butterfly Valves

› Floating Seat, Widly Groove Sealing EPDM Rubber Seat
› Long Straight Stem
› Special eccentric pin connection
› Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BWGS Stainless Steel Wafer Type Worm Gear Concentric Butterfly Valve

› Floating Seat, Widly Groove Sealing EPDM Rubber Seat
› Long Straight Stem
› Special eccentric pin connection
› Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BWT(A)S Stainless Steel Wafer Type Electric ON/OFF (Modulating) Concentric Butterfly Valve

- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Special eccentric pin connection
- Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage:AC24V, 110V, 380V,50/60Hz, DC24V available

BWP(D)S Stainless Steel Wafer Type Pneumatic ON/OFF (Modulating) Concentric Butterfly Valve

- Floating Seat, Widly Groove Sealing EPDM Rubber Seat
- Long Straight Stem
- Special eccentric pin connection
- Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BZLS Stainless Steel Flanged Lever Operated Concentric Butterfly Valve

- Fixed vulcanized rubber seat, low torque
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN150
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BZGS Stainless Steel Flanged Worm Gear Concentric Butterfly Valve

- Fixed vulcanized rubber seat, low torque
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BZT(A)S Stainless steel Flanged Electric ON/OFF (Modulating) Vconcentric Butterfly Valve

- Fixed vulcanized rubber seat, low torque
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

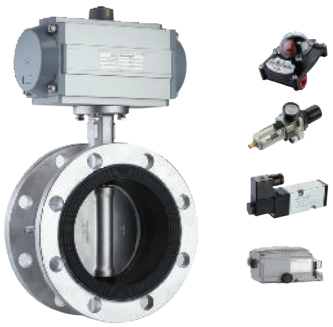
Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage:AC24V, 110V, 380V, 50/60Hz, DC24V available

BZP(D)S Stainless Steel Flanged Pneumatic ON/OFF (Modulating) Concentric Butterfly Valve



- Fixed vulcanized rubber seat, low torque
- Long Straight Stem
- Pin less design, squre stem head
- Standard flange connection

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: CF8
Disc: CF8
Stem: SS420
Seat: EPDM

Optional

Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BWGC Wafer Type Worm Gear High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat: RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BWT(A)C Wafer Type Electric ON/ OFF (Modulating) High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat: RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage: AC24V, 110V,380V,50/60Hz,DC24V available

BWP(D)C Wafer Type Pneumatic ON/ OFF (Modulating) High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat: RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BLGC Lug Type Worm Gear High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN 1092-1
Top flange standard: ISO 5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat:RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BLT(A)C Lug Type ON/OFF (Modulating) Motorized High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

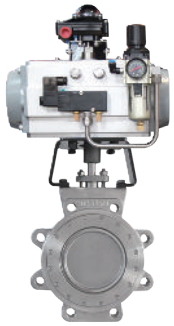
Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat:RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage:AC24V,110V,380V,50/60Hz,DC24V available

BLP(D)C Lug Type Pneumatic ON/OFF (Modulating) High Performance Butterfly Valve



› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat:RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BZGC Lug Type Worm Gear High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat:RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material

BZT(A)C Flanged Electric ON/OFF (Modulating) High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Voltage:AC220V 50Hz
IP Grade: IP67
Type: On/Off or Modulating
Intelligent electric actuator Optional

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat:RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage:AC24V, 110V,380V,50/60Hz,DC24V available

BZP(D)C Flanged Pneumatic ON/OFF (Modulating) High Performance Butterfly Valve

› Stainless Steel Disc

› Double eccentric structure, bi-direction sealing
› Unique dynamically sealed RPTFE design
› The lip seal structure compensates for changes in temperature and pressure.
› Long Straight Stem
› SUS304+RPTFE self lubricating bushing, small torque

Product Standard

Connection standard: EN1092-1
Top flange standard: ISO5211
Face to face standard: API609
Pressure test standard: API598

Technical Specification

Size: DN50~DN600
Nominal pressure: PN16, PN25
Temperature range: -29°C~200°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type

Main Material

Body: WCB
Disc: CF8
Stem: 17-4PH
Seat:RPTFE

Optional

Body: other material available
Disc: other material available
Seat: other material available
Temperature rang: according to sealing material
Pneumatic accessories optional
Single acting cylinder optional

BFGX Flanged Worm Gear Eccentric Butterfly Valve

› DI+Epoxy Coating

› Double plates truss structure hydrodynamically disc, high strength
› Special eccentric pin connection
› The sealing ring is fixed to the disc by the retainer ring. The compression amount is adjustableand easy to replace.
› The axial position of the disc is adjustable, suitable for installation at any position
› V-shaped self-tightening EPDM rubber sealing, reliable sealing and long life

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN300~DN2400
Nominal pressure: PN10
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: GGG50
Stem: SS420
Seat:SS304
Sealing ring: EPDM

Optional

Disc: other material available

BFT(A)X Flanged Electric ON/OFF (Modulating) Eccentric Butterfly Valve

› DI+Epoxy Coating

› Double plates truss structure hydrodynamically disc, high strength
› Special eccentric pin connection
› The sealing ring is fixed to the disc by the retainer ring. The compression amount is adjustableand easy to replace.
› The axial position of the disc is adjustable, suitable for installation at any position
› V-shaped self-tightening EPDM rubber sealing, reliable sealing and long life

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN300~DN2400
Nominal pressure: PN10
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Voltage:AC380V 50Hz
IP Grade: IP68
Type: On/Off or Modulating
Power supply voltage Optional
Electric actuator Other brand available

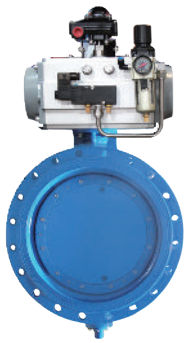
Main Material

Body: GGG50
Disc: GGG50
Stem: SS420
Seat:SS304
Sealing ring: EPDM

Optional

Disc: other material available

BFPX(A) Flanged Pneumatic ON/OFF (Modulating) Eccentric Butterfly Valve



› DI+Epoxy Coating

› Double plates truss structure hydrodynamically disc, high strength
› Special eccentric pin connection
› The sealing ring is fixed to the disc by the retainer ring. The compression amount is adjustableand easy to replace.
› The axial position of the disc is adjustable, suitable for installation at any position
› V-shaped self-tightening EPDM rubber sealing, reliable sealing and long life

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN300~DN1200
Nominal pressure: PN10
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type
Pneumatic actuator Other brand available

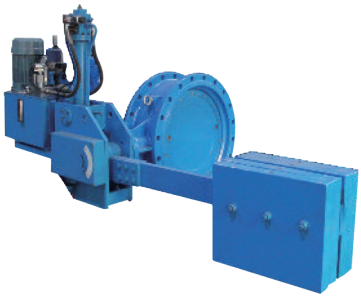
Main Material

Body: GGG50
Disc: GGG50
Stem: SS420
Seat:SS304
Sealing ring: EPDM

Optional

Disc: other material available

BFYC Butterfly Check Valve With Hydraulic Damper



› DI+Epoxy Coating

- Double plates truss structure hydrodynamically disc, high strength
- Special eccentric pin connection
- The sealing ring is fixed to the disc by the retainer ring. The compression amount is adjustableand easy to replace.
- The axial position of the disc is adjustable, suitable for installation at any position
- V-shaped self-tightening EPDM rubber sealing, reliable sealing and long life

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Top flange standard: ISO 5211
Face to face standard: ISO 5752/EN 558
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN300~DN2400
Nominal pressure: PN10
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Voltage:AC380V 50Hz
Intelligent hydraulic control device vailable

Main Material

Body: GGG50
Disc: GGG50
Stem: SS420
Seat:SS304
Sealing ring: EPDM

RVHX Non-rising Resilient Seated Gate Valve

- Flat bottom body design
- The wedge is fully vulcanized with EPDM rubber
- The disc has a plastic guide slider to reduce friction make the valve with low torque.
- Three "O" rings shaft sealing
- Rolling processing stem, high strength

Product Standard

Design standard: BS5163
Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: GGG50+EPDM
Disc nuts: copper alloy
Stem: SS420
Handwheel: GGG50

RVCX Non-rising Stem Cap Resilient Seated Gate Valve

- Flat bottom body design
- The wedge is fully vulcanized with EPDM rubber
- The disc has a plastic guide slider to reduce friction make the valve with low torque.
- Three "O" rings shaft sealing
- Rolling processing stem, high strength

Product Standard

Design standard: BS5163
Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266
Handwheel standard: BS5163

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: GGG50+EPDM
Disc nuts: copper alloy
Stem: SS420
Handwheel: GGG50

RVEX Motorized Resilient Seated Gate Valve

- Flat bottom body design
- The wedge is fully vulcanized with EPDM rubber
- The disc has a plastic guide slider to reduce friction make the valve with low torque.
- Three "O" rings shaft sealing
- Rolling processing stem, high strength

Product Standard

Top flange standard: ISO5211
Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Voltage:AC380V 50Hz
IP Grade: IP68
Type: ON/OFF
Power supply voltage Optional
electric actuator Other brand available

Main Material

Body: GGG50
Disc: GGG50+EPDM
Disc nuts: copper alloy
Stem: SS431

RVRX Rising Stem Resilient Seated Gate Valve

- Flat bottom body design
- The wedge is fully vulcanized with EPDM rubber
- The disc has a plastic guide slider to reduce friction make the valve with low torque.
- Three "O" rings shaft sealing
- Rolling processing stem, high strength

Product Standard

Design standard: BS5163
Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

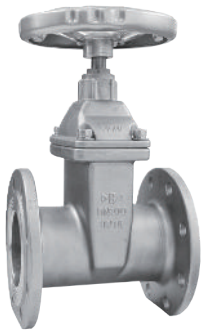
Technical Specification

Size: DN50~DN300
Nominal pressure: PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: GGG50+EPDM
Disc nuts: copper alloy
Stem: SS420
Handwheel: GGG50

RVHS Stainless Steel Non Rising Resilient Seated Gate Valve



- Flat bottom body design
- The wedge is fully vulcanized with EPDM rubber
- The disc has a plastic guide slider to reduce friction make the valve with low torque.
- Three "O" rings shaft sealing
- Rolling processing stem, high strength

Product Standard

Design standard: BS5163
Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10, PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Disc: GGG50+EPDM
Disc nuts: copper alloy
Stem: SS420
Handwheel: GGG50

BALS Stainless Steel Threaded Two Pieaces Ball Valve

- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN12266

Technical Specification

Size: DN15~DN50
Nominal pressure: PN25
Temperature range: -10°C~120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas

Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material

BATS Stainless Steel Threaded Two Pieces Electric ON/OFF Ball Valve

- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN12266
Top flange standard: ISO 5211

Technical Specification

Size: DN15~DN50
Nominal pressure: PN25
Temperature range: -10°C~120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Voltage:AC220V 50Hz
IP Grade: IP67

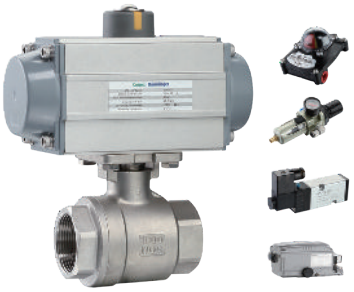
Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage: AC24V, 110V,220V, DC24V available

BAPS Stainless Steel Threaded Two Pieces ON/OFF Pneumatic Ball Valve



- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN12266
Top flange standard: ISO 5211

Technical Specification

Size: DN15~DN50
Nominal pressure: PN25
Temperature range: -10°C~120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type
Pneumatic accessories optional

Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material

BVLS Stainless Steel Flanged Lever Operated Ball Valve

- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN20~DN150
Nominal pressure: PN10/16
Temperature range: -10°C~120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas

Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material

BVGS Stainless Steel Flanged Worm Gear Ball Valve

- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN20~DN600
Nominal pressure: PN16, PN25
Temperature range: -10°C~120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas

Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material

BVTS Stainless Steel Flanged Electric ON/OFF Ball Valve

- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266
Top flange standard: ISO 5211

Technical Specification

Size: DN20~DN600
Nominal pressure: PN16, PN25
Temperature range: -10°C~120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Voltage:AC220V 50Hz
IP Grade: IP67
Intelligent electric actuator Optional

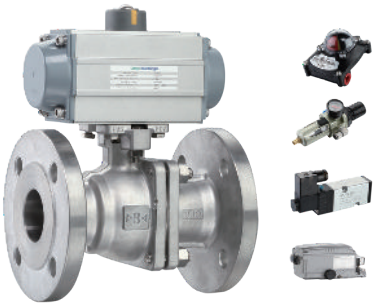
Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material
Voltage: AC24V, 110V,220V, DC24V available

BVPS Stainless Steel Flange ON/OFF Pneumatic Ball Valve



- The stem is designed with an anti-blow out
- Full bore design, small flow resistance
- PTFE sealing

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266
Top flange standard: ISO 5211

Technical Specification

Size: DN20 ~ DN600
Nominal pressure: PN16, PN25
Temperature range: -10°C~ 120°C
Sealing test: 0.6PN
Shell test: 1.5PN
Suitable for: Water, oil, gas
Air source: 5Bar-7Bar
IP Grade: IP67
Cylinder structure: double acting type
Pneumatic accessories optional

Main Material

Body: CF8
Seat:PTFE
Ball: SS304
Stem: SS420

Optional

Body: other material available
Ball: other material available
Seat: other material available
Temperature rang: according to sealing material

TTSE/TTSX Electric ON/OFF Two Way Control Ball Valve

- AC voltage bidirectional synchronous motor
- Maximum closing pressure difference: 600KPa
- In place power-off function, long actuator life
- Multiple control signal options, easy conversion

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN12266

Technical Specification

Size: DN15 ~ DN50
Nominal pressure: PN25
Temperature range: 0°C~85°C
Sealing test: 600KPa
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: Cooper alloy
Stem: SS304
Seat:PTFE

Optional

Temperature rang available

TTFE/TTFX Electric ON/OFF Two Way Control Ball Valve

- Top flanged design easy for disassembly and assembly with the actuators
- AC voltage bidirectional synchronous motor
- Maximum closing pressure difference: 600KPa
- In place power-off function, long actuator life
- Multiple control signal options, easy conversion

Product Standard

Connection standard: EN1092-2
Top flange standard: ISO5211
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN65~DN150
Nominal pressure: PN16
Temperature range: 0°C~85°C
Sealing test: 600KPa
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: Cast iron
Ball: SS304
Stem: SS420
Seat:PTFE

Optional

Temperature rang available

BSSX
Static Balancing Valve

- Y-sharp body structure, large flow adjustment range
- Built-in memory shaft, maximum opening position adjustable and lockable

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: BS 7350

Technical Specification

Size: DN15~DN50
Nominal pressure: PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: Cooper alloy
Disc: Cooper alloy
Stem: Cooper alloy
Sealing ring: EPDM

BSPX
Static Balancing Valve

- Self-balancing cartridge disc design, low torque for modulating/shut-off
- Floating O-ring, zero leakage
- Y-shaped structure, large flow adjustment range
- Built-in memory shaft, maximum opening position adjustable and lockable
- The handwheel adjustment accuracy is 0.1 turn, precise adjustment

Product Standard

Design standard: BS7350
Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: BS7350

Technical Specification

Size: DN65~DN300
Nominal pressure: PN16, PN25
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Cooper alloy
Stem: SS304
Sealing ring: EPDM

TBSX
Pressure Independence Control Valve

- Three-in-one function: electric adjustment + differential pressure control+static balance
- Kvs is adjustable and the maximum flow rate can be limited and locked
- With multiple input signal options, easy to switch the singal
- Rubber soft sealing, zero leakage
- Anti-jamming protection function.

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN12266

Technical Specification

Size: DN32~DN50
Nominal pressure: PN16
Temperature range: 0°C~85°C
Suitable for: Water

Main Material

Body: Bronze alloy
Disc: SS304
Stem: SS304
Seat:SS304
Spring: SS304

TBFX Pressure Independence Control Valve

- Three-in-one function: electric adjustment + differential pressure control+static balance
- Kvs is adjustable and the maximum flow rate can be limited and locked
- With multiple input signal options, easy to switch the singal
- Rubber soft sealing, zero leakage
- Anti-jamming protection function.

Product Standard

Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN65~DN150
Nominal pressure: PN16
Temperature range: 0℃~85℃
Suitable for: Water

Main Material

Body: GGG50
Disc: SS304
Stem: SS304
Seat:SS304
Spring: SS304

PRVS Stainless Steel Threaded Pressure Reducing Valve

- Balanced structure design, stable pressure behind the valve
- Large-size diaphragms, and the control sensitivity is high
- Lnstallation at any position

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN1567

Technical Specification

Size: DN15~DN50
Nominal pressure: PN16
Outlet pressure: 0.15~0.7MPa
Temperature range: 0℃~85℃
Suitable for: Water

Main Material

Body: CF8
Plug: SS304
Spring: SS304
Diaphragm: EPDM+Nylon

Optional

Outlet pressure adjustment range available

A100 Remote Control Floating Valve

- Diaphragm structure, no friction, high control sensitivity
- The main valve and float are installed separately.
- Minimum pressure difference between inlet and outlet water pressure: 0.035MPa
- Through-type float ball, long service life

Product Standard

Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

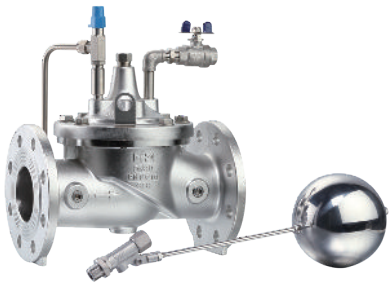
Technical Specification

Size: DN50~DN400
Nominal pressure: PN10, PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Seat:CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304
Float: SS304

A100S
Stainless Steel Remote Control Floating Valve



- Diaphragm structure, no friction, high control sensitivity
- The main valve and float are installed separately.
- Minimum pressure difference between inlet and outlet water pressure: 0.035MPa
- Through-type float ball, long service life

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10, PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Seat:CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304
Float: SS304

A200
Pressure Reducing Valve

- Diaphragm structure, no friction, high control sensitivity
- The pressure behind the valve is stable and does not affect by change of the flow rate and pressure in front of the valve.
- Reduce dynamic pressure and static pressure
- Pressure regulating range:0.15MPa~0.7MPa(PN10); 0.2MPa~1.3MPa(PN16); 0.3MPa~2.1MPa(PN25)

Product Standard

Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size:DN50~DN400
Nominal pressure: PN10, PN16, PN25
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Seat:CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304

A200S
Stainless steel Pressure Reducing Valve

- Diaphragm structure, no friction, high control sensitivity
- The pressure behind the valve is stable and does not affect by change of the flow rate and pressure in front of the valve.
- Reduce dynamic pressure and static pressure
- Pressure regulating range:0.15MPa~0.7MPa(PN10); 0.2MPa~1.3MPa(PN16)

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size:DN50~DN200
Nominal pressure: PN10, PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Seat:CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304

A300
Slow Down Check Valve

- Diaphragm structure, no friction, high control sensitivity
- Large flow, small pressure loss
- Reduce water hammer impact and noise

Product Standard

Flange connection standard: EN1092-2
Face to face standard: EN 588
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN400
Nominal pressure: PN10/16/25
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN

Main Material

Body: GGG50
Seat: CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304

A300S
Stainless Steel Slow Down Check Valve

- Diaphragm structure, no friction, high control sensitivity
- Large flow, small pressure loss
- Reduce water hammer impact and noise

Product Standard

Flange connection standard: EN1092-1
Face to face standard: EN 588
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10/16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN

Main Material

Body: CF8
Seat: CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304

A500
Pressure Relief Valve

- Diaphragm structure, no friction, high control sensitivity
- Fast opening, slower closing
- Valve relief pressure adjustable
- Pressure regulating range:
  0.15MPa~0.7MPa(PN10);
  0.2MPa~1.3MPa(PN16);
  0.3MPa~2.1MPa(PN25);

Product Standard

Flange connection standard: EN1092-1
Face to face standard: EN 588
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10/16/25
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN

Main Material

Body: GGG50
Seat: CF8
Stem: SS304
Spring: SS304
Diaphragm: EPDM+Nylon
Piping fitting: SS304

RCEX
Plunger Valve

- Axial flow structure, multi-disc design, no vortex for the medium
- Dry shaft stem design
- Long bronze alloy guide rail
- Metal-to-metal sealing and metal-to-rubber sealing, dual sealing design
- Wide linear adjustment range, stable operation, precise adjustment

Product Standard

Connection standard: EN1092-2
Top flange standard: ISO 5211
Pressure test standard: EN12266

Technical Specification

Size: DN300~DN2400
Nominal pressure: PN10, PN16, PN25
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water
Voltage:AC380V 50Hz
IP Grade: IP68

Main Material

Body: GGG50
Piston: SS304
Sleeve: SS304
Stem: SS420
Crank: CF8
Connecting rod: CF8
Hinge seat: CF8
Guide rail: Bronze alloy
Sealing ring: EPDM

Optional

Voltage: AC110V, 220V available

CVSF
Swing Check Valve

- The disc is composited by steel plate + reinforced nylon + EPDM rubber
- 45 degree quick-closing disc design, reducing water hammer damage.
- Not easy to block and easy to maintain

Product Standard

Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN400
Nominal pressure: PN10, PN16
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Disc: Steel+nylon+rubber
Sealing ring: EPDM

BRVB
Nozzle Check Valve

- Quick-closing design effectively eliminates water hammer and noise
- Axial flow design, nozzle type flow guide, low water head loss

Product Standard

Connection standard: EN1092-2
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN250
Nominal pressure: PN10, PN16,PN25
Temperature range: 0℃~85℃
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Conductive fluid: GGG50
Seat: SS304+rubber
Disc: SS304
Spring: SS304

BRVB
Nozzle Check Valve

- Quick-closing design effectively eliminates water hammer and noise
- Axial flow design, nozzle type flow guide, low water head loss
- Stainless steel metal seal, zero leakage, long life
- Shaftless design

Product Standard

Connection standard: EN1092-2
Pressure test standard: EN12266

Technical Specification

Size: DN300~DN1200
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Conductive fluid: GGG50
Seat:SS304
Disc: SS304
Spring: SS304

CVDD
Dual Plates Check Valve

- Wafer connection, compact structure
- Spring load disc, quick close, reduces water hammer damage
- Can be installed horizontally or vertically

Product Standard

Connection standard: ISO 7005-2/EN 1092-2
Pressure test standard: ISO 5208/EN 12266

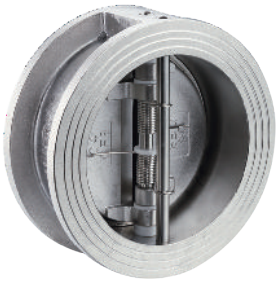
Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Stem: SS304
Disc: SS304
Spring: SS304
Seat: EPDM

CVDS
Stainless Steel Dual Plates Check Valve



- Wafer connection, compact structure
- Spring load disc, quick close, reduces water hammer damage
- Can be installed horizontally or vertically

Product Standard

Connection standard: ISO 7005-1/EN 1092-1
Pressure test standard: ISO 5208/EN 12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Stem: SS304
Disc: SS304
Spring: SS304
Seat: EPDM

YSTF
Y-strainer

- Long body full-bore design, small water loss
- Stainless steel punching screen, high strength
- The effective filtration area of the screen is more than twice of the nominal diameter area.

Product Standard

Connection standard: EN1092-2
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN600
Nominal pressure: PN10, PN16, PN25
Temperature range: 0°C~85°C
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Screen: SS304
Sealing ring: NBR

YSF
Stainless Steel Y-strainer

- Long body full-bore design, small water loss
- Stainless steel punching screen, high strength
- The effective filtration area of the screen is more than twice of the nominal diameter area.

Product Standard

Connection standard: EN1092-1
Face to face standard: EN558
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Screen:SS304
Sealing ring: NBR

AVMX(S)
Micro Exhaust Valve/Stainless Steel Micro Exhaust Valve

- stainless steel float
- lever control the ball with the sealing ring

Product Standard

Threaded connection standard: ISO 7-1
Pressure test standard: EN12266

Technical Specification

Size: DN15~DN50
Nominal pressure: PN10, PN16
Temperature range: 0°C~85°C
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50 / CF8
Float: SS304
Gasket: PTFE
Plug: SS304
Stainless steel body available

AVRX
Air Release Valve

- Aerodynamically designed for mass exhaust, micro exhaust and quick suction processes
- Big flow chamber, avoid block inside
- Composite type cylindrical float has better functions.
- Different micro exhaust nozzles to meet various exhaust requirements

Product Standard

Connection standard: EN1092-2
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN400
Nominal pressure: PN10, PN16, PN25
Temperature range: 0°C~85°C
low pressure sealing test: 0.02MPa
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: GGG50
Upper/middle/lower buoy: pp
Upper sealing ring: NBR
Micro exhaust nozzle: SS304
Screen:SS304

AVRS
Stainless Steel Air Release Valve

- Aerodynamically designed for mass exhaust, micro exhaust and quick suction processes
- Big flow chamber, avoid block inside
- Composite type cylindrical float has better functions.
- Different micro exhaust nozzles to meet various exhaust requirements

Product Standard

Connection standard: EN1092-1
Pressure test standard: EN12266

Technical Specification

Size: DN50~DN200
Nominal pressure: PN10, PN16, PN25
Temperature range: 0°C~85°C
low pressure sealing test: 0.02MPa
Sealing test: 1.1PN
Shell test: 1.5PN
Suitable for: Water

Main Material

Body: CF8
Upper/middle/lower buoy: pp
Upper sealing ring: NBR
Micro exhaust nozzle: : CF8
Screen:Stainless steel(316)

Memorandum: