



Valve

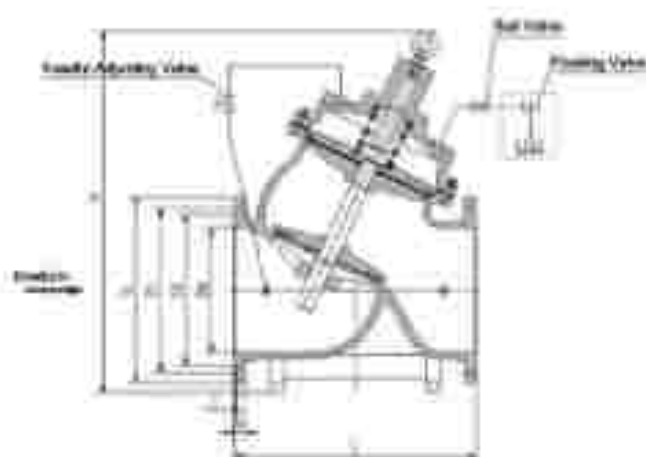
Comprehensive Catalogue

F745X Diaphragm Type Remote Control Float Valve

F745X Diaphragm type remote control float valve is mainly used for water supply pool of high-rise buildings, living quarters. Or installed at the entrance of water tower to protect water tower and to maintain water level. When water level falls, float valve will open and supply water, when water falls reaches setting height, valve will be closed. Water level controlling is precise, will not be affected by water pressure.

Advantage

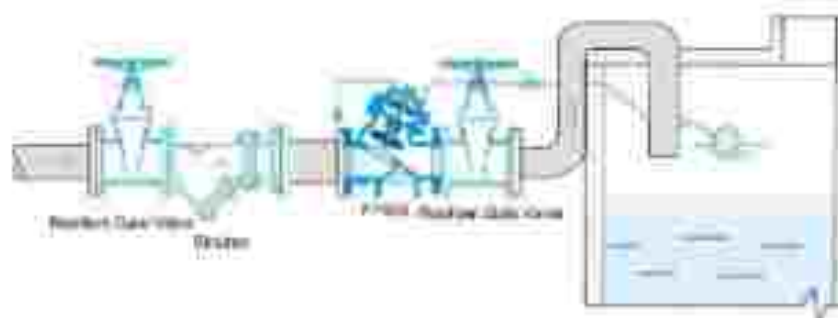
- 1 Close tightly. Main valve used rubber sealing ring, long service life for sealing element and high reliability.
- 2 Easy to operate, no electric control system needed. Valve close and opening with water level.
- 3 Valve is designed with full bore. Low head loss.



■ Main Parameters

NOMINAL PRESSURE	SHELL TEST PRESSURE	SEAL TEST PRESSURE	SUITABLE MEDIUM	MEDIUM TEMP.
MPa	MPa	MPa		℃
1	1.3	1.1	WATER	0-80
1.6	2.4	1.75		
2.5	3.75	2.75		

■ Installation



■ Connection Dimension

DN	30	35	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	240	270	290	330	360	400	500	600	620	750	740	800	900	1100	1190	1200	1300	1410	1600			
H	420	450	470	470	550	570	650	750	810	850	1050	1200	1250	1350	1450	1600						

DT106X Electric Remote Control Floating Ball Valve



DT106X electric remote control float valve is made up of main valve, media regulating valve, ball valve, electronic float switch, floating ball valve, AC220V / DC24V normally open solenoid valve and conduit. This valve is usually used for industrial and mining enterprises, water parks for civil buildings, water tower automatic water supply system, and can be used as atmospheric pressure boiler circulating water control valve. This valve added on the remote-control float valve with AC220V / DC24V normally open solenoid valve and electronic float switch, can play a double insurance role.

Under normal operating conditions, the normally open solenoid valve power is turned on, only the float valve to control the water level. When the water level of the pool or the water tower is lower than the set water level, the valve will automatically open under the pressure of the medium to supply water to the pool or the water tower, when the water level reaches the set level of the pool or the water tower, it will automatically shut down, cut off the water source, to maintain a certain water level of water tank or water tower. When the float valve failure in the pool, the water level exceeds the normal water level 10cm, the electronic float switch action, solenoid valve power off, cut off the water control pipe, the main valve slowly closed, play the role of correct control of water level.

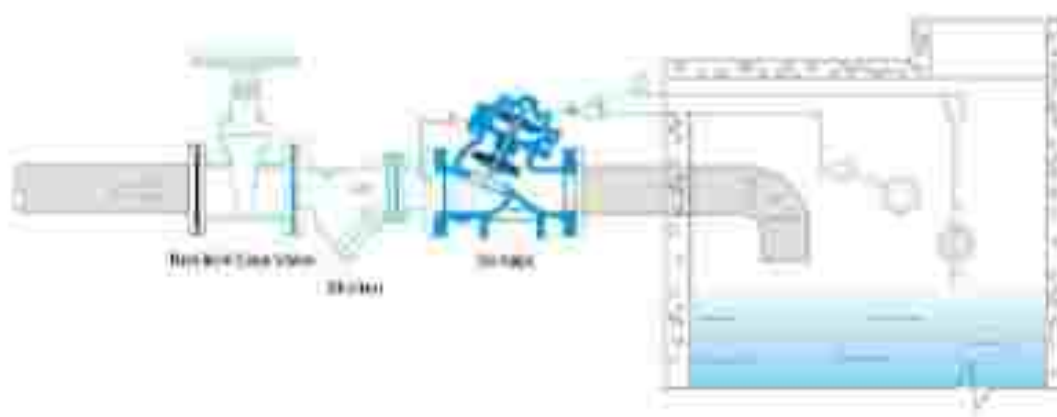


This valve uses the hydraulic principle control, the structure is novel, simple and reasonable, and the work is stable and reliable, in the work pressure scope, opens the valve, without water hammer impact. Installs the maintenance to be convenient, also has the double insurance device, the float position control accuracy is high, Not subject to changes in media pressure changes, and light weight, flexible and durable, and other fine features.

■ Main Parameters

NOOMIAL PRESSURE	SHALL TEST PRESSURE	SEAL TEST PRESSURE	SUFTABLE MEDIUM	MEDIUM TEMP
Size	MPa	MPa		℃
1	1.6	1.1	WATER	0-80
1.6	2.6	1.76		
2.5	3.75	2.15		

■ Installation



■ Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	800	900	1000	1200
L	240	270	280	290	300	380	460	530	600	620	700	740	800	1000	1140	1300	1350	1410	1600	
H	420	460	470	470	550	570	600	700	810	860	1000	1200	1280	1600	1800	1800	—	—	—	—

YX741X Adjustable Pressure Reducing/ Sustaining Valve

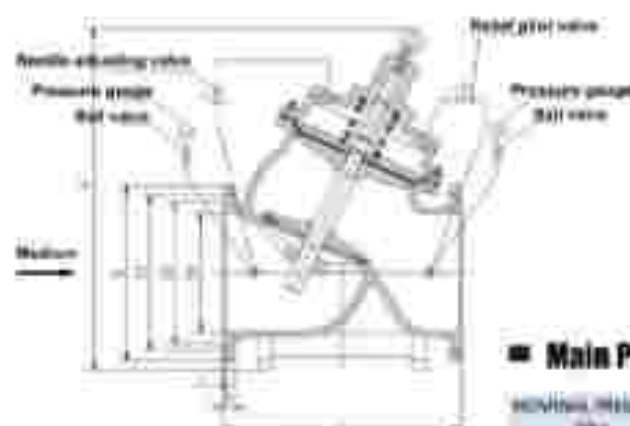


YX741X Adjustable pressure reducing and sustaining valve is composed of main valve, needle adjusting valve, ball valve and pipe system. This valve is mainly installed at the upstream of high-rise buildings, living quarters and other pipe network, to reduce or sustain the pressure of downstream pipe network. Main valve adopts the structure of diaphragm type or piston type. Set pressure is set by adjusting the pressure of relief pilot valve spring and needle valve open degree, and pressure is stabilized by feedback effect from pipe network and control room, no other device or energy needed, easy to maintain, less influenced by entrance pressure and flow, high accuracy of pressure controlling, reliable pressure reducing and maintaining.

Working Principle

When the pipe started water supply, water flows through needle valve into main valve control room, the outlet pressure affect onto the pilot valve via tube. When the outlet pressure is higher than pilot valve setting pressure, pilot valve is closed, control room stops draining, main valve control room pressure rises and the main valve will be closed, the outlet pressure will not rise any more.

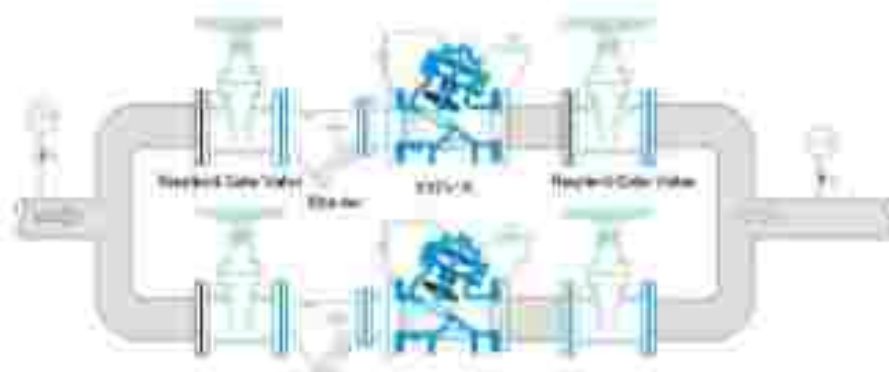
When the outlet pressure is lower than pilot valve setting pressure, control room drains to downstream. Pilot valve displacement is higher needle valve water inflow, main valve control room pressure reduces, main valve will be opened by inlet pressure. Under the stable state, control room inflow is the same as displacement, open degree will not change, set pressure will not change. Set pressure could be set by pilot valve spring.



Main Parameters

Model	Max	Max	Max	Max	Working Medium	Working Temp
YX741X-10	1.0	1.0	1.0	1.0	Water	0-50
YX741X-15	1.5	1.5	1.5	1.5		
YX741X-20	2.0	2.0	2.0	2.0		

Installation

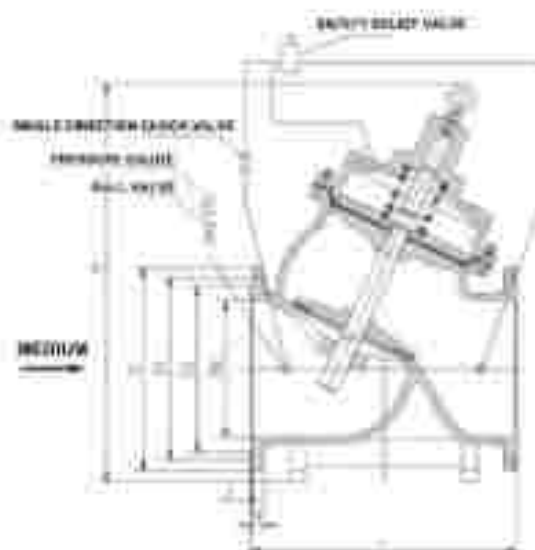


Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	240	270	280	290	300	380	460	530	600	620	700	740	800	900	1000	1100	1300	1500	1800
H	420	460	470	470	550	570	600	700	810	860	1000	1000	1200	1200	1400	1600	1800	—	—

AX742X Safety Relief/ Pressure Holding Valve

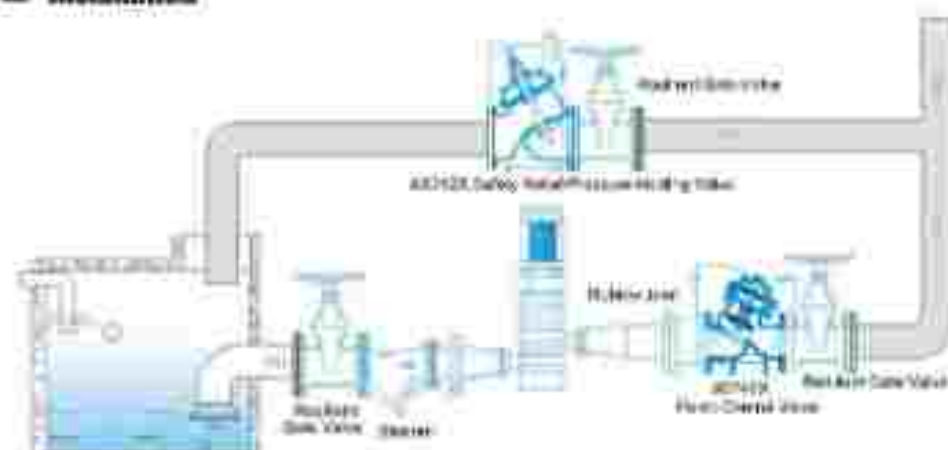
AX742X Safety relief valve/ Pressure Holding valve is mainly used for the water supply system of fire control and others, to avoid overpressure, or holding fire control water supply system pressure. After fire control pump closing, it can also reduce water hammer damage. It can also been used for water hammer device of large water supply system. This valve is composed of main valve, needle adjust valve, pilot valve, ball valve and pipe system. Main valve adopts full bore, straight way and streamline design, low head loss. Main valve could be diaphragm type or piston type.



■ Main Parameters

NOMINAL PRESSURE	SHELL TEST PRESSURE	SEAL TEST PRESSURE	Adjust Range	SUITABLE MEDIUM	MEDIUM TEMP
Mpa	Mpa	Mpa			℃
1	1.5	1.1	0.1-1	WATER	0-80
1.6	2.4	1.76	0-1.6		
2.5	3.75	2.75	0-2.5		

■ Installation



■ Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	240	270	290	290	330	360	450	535	600	625	700	745	800	1000/1050	1150	1300	1350	1410	1605
H	420	402	470	470	505	575	650	720	810	800	1050	1200	1210	1500	1600	1800	-	-	-

JD745X Multi-function Pump Control Valve



JD745X multi-function pump control valve is used in high-rise building water supply systems and other water supply system pump outlet, to prevent the medium backflow, water hammer. The valve contains electric valve, check valve and water hammer arrester three functions, can effectively improve water supply system security and reliability. And integrates slow opening, fast closing, slow closing of water hammer eliminating technical process, to prevent the pump opening water hammer and pump stop water hammer. Just operate the pump motor open and close button, the valve can automatically open and close in accordance with pump operating procedures, the flow is large, pressure loss is small.

Working Principle

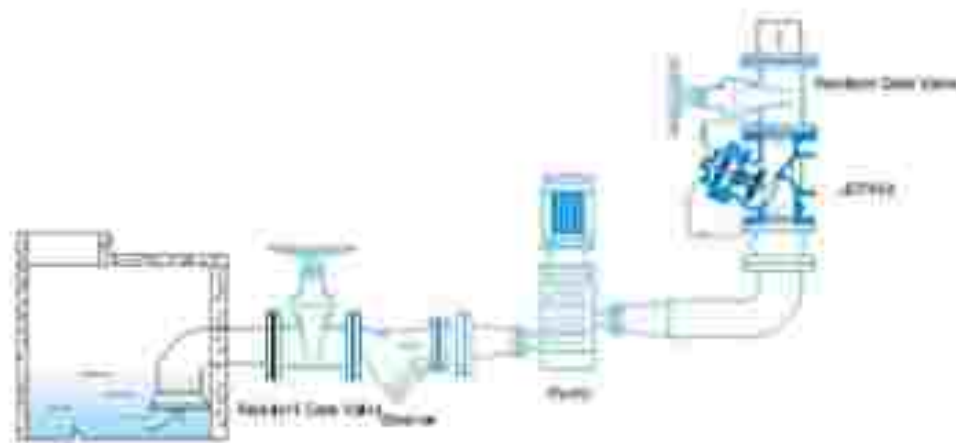
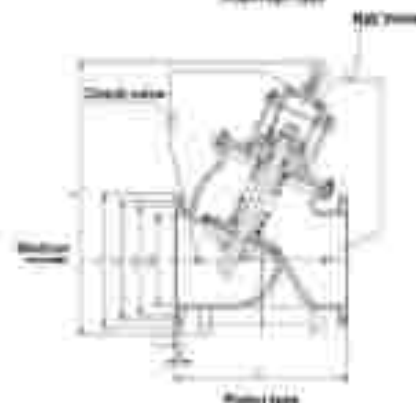
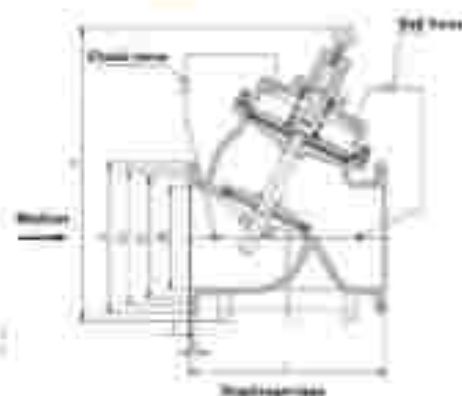
When the pump starts, the water pressure works on the main valve disc lower part and control chamber lower part, the pressure operates main valve, the water of upper control room flows slowly to the outlet through the adjusting valve, the main valve opens slowly. And the closing of the control valve to get the appropriate main valve opening speed. When the pump stops working, the water pressure at the inlet drops rapidly and closes most of the opening rapidly under the action of self-weight and spring pressure to prevent the backflow of water. The remaining opening is controlled by the pressure in the upper chamber of the control room and the water pressure in the lower chamber. Closing speed is slow down to form a buffer to prevent the pressure surge.

Features

1. Water hammer preventing effect is good, integrated slow opening, check and fast closing, slowing closing technology, to prevent pump open, water hammer and pump stop water hammer.
2. Easy to operate, no need of electric control system. The valve completes the control function in accordance with the pump opening and closing.
3. The valve body is designed with a full flow diameter, straight flow, streamlined appearance. Pressure loss is small, energy-saving effect is good.

Main Parameters

NOMINAL PRESSURE	SHALL TEST PRESSURE	SEAL TEST PRESSURE	ALLOWED WORKING TIME	WORKING OPERATING PRESSURE	STABLE PRESSURE	RECTION TEMP
1.6	2.5	2.2	0-30	1.0-1.6	1.0-1.6	0-120
2.5	3.8	3.2	0-30	1.6-2.5	1.6-2.5	0-120
4.0	6.0	5.0	0-30	2.5-4.0	2.5-4.0	0-120

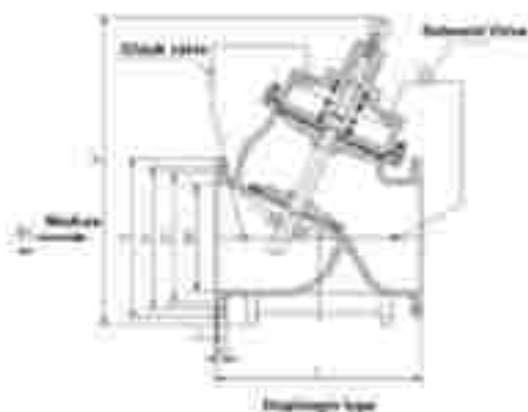


Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	650	700	800	900	1000	1200
L	240	270	280	290	300	380	460	530	600	620	700	740	800	1000	1140	1300	1350	1410	1600	
H	420	460	470	470	550	570	600	700	810	850	1000	1200	1250	1400	1600	1600	1600	1600	1600	1600

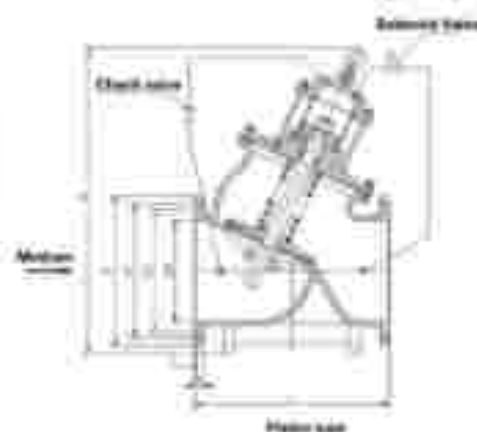
J145X Hydraulic Electric Control Valve

J145X Hydraulic automatic control valves (is a automatic control valve, composed of main valve, solenoid valve(Normally closed) and check valve. Structure of this valve could be diaphragm type or piston type. This valve is designed and manufactured with the technology adopted and improved from USA and Israel. Suitable for the water supply, water draining and fire fighting supply of high-rise buildings. This valve has the advantage of remote opening and closing, can replace gate valve and butterfly valve, and easy to repair, working reliably. This valve could be used for water supply and water draining pipe of high-rise buildings, industry and agriculture, and life, to protect the pipe and device. This valve could be adjusted by needle adjusting valve to reach best open and close speed.

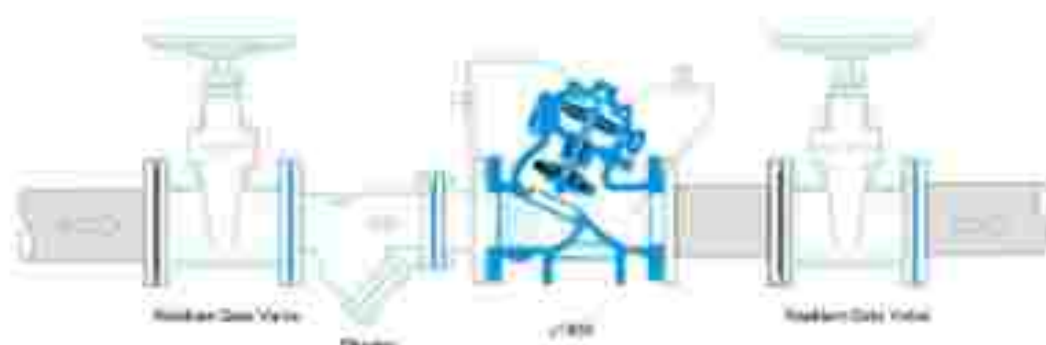


Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	SOLENOID VALVE	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.6	1.6	1.1	220V AC	Water	0-50
2.5	2.5	1.75	24V DC		
4.0	4.0	2.75	Normally open		



Installation

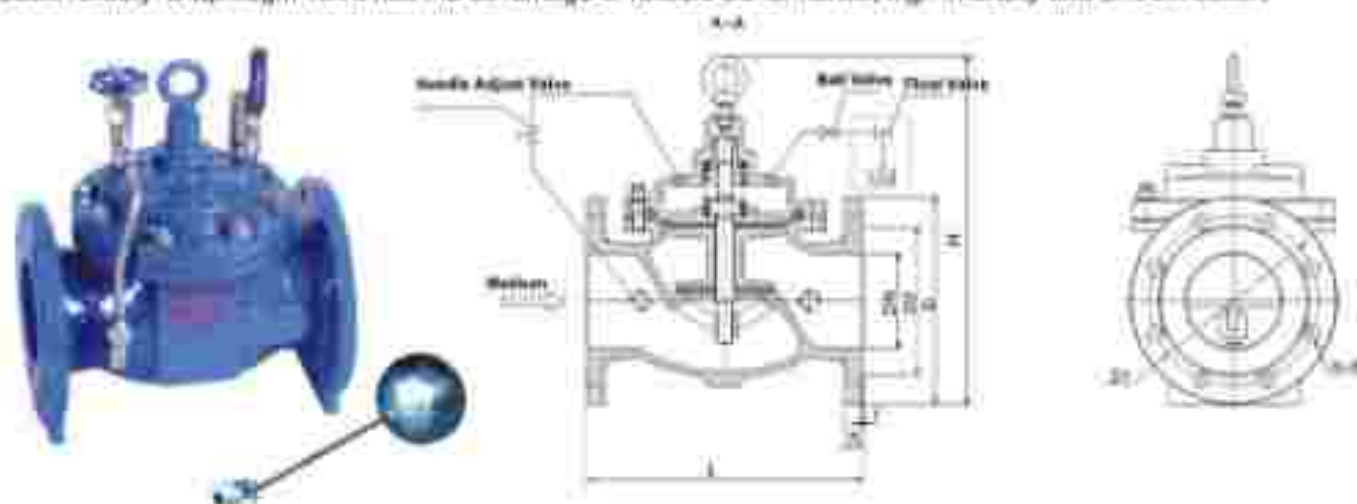


Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	240	270	290	305	330	360	400	530	620	620	700	745	800	1040	1190	1300	1360	1510	1800
H	420	450	470	470	550	570	650	750	810	810	950	1050	1100	1250	1400	1500	1600	-	-

LZ100X Remote Control Floating Ball Valve

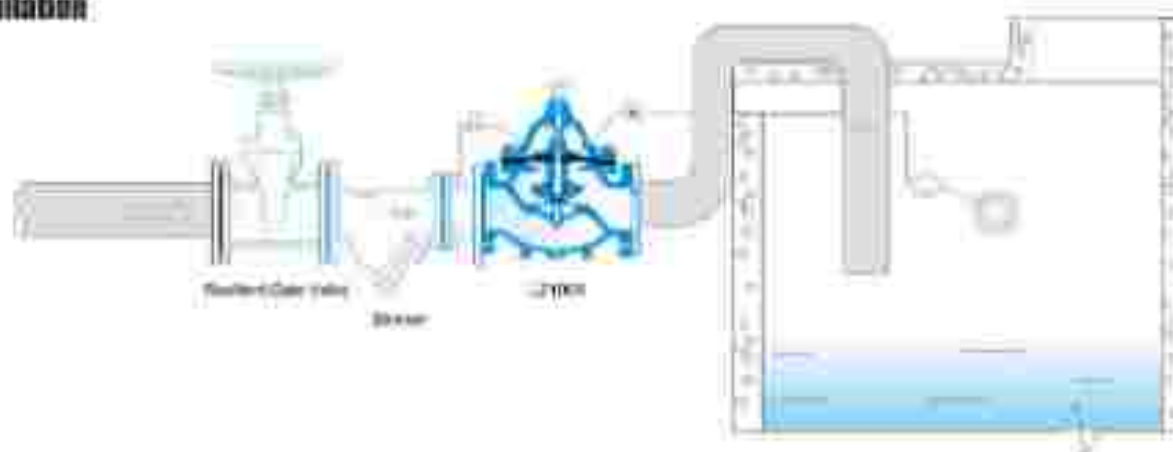
LZ100X Remote Control Floating Ball Valve is multi function valve. Mainly installed in the water supply pipe network pool or the water tower inlet of high-rise building or living quarters, to maintain the water level. When water tower (pool) water level rises to set height, float valve will rise and be closed, the water pressure in control room will increase and main valve will be closed, water supply stopped. When water level drops, float valve will be closed, water pressure in control room will also drop, main valve will open and start to supply water. Precise liquid level controlling, without water pressure interference. Valves can be installed, maintained and debugged at any position according to the height of pool and the use of space. Easy to check and seals reliably. Diaphragm valve has the advantage of reliable performance, high intensity and smooth action.



■ Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	MINIMUM OPERATING PRESSURE MPa	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	≥0.07	Water	0-80
1.6	2.4	1.75			
2.5	3.75	2.75			

■ Installation



■ Connection Dimension

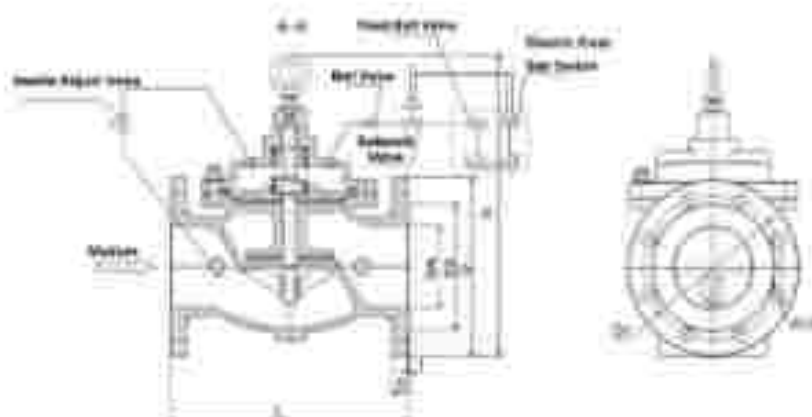
DN	50	65	80	100	125	150	200	250	300	350	400
L	205	225	235	245	255	300	440	540	600	625	700
H	270	290	325	350	400	450	600	650	705	750	800

LZ106X Electric Remote Control Floating Ball Valve

LZ106X Electric Remote Control Floating Ball Valve is waterpower automatic control valve, composed of main valve, needle adjust valve, ball valve, electric float ball switch, float ball valve, AC220V/DC24V normally open solenoid valve, tube system.

This valve is mainly used water tank/water tower automatic water supply system of industrial and mining enterprises and civil building, and also can be used as control valve for normal pressure boiler circulating water. This valve is based on the float remote control valve, and added normally open solenoid valve, electric float ball switch, plays roles of double insurance.

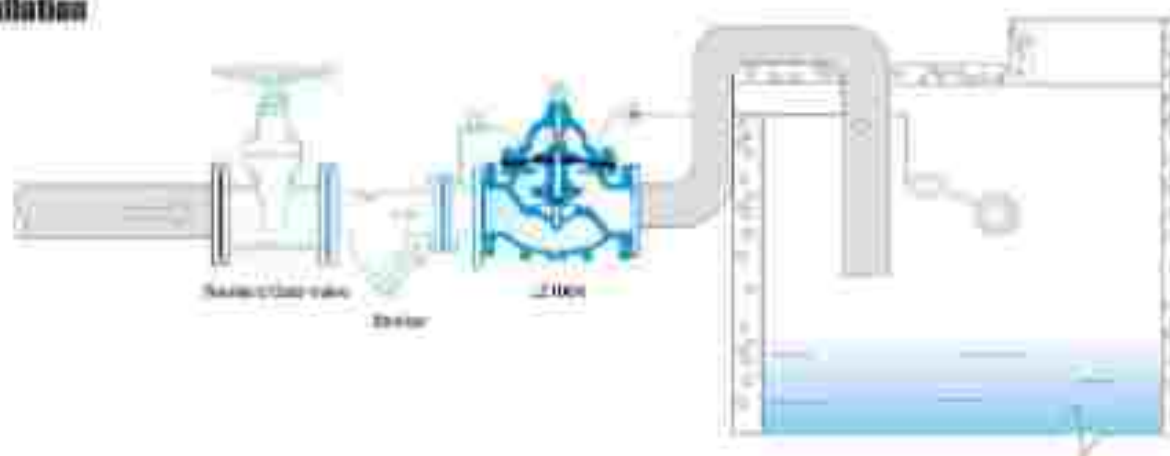
Under normal operating conditions, AC220V normally open solenoid valve is turned off, only the float valve controls the water level. When the tank or water tower water level drops below set level, this valve automatically open under the effect of medium pressure, started to supply water to pool or water towers. When water level reaches set level, this valve will automatically close under the effect of medium pressure, to cut off water source and keep water tank or pool pondage. If float ball valve failed working, water level is 10cm higher than regular water level, electric float switch works, solenoid valve will be closed, to cut off control pipe, main valve closes slowly, to control



■ Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	SOLENOID VALVE	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	220V AC/ 24V DC Normally Open	Water	0-80
1.6	2.4	1.76			
2.5	3.75	2.75			

■ Installation



■ Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400
L	300	320	350	390	430	500	640	840	1000	1200	1500
H	250	260	320	360	400	480	620	800	900	1100	1400

LT200X Adjustable Pressure Reducing Valve

LT200X Adjustable pressure reducing valve is composed of main valve, needle adjust valve, pressure reducing pilot valve and pipe system. The valve is usually installed at the upstream of water supply system for high-rise building, living quarters and other pipe networks, to reduce or stabilize the pressure of downstream pipe network or device. Outlet pressure is set by setting pressure reducing pilot valve spring and needle valve open degree, and outlet pressure is stabilized by the feedback action from tube system and control room, no need other device or energy, easy to maintain, less influence from inlet pressure and flow rate, control pressure precisely, reliable to reduce and stabilize pressure.

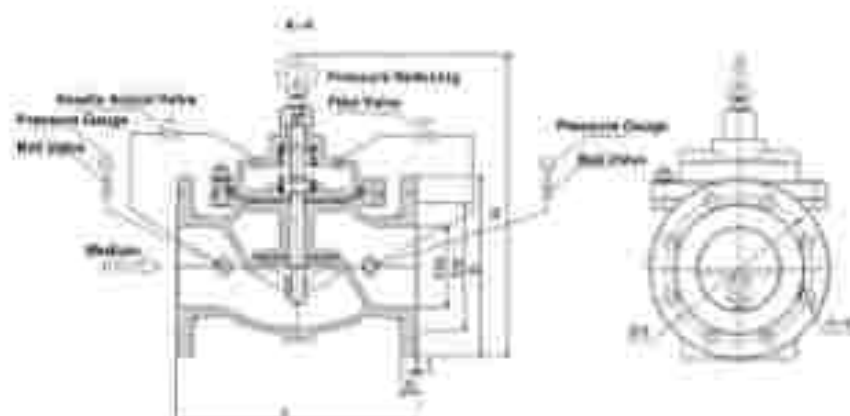
Working Principle

When pipe started to supply water from inlet, water flows into main valve control room via needle adjust valve. Outlet pressure works on the pressure reducing pilot valve via tube system. When outlet pressure is higher than pressure reducing pilot valve, pressure reducing pilot valve will be closed, control room stopped water flowing, and then main valve control room pressure flows to close main valve, outlet pressure will not rise any more.

When outlet pressure drops below pressure reducing pilot valve setting pressure, control room will drain water to downstream. Pressure reducing pilot valve displacement will be bigger than needle adjust valve water inflow, main valve control room pressure drops, inlet pressure will close main valve, while steady-state, Control room water inflow and displacement will be the same. Open degree will not change, and outlet pressure will not change. Outlet pressure can be set by setting pressure reducing pilot valve spring.

Features

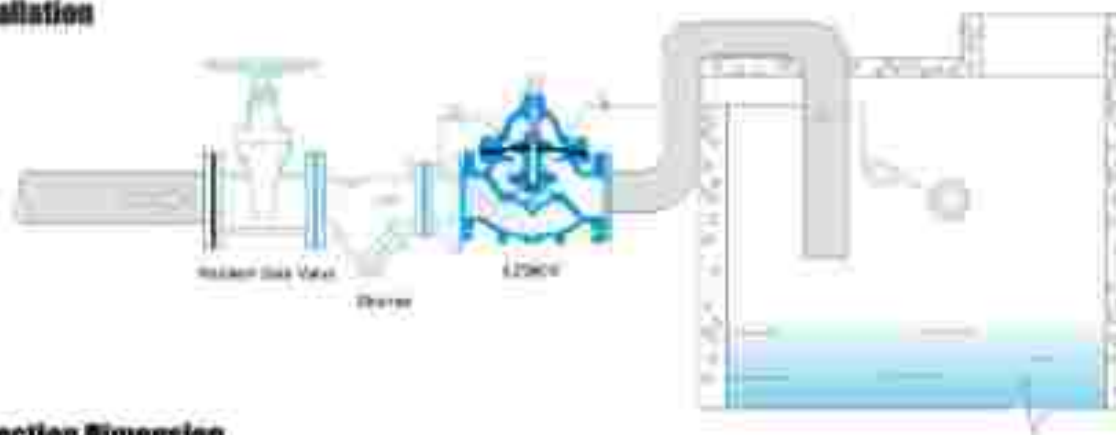
1. Pressure controlling is steady and reliable. Pressure reducing pilot valve and main valve works continuously, downstream pressure changes continuously and steady. Low influence from inlet pressure.
2. Easy to operate. After working pressure is set, when upstream pressure or flow rate changes, main valve will adjust automatically, to stabilize downstream pressure.



Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	MAX INLET PRESSURE MPa	OUTLET PRESSURE ADJUST RANGE MPa	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	1.0	0.05-0.8	Water	0-80
1.6	2.4	1.75	1.6	0.10-1.2		
2.5	3.75	2.75	2.5	0.15-1.5		

Installation



Connection Dimension

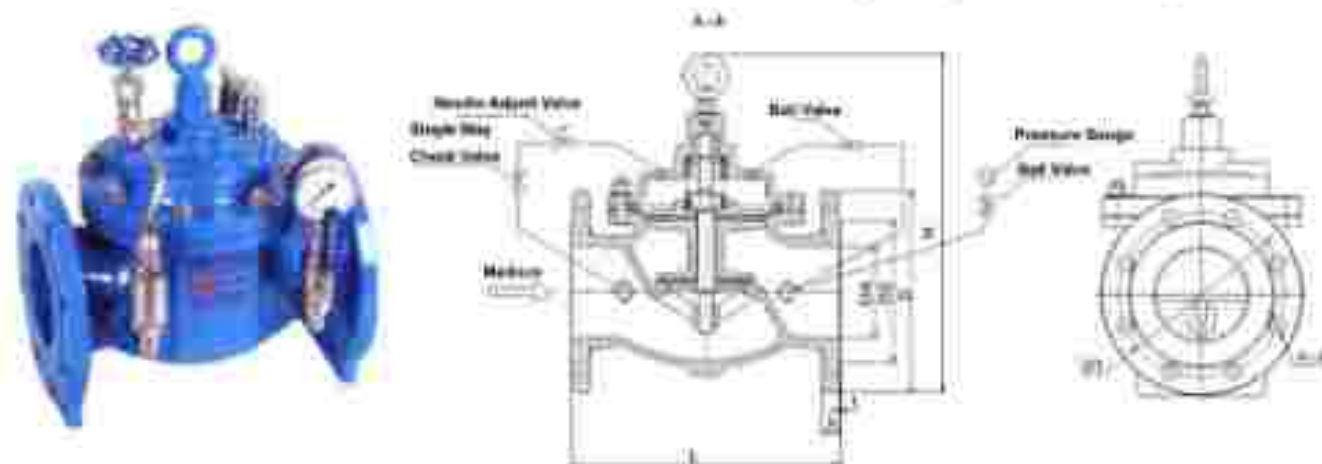
DN	50	65	80	100	125	150	200	250	300	350	400
L	205	215	240	245	330	340	445	540	600	630	700
H	270	280	320	350	400	410	620	650	700	750	800

LX300X Slow Closing Check Valve

LX300X Slow Closing Check Valve is composed of main valve, single way valve, needle valve, ball valve, pressure gauge and tube system. Slow closing check valve is installed at the pump exit of high-rise building water supply system and other water supply system. The valve have the functions from electric valve, check valve and water-hammer arrestor, can enhance the safety and reliability of water supply system, and integrate technology of slow opening, fast closing, slowing closing to eliminate water hammer. Simply operate the pump motor button, valve can automatically open and close in accordance with the pump, high flow rate, low pressure loss.

Working Principle

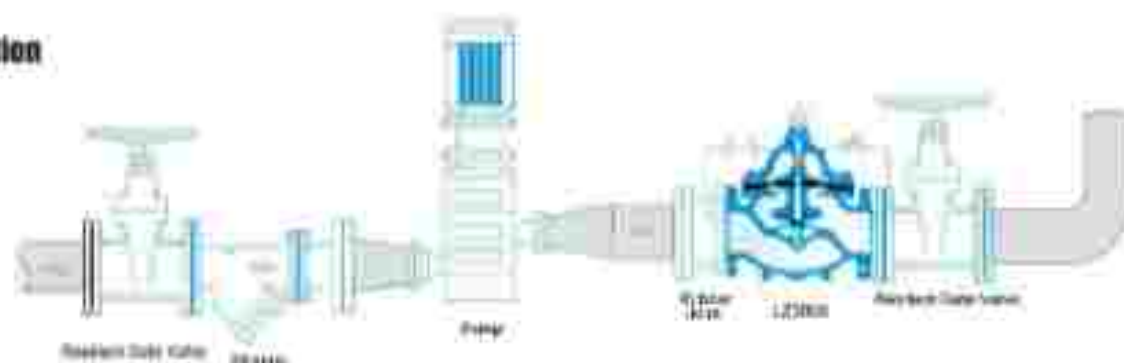
When valve started to supply water from inlet, water flows into main valve control room via needle adjust valve and single way check valve, then drain to downstream via ball valve. Open degree of needle valve is smaller than ball valve, which means main valve control room draining speed is higher than inflow speed, the pressure of control valve will drop, the pressure on disc bottom will open main valve and drain to downstream. When pipe stopped water supply, if the water of downstream flows back, a part of water will flows into main valve control room via ball valve, and because of the single way check valve, it will not flow out of control room, which leads the control room pressure increasing, closing main valve slowly.



Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	SLOW CLOSING TIME S	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	3-60s Adjustable	Water	0-80
1.6	2.4	1.76			
2.5	3.75	2.75			

Installation



Connection Dimension

CN	50	65	80	100	125	150	200	250	300	350	400
L	205	225	252	285	330	380	445	540	600	635	700
H	270	290	320	360	400	450	620	680	700	750	800

LZ400X Flow Rate Control Valve

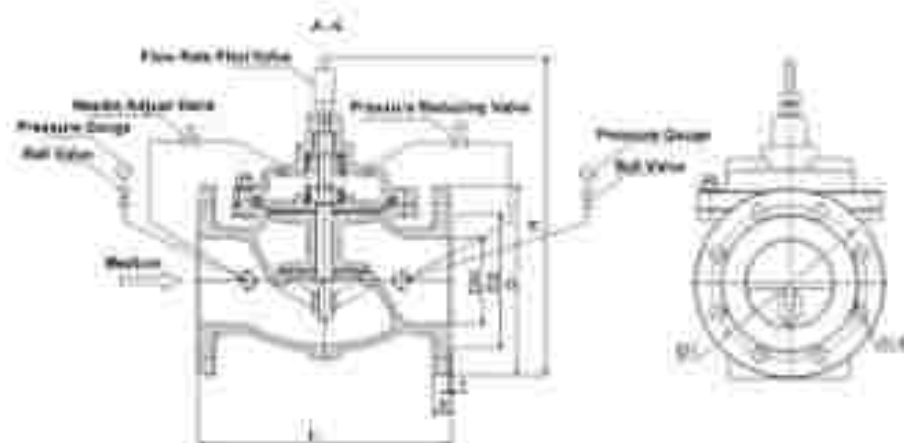
LZ400X flow control valve is a high-precision pilot control type multi function flow control valve. Widely used in high-rise buildings, living quarters and other water supply systems. Suitable for water distribution pipes which need to control the flow and pressure, to maintain a predetermined constant flow rate, flow rate will be limited in a predetermined value, and appropriately reduce upstream high pressure, even if the main valve upstream pressure changes, it will not affect flow of main valve downstream.

This valve is different from regular throttle valves which use plates or purely mechanically reduce drainage area. It uses relevant pilot valve to minimize energy loss in the throttling process, no other devices and energy needed, maintenance is simple, flow control is steady. In case of emergency, the flow control valve can completely cut off the flow, to avoid losses. High control sensitivity, safe, reliable, easy adjustment, long service life.

Working Principle

When valve supply water from inlet, water flows into control room via needle valve, and be discharged from control room to outlet via pilot valve and ball valve, and at this time the main valve is fully open or floating state.

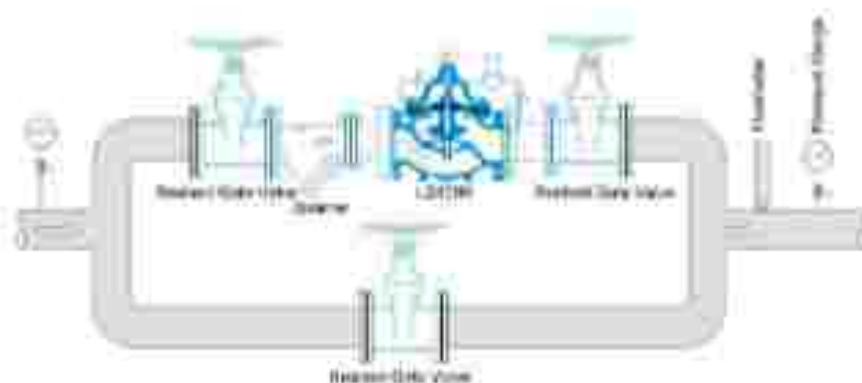
Setting the flow adjusting valve at the up part of main valve, could set certain open degree for main valve. Adjusting needle valve open degree and pilot spring pressure, could make the main valve keeping setting open degree, and when flow changes, pilot valve will adjust automatically to maintain flow rate.



Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	PRESSURE ADJUST RANGE MPa	PRESSURE CHARACTERISTICS △P/P1	FLOW CHARACTERISTICS △P/P1	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	0.05-0.8	PQ=8%	PQ=13%	Water	0-50
1.6	2.4	1.75	0.10-1.2	PQ=10%	PQ=20%		
2.5	3.75	2.75	0.15-1.8	PQ=12%	PQ=25%		

Installation

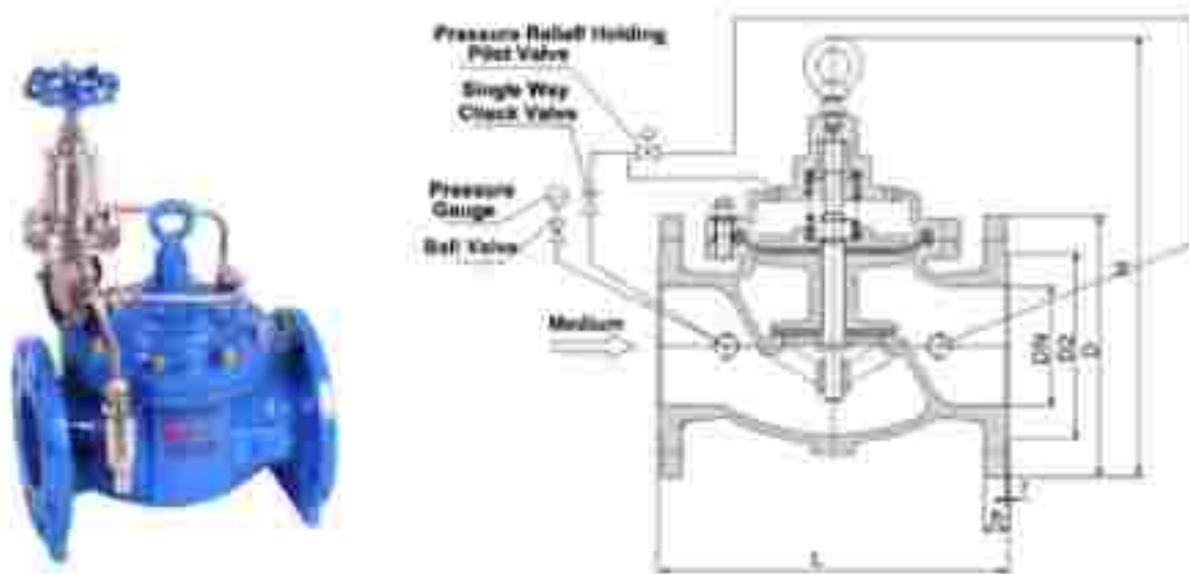


Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400
L	200	220	240	270	300	340	410	540	600	670	700
H	370	390	420	450	480	530	620	680	700	750	800

LZ500X Safety Pressure Relief/ Holding Valve

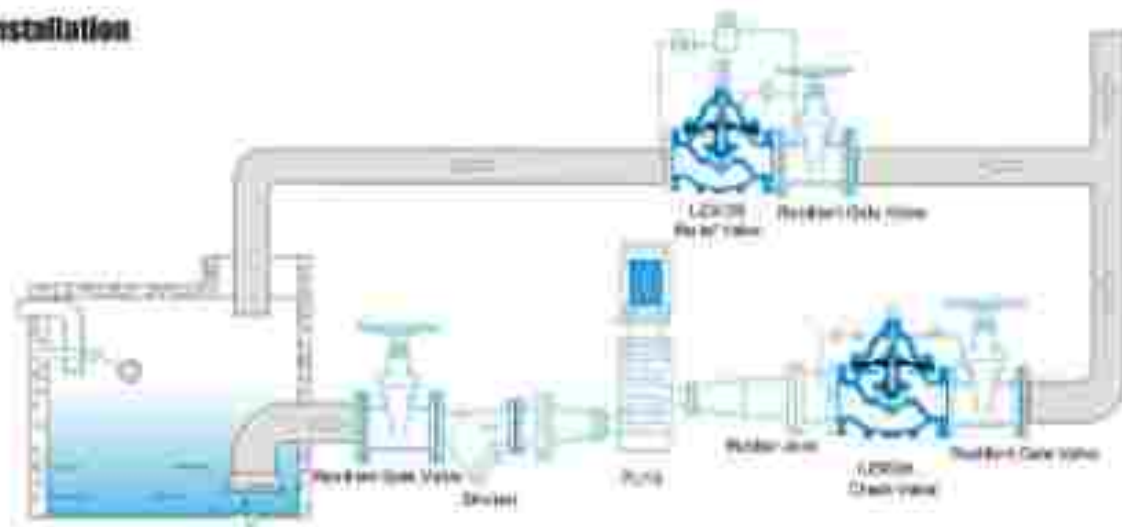
LZ500X Safety Pressure Relief Valve/ Pressure Sustaining valve is mainly used for fire control and other water supply system, to avoid system over pressure or maintain water supply system pressure. When pump closed, it can reduce water hammer. It can also been used in water hammer device in large water supply system. This valve is composed of main valve, needle adjust valve, pilot valve, ball valve and pipe system. The valve sets water supply system pressure by setting pilot valve spring pressure and needle valve open degree, and stabilize water supply system pressure with the feedback action fro pipe system and control room, no other device or energy needed, easy to maintain, pressure control is precise, performance is reliable



■ Main Parameters

NOMINAL PRESSURE	SHELL TEST PRESSURE	SEAL TEST PRESSURE	PRESSURE ADJUST RANGE	SUITABLE MEDIUM	MEDIUM TEMP. °C
Mpa	Mpa	Mpa	Mpa		
1	1.5	1.1	0-1.0	WATER	0-80
1.6	2.4	1.75	0-1.6		
2.5	3.75	2.75	0-2.5		

■ Installation



■ Connection Dimension

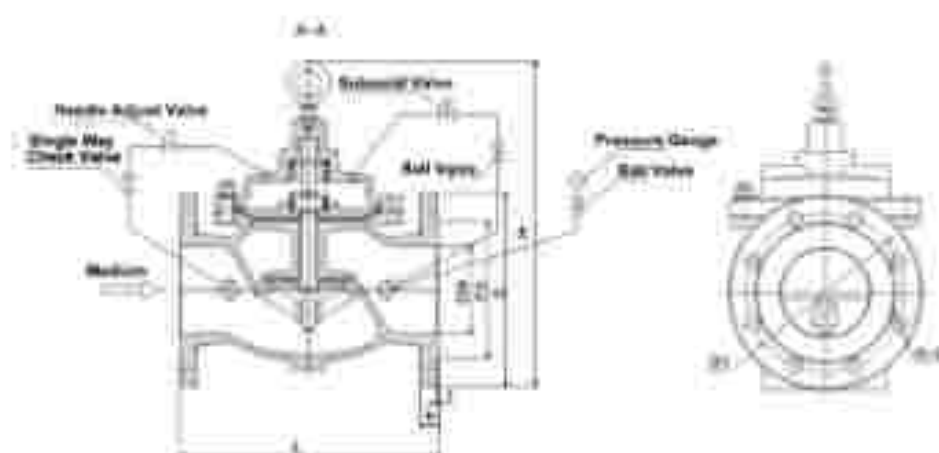
DN	50	65	80	100	125	150	200	250	300	350	400
L	205	225	250	295	330	380	445	540	600	805	700
H	270	290	320	350	400	450	620	650	700	750	800

LZ500X Hydraulic Electric Control Valve

LZ500X Hydraulic Electric Control Valve is composed of main valve, needle valve, solenoid valve, ball valve, etc. Electric water control valve is hydraulic operation valve with solenoid valve as a pilot valve. Mainly used for the automatic system of drain and industry system, controlling is precise and fast. Remote opening or closing pipe system by the electrical signal. It can replace gate valve and butterfly valve in large electrical operation system. Valve closing speed can be adjusted, valve closing is steady without pressure variation. This valve also has the advantage of small volume, light weight, easy to use and repair, safety and reliability. Solenoid valve can be 220V AC or 24V DC, could choose normally open or close type according to usage.

Working Principle

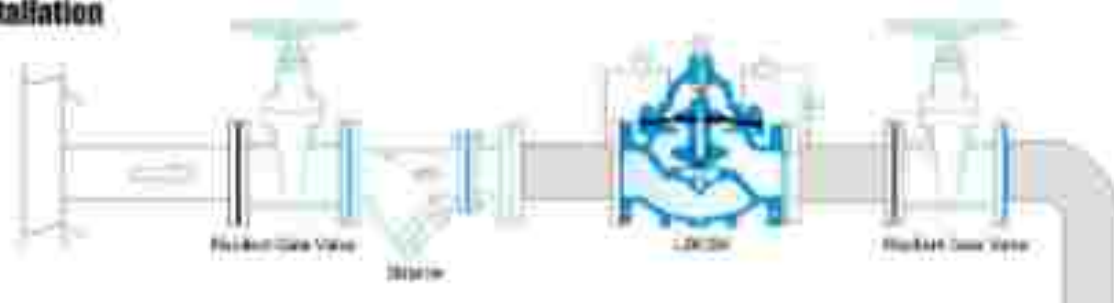
When valve started to supply water from inlet, water flows into control room via needle valve, when solenoid valve is open, water from control room flows out via solenoid valve and ball valve. Ball valve open degree is bigger than needle valve, control room pressure is low, main valve is fully open; when solenoid valve is closed, water from control room can not flow out, control room pressure rises, diaphragm is pushed to close main valve.



Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	SOLENOID VALVE	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	220V AC/ 24V DC Normally Open Or Close	Water	0-80
1.6	2.4	1.76			
2.5	3.75	2.75			

Installation



Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400
L	300	320	340	370	400	430	445	540	600	635	700
H	170	250	320	380	400	450	620	650	700	780	800

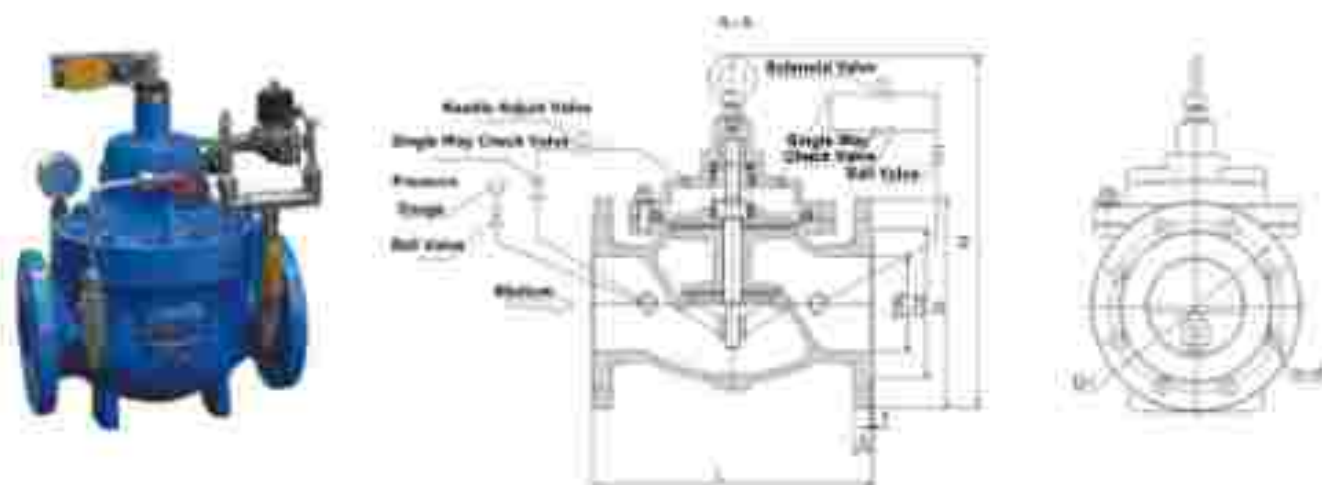
LZ700X Pump Control Valve

LZ700X pump control valve is composed of main valve, needle valve, solenoid valve, ball valve, single way check valve, travel switch and tube system with pressure gauge. This valve is installed at the pump exit of for high-rise building water supply system or other water supply system, to avoid medium flow back. When pump is ready to stop, valve will be 90% closed quickly, to avoid water hammer and water slamming noise. When pump is completely stopped, valve will be 10% closed by the water from pump, to avoid pump water back flow, protect the pump safety. Precisely controlled by solenoid valves. It is safe and reliable, with long service life and easy to install and repair, no other device needed. Solenoid valve could be 220V AC or 24V DC.

Working Principle

When pump is working and valve supplies water to downstream, solenoid valve is fully opened, needle valve is adjusted to suitable open degree, water from upstream flows to control room via needle valve, single way check valve, flows out via solenoid valve, pressure in control room will open main valve with suitable open degree, to ensure the water supply to downstream.

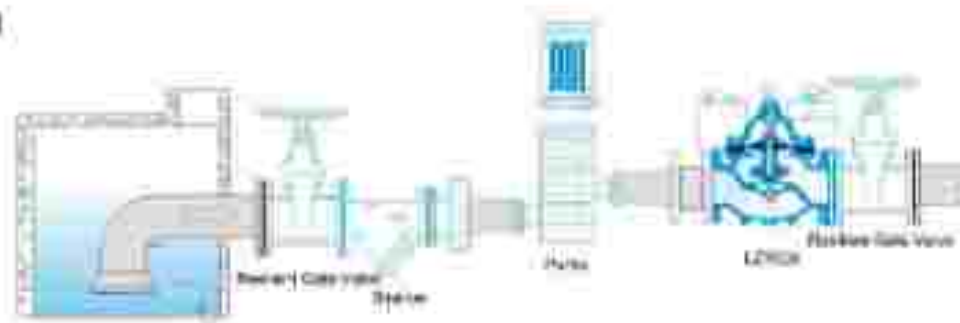
When pump stopped working, solenoid valve is closed firstly, control room stopped water draining, control room pressure rises, main valve started to close. When valve is 90% closed, travel switch on main valve will give a signal to stop valve, pump will stop working. And at this time, water from downstream will go into control room via single way check valve, control room pressure rises, main valve will be closed.



Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SEAL TEST PRESSURE MPa	SOLENOID VALVE	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	220V AC/ 24V DC Normally Open Or Close	Water	0-80
1.6	2.4	1.76			
2.5	3.75	2.75			

Installation

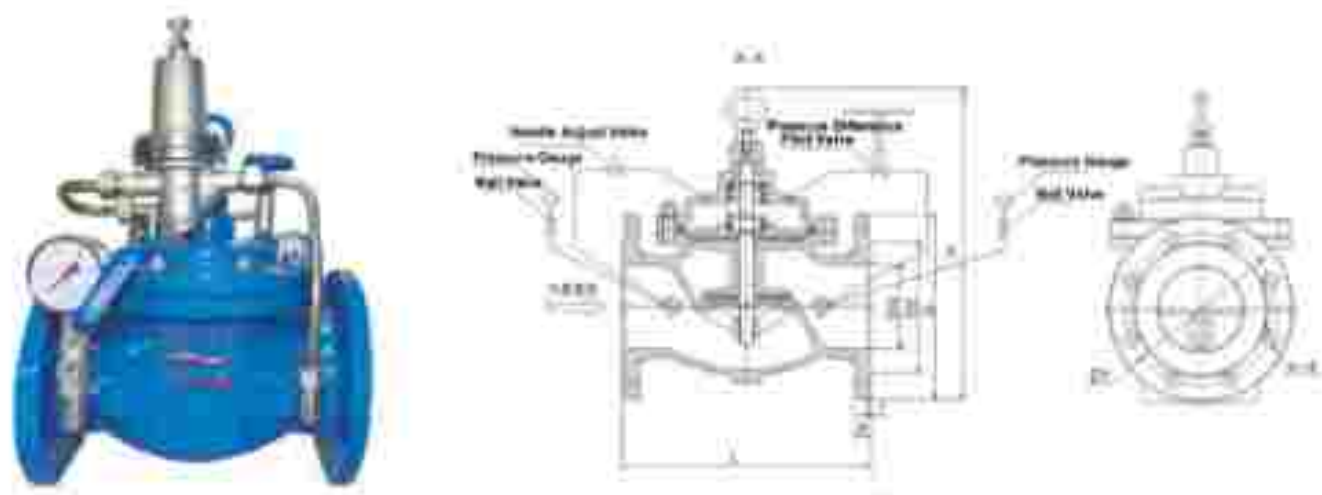


Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400
L	300	320	340	360	380	400	440	480	520	560	600
H	170	200	220	250	280	310	350	390	430	470	510

LZ800X Differential Pressure Valve

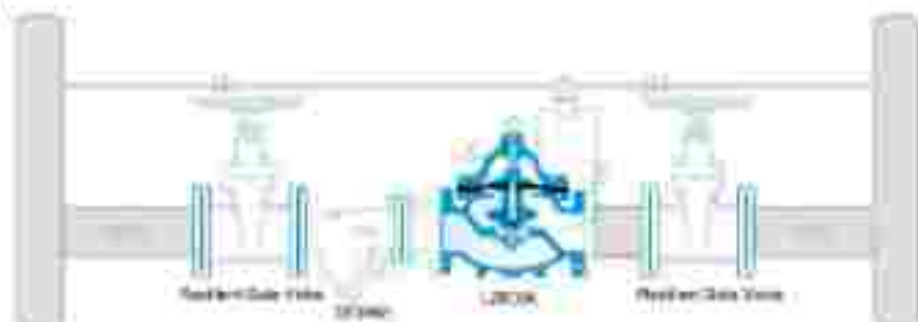
LZ800X differential pressure balance valve is a valve used to balance the pressure difference between the air-conditioning system supply / return water. This valve can increase system utilization, maintain accurate constant pressure difference, minimize system noise and the damage to the device which is caused by excessive pressure difference. This valve's superior to other balance valve is that it doesn't have any actuator, entirely rely on the medium pressure difference to achieve the function of balancing system, saving energy and installation space. It is an intelligent valve.



■ Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SCAL TEST PRESSURE MPa	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.6	1.1	Water	0-80
1.6	2.4	1.76		
2.5	3.75	2.75		

■ Installation

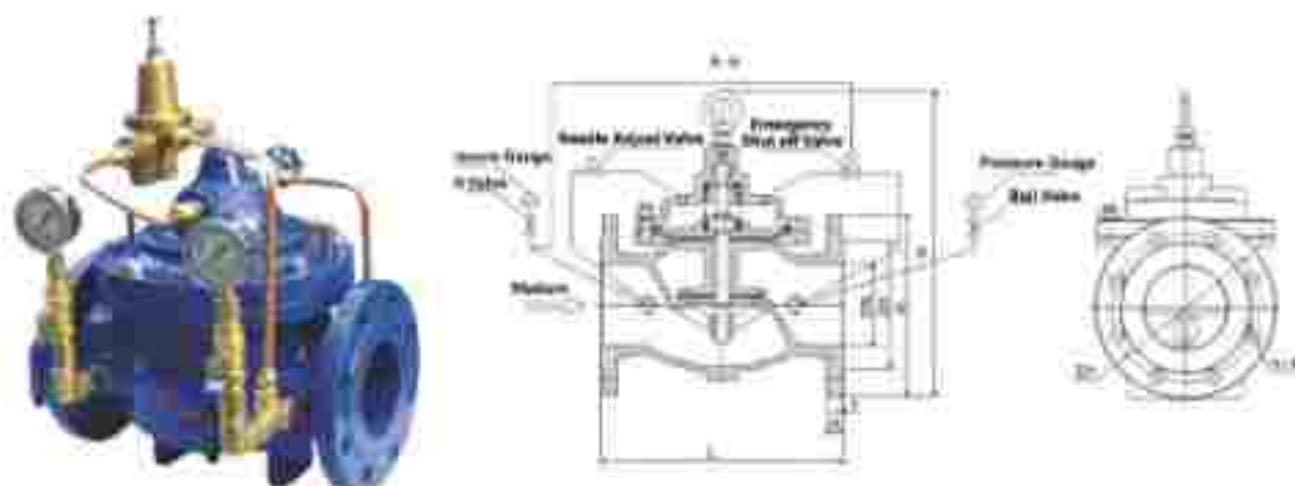


■ Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400
L	205	225	240	265	300	330	445	540	600	630	700
H	370	390	320	340	400	430	620	670	700	730	800

LZ900X Emergency Shut Off Valve

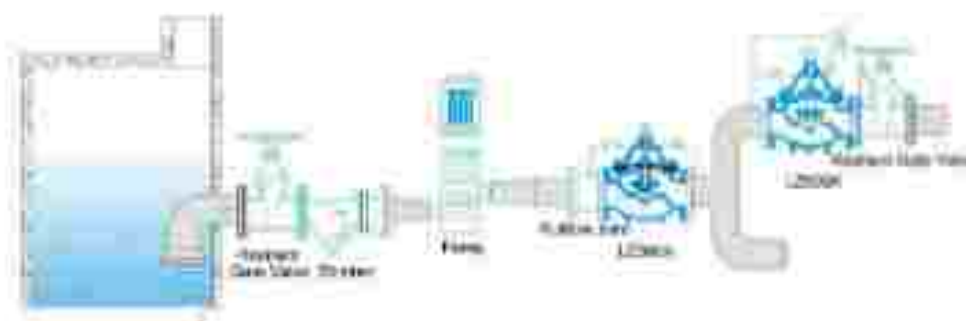
LZ900X Emergency Shutdown Valve is a valve for water supply system in which fire water and domestic water are connected in parallel, to adjust water supply direction. When a fire occurs, fire in urgent need of water, domestic water valve will be cut off immediately to ensure adequate fire water. When the fire stopped using water, the valve automatically opens, being normally open state, restore domestic water supply. The valve can make system no need a separated dedicated fire water supply network, greatly saving construction costs and water consumption. Valve control of high sensitivity, safe, reliable, easy adjustment, long service life.



■ Main Parameters

NOMINAL PRESSURE MPa	SHELL TEST PRESSURE MPa	SCAL TEST PRESSURE MPa	SUITABLE MEDIUM	MEDIUM TEMP. °C
1.0	1.5	1.1	Water	0-80
1.6	2.4	1.76		
2.5	3.75	2.75		

■ Installation



■ Connection Dimension

DN	50	65	80	100	125	150	200	250	300	350	400
L	205	225	240	265	300	330	445	540	600	630	700
H	370	390	320	340	400	430	620	670	700	750	800

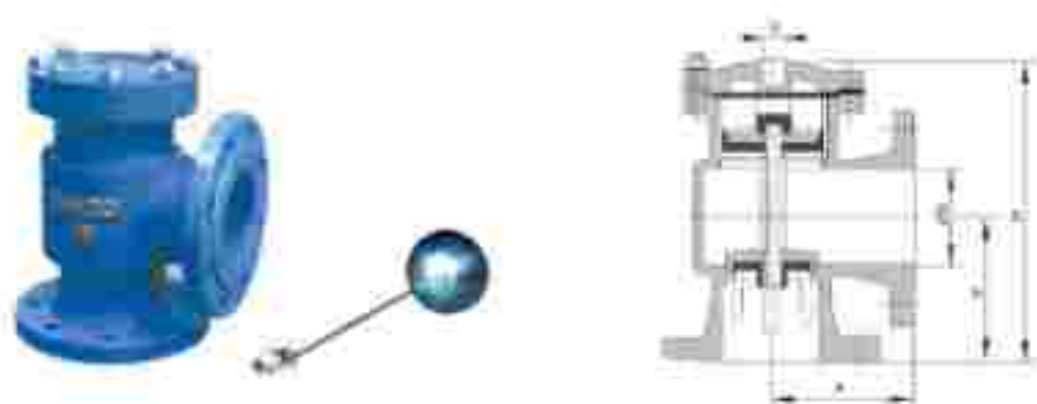
H142X Hydraulic Water Level Control Valve

H142X Hydraulic water level control valve is automatic hydraulic control valve for water tank, water tower liquid level controlling. When liquid level drops below set value, float valve will open, up chamber pressure will drop, there will be pressure difference between up chamber and down chamber, disc will open and start water supply; when water level rises above set value, float valve will closed, up chamber pressure will increase, disc will be closed and stopped water supply.

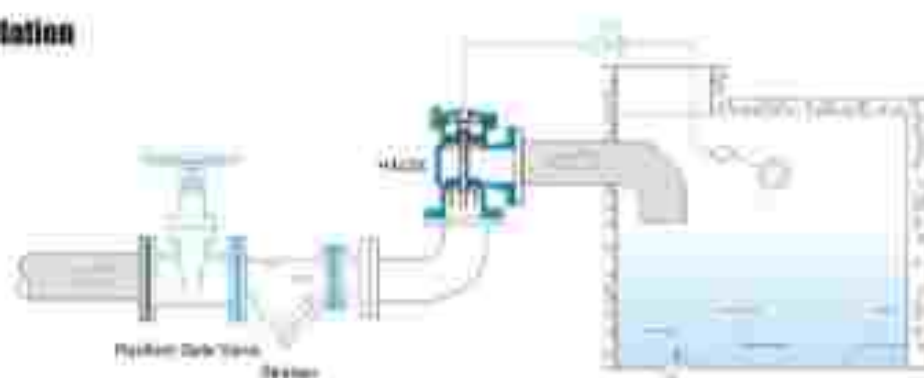
This hydraulic control valve is suitable for water tank and water tower automatically water supply system for industrial and mining enterprises, civil buildings.

Specification

- 1 Adopts hydraulic control principle, with new design and reasonable structure.
- 2 Working stable and reliable. Within the scope of the working pressure, no water hammer shock.
- 3 Light weight, small volume, easy to install and repair.



■ Installation



■ Connection Dimension

DN	50	65	80	100	150	200	250	300
D	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
A	108	118	125	150	200	248	270	300
B	65	110	120	135	140	200	260	300
H	228	260	280	358	388	445	600	600

Y110X, Y410X Adjustable Pressure Reducing/ Pressure Sustaining Valve

Y110X, Y410X Adjustable Pressure Reducing/ Pressure Sustaining Valve is a direct acting type film spring pressure reducing valve. Mainly composed of spring, film, piston, valve seat, disc, etc. Film senses downstream pressure directly to drive disc, to control open degree of disc to reduce or sustain pressure. Suitable for water, oil, non-corrosive liquid of working temperature of 0-80°C. In high rise building cold-hot water supply system and fire fighting water supply system, it can replace regular partition pipe, to simplify and save device, low project cost.



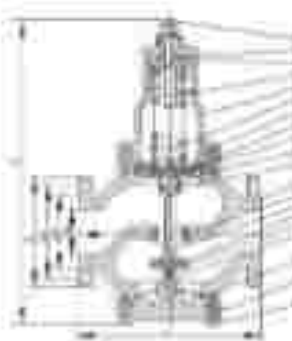
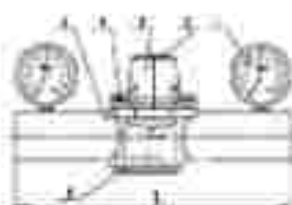
Y110X



Y110X With gauge



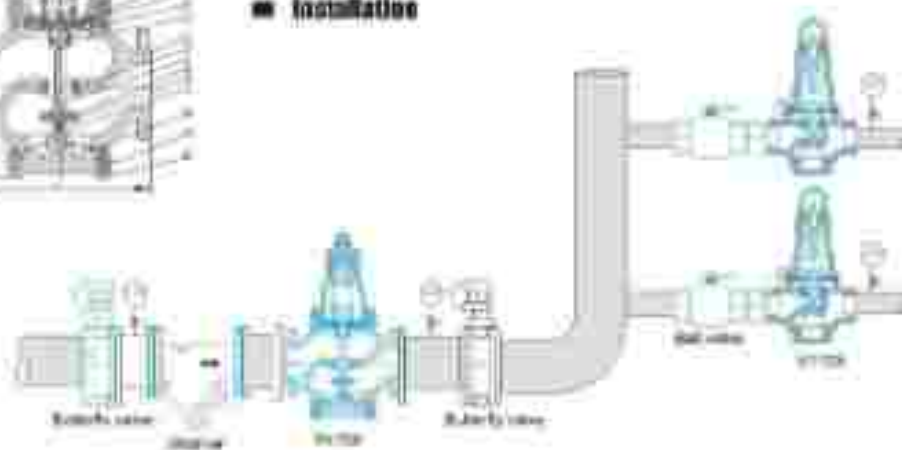
Y410X



Main Technical Specification

	Y110X/Y410X	Y110X/Y410X
Nominal Pressure	1.0MPa	1.6Pa
Shell Test Pressure	1.5MPa	2.4MPa
Seal Test Pressure	1.0MPa	1.6MPa
Max inlet Pressure	1.0MPa	1.6MPa
Outlet Pressure Range	0.2-0.8MPa	0.2-1.2MPa
Dynamic-static Pressure Difference	≤0.08MPa	≤0.12MPa
Valve Adjusting Error	±10%	±12%
Leakage	0	
Working Temperature	0°C~80°C	

Installation



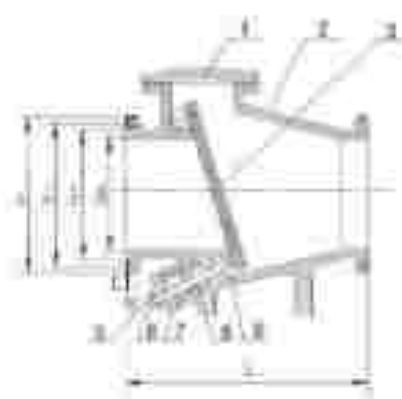
Main connection size

Y110X							Y110X with gauge							Y410X						
DN	15	20	25	32	40	50	DN	15	20	25	32	40	50	DN	50	65	80	100	125	150
L	70	80	88	112	118	145	L	90	130	138	177	188	178	L	180	200	210	260	350	380
H	95	100	108	137	145	175	H	110	130	140	182	178	190	H	200	210	210	260	350	380

mm

HH4X/T/W Micro Resistance Slow Closing Check Valve

HH4X micro resistance slow closing check valve is used in drainage pipeline, installed at the exit of pump to avoid media flow back and eliminate water hammer, and effectively reduce the closing water hammer pressure. It can ensure pipeline system working safely. With the advantage of light disc, big open degree, low flow resistance, reliable sealing, smooth operation, wear resistance, no vibration, no noise.

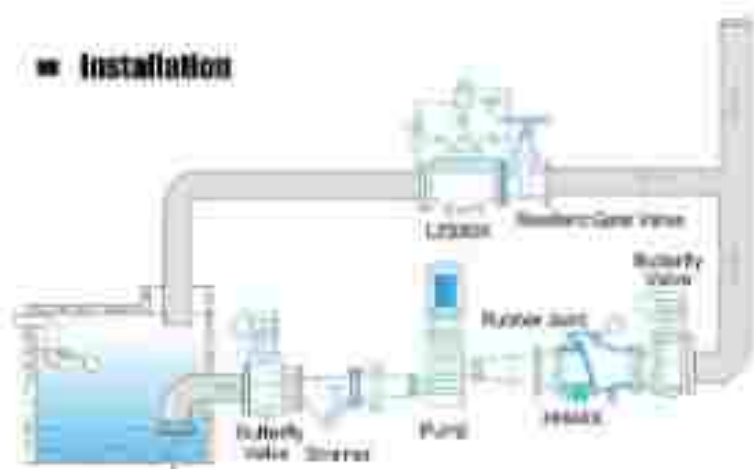


1 Screw 2 Body 3 Disc 4 Stem 5 Adjust nut 6 Adjust nut
7 Flange cylinder inner 8 Flange cylinder outer 9 Flange 10 Needle adjust valve

Parameters

Normal Pressure	0.5-2.5MPa
Normal Diameter	80-600mm
Slow Close Time	3-60s
Applicable Medium	Water
Applicable Temp.	0-80℃ (5-200℉)
Test Standard	GB/T 13627-1992

Installation



Main Material

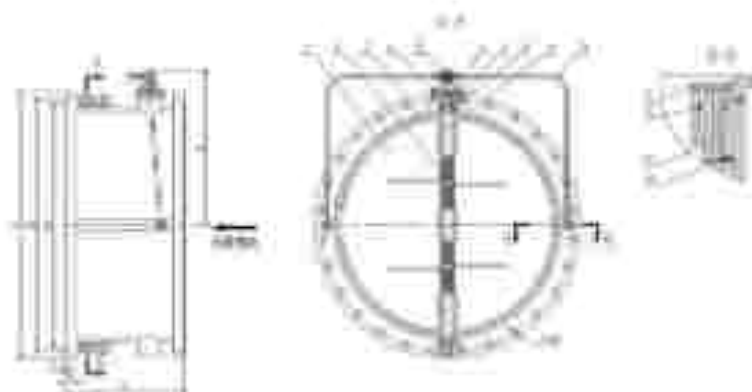
Part Name	Body/Borenut	Disc	Stem, Flange assembly
Material	HT200, QT400-18, WCB	Valvanized iron carbon steel and NBR Carbon steel, etc.	Free carbon steel 45# 2Cr13

Main Connection Dimension

HH4X HH4XT HH4XW	DN	60	80	90	100	125	150	200	250	300	350	400	450	500	600	800	1000
L	200	250	290	330	400	480	560	660	700	800	800	880	980	1020	1300	1400	1550

HN46X/48T/49H Micro Resistance Slow Closing Butterfly Check Valve

Micro Resistance Slow Closing Butterfly Check Valve is used in drainage pipeline, installed at the exit of pump to avoid media flow back and eliminate water hammer, and effectively reduce the closing water hammer pressure. It can ensure pipeline system working safely. With the advantage of light disc, big open degree, low flow resistance, reliable sealing, smooth operation, wear resistance, no vibration, no noise.

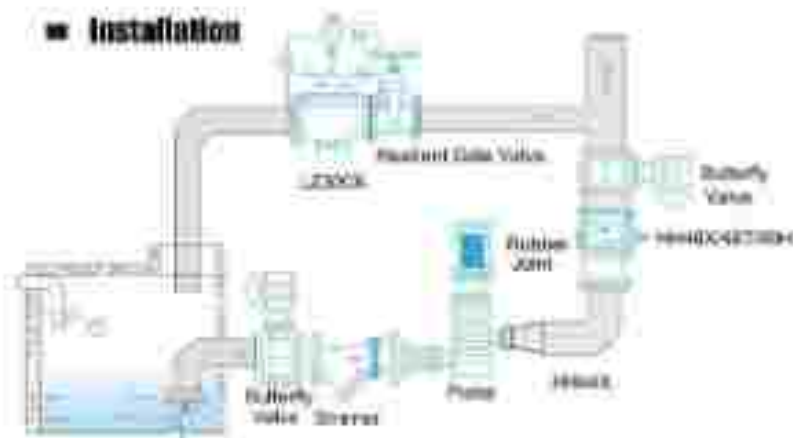


1 Disc 2 Spring 3 Body 4 Stem 5 Handle adjust valve 6 Hex nut
7 Gasket 8 Packing 9 Stem 10 Shimless disc (tube) 11 Flange base
12 O-ring 13 Pinion 14 Gasket

Parameters

Normal Pressure	0.5-2.0MPa
Normal Diameter	50-600mm
Slow Close Time	3-60s
Applicable Medium	Water
Applicable Temp.	0-80℃ (5-200℉)
Test Standard	GB/T 13627-1992

Installation



Main Material

Part Name	Body/Boreout	Disc	Stem, Pinion assembly
Material	HT200, QT400-18, WCB	Valvanized iron carbon steel and NBR Carbon steel, etc.	Spring steel 2Cr13

Main Connection Dimension

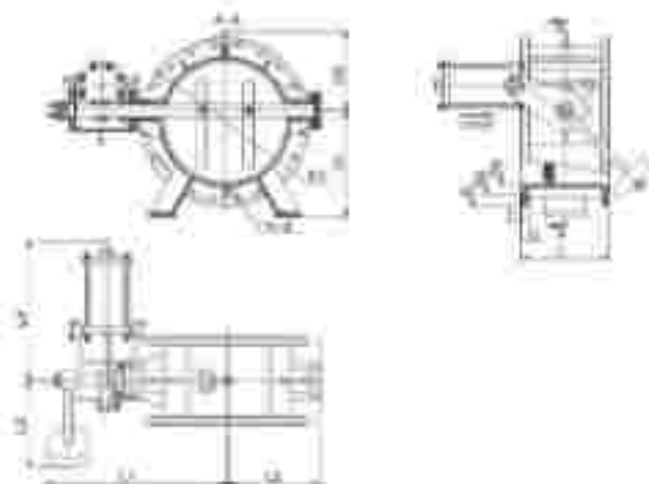
HN46X HN48T HN49H	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	140	170	180	190	200	210	230	250	270	290	310	330	350	380	430	470	510	550	630

BFDZ701X Hydraulic Automatic Control Slow Closing Butterfly Check Valve

BFDZ701 Hydraulic Automatic Control Butterfly Check Valves is developed as the fourth generation valve which is based on the technical of micro resistance slow closing check valve, hydraulic butterfly valve, multi-function pump control valve. It also has the function of electric gate valve, electric butterfly valve and check valve, and reduce water hammer damage by the action of quick closing, slow opening, slow closing. It can protect the pump and pipeline.

Advantage

- 1 Good to eliminate water hammer, integrated slowly open, quick closing, slowly-closing water hammer reducing technologies, to prevent pump start and pump stop water hammer.
- 2 Easy to operate. Only need to operate pump motor open/close button, valve will automatically open and close according to pump operation.
- 3 Butterfly structure, double offset, reliable sealing. Full bore straight flow designed, low pressure loss, large flow rate, small volume and light weight.



Parameters

Normal Pressure MPa	Shell Test MPa	Seat Test MPa	Minimum Operating Pressure	Slow Closing Time	Applicable Medium	Applicable Temp
1.0	1.5	1.1				
1.6	2.4	1.75	0.2 MPa	3-60s Adjustable	Water Sewage	-40℃
2.5	3.75	2.75				

Installation



Vertical Installation



Horizontal Installation

Main Connection Dimension

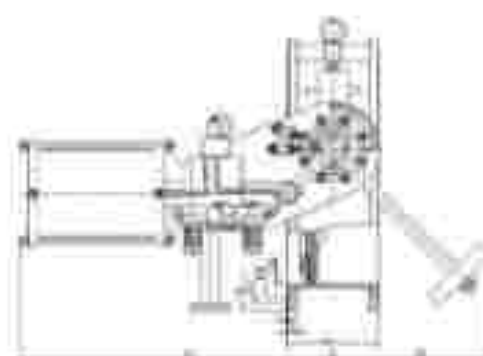
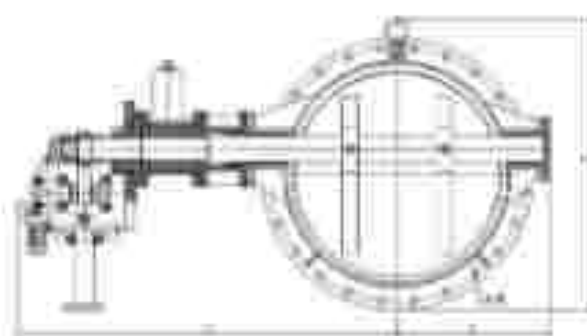
BFDZ701X	DN	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000
	L	240	290	370	450	510	535	555	590	630	670	710	760	800	840	870	910	950

H247H Pneumatic High Temperature Multi-layer Metal Seal Butterfly Check Valve

H247H Pneumatic high temperature multilayer metal seal butterfly check valve is suitable for pipeline with temperature less than 425°C and steam or micro dust media, to avoid media flow back, to protect fan, pipeline and so on.

■ Features

- 1 Disc automatically close or open under the pressure of media, with the function of power-assist buffering and disc force closing.
- 2 Working with cylinder, to ensure valve quick force closing.
- 3 Valve is assembled with disc open/close signal device.
- 4 Valve is assembled with device to precisely control disc open degree.
- 5 Triple offset, low sealing surface abrasion, long service life and O leakage.
- 6 Reasonable structure, working performance is reliable.



■ Parameters

Rated Pressure, MPa	0.6	1.0	1.6
Working Pressure, MPa	0.6	1.0	1.6
Disc Pressure - Seat Test MPa	0.8	1.2	2.4
(Shell) - Seat Test MPa	0.66	1.1	1.76
Supply Valve Power	AC 220V/50Hz		
Position Limit Switch Power	AC 220V/50Hz		
Pneumatic actuator pressure	0.4-0.8		
Force Closing Time	≤5s		
Medium Temperature	≤425℃		
Applicable Medium	Steam and air with particles		
Design, Manufacturing Standard	GB/T12238-1988, GB/T12238-1988		
Flange Standard	GB/T12238-1988		
Face To Face Standard	GB/T12238-1988		
Test And Inspection Standard	GB/T12238-1988		

■ Structure And Function

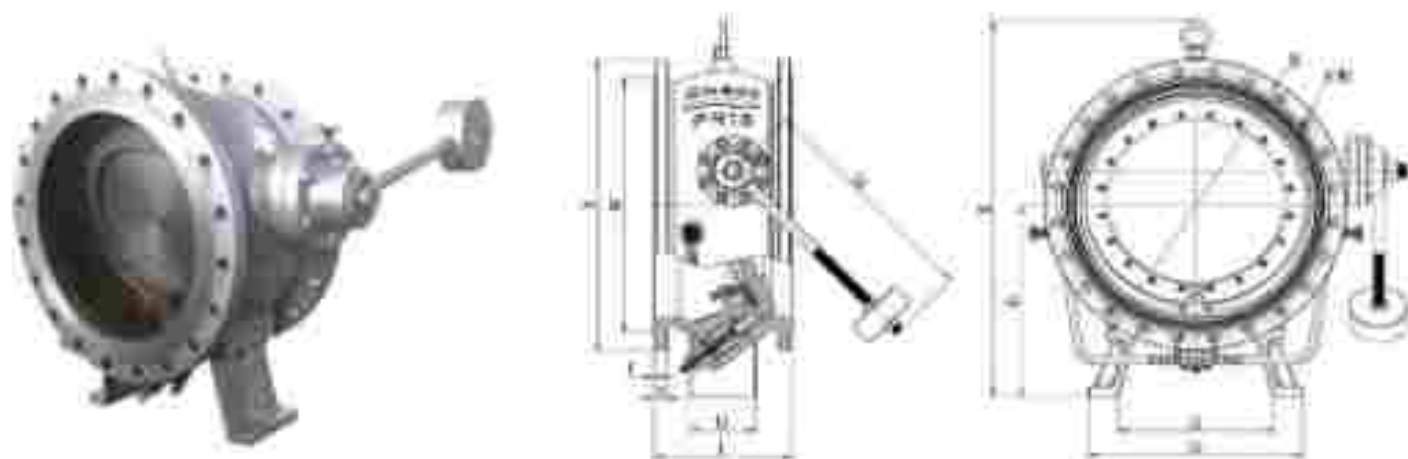
This butterfly check valve is mainly composed of valve body, valve stem, disc, oil control device, cylinder type pneumatic actuator, transmission mechanism, disc opening degree adjustment mechanism, disc open/close status electrical signal device and other components. Oil control device to achieve the buffer function, pneumatic actuator to achieve force closure of the disc, disc opening degree adjustment mechanism to achieve the accuracy controlling of the disc open degree, disc open/close status electrical signal device to achieve the display of valve open or close status.

■ Main Connection Dimension

H247H / H247H	DN	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000
	L	175	190	215	232	255	287	292	318	330	410	470	530	600	670	750

DHH44X/H Micro Resistance Slow Closing Silencing Check Valve

DHH44X/H Micro Resistance Slowly-Closing Silencing Check Valve is mainly used for industrial, urban water supply and drainage pipes and high-rise residential, hotels, pressurized water pump outlet. In the design to fully consider the needs of the use of the environment, the use of inclined plate structure, to no vibration, no noise, smooth operation. To ensure that hotels, residential environment quiet, and energy-saving effect. So as to reduce the water pressure impact of stopping pump back-flow and eliminate the generation of the peak value of water hammer. The sealing (if closure) is made of NBR, the sealing performance is good and shock absorption is reduced. Wear-resistant, long service life, easy maintenance.



Parameters

Nominal Pressure	≤ 2.5MPa
Nominal Diameter	DN 50-300mm
Slow Close Time	3-80s
Applicable Medium	Water
Applicable Temp.	0-80℃ (25-400℉)
Test Standard	GB/T 12227-1992

Main Material

Part Name	Material
Body	Gray cast iron, Ductile iron QT400-18, Cast steel WCB
Disc	Gray cast iron, Ductile iron QT400-18, Cast steel WCB, Carbon steel Q235-A
Gears, Buffer cylinder	Carbon steel 45#, Stainless steel
Seal Ring	NBR, Stainless steel

Installation



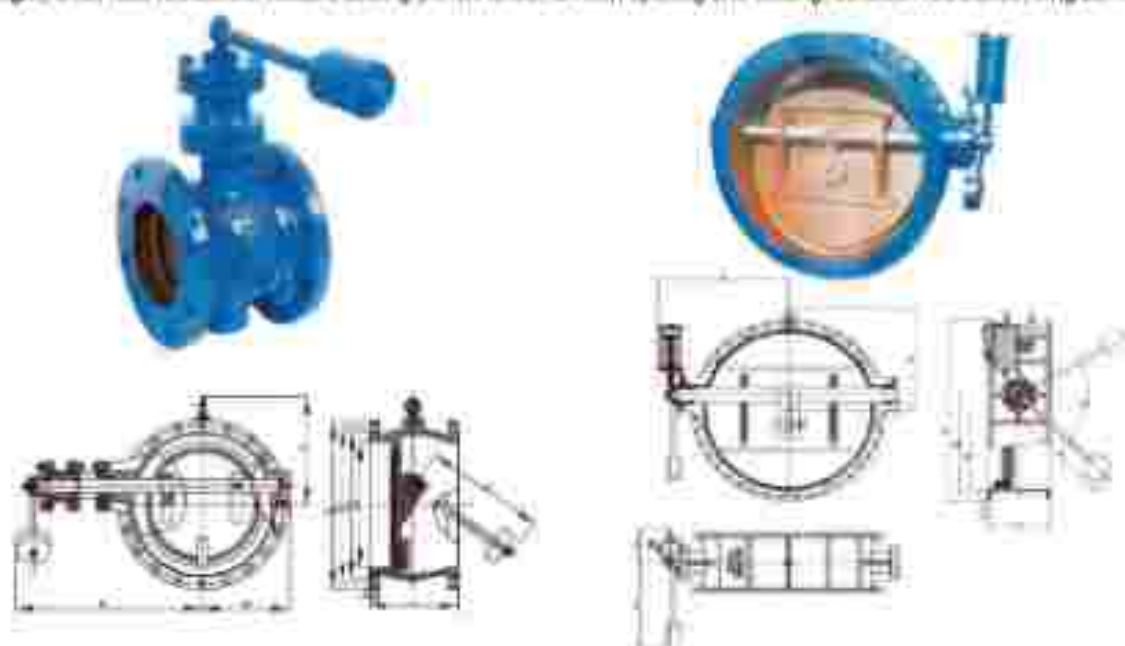
Main Connection Dimension

DHH44X/H	DN	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	1800	2000
	L	220	250	270	290	310	330	350	370	400	470	510	535	620	710	760	870	950

HH4X Slow Closing Butterfly Check Valve

■ Product Overview

HH4X-series slow closing butterfly check valve is mainly applied to industrial water supply, sewage treatment plant pump outlet, to prevent the media backwash and eliminate destructive water hammer, and can effectively reduce valve closing water hammer pressure. Can guarantee the safe operation of the pipe network system. This valve is mainly composed by valve body, disc, buffer devices and other components. It has the advantages of small volume, light weight, small fluid resistance, reliable sealing performance, smooth opening and closing, abrasion resistance, long service life, no vibration and no noise.



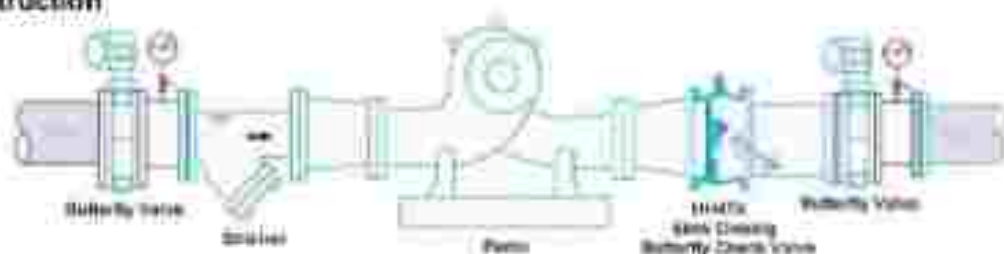
■ Technical Parameters

Nominal Pressure	1.6 ~ 2.5MPa
Nominal Diameter	200 ~ 2200mm
Slow Closing Time	2 ~ 30s
Substrate Medium	Water
Service Temperature	3 ~ 80°C
Test Standard	GB/T13927-1992

■ Main Parts Material

Name	Material
Body	Cast steel (GGG) / Cast iron (QT450-10) / Cast steel (WCB)
Disc	Cast steel (GGG) / Cast iron (QT450-10) / Cast steel (WCB) / Titanium alloy (TA2)
Stem/Gasket/Seal	Fluoropolymer / PTFE / EPDM / NBR
Lock ring	Steel
Rolling	Stainless steel

■ Installation Instruction

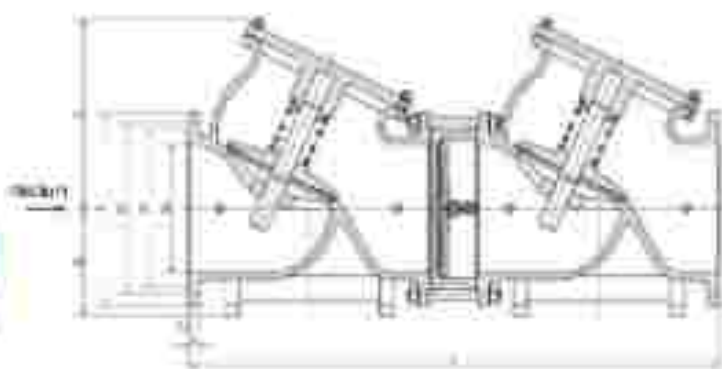


■ Main Connection Size

HH4X Main Connection Size	DN	200	250	300	350	400	450	500	600	650	700	800	900	1000	1200	1400	1600	1800	2000
	L	220	250	270	290	310	330	350	380	430	470	510	560	630	710	790	870	950	

HS41X Anti-Pollution Isolating Check Valve

HS41X Anti-Pollution Isolating valve/ Check Valve is a valve which is installed in various kinds pipeline system to strictly stop media back flow, to protect the media and device of downstream from pollution. It is composed of two series-wound check valves and connecting parts, seal strictly to ensure media no back flow. It is reliable and with long service life.



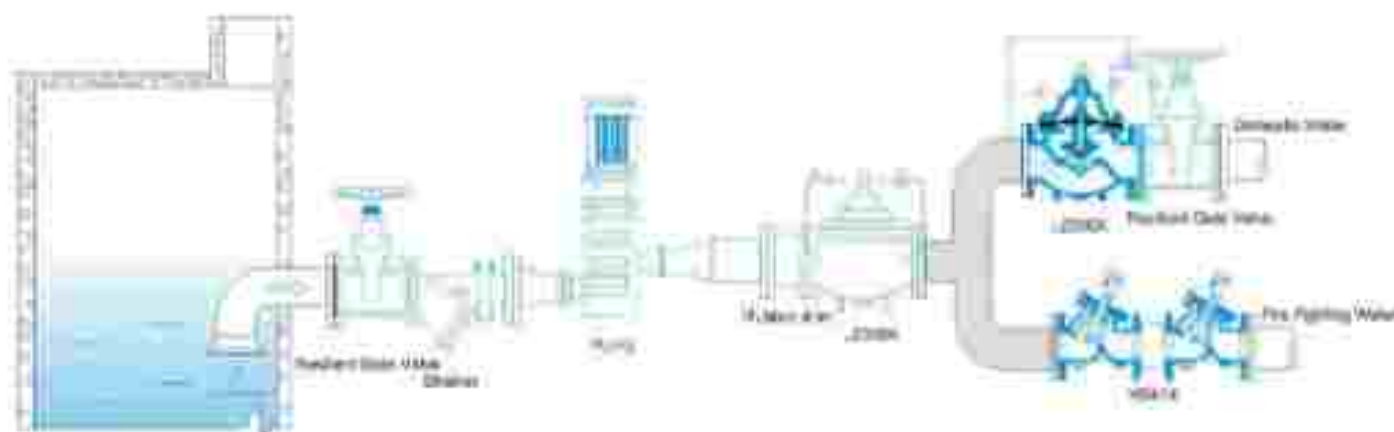
Parameters

Normal Pressure	1.5~1.6MPa
Nominal Diameter	50-600mm
Applicable Medium	Water, oil and other non-corrosive medium
Applicable Temp. T	0-82℃
Test Standard	GB/T13927-1992

Main Material

Body, Bonnet, Disc	Spring	Drain Valve
Disc and Bonnet: Cast Iron/Carbon Steel Spring Steel: Stainless Steel Fastener: Stainless Steel		

Installation

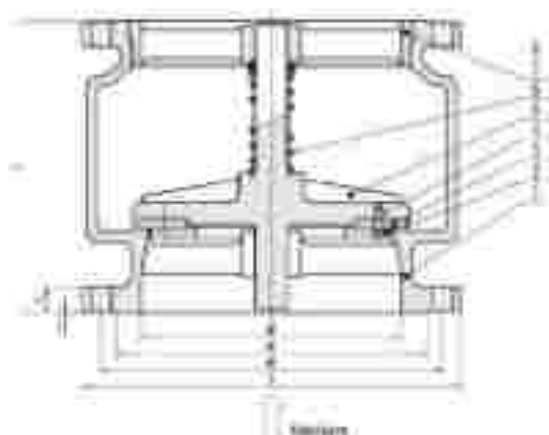


Main Connection Dimension

	25	50	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
HS41X	L	128	192	255	300	378	542	695	1100	1210	1383	1548	1648	1847	2185	2515	2845	3118
	H	210	235	254	279	308	400	503	698	738	778	835	910	927	1210	-	-	-

HB41X Noise Elimination Check Valve

HB41X Noise Elimination Check Valve is for water supply and drainage pipes. Valve with two central axis of the import and export oriented, flexible opening and closing. The valve flap is spring loaded, and its fast closing can effectively reduce the water hammer pressure, sealing performance is good, close without noise. It has small size, light weight, fluid resistance, fatigue resistance, long life and other advantages.

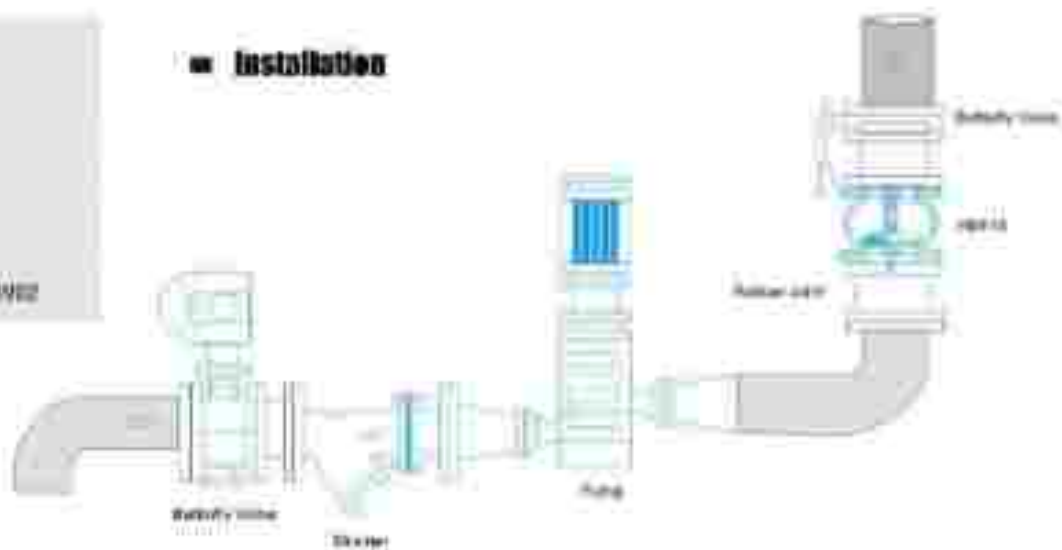


1. Body 2. Seal ring 3. Flap ring 4. Flap 5. Flap support 6. Flap support 7. Flap support 8. Flap support 9. Flap support 10. Flap support

Parameters

Rated Pressure	1.0-2.0MPa
Rated Diameter	50-1000mm
Applicable Medium	Water
Applicable Temp.	0-80℃
Test Standard	GB/T 13927-1992

Installation



Main Material

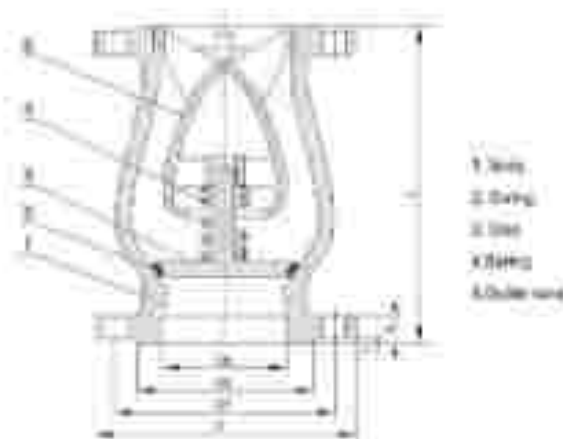
Part Name	Body, Flap support ring	Flap support compression plate	Spring	Seal ring
Material	Gray cast iron HT200, Cast steel WCB, Flange iron-2040X15	Gray cast iron HT200, Cast steel Q235 A, Cast steel WCB, Flange iron-2040X15	Spring steel, Stainless steel	SS304

Main Connection Dimension

HB41X	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800

H42X(DRVZ) Mute Check Valve

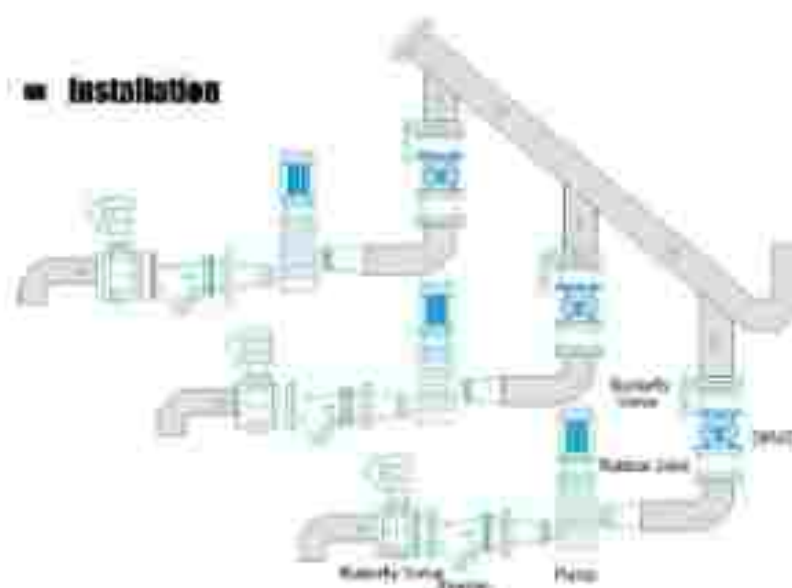
DRVZ mute check valve is composed by valve body, flow deflector, disc, spring and other parts. The internal flow path adopts the streamline design, the pressure loss is small, the valve opening and closing stroke is very short, the pump can be shut down quickly when the pump stops, preventing the huge water hammer sound, forming the mute effect. The valve is mainly used for water supply, drainage, fire, HVAC system can be installed at the pump outlet, to prevent the medium backflow and water hammer damage to the pump.



Parameters

Rated Pressure	1.0-2.0MPa
Rated Diameter	50-1000mm
Applicable Medium	Water
Applicable Temp.	0-80℃
Test Standard	GB/T 13927-1992

Installation



Main Material

Part Name	Body, Gasket, Yarn	Disc	Spring
Material	Gray cast iron HT200, Cast steel WCB, Double iron-21435.15	Disc cast iron HT200, Cast steel Q235 A Cast steel WCB, Double iron-21435.15	Spring steel, Stainless steel

Main Connection Dimension

H42X(DRVZ)	DN	50	65	80	100	125	150	200	250	300
	L	120	100	180	240	300	350	450	500	550

HQ44X/ HQ45X Micro-Resistance Ball Type Check Valve

HQ44X, HQ45X series non wear ball check valve is composed by the valve body, ball and baffle and other components, rubber coated is used as valve disc, under the medium pressure, it will move up and down, right and left in slipway inside the valve body to open or close the valve, muffler closed, does not produce water hammer, sealing performance is good, heat loss is small, can be installed horizontally or vertically. The internal flow channel adopts streamline design, the pressure loss is small, the valve opening and closing stroke is very short, the pump can be shut down quickly, to prevent a huge water hammer sound. The valve is mainly used for water supply, drainage, fire, HVAC system can be installed at the pump outlet to prevent the medium backflow and water hammer damage to the pump.



HQ44X



HQ45X

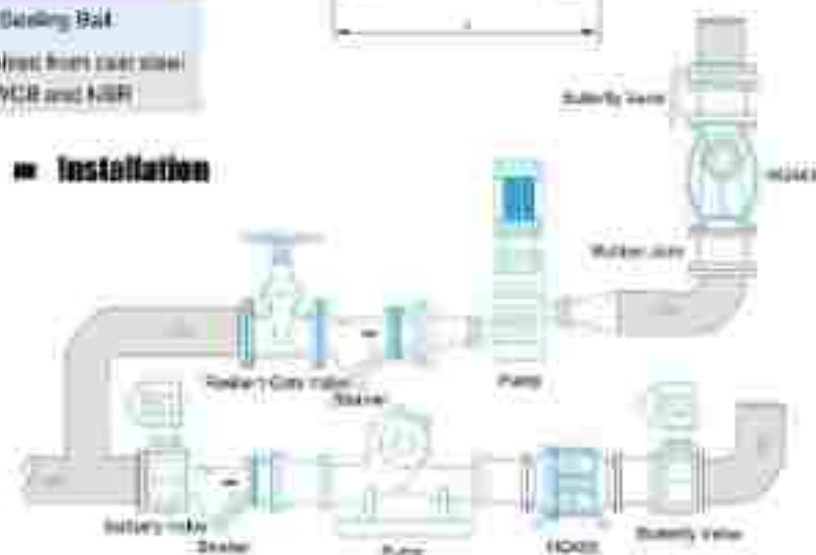
Main Material

Part Name	Body	Sealing Ball
Material	Gray cast iron HT200 Ductile iron QT400-15 Cast Steel WCB	Vulcanized from cast steel WCB and NSF

Installation

Parameters

Nominal Pressure	1.0-2.5MPa
Nominal Diameter	50-600mm
Applicable Medium	Water
Applicable Temp.	0-80℃
Test Standard	GB/T 19025-1992

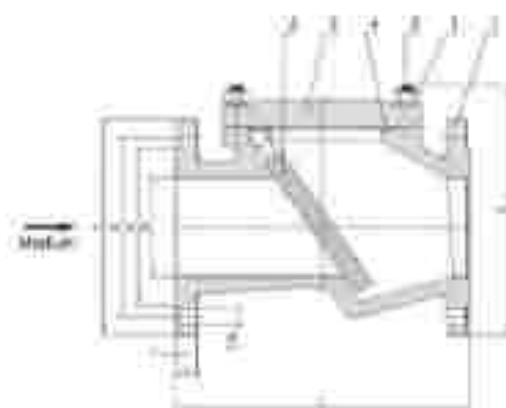


Main Connection Dimension

HQ44X	DN	50	65	80	100	125	150	200	250	300
	L	215	225	265	350	400	465	500	560	600
HQ45X	DN	300	350	400	450	500	600	700	800	900
	L	400	500	575	650	720	800	850	1000	

W4XISFCV Rubber Flap Check Valve

SFCV Rubber Flap Check Valve is composed of valve body, valve deck, valve disc, etc. Mainly installed at the pipe exit of drain system, petroleum, chemical and other industry, to avoid back flow. Because of inclined disc design, valve can be closed quickly, lower water hammer pressure. Disc is high temperature suppressed from NBR and steel, high abrasion resistance, good seal performance, simple structure, easy to maintain, repair and deliver.



1.Valve 2.Valve Deck 3.Disc 4.Spring 5.Valve Body 6.Flange

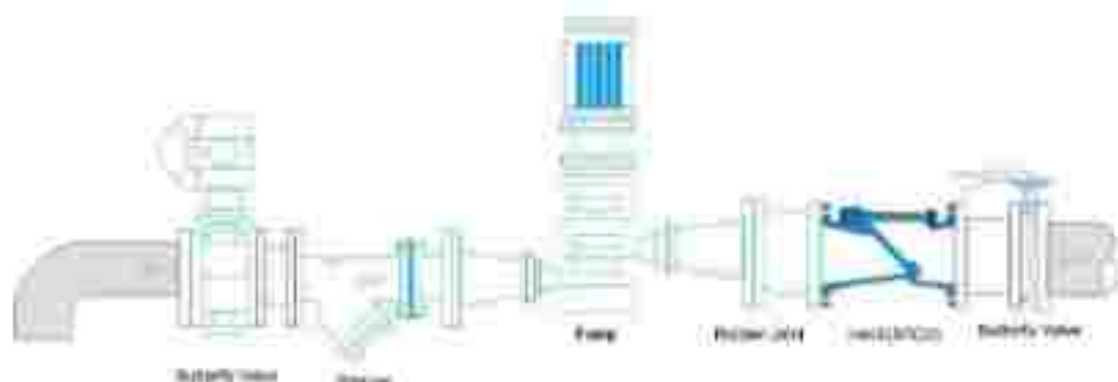
Parameters

Normal Pressure	1.0-2.5MPa
Normal Diameter	50-400mm
Applicable Medium	Water
Applicable Temp.	0-90℃
Test Standard	GB/T 12027-1992

Main Material

Part Name	Material
Body	Grey cast iron HT200, Ductile iron QT400-18 Cast steel WCB
Stem	Grey cast iron HT200, Ductile iron QT400-18 Cast steel WCB
Disc	Vulcanized from steel and NBR

Installation

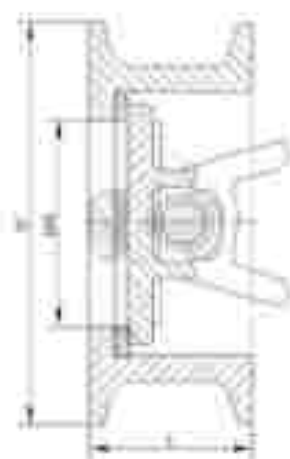


Main Material

W4XIS	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
	L	210	220	230	300	330	360	480	540	630	640	770	830	910	1000	1110

HD76X/ HD76H Wafer Butterfly Check Valve

HD76X / H wafer butterfly check valve is composed by valve body, disc, stem and spring and other components. The valve is mainly applied to pure pipeline and industrial, environmental protection, water treatment, high-rise building water supply and drainage pipe, to prevent the medium backflow. As the valve structure is shorter than the general check valve, it is specially suitable for condition with limited installation space. This check valve adopts wafer structure, disc is two semicircles, and use spring to force reset, the sealing surface can be valve body surfacing wear-resistant material or lining rubber. With wide range use, and reliable sealing.



L: Disc L: Spring H: Valve body H: D: Valve body

Parameters

Nominal Pressure	Nominal Diameter	Applicable Medium	Applicable Temp.	Test Standard
1.0-2.5MPa	50-100mm	Water, oil, etc	0-80℃	GB/T13927-1992

Main Material

Name	Body	Disc	Stem	Spring
Material	Cast iron, stainless steel, ductile iron, etc.	Cast iron, stainless steel, etc.	Carbon steel 45# Stainless steel	Spring steel Stainless steel

Main Connection Dimension

DN	L		D	
	I Type	II Type	1.0MPa	1.6MPa
50	43	60	130	105
65	46	67	134	124
80	64	73	140	140
100	64	73	150	160
125	70	88	180	180
150	70	88	210	210
200	88	127	270	270
250	114	146	300	320
300	114	161	370	380

DN	L		D	
	I Type	II Type	1.0MPa	1.6MPa
350	127	188	400	440
400	140	191	480	480
450	152	200	540	550
500	152	210	580	610
600	176	220	680	720
700	230	300	810	830
800	241	300	910	910
900	241	360	1010	1010
1000	300	430	1120	1120

Remark: I type is short series, II type is long series.

HD7Q42X/H, HD7Q43X/H Full Hydraulic Control Butterfly Check Valve

HD7Q42X/H, HD7Q43X/H full hydraulic control butterfly check valve control part adopts the form of a full hydraulic station controlling, replace the counterweight by a accumulator, reducing the energy loss, transmission mechanism is simplified, small working space. It is suitable for the non-corrosive or corrosive medium of pump outlet pipe for metallurgy, electric power, oil, chemical industry, air, gas, combustible gas and water supply and drainage and other industry. It can be installed horizontally or vertically. The valve is installed after the pump, it can replace the gate valve (butterfly valve) and check valve. And the flow resistance coefficient is small, large diameter butterfly valve flow resistance coefficient is slightly higher than the gate valve. Therefore, this type valve is an energy-saving product. When the valve is closed, it can adjust the fast and slow closing time and the switching angle according to the characteristics of the pipeline system or the user's request, so as to eliminate or reduce the water hammer and protect the system.

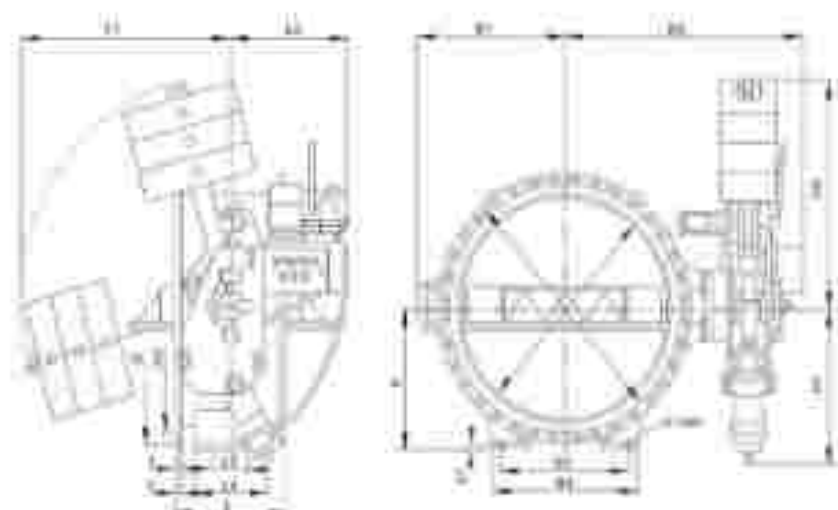


■ Main Connection Dimension

DN	PN	D	D1	B	L	A	B	H
500	1.6	610	620	45	229	720	1855	1360
600	1.6	780	720	76	287	720	1730	1590
700	1.6	850	860	54	232	720	1850	1443
800	1.6	1015	960	56	318	720	1970	1468
900	1.6	1115	1050	61	339	720	2070	1465
1000	1.6	1250	1160	67	410	750	2165	1800
1200	1.6	1365	1280	68	478	805	2265	2000
1400	1.6	1515	1500	68	536	805	2365	2270
1600	0.8	1685	1640	68	470	750	2355	2025
1800	0.8	1830	1665	68	530	750	2455	2270
1800	0.6/0.25	1830	1760	68	600	905	2440	2380
1800	0.6/0.25	2045	1970	70	670	905	2325	2470
2000	0.25	2295	2180	64	760	905	2670	2370
2000	0.25	2475	2390	60	840	1123	4025	2940
2400	0.25	2635	2600	62	910	1123	4030	3000

HD7B42X/H, HD7B43X/H Automatic Pressure Holding Slow Closing Butterfly Check Valve

HD7B42X/H, HD7B43X/H automatic pressure holding slow closing butterfly check valve is suitable for the non-corrosive or corrosive medium of pump outlet pipe for metallurgy, electric power, oil, chemical industry, air, gas, combustible gas and water supply and drainage and other industry. similar to regular butterfly valve, it is used to reduce or avoid water hammer caused by medium backflow, to protect pipeline system, it can replace the gate valve (butterfly valve) and check valve. And the flow resistance coefficient is small, large diameter butterfly valve flow resistance coefficient is slightly higher than the gate valve. When the valve is closed, it can adjust the fast and slow closing time and the switching angle according to the characteristics of the pipeline system or the user's request, so as to eliminate or reduce the water hammer and protect the system.

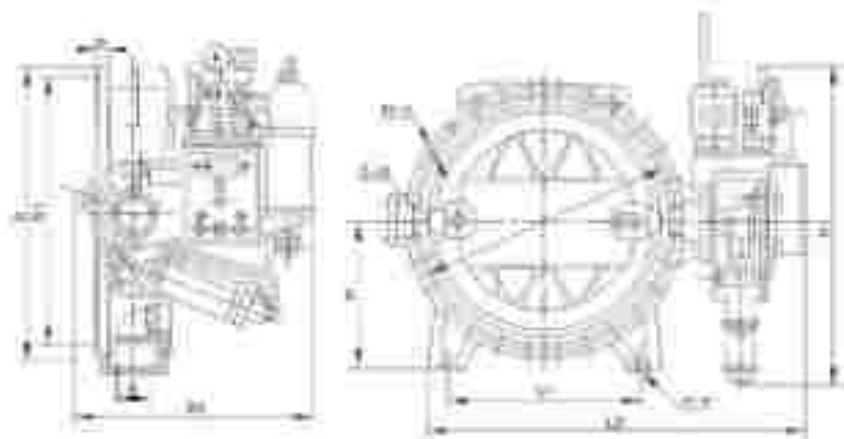


■ Main Connection Dimension

DN	PN(MPa)	L	L1	L2	B1	B2	B3	H1	Z-±
300	1.0	229	879	990	614	912	992	350	20-28
400	1.0	267	930	976	642	1017	1017	406	20-30
500	1.0	332	956	976	610	1019	1219	400	24-30
600	1.0	318	982	990	696	1195	1185	520	24-33
800	1.0	330	990	990	660	1030	1030	570	28-33
1000	1.0	410	661	996	740	1130	1130	625	28-35
1200	0.6	476	690	999	840	1200	1760	710	32-35
	1.0	476	766	1236	860	1882	1882	736	32-38
1400	0.6	530	799	1234	977	1721	1721	800	36-36
	1.0	530	780	1234	1158	1915	1915	800	36-42
1600	0.25	680	776	910	1075	2040	2040	920	40-36
	0.6	600	780	1218	1110	1832	1600	920	40-36
1800	0.25	670	760	1218	1230	1800	1800	1070	44-36
	0.6	670	780	1218	1230	1900	1900	1070	44-36
2000	0.25	790	867	906	1393	2086	2086	1170	48-42
	0.6	780	900	906	1465	2085	2085	1170	48-42
2200	0.25	840	1030	1122	1631	2490	2490	1300	52-42
	0.6	840	1130	1223	1631	2592	2560	1300	52-42
2400	0.25	910	1030	1360	1770	2685	2685	1350	56-42
	0.6	910	1296	1360	1778	2680	2600	1350	56-42

HD7K42X/H, HD7K43X/H Energy Storage Tank Slow Closing Butterfly Check Valve

HD7K42X/H, HD7K43X/H energy storage tank slow closing butterfly check valve is suitable for the non-corrosive or corrosive medium of pump outlet pipe for metallurgy, electric power, oil, chemical industry, air, gas, combustible gas and water supply and drainage and other industry, similar to regular butterfly valve, it is used to reduce or avoid water hammer caused by medium backflow, to protect pipeline system, it can replace the gate valve (butterfly valve) and check valve. And the flow resistance coefficient is small, large diameter butterfly valve flow resistance coefficient is slightly higher than the gate valve. When the valve is closed, it can adjust the fast and slow closing time and the switching angle according to the characteristics of the pipeline system or the user's request, so as to eliminate or reduce the water hammer and protect the system.



■ Main Connection Dimension

DN	PN	L	L1	L2	L3	L4
400	0.6	278	358	1448	300	440
	1.0	278	358	1448	300	440
	1.6	278	358	1448	340	480
450	0.6	220	358	1448	370	440
	1.0	220	358	1448	380	440
	1.6	220	358	1448	390	440
500	0.6	208	380	1448	400	440
	1.0	208	380	1448	410	480
	1.6	208	380	1448	420	480
600	0.6	267	380	1448	440	480
	1.0	267	380	1448	460	480
	1.6	267	420	1820	470	480
700	0.6	380	420	1448	480	480
	1.0	380	420	1820	500	540
	1.6	380	420	1820	570	540
800	0.6	378	420	1820	620	480
	1.0	378	420	1820	640	540
	1.6	378	420	1820	680	540
900	0.6	308	420	1820	700	540
	1.0	308	420	1820	710	540
	1.6	308	470	1820	720	610
1000	0.6	410	420	1820	780	610
	1.0	410	470	1820	770	610
	1.6	410	470	2100	780	610
1200	0.6	470	470	2100	820	610
	1.0	470	470	2100	890	610
	1.6	470	520	2100	910	720
1400	0.6	520	520	2100	1000	720
	1.0	520	520	2100	1020	720
	1.6	520	580	2100	1040	880
1600	0.6	600	580	2100	1120	720
	1.0	600	580	2100	1140	880
	1.6	600	580	2320	1170	880

Resilient Seat Gate Valve

■ Product Description

For a long time, the regular gate valves used in the market have the disadvantage of leaking and rusting. Our company's resilient seated gate valve overcomes regular gate valves' defects like bad sealing, elastic fatigue, rubber aging, rusting, etc. The resilient seated gate valve uses the elastic valve to produce tiny elastic deformation compensation function to achieve the good sealing. The valve has advantages of easy opening, reliable sealing, good elastic memory and long life and so on. It can be widely used as regulating and blocking device in pipelines such as tap water, sewage, construction, petroleum, chemical, food, medicine, textile, electric power, ship, metallurgy and energy system.

Light weight

Body is made of advanced ductile iron, 20% to 30% lighter than traditional gate valve body construction and maintenance.

Flat seat

The traditional gate valve tends to contain foreign objects such as stones, wood, cement, iron debris, etc., when to close tightly and the formation of water leakage. Resilient seat sliding valve bottom with the same water flat design. Resilient to distribute pressure, so that fluid is compressed.

Disc fully coated

Disc is inside and outside coated with high quality rubber. The European-class rubber vulcanization technology makes the vulcanized valve to ensure precise geometry. The rubber and ductile iron disc are connected tightly, not easy to fall off and with good flexible memory.

Fine casting body

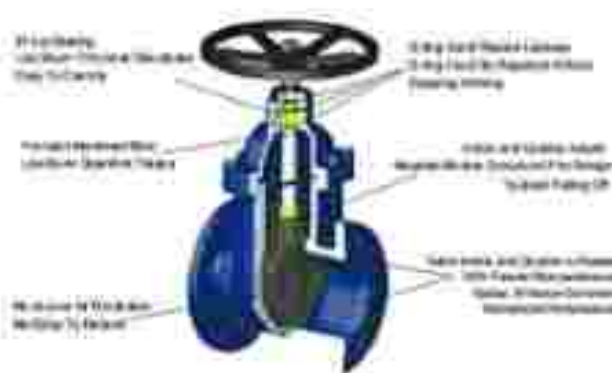
Body with precision casting, precise geometry allows body without any internal flaking to ensure that the valve sealing.

Embedded copper nut

Copper nut and valve are embedded compound, so that the nut closely integrated into one, will not loose or be damaged because of vibration.

Anti-corrosion

Body is epoxy coated, to prevent corrosion and rust of the valve body, and can be used for sewage systems.



Three O-ring Sealing

As the valve body with three O-ring seal ring design, can reduce the frictional resistance of the switch, a significant reduction in water leakage and the construction can be repaired without water seal.

Suitable for drinking water

As the valve body is the national iron disinfection standard, the internal and external surface of the valve are completely covered with rubber and not appear rust or corrosion phenomenon, for drinking.

■ Main Features

Nominal Diameter	DN50-1200
Nominal Pressure	PN0.6MPa - 2.5MPa
Flange Connect Size	China, US standard, etc
Pressure Test	GB/T13327-1992, JB/T2002-1999
Suitable Medium	Water, Sewage, oil, etc
Working Temp.	0-80℃

■ Main Parts Material

Name	Material
Handwheel	Malleable cast iron, ductile iron, carbon steel
Stem Nut	Copper alloy
Bracket	Gray cast iron, ductile iron, cast steel
Disc	Ductile iron, cast steel
Seal Ring	NBR, EPDM
Stem	High quality carbon steel 45, stainless steel
Thrust Washer	NBR, EPDM
Disc	Ductile iron + EPDM/NBR
Body	Gray cast iron, ductile iron, cast steel
Thrust Washer	Tin bronze
Stem Sleeve	Tin bronze
O-ring	NBR

GL41H YSTF Strainer

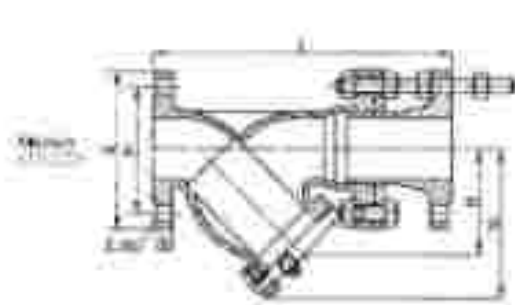
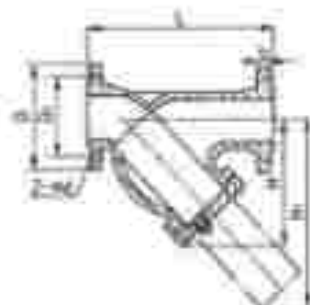
GL41H, YSTF Y strainer is installed at the entrance of valve and other device, to prevent particulate impurities into the pipe, causing congestion and disable other valves and devices. Y strainer is made with simply structure, low flow resistance, it could discharge impurities online, no need to dismantle.



GL41H Y strainer



YSTF Y strainer



Parameters

Model	Normal Pressure PN (MPa)	Steel Test Pressure (MPa)	Working Pressure (MPa)
GL41H	1.0	1.8	1.0
YSTF	1.6	2.4	1.6

Main Material

Name	Body	Filter Screen
Material	Grey cast iron or ductile iron; Cast steel	Stainless steel

Main Connection Dimension

	DN	40	45	50	100	125	150	200	250	300	350	400	500	600
GL41H	L	240	240	320	380	400	540	600	600	630	780	850	850	1000
	H	155	155	210	230	300	338	430	500	578	598	618	690	768
	H1	155	270	295	344	422	485	602	710	810	844	872	978	1080
YSTF	L	310	340	420	480	540	610	750	785	860	1025	1150		
	H	155	155	210	210	300	338	430	500	578	598	618		
	H1	155	270	295	344	422	485	602	710	810	844	872		

ZPG Automatic Backwash Strainer

ZPG-L Angle type automatic backwash strainer is a essential device in pipeline system, the function of it is to remove mechanical impurities from the media, to prevent the device in pipeline system from abrasion and blocking. ZPG series strainer has the advantage of small structure, low resistance, high efficiency, easy to install and repair, low cost.



Straight-through type backwash strainer



Right angle type backwash strainer

Automatic Backwash Drain Principle



Straight-through type backwash drain principle



Right angle type backwash drain principle

Main Connection Dimension

ZPG-I Straight through automatic drain strainer						ZPG-II Right angle automatic drain strainer					
Model	L	K	B	D	Drain pipe DN	Model	L	K	B	D	Drain pipe DN
ZPG-I-40	240	180	80	80	15	ZPG-II-40	340	170	80	220	30
ZPG-I-50	250	180	70	100	15	ZPG-II-50	350	180	80	240	30
ZPG-I-65	270	190	80	120	20	ZPG-II-65	360	200	100	270	30
ZPG-I-80	300	210	80	140	25	ZPG-II-80	440	230	120	310	40
ZPG-I-100	350	230	120	160	30	ZPG-II-100	550	260	140	360	50
ZPG-I-125	420	250	150	200	40	ZPG-II-125	620	310	170	440	60
ZPG-I-150	520	300	180	250	50	ZPG-II-150	730	370	220	500	70
ZPG-I-200	700	520	220	300	65	ZPG-II-200	880	500	260	620	80
ZPG-I-250	870	600	280	350	80	ZPG-II-250	1120	620	310	820	90
ZPG-I-300	1050	780	280	380	100	ZPG-II-300	1310	710	350	1000	100
ZPG-I-350	1200	880	330	400	120	ZPG-II-350	1510	870	410	1180	120
ZPG-I-400	1400	1040	370	460	150	ZPG-II-400	1720	1000	470	1330	150
ZPG-I-450	1500	1140	400	500	180	ZPG-II-450	1860	1120	510	1500	180
ZPG-I-500	1700	1290	450	580	180	ZPG-II-500	2080	1250	550	1680	200
ZPG-I-600	2000	1480	530	680	200	ZPG-II-600	2430	1500	650	2000	250
ZPG-I-700	2280	1720	600	780	200	ZPG-II-700	2680	1630	680	2180	280
ZPG-I-800	2500	1900	680	820	200	ZPG-II-800	2880	1750	750	2300	300
ZPG-I-900	2800	2180	780	880	200	ZPG-II-900	3110	1850	800	2480	320
ZPG-I-1000	3120	2470	880	980	230	ZPG-II-1000	3370	2000	900	2670	350
ZPG-I-1100	3400	2730	910	1080	250	ZPG-II-1100	3610	2120	1000	2900	380
ZPG-I-1200	3780	3000	980	1180	250	ZPG-II-1200	3860	2250	1100	3080	400
ZPG-I-1300	4170	3280	1200	1400	250	ZPG-II-1300	4110	2400	1200	3300	450

ZPG Automatic Backwash Strainer

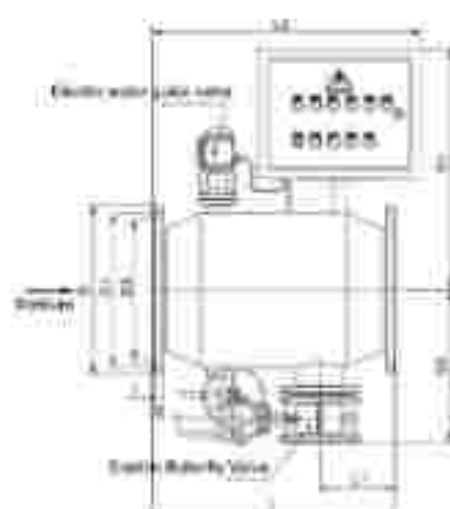
DZPG-I electric straight-through type backwash drain strainer is composed by shell, stainless steel screen, impurity collection section, electric butterfly valve (impurity drain), electric water flow pilot valve, electric actuators and electronic control box. This filter has a timer setting function, according to the quality of impurities and pipe network system needs to set backwash filter time, relying on electric actuators, achieved regularly automatic backwashing filter, sewage, cleaning. And cleaning, sewage filtration process is completed at the same time, do not need to stop the flow of water.

This series strainer is suitable for a variety of hot water heating systems, cold water and air conditioning systems, cooling tower systems, water supply systems, process water systems, and industrial cooling water systems, especially 24-hour non-stop operation system. A variety of mechanical impurities can be filtered out, to ensure the safe operation of system equipments.

■ Features

DZPG-I-type electric straight-through automatic backwash drain strainer has the all performance of ZPG-I-type strainer, and it also has the unique characteristics as below:

1. DZPG-I-type drain can on site and remote controlling, easy operation and management, high filtration rate, simple and reliable flushing, high backwashing ability.
2. By setting the timing unit, in the case of continuous operation of the system, it can be fully automatic filtering, draining, backwashing, cleaning, ensure efficient use of the strainer.
3. DZPG-I-type filter in addition to automatic control, you can also manually control, filtering, draining, cleaning.
4. The control box has filter working status, cleaning status, and fault status indication, and the corresponding signal output, easy to operate.
5. The electric control box is equiped within strong electric power circuit, strong control circuit and weak control circuit and other circuits associated with the control device terminal blocks and connecting wires were separated layout, to prevent the strong circuit to interfere with the weak circuit measures, Conducive to operation, maintenance and safety.
6. The control box is equiped with a fault alarm and input terminals, when electrical control system failure, it will issue an alarm signal.
7. Draining, backwash draining, cleaning time can be adjusted. The amount of draining is less than 10% of the normal working flow.



■ Main Connection Dimension

DZPG-I	DN	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
	L	458	708	700	800	900	1000	1100	1208	1308	1400	1500	1600	1800	2000	2308	2400
	L3	180	210	215	240	255	280										
	L2	205	220	225	240												
	H1	640	730	745	780	820	850										
	H2	410	445	470	515	560	575										
	Flange DN	80	100	125	150	180	200	250	300	350	400	450	500	550	600	650	700

ZYA8000K/ ZYA9000X Water Hammer Absorber

ZYA8000 type rubber liner water hammer absorber is composed of shell, high-level synthetic rubber elastic liner and porous pipe and other components. Applicable to industrial and mining, enterprises, high-rise buildings, power plants and other water supply and drainage systems. No need to stop water flow, it has excellent water hammer absorption, can effectively absorb the water hammer.

ZYA9000 piston air bag water hammer absorber has a closed chamber inside, the lower position is a piston. When the surge wave goes into the water hammer absorber, the surge shock works on the piston, the piston will move to the chamber direction, the piston will move up and down under a certain pressure air and the role of irregular water shock, to form a dynamic balance, thus eliminating the irregular surge shocks.

Parameters

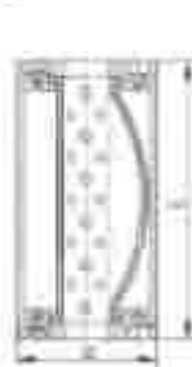
Service Pressure(MPa)	1.6	2.5	
Test Pressure	Shell Strength	2.4	2.75
MPa	Shell Size	1.75	2.75
Chamber Pressure	0.05MPa		
Flow Coefficient	Kv=100		
Applicable Media	Clean water without suspended matter		
Applicable Temperature(°C)	0-80℃		



ZYA8000



ZYA9000



ZYA8000K

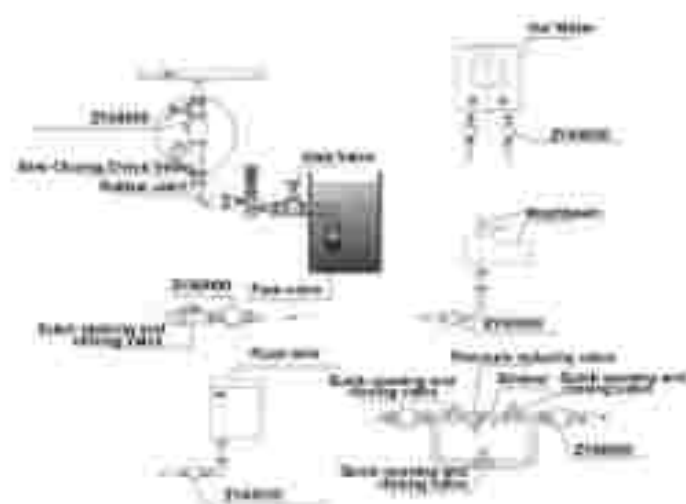
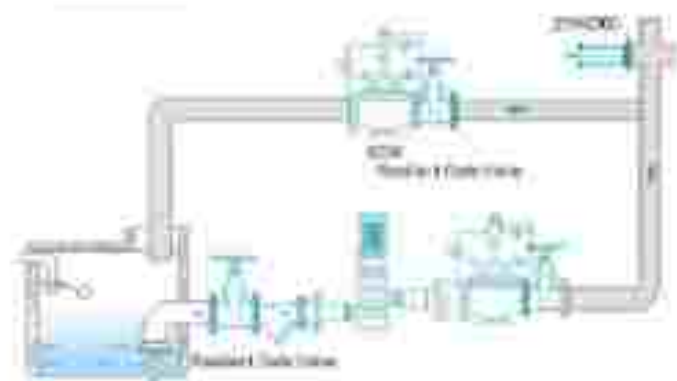


ZYA9000X

Main Connection Dimension

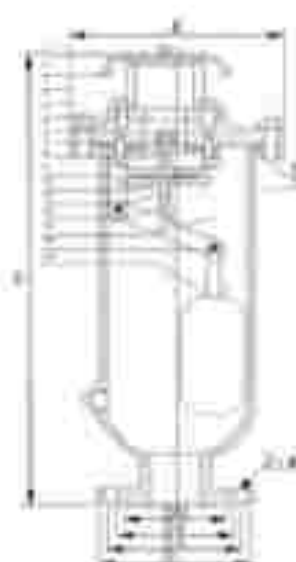
ZYA9000				ZYA8000				ZYA8000K			
DN		L		DN		L		DN		Q	
inch	mm	1.6MPa	2.5MPa	inch	mm	1.6MPa	2.5MPa	inch	mm	Q	Q
1/2	15	200	220	1	40	610	320	1	50	165	250
3/4	20	200	220	1	100	670	380	1 1/2	65	185	320
1	25	220	240	1	125	680	400	2	80	200	375
1 1/4	32	240	255	1	150	685	440	4	100	220	450
1 1/2	40	260	280	1	200	730	450	5	125	250	550
2	50	300	330	10	250	820	550	6	150	280	625
2	65	365	400	12	300	930	650	8	200	340	810

Installation



SCAR Sewage Combined Exhaust Valve

The product is installed at the highest point on the sewage pipeline of the place with a closed gas to eliminate the gas in the sewage pipe to clear the pipe and make the pipe run normally. If this valve is not installed, the pipe will be closed, so that the sewage flow rate will be affected, and even interrupted. In the event of a power outage, a negative pressure may appear in the pipe at any time, which will cause the pipe to vibrate or rupture, and the exhaust valve will quickly be sucked into the pipe to prevent vibration or rupture.



■ Working Principle

When sewage in pipeline is flowing, the valve flap stays in the lower part of the positioning frame, a large amount of air is exhausted, when the air finished exhausting, the sewage flows into the valve, the float ball will float up, transmits to the flap to close valve, stop exhausting. When pipeline is in working condition, it will naturally produces a small amount air, these air will be concentrated in the upper part of the pipeline, to a considerable extent, the sewage in valve will flow down, float ball floats down together with sewage, air will be exhausted from the small holes. In the event of a power outage, stop pump, negative pressure occurs at any time when the water flow in the pipe is empty, the float ball floats downwards, open the small hole to drive the large hole to indraft a lot of air to ensure pipeline safety.

Note: When in working condition, exhaust valve pressure should be not less than 0.02MPa, if less than 0.02MPa, the exhaust valve may leaks, must be equipped with a another exhaust valve for maintenance use.

■ Parameters

1 Working pressure: 1.0/1.6/2.0 MPa, 2 Medium: water, sewage, 3 Working temperature: normal, 4 Body material: Cast steel, ductile steel, 5 Float ball and flap SUS304, 6 Sealing NBR, EPDM

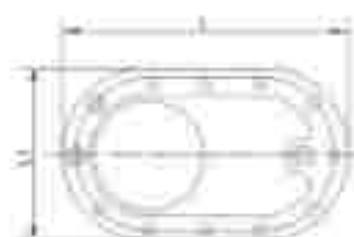
■ Main connection size

DN(mm)	D	G1	G2	H	Z-1
50	160	125	205	495	4-18
80	195	160	272	600	4-18
100	215	180	285	700	8-18
150	290	240	340	820	8-22
200	305	295	400	950	8-22
250	390	350	465	1100	12-22

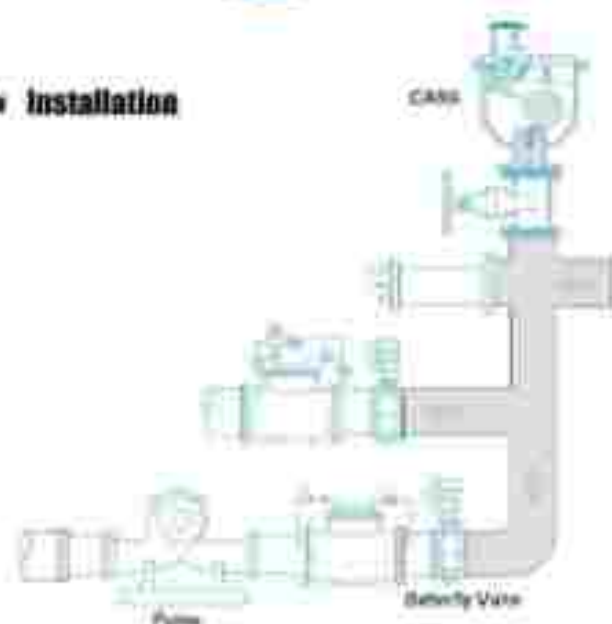
CARX Combined Exhaust Valve

This exhaust valve body is a cylinder shape valve, composed of stainless steel float ball, lever and disc. This valve are often fixed in the highest point or closing space of the pipeline, to release air to increase the efficiency of pipeline and pump, to achieve normal working condition. If do not install exhaust valve, the liquid flow inside the tube will generate air cause by dynamic thermal, form a short circuit, so that the pipeline capacity of the water can not meet the requirements. and second, if there is power failure or pump stopping, negative pressure will be formed in the pipeline, which will lead to vibration or rupture, the exhaust valve will quickly suck air into the pipeline, to prevent the pipeline from vibration or rupture.

When injecting water into pipeline, the disc keep open to exhaust air. After the valve is full of water, then no air in it, the float ball will rise, which will drive the disc close. When the pipeline transit the water, the water level will fall if the little air gather into a certain amount, then the air will be exhausted through orifice. But the plug will be opened quickly to absorb air when no water or negative pressure in the pipes after closing the pump, to keep the pipeline safe.



■ Installation



■ Parameters

Normal Pressure	1.0-1.0MPa
Maximal Diameter	DN25-50 Thread end; DN50-200 Flange end
Applicable Medium	Water, oil and other non-corrosive liquid
Applicable Temp.	0-100℃
Test Standard	GB/T 13007-1990

■ Main Material

Body, Discet	Floting Ball	Lever Discet, Lever
Grey cast iron, ductile iron, Cast steel	Stainless steel	Cast steel, Stainless steel

■ Main connection size

	DN	25	32	50	65	80	100	150	200
CARX	L	280	280	300	340	400	480	517	537
	L3	176	176	208	200	244	275	332	352
	H	330	330	476	475	460	623	688	698

■ Air Displacement Per Hour

DN	25	32	50	65	80	100	150	200	300	400
CBM/hour	2.88	45-162	21-304	34-1413	76-3125	130-8837	242-2631	306-12777	415-17300	642-22608

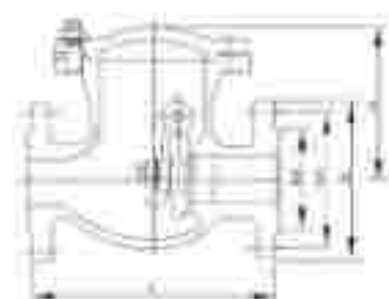
H44X/T/Y/H Swing Check Valve

Brief introduction

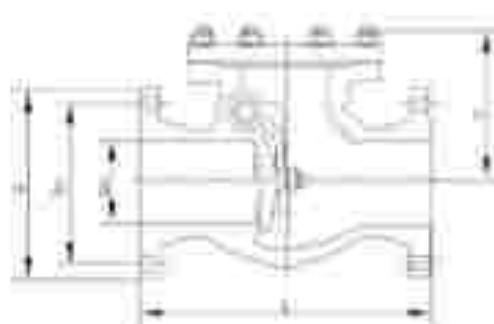
Swing check valve is suitable for pipeline of petroleum, chemical, hydropower power station with nominal pressure 1.6-5.0MPa, working temperature -29~553℃. Applicable medium is water, oil, steam, etc.



H44H17Y



H44OT



Main material

Body	Bonnet	Disc	Seat	Applicable Medium	Applicable Temp.
HT200, QT400-18	HT200, QT400-18, WCB	WCB	Copper alloy, Inconel, SS-stainless	Water	<200℃
WCB	WCB	WCB	WCB	Water/Oil/Steam	<425℃
ZG1Cr18Ni9Ti	304/316SS	304/316SS	304/316SS	Nitric Acid	<200℃
ZG1Cr18Ni9Ti	CF8M	CF8M	ZG1Cr18Ni9Ti	Phosphoric acid Acetic acid / mixed acid	<200℃
ZG1Cr18Ni9Ti	CF8M	CF8M	CF8M	Urea / methyl ammonium Phosphoric acid	<200℃
ZG1Cr18Ni9	ZG1Cr18Ni9	ZG1Cr18Ni9	ZG1Cr18Ni9	Water/Oil/Steam	<550℃

Main connection dimension

Unit: mm

	DN	40	50	65	80	100	125	150	200	250	300	400	450	500	600	700	800
H44X H44T	L	200	250	290	310	350	400	480	580	650	720	820	1000	1050	1200	1400	1440
	D	145	160	180	190	215	240	265	325	360	420	440	585	615	670	790	900
	H	125	130	142	160	175	200	230	282	300	330	370	445	455	525	580	625
	Or	50	65	80	100	125	150	180	220	250	300	330	400	450	500	600	650
H44H H44Y	L	230	290	310	350	400	480	580	650	720	820	920	1000	1050	1200	1400	1440
	D	160	180	190	215	240	265	325	360	420	440	585	615	670	790	900	950
	H	130	142	160	175	200	230	282	300	330	370	445	455	525	580	625	675
	Or	60	80	100	125	150	180	220	250	300	330	400	450	500	600	650	700

FA49H Explosion-Proof Surge Valve

FA49H Explosion-proof surge valve is a water safety valve that can block water hammer and eliminate destructive water hammer. Usually installed in the front of the pipeline, composed of several safety valves, with a buffer spring structure. When water hammer formed but not enough to cause damage, the buffer spring will resolve the water hammer; when the water hammer is enough to destroy the equipments after the valve, the safety valve group will work, to release the pressure in valve chamber, to prevent the equipments behind the valve from water hammer destruction. The valve is reliable, no need to re-test after the explosion, can work continuously. Service life is long.



Main Parameters

Nominal Pressure	1.0-1.6MPa
Nominal diameter	30-200mm
Applicable medium	Water, oil and other non-corrosive medium
Applicable temperature	0-80℃
Test standard	GB/T10321-1992

Main Material

Body, Bonnet	Spring
Cast steel, Carbon steel	Spring steel, Stainless steel

Installation



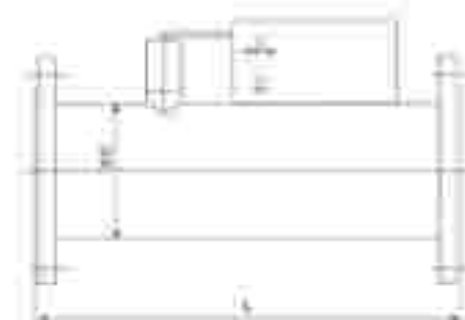
Connection Dimension

	25	32	40	50	65	80	100	125	150	200
FA49H	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	160	165	165	165	165	165	165	165	165	165

Unit: mm

LZ-1 Multi-functional Electronic Water Treatment Device

Multi-functional electronic water treatment device with direct outlet for water system is the latest generation of electronic water treatment equipment. The device has anti-scaling, descaling, anti-corrosion, anti-rust, sterilization, algae removal, activate water quality and other functions. Water treatment device is widely used in central air conditioning systems, industrial cooling systems, heat exchange systems, hot water boiler systems and other water equipment systems.



Parameters

Device Name	LZ-1 Multi-functional Electronic Water Treatment Device
Applicable Water Quality	Water quality: $\leq 1000\text{mg/L}$ (CaCO ₃) Hardness: $\leq 1000\text{mg/L}$
Performance Indicators	Removal rate: $\geq 95\%$ Sterilization: $\geq 99.9\%$ Corrosion rate: $\leq 0.1\text{mm/a}$
Test Results	Test results: $\geq 95\%$ Test results: $\geq 99.9\%$ Test results: $\leq 0.1\text{mm/a}$

Main connection size

LZ-1	DN	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
	DO	114	133	158	219	273	325	377	428	478	530	635	725	825	925	1025
	L	500	508	508	520	600	650	700	750	800	850	950	1050	1150	1250	1350
	出口管径 DN	50	40	40	50	50	60	60	80	100	120	150	180	240	240	400
	最大流量 m³/h	80	120	160	320	480	720	970	1280	1600	1870	2800	3800	5800	8400	12000
LZ-2	DN	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
	DO	114	133	158	219	273	325	377	428	478	530	635	725	825	925	1025
	L	500	508	508	520	600	650	700	750	800	850	950	1050	1150	1250	1350
	出口管径 DN	50	40	40	50	50	60	60	80	100	120	150	180	240	240	400
	最大流量 m³/h	80	120	160	320	480	720	970	1280	1600	1870	2800	3800	5800	8400	12000

B71X/L, B371X/L, B671X/L, B971X/L Concentric Manual, Pneumatic, Electric Rubber Seal Butterfly Valve



Main connection size

B71X/L B371X/L	DN	25	35	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	43	48	48	52	58	64	80	86	96	116	127	134	144	155	180	203	218	234			



Main connection size

B671X/L B971X/L	DN	30	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	49	48	48	52	58	64	80	86	96	116	127	134	144	155	180	203	218	234			

D41W, D1341W, D1641W, D1941W Ventilation Butterfly Valve

Our company's ventilation butterfly valve is manufactured from welded steel, with advantage of short structure, light weight, easy installation and so on. The valve drive torque is small, flexible to open and close, easy to operate. The valve body is equipped with an oil seal ring, and there is no visible gap between the sealing surfaces and the leakage rate is small. The expansion gap between disc and valve body is big, can be effective avoid stuck caused by thermal expansion and contraction. The valve can be equipped with a variety of actuators, such as manual actuator, worm gear actuator, pneumatic actuator, electric actuator. Ventilation butterfly valve is widely used in metallurgy, oil, electricity, building materials, mining and other industrial pipelines, to control and regulate the medium. Applicable medium: gas, dust-laden gas, fume gas and so on.



Main connection size

D41W	DN	150	200	250	300	350	400	450	500	600	700	800
	L	182	193	128	125	145	148	166	183	198	186	258



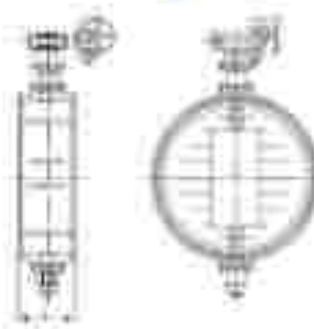
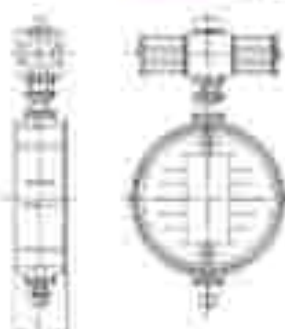
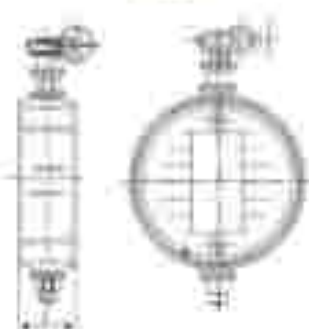
D1341W



D1641W



D1941W



Main connection size

D1341W D1641W D1941W	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	42	48	48	52	56	56	60	68	78	78	100	114	127	144	165	185	202	218	264

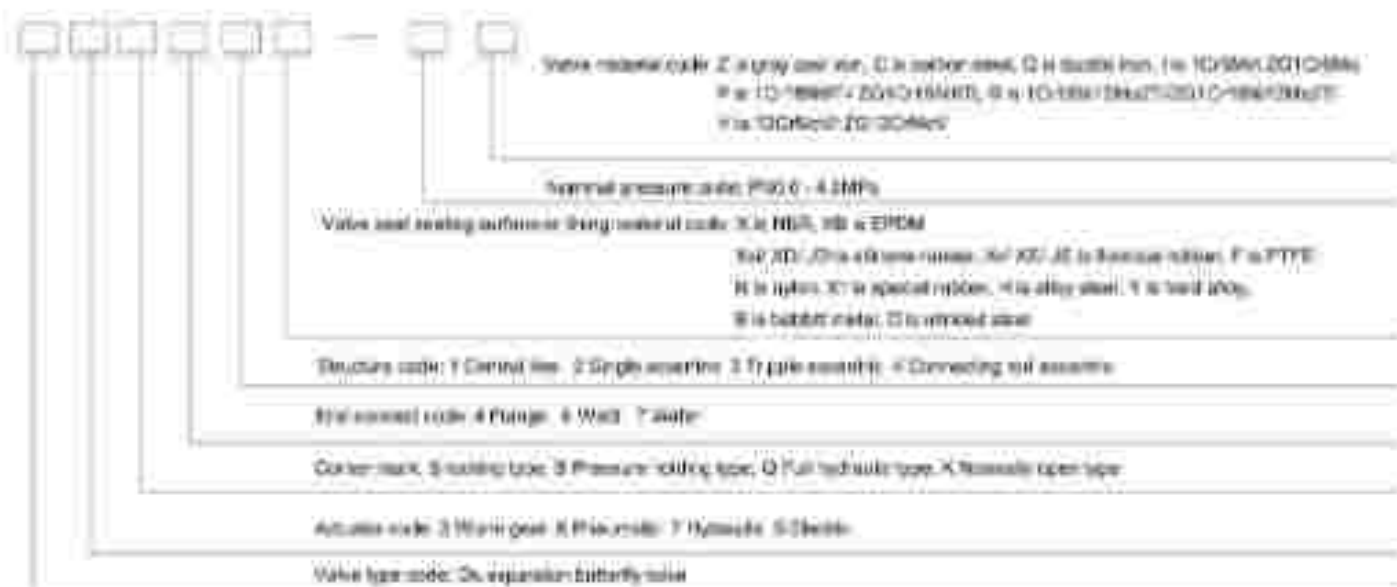
Expansion Butterfly Valve

■ Product Description

Expansion butterfly valve has the function of automatic compensation for pipeline thermal expansion and contraction, convenient loading and unloading, suitable for water supply and air pipeline for food, medicine, chemicals, petroleum, electricity, textile, paper and other industries, with temperature $\leq 80^{\circ}\text{C}$ and nominal pressure $\leq 2.5\text{MPa}$, to cut off or regulate medium.

The valve can be equipped with a variety of actuators, such as manual actuator, worm gear actuator, pneumatic actuator, electric actuator.

■ Product Model And Model Preparation Method



■ Parameters

Nominal Diameter	DN50-2000
Nominal Pressure	PN0.6MPa-2.5MPa
Design Standard	JB/T3299-1999
Flange Standard	GB, JB, ANSI, etc.
Face To Face	GB/T12221-2005
Pressure Test	GB/T13927-1992 JB/T30600-1999
Applicable Medium	Air, water, sewage, steam, gas, oil, etc.

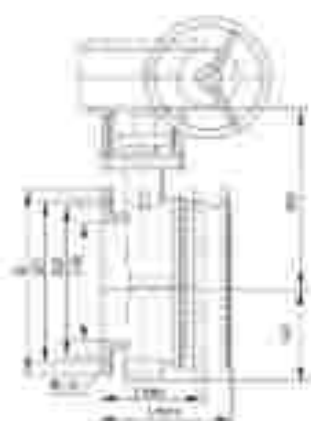
■ Main Material

Parts	Material
Body	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Disc	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Seal ring	Rubber, PTFE
Stem	40Cr, 20Cr13 stainless steel
PACKING	Flax or graphite, Graphite asbestos rope

■ Sealing Material And Applicable Temperature

Name	CR	NBR	EPDM	PTFE	S	NYLON	NR	PA
Code	K or J	M or A	R or B	F or X, C, D	X or H, J	A or E	K	A
Max Temp.	52°C	82°C	150°C	230°C	250°C	254°C	82°C	82°C
Min Temp.	-40°C	-42°C	-40°C	-200°C	-70°C	-23°C	-20°C	-72°C
Applicable Working Temp.	0-80°C	-20-82°C	-40-125°C	-30-150°C	-70-150°C	-33-150°C	-20-82°C	-30-82°C

Expansion Butterfly Valve



■ Main connection size

DN	D	D1	D2	Lmax	Lmin	H	H2	W.C.2
100	220	180	158	210	174	210	170	8-218
125	270	210	184	230	188	220	182	8-218
150	285	240	211	239	194	240	210	8-222
200	340	288	258	264	214	270	238	8-222
250	388	330	314	298	235	300	270	12-222
300	445	400	370	300	250	320	300	12-222
350	525	480	428	320	270	340	330	16-222
400	565	515	463	332	282	365	358	16-228
450	615	565	509	348	300	370	362	20-228
500	670	620	562	365	315	387	378	20-230
600	780	728	662	400	340	393	400	24-238
700	865	800	734	448	388	455	458	24-238
800	1018	950	887	475	425	515	525	28-238
900	1118	1060	1001	508	468	580	580	36-238
1000	1255	1180	1112	548	508	622	620	28-238
1200	1455	1362	1288	600	560	720	680	32-238
1400	1675	1582	1500	660	640	848	807	36-242
1600	1815	1802	1750	690	685	965	918	40-248
1800	2118	2022	1950	800	800	1060	1058	44-248
2000	2325	2230	2150	920	920	1180	1205	48-248

Rubber Seal Butterfly Valve

■ Product Description

Our company's eccentric, eccentric rubber seal butterfly valve have two types: wafer type and flange type. The structure is compact, easy to open and close, sealing is reliable, with long service life. Suitable for water supply and air pipeline for food, medicine, chemicals, petroleum, electricity, textile, paper and other industries, to cut off or regulate medium its main features are:

- 1 Design is novel and reasonable, small operating torque, easy to operate. Suitable to install handle, worm gear drive, pneumatic, hydraulic, electric and other control devices.
- 2 Can be installed in any location, easy maintenance.
- 3 Sealing performance is reliable, zero leakage.

■ Product Model And Model Preparation Method



■ Parameters

Nominal Diameter	DN50-2000
Nominal Pressure	PN0.6MPa-2.5MPa
Design Standard	JB/T5219-1999
Flange Standard	GB, JB, ANSI, etc.
Face To Face	GB/T12221-2005
Pressure Test	GB/T13027-1992, JB/T4002-1999
Applicable Medium	Air, water, sewage, steam gas, etc.

■ Main Material

Part	Material
Body	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Disc	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Seat ring	Rubber, PTFE
Stem	40Cr, 20Cr13, stainless steel
Packing	Flexible graphite, Graphite asbestos rope

■ Sealing Material And Applicable Temperature

Name	CR	NBR	EPDM	PTFE	SI	VITON	FKM	PA
Code	K or J	XA or JA	XB or JB	F or XG, JC	SD or JD	XE or JE	ET	N
Max Temp.	120°C	110°C	150°C	232°C	250°C	250°C	250°C	250°C
Min Temp.	-40°C	-40°C	-40°C	-253°C	-70°C	-20°C	-20°C	-70°C
Applicable Working Temp.	0-120°C	-20-110°C	-40-150°C	-25-232°C	-70-250°C	-20-250°C	-20-250°C	-70-250°C

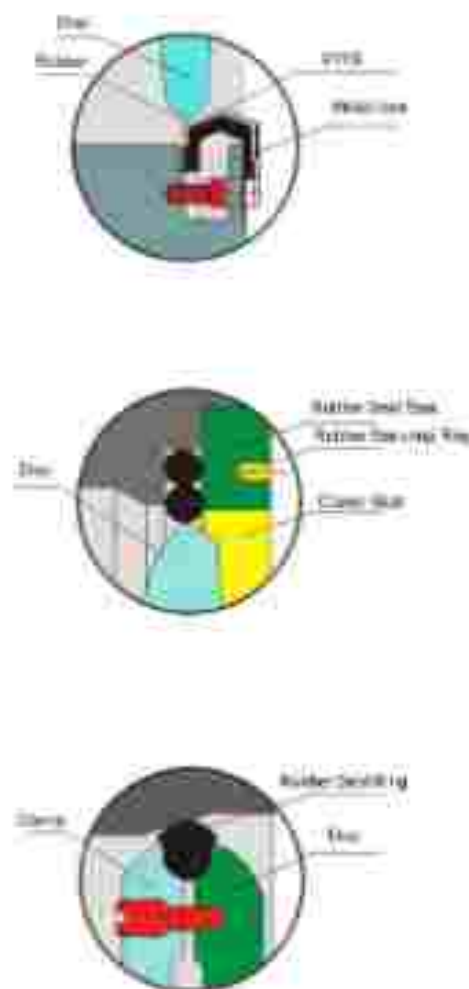
Rubber Seal Butterfly Valve

Sealing Surface Material List

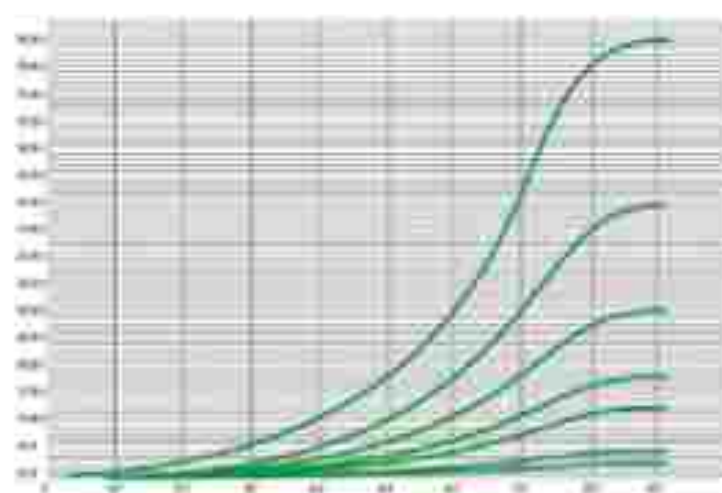
Material	Applicable Temp. °C	Medium													Features
		Food Grade	Sea Water	Oil	Strong Acid	Weak Acid	Strong Alkali	Weak Alkali	Alcohol	Miscel. Gas	Steam	Air	Steam	Oil	
NBR	-40 ~ 90°C	●	●	●	▲	●	●	▲	●	●	●	●	●	●	Oil resistance
EPDM	-50 ~ 135°C	●	●	●	●	●	●	●	▲	●	●	●	●	●	Ageing resistant
Nature Rubber	-20 ~ 80°C	●	●	●	●	●	●	●	●	●	●	●	●	●	High elasticity
Nitrorene	-40 ~ 80°C	●	●	●	●	●	●	●	●	●	●	●	●	●	Light Aging Resistance
Styrene Rubber	-55 ~ 210°C	●	●	●	●	●	●	●	●	●	●	●	●	●	High temp. resistance
Fluorine Rubber	-25 ~ 204°C	●	●	●	●	●	●	●	●	●	●	●	●	●	High temp., Corrosive resistance
PTFE	-200 ~ 100°C	▲	▲	●	●	●	●	●	●	●	●	●	●	●	Heat/Strong corrosive resistance
Chromed Ductile Iron	-30 ~ 350°C	●	●	●	●	●	●	●	●	●	●	●	●	●	Heat resistance
Nylon Coated Di	-50 ~ 95°C	●	●	●	●	●	●	●	●	●	●	●	●	●	Resistant/Corrosive resistance
Poly Ac Coated Di	-30 ~ 130°C	●	●	●	●	●	●	●	●	●	●	●	●	●	Resistant/Strong corrosive resistance
PTFE Coated Di	-30 ~ 160°C	●	●	●	●	●	●	●	●	●	●	●	●	●	Heat/Strong corrosive resistance
Stainless Steel	-30 ~ 232°C	●	●	●	●	●	●	●	●	●	●	●	●	●	Heat/Corrosive resistance
Al bronze	-258 ~ 638°C	●	●	●	●	●	●	●	●	●	●	●	●	●	High temp., Corrosive resistance
Chromed Cast Iron Copper	-29 ~ 425°C	▲	●	●	●	●	●	●	●	●	●	●	●	●	High temp. resistance

Remarks: ● Very suitable, ▲ Suitable, ● means it is not suitable when the value is high than 1.0MPa, ● Limited suitable, ● Not suitable

Sealing Structure



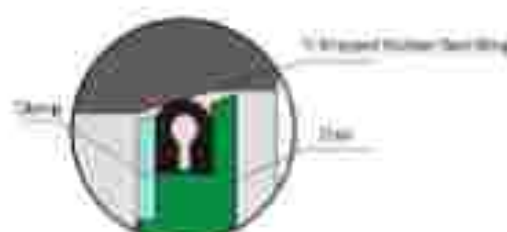
Flow Diagram



Definition of Coefficient of Friction (Cf):
 The coefficient of friction (Cf) is the ratio of the friction force (F) to the normal force (N) acting on the contact surface. It is a dimensionless quantity and is used to describe the resistance to motion between two surfaces in contact.

$$Cf = \frac{F}{N}$$

(F: Friction force)
 (N: Normal force)
 (P: Pressure)



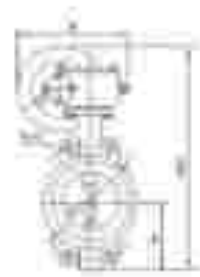
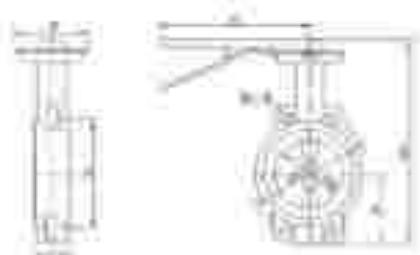
072, 0372, 0672, 0972X/I Eccentric Manual, Pneumatic, Electric Water Rubber Seal Butterfly Valve



072X/I



0372X/I



■ Main connection size

072X/I 0372X/I	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	43	44	45	52	58	58	60	68	78	78	102	114	127	154	165	190	203	216	254



0672X/I



0972X/I



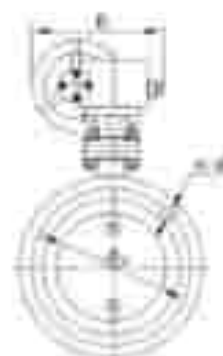
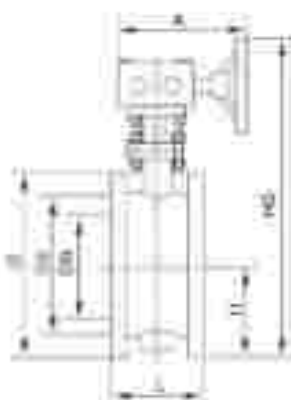
■ Main connection size

0672X/I 0972X/I	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	43	44	45	52	58	58	60	68	78	78	102	114	127	154	165	190	203	216	254

D342X/L D642X/L D942X/T Eccentric Flanged Rubber Seal Butterfly Valve



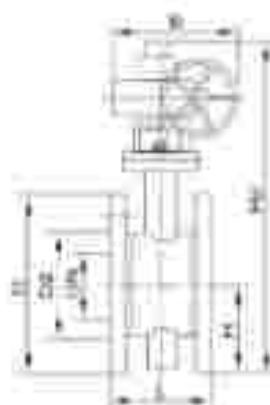
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DS-42X (J)



[0542X]



■ Make connection clear

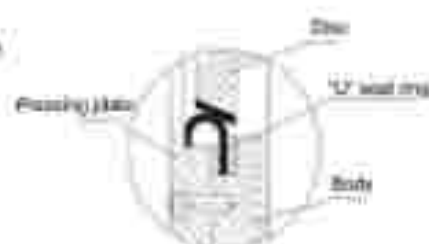
D345X	GR	50	65	80	100	115	130	150	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700	720	740	760	780	800	820	840	860	880	900	920	940	960	980	1000	1020	1040	1060	1080	1100	1120	1140	1160	1180	1200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
D345X	L	108	112	114	121	140	145	152	165	178	190	215	222	228	267	292	318	335	342	348	355	362	368	375	382	388	395	402	408	415	422	428	435	442	448	455	462	468	475	482	488	495	502	508	515	522	528	535	542	548	555	562	568	575	582	588	595	602	608	615	622	628	635	642	648	655	662	668	675	682	688	695	702	708	715	722	728	735	742	748	755	762	768	775	782	788	795	802	808	815	822	828	835	842	848	855	862	868	875	882	888	895	902	908	915	922	928	935	942	948	955	962	968	975	982	988	995	1002	1008	1015	1022	1028	1035	1042	1048	1055	1062	1068	1075	1082	1088	1095	1102	1108	1115	1122	1128	1135	1142	1148	1155	1162	1168	1175	1182	1188	1195	1202	1208	1215	1222	1228	1235	1242	1248	1255	1262	1268	1275	1282	1288	1295	1302	1308	1315	1322	1328	1335	1342	1348	1355	1362	1368	1375	1382	1388	1395	1402	1408	1415	1422	1428	1435	1442	1448	1455	1462	1468	1475	1482	1488	1495	1502	1508	1515	1522	1528	1535	1542	1548	1555	1562	1568	1575	1582	1588	1595	1602	1608	1615	1622	1628	1635	1642	1648	1655	1662	1668	1675	1682	1688	1695	1702	1708	1715	1722	1728	1735	1742	1748	1755	1762	1768	1775	1782	1788	1795	1802	1808	1815	1822	1828	1835	1842	1848	1855	1862	1868	1875	1882	1888	1895	1902	1908	1915	1922	1928	1935	1942	1948	1955	1962	1968	1975	1982	1988	1995	2002	2008	2015	2022	2028	2035	2042	2048	2055	2062	2068	2075	2082	2088	2095	2102	2108	2115	2122	2128	2135	2142	2148	2155	2162	2168	2175	2182	2188	2195	2202	2208	2215	2222	2228	2235	2242	2248	2255	2262	2268	2275	2282	2288	2295	2302	2308	2315	2322	2328	2335	2342	2348	2355	2362	2368	2375	2382	2388	2395	2402	2408	2415	2422	2428	2435	2442	2448	2455	2462	2468	2475	2482	2488	2495	2502	2508	2515	2522	2528	2535	2542	2548	2555	2562	2568	2575	2582	2588	2595	2602	2608	2615	2622	2628	2635	2642	2648	2655	2662	2668	2675	2682	2688	2695	2702	2708	2715	2722	2728	2735	2742	2748	2755	2762	2768	2775	2782	2788	2795	2802	2808	2815	2822	2828	2835	2842	2848	2855	2862	2868	2875	2882	2888	2895	2902	2908	2915	2922	2928	2935	2942	2948	2955	2962	2968	2975	2982	2988	2995	3002	3008	3015	3022	3028	3035	3042	3048	3055	3062	3068	3075	3082	3088	3095	3102	3108	3115	3122	3128	3135	3142	3148	3155	3162	3168	3175	3182	3188	3195	3202	3208	3215	3222	3228	3235	3242	3248	3255	3262	3268	3275	3282	3288	3295	3302	3308	3315	3322	3328	3335	3342	3348	3355	3362	3368	3375	3382	3388	3395	3402	3408	3415	3422	3428	3435	3442	3448	3455	3462	3468	3475	3482	3488	3495	3502	3508	3515	3522	3528	3535	3542	3548	3555	3562	3568	3575	3582	3588	3595	3602	3608	3615	3622	3628	3635	3642	3648	3655	3662	3668	3675	3682	3688	3695	3702	3708	3715	3722	3728	3735	3742	3748	3755	3762	3768	3775	3782	3788	3795	3802	3808	3815	3822	3828	3835	3842	3848	3855	3862	3868	3875	3882	3888	3895	3902	3908	3915	3922	3928	3935	3942	3948	3955	3962	3968	3975	3982	3988	3995	4002	4008	4015	4022	4028	4035	4042	4048	4055	4062	4068	4075	4082	4088	4095	4102	4108	4115	4122	4128	4135	4142	4148	4155	4162	4168	4175	4182	4188	4195	4202	4208	4215	4222	4228	4235	4242	4248	4255	4262	4268	4275	4282	4288	4295	4302	4308	4315	4322	4328	4335	4342	4348	4355	4362	4368	4375	4382	4388	4395	4402	4408	4415	4422	4428	4435	4442	4448	4455	4462	4468	4475	4482	4488	4495	4502	4508	4515	4522	4528	4535	4542	4548	4555	4562	4568	4575	4582	4588	4595	4602	4608	4615	4622	4628	4635	4642	4648	4655	4662	4668	4675	4682	4688	4695	4702	4708	4715	4722	4728	4735	4742	4748	4755	4762	4768	4775	4782	4788	4795	4802	4808	4815	4822	4828	4835	4842	4848	4855	4862	4868	4875	4882	4888	4895	4902	4908	4915	4922	4928	4935	4942	4948	4955	4962	4968	4975	4982	4988	4995	5002	5008	5015	5022	5028	5035	5042	5048	5055	5062	5068	5075	5082	5088	5095	5102	5108	5115	5122	5128	5135	5142	5148	5155	5162	5168	5175	5182	5188	5195	5202	5208	5215	5222	5228	5235	5242	5248	5255	5262	5268	5275	5282	5288	5295	5302	5308	5315	5322	5328	5335	5342	5348	5355	5362	5368	5375	5382	5388	5395	5402	5408	5415	5422	5428	5435	5442	5448	5455	5462	5468	5475	5482	5488	5495	5502	5508	5515	5522	5528	5535	5542	5548	5555	5562	5568	5575	5582	5588	5595	5602	5608	5615	5622	5628	5635	5642	5648	5655	5662	5668	5675	5682	5688	5695	5702	5708	5715	5722	5728	5735	5742	5748	5755	5762	5768	5775	5782	5788	5795	5802	5808	5815	5822	5828	5835	5842	5848	5855	5862	5868	5875	5882	5888	5895	5902	5908	5915	5922	5928	5935	5942	5948	5955	5962	5968	5975	5982	5988	5995	6002	6008	6015	6022	6028	6035	6042	6048	6055	6062	6068	6075	6082	6088	6095	6102	6108	6115	6122	6128	6135	6142	6148	6155	6162	6168	6175	6182	6188	6195	6202	6208	6215	6222	6228	6235	6242	6248	6255	6262	6268	6275	6282	6288	6295	6302	6308	6315	6322	6328	6335	6342	6348	6355	6362	6368	6375	6382	6388	6395	6402	6408	6415	6422	6428	6435	6442	6448	6455	6462	6468	6475	6482	6488	6495	6502	6508	6515	6522	6528	6535	6542	6548	6555	6562	6568	6575	6582	6588	6595	6602	6608	6615	6622	6628	6635	6642	6648	6655	6662	6668	6675	6682	6688	6695	6702	6708	6715	6722	6728	6735	6742	6748	6755	6762	6768	6775	6782	6788	6795	6802	6808	6815	6822	6828	6835	6842	6848	6855	6862	6868	6875	6882	6888	6895	6902	6908	6915	6922	6928	6935	6942	6948	6955	6962	6968	6975	6982	6988	6995	7002	7008	7015	7022	7028	703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Resilient Seat Metal Seal Butterfly Valve

Product Description

Resilient seat metal seal butterfly valve adopts "U" shaped stainless steel seal ring, this precision resilient seal ring is triple eccentric to the polished disc. Solved the traditional butterfly valve disadvantage that at the moment of valve opening and closing to 0-10°, the sealing surfaces are in the sliding friction contact with each other. To achieve that the disc separated from sealing surface at the moment of valve opening, and sealing when closing. To achieve the purpose of extending the service life and sealing performance. It is widely used in metallurgy, electricity, petroleum, chemical, air, gas, combustible gas, water supply and other corrosive medium. It is the best device to regulate and cut off the medium flow. Features as below:

1. Structure is simple and compact, light weight and easy to install and repair.
2. Adopts "U" seal ring, with a certain degree of flexibility in high and low temperature condition.
3. Triple eccentric design, "U" seal ring and disc almost have no abrasion, service life is long.
4. Sealing surfaces adopts Co based hard alloy, with good wear resistance, service life is long.
5. Resistant to high temperature, low temperature and corrosive.



"U" Metal Seal Butterfly Valve Sealing Structure

Product Model And Model Preparation Method



Parameters

Nominal Diameter	DN50-2000
Nominal Pressure	PN0.25MPa-2.5MPa
Design Standard	JB/T3095-1999
Flange Standard	GB, JB, ANSI, etc.
Face To Face	GB/T12221-2005
Pressure Test	GB/T12227-1992 JB/T3092-1999
Applicable Medium	Water, oil, gas, steam, acid, alkali, etc.

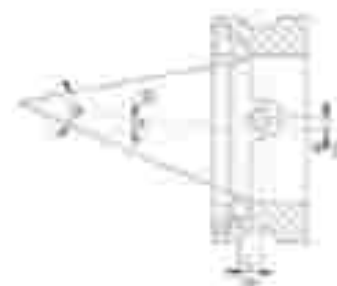
Main Material

Parts	Material
Body	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Disc	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Sealing	Rubber, PTFE
Stem	40Cr, 20Cr13 stainless steel
Acting	Fluorine plastic, Graphite asbestos rope

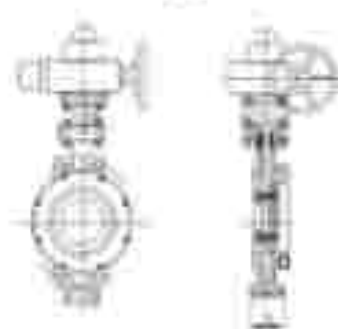
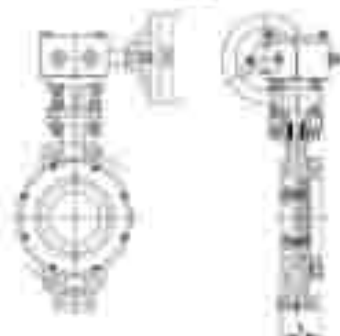
Triple Eccentric Features And Principle

1 Deviate from pipeline centre 2 Deviate from sealing surface centre 3 Inclined cone

When valve is opening, disc and valve seat contacted each other at moment of valve is closed. Because of eccentric 1, eccentric 2, disc can separate quickly from the valve seat, reduced abrasion of sealing surfaces, friction torque is small, easy to open. Because of eccentric cone 3, when the valve is opening or closing, disc can go through the valve seat inner channel, to achieve contact sealing. In addition, the rotation radius of the conical disc is bigger than the rotation radius of the sealing surfaces contacted position, so the disc will close more and more tight when valve is closing, to achieve self-locking, to prevent the disc from over position.

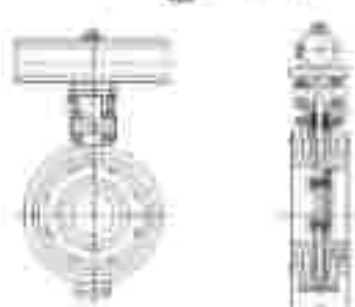
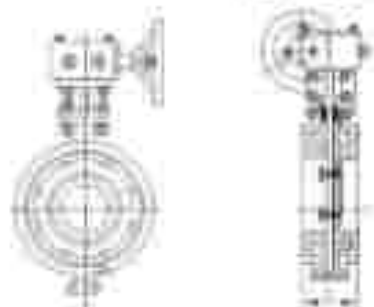


D1373N\ D1673N\ D1973N\ D1343N\ D1643N\ D1943N
Eccentric Resilient Metal Seal Water\ Flanged Butterfly Valve



■ **Main Connection Dimension**

D:0730H	QV	60	80	80	100	125	152	200	250	300	350	400	450	500	600	700	800	900	1000	1200
D:0730H																				
D:0730H	L	43	46	48	53	58	66	80	89	76	74	103	114	127	154	165	190	203	210	234



■ Main Connection Dimension

D:343K/J	25W	90	85	80	102	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	3200
D:8455/J																				
D:9455/J	L	108	112	114	127	140	140	152	165	178	190	218	225	225	257	290	318	330	410	470

Triple Eccentric Multi-layer Metal Seal Water\ Flanged Butterfly Valve

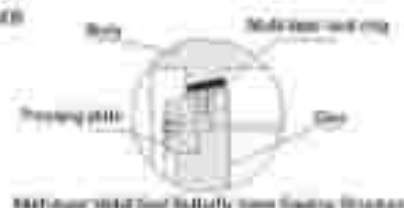
Product Description

Triple eccentric multi-layer metal seal butterfly valve is a long life, energy-saving butterfly valve. Its structure adopts three-dimensional eccentric principle design, the seal is hard and soft seal compatible multi-level structure, processing is superb, technology is progressive. This product consists of valve body, disc, multi-level valve seat, stem, transmission mechanism, etc. It is widely used in the metallurgical, electric, petroleum, chemical, air, gas, combustible gas, water supply and drainage, and other corrosive medium pipeline with temperature <500℃. It is the best device to adjust the flow and cut off the fluid.

This butterfly valve is designed with a three-dimensional eccentric principle, so that the sealing surface space motion trail achieves idealized. Sealing surface is without friction and interference between, coupled with the proper choice of sealing material, which ensures valve sealing, corrosion resistance, high temperature resistance and wear resistance, etc.

Its main features are as follows:

- 1 Open torque is small, flexible and convenient, energy saving.
- 2 Three-dimensional eccentric structure, so that the disc closes more and more tight; the sealing performance is reliable, no leakage.
- 3 High pressure resistance, corrosion resistance, wear resistance, with long service life.



Triple Eccentric Multi-layer Metal Seal Butterfly Valve Sealing Structure

Product Model And Model Preparation Method



Parameters

Nominal Diameter	DN50-2000
Nominal Pressure	PN0.25MPa-2.5MPa
Design Standard	JB/T309-1999
Flange Standard	GB, JB, ANSI, etc.
Face To Face	GB/T12221-2005
Pressure Test	GB/T12227-1992 JB/T3092-1999
Applicable Medium	Water, oil, gas, steam, etc.

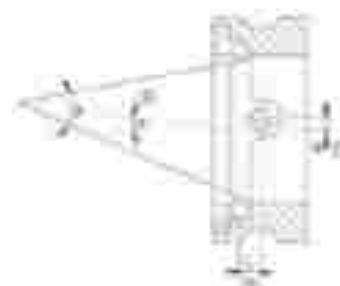
Main Material

Parts	Material
Body	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Disc	Gray cast iron, ductile iron, cast steel, alloy steel, stainless steel
Sealing	Rubber, PTFE
Stem	4Cr13, 2Cr13 stainless steel
Packing	Fluorine plastic, Graphite asbestos rope

Triple Eccentric Features And Principle

- 1 Deviate from pipeline centre
- 2 Deviate from sealing surface centre
- 3 Inclined disc

When valve is opening, disc and valve seat contacted each other at moment of valve is closed. Because of eccentric 1, eccentric 2, disc can separate quickly from the valve seat, reduced abrasion of sealing surfaces, friction torque is small, easy to open. Because of eccentric cone 3, when the valve is opening or closing, disc can go through the valve seat inner channel, to achieve contact sealing. In addition, the rotation radius of the control disc is bigger than the rotation radius of the sealing surfaces contacted position, so the disc will close more and more tight when valve is closing, to achieve self-locking, to prevent the disc from over position.

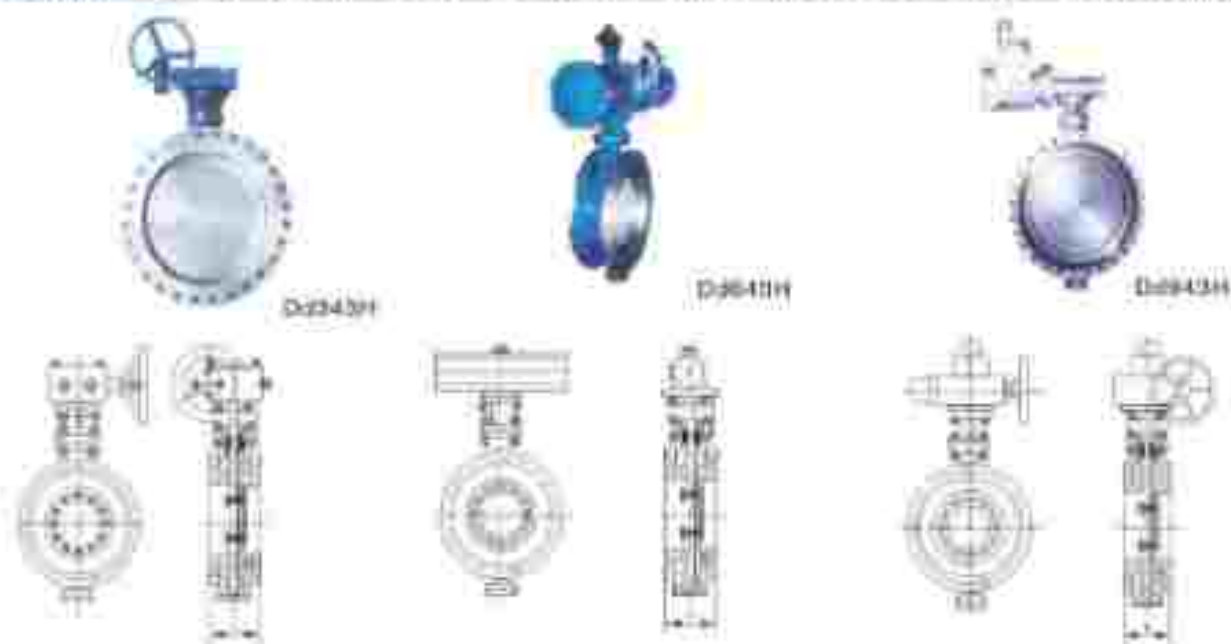


Dd373H\ Dd673H\ Dd973H\ Dd343H\ Dd643H\ Dd943H
Triple Eccentric Multi-layer Metal Seal Wafer \ Flanged Butterfly Valve



■ **Main Connection Dimension**

Dd373H Dd673H Dd973H	DN	40	45	50	60	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	42	45	46	50	55	58	60	66	78	86	78	102	114	127	154	163	180	200	218	254	

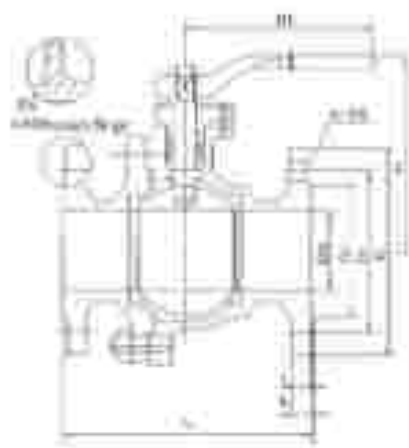


■ **Main Connection Dimension**

Dd343H Dd643H Dd943H	DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
	L	108	112	114	121	142	140	152	163	176	190	210	232	229	267	280	318	330	410	470

Q41F Manual\ Pneumatic\ Electric Ball Valve

Q41F series ball valve is forged with advanced technology, with rational construction and good appearance. Valve adopts elastic sealing structure, seal tightly and easy to open and close. Valve rod adopts lower-loading stem with backward sealing construction, when valve chamber pressure rises abnormally, valve rod will not been rushed out. Actuator: Manual/ Motorized/ Pneumatic. Q41F series ball valve is suitable for pipeline with PN 1.0-4.0MPa, temperature -29-150°C (seal ring is Reinforced PTFE) or -29-300°C (seal ring is PPL), to cut off or connect medium in pipeline. Different material ball valve can be suitable for water, steam, oil, nitric acid, acetic acid and so on.



Main Parameters

Design standard	GB/T12237-1998	API6D	ANSI B16.34
Face to face	GB/T12237-2005	API6D	ANSI B16.30
Flange	GB 9113	ANSI B16.5	B16.47
Test and inspect	GB/T12237-1998	API6D	API598

Main Material

Body	Ball Stem	Seal Ring	Packing	Suitable Medium	Suitable Temp
WC6	1Cr18Ni9Ti			Water, air / steam / oil	
20Cr1Ni4Mo	1Cr18Ni9Ti			Nitric acid and other corrosive fluid	
CF8004	304/316/304L	PTFE	PTFE		
CF8004L	304/316/304L	RPTE	Nertile	Oxidizing medium	-200°C
20Cr1Ni4Mo2Ti	1Cr18Ni9Ti	PPL	graphite	Acetic acid and other corrosive fluid	
CF8M214	304/316/304L				
CF8M216L	304/316/304L			Check and other common fluid	

Main Size

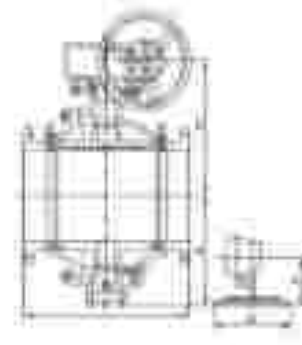
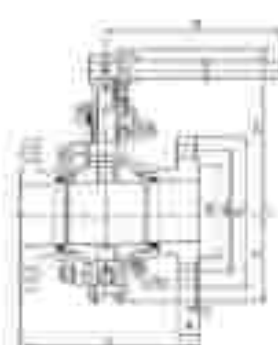
Q41F, Q641F, Q941F	DN	15	20	25	32	40	50	65	80	100	125	150	200
	L	130	140	150	165	180	200	220	240	260	300	340	400

Q47F\Q347F\Q647F\Q947F Series Manual, Pneumatic, Electric Ball Valve

Q47F\Q347F\Q647F\Q947F series ball valves are high performance ball valves, suitable for long pipeline or general industry pipeline, with advantage of high strength, safety, resistance to bad environment, suitable for corrosive and non-corrosive medium. Medium pressure will be transferred to bearing, will not push ball towards valve seat, and the valve seat will not bear high pressure, which makes fixed ball valve have the advantage of low torque, small valve seat deformation, tightly sealing and long service lifetime. Suitable for high pressure and large diameter working condition. Ball valve have two valve seats, can be well sealed bi-directionally, so there is no direction limit for installation, valve is bi-directional.

Ball valve has the structure of 2 pieces and 3 pieces, middle flanges are connected by bolts. Reinforced PTFE is set into stainless steel ring as valve seat, spring is set at the back of stainless steel ring to ensure valve seat stick ball tightly. Full bore designed: Valve fluid path diameter is the same to pipeline diameter. Easy for pipeline cleaning.

Available actuator: Manual, Worm gear, Motorized and Pneumatic. Suitable for pipeline with PN 1.0-4.0MPa, temperature -29-180°C (seat ring is Reinforced PTFE) or -29-300°C (seat ring is PPL), to cut off or connect medium in pipeline. Different material ball valve can be suitable for water, steam, oil, nitric acid, acetic acid and so on.



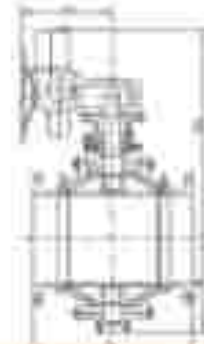
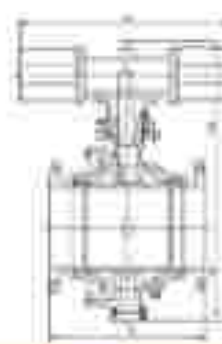
Main Technical Specification

Design Standard: GB/T12237-1998 API59D ANSI B16.34

Flange Structure and length: GB/T12221-2005 API59D ANSI B16.10

Flange Connection: ANSI B16.5/B16.10

Test: GB/T13927-1992 API59D API59B



Main Material

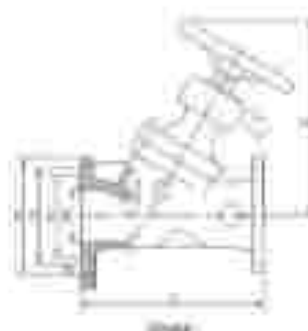
Valve Body	Gate And Valve Stem	Seat Ring	Flare Ring	Substrate Medium	Substrate Temp.
WCB	1Cr18Ni9Ti			Water, air, steam, oil	
1Cr18Ni9Ti	1Cr18Ni9Ti			Nitric acid and other corrosive fluid	
CF8(CS4)	0Cr18Ni9(CS4)			Nitric acid and other corrosive fluid	
CF8(CS4L)	00Cr18Ni11(CS4L)	PTFE/ PPL	PTFE/ flexible graphite	Oxidizing medium	no more than 200 °C
1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti			Acetic acid and other corrosive fluid	
CF8(CS4)	0Cr17Ni12Mo2(CS4)			Acetic acid and other corrosive fluid	
CF8(CS4L)	00Cr17Ni12Mo2(CS4L)			Acetic acid and other corrosive fluid	

Main Size

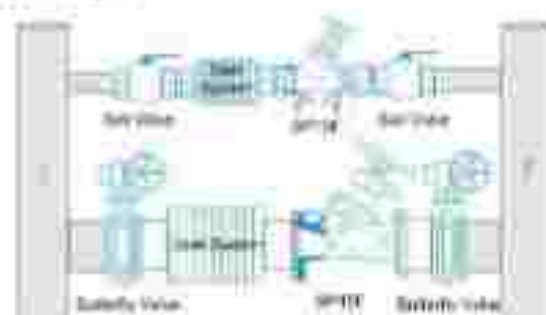
Q47F Q347F Q647F	DN	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
	L	185	190	190	215	241	253	305	381	403	503	568	648	762	838	914	991	1143	1346

SP15F/ SP45F Digital Locking Balancing Valve

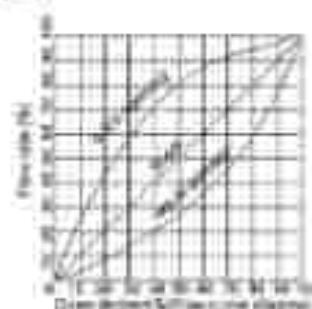
SP15F, SP45F digital locking balance valve is a regulating valve with a special function of digital locking, adopts straight flow valve body structure, with a better equal percent flow characteristics, can reasonably distribute flow, effectively solve the heating (air conditioning) system problem of uneven heat and cold. At the same time can accurately adjust the pressure drop and flow, used to improve the liquid flow state in pipe network system, to the sub-network liquid balance and energy conservation purposes. Valve is equipped with open degree indicator, opening lock device and small pressure valve for flow measurement, thus overcome the unreasonable phenomenon of large flow, small temperature difference. This product is the ideal product in the heating system. SP45F balance valve can be installed in the water supply pipe, and can also be installed in the return pipe. Normally we recommend the installation in the return pipe, especially for high-temperature loop, in order to facilitate debugging, installation in return pipe pipes is recommended. Water supply (return) pipes with balancing valve do not need globe valve any more.



■ Installation



■ Flow Diagram



■ Parameters

Rated pressure	1.0/1.6 MPa
Applicable temp.	5-80°C
Applicable medium	Water, oil and other non-corrosive medium
Test standard	GB/T 13027-1992

■ Main Material

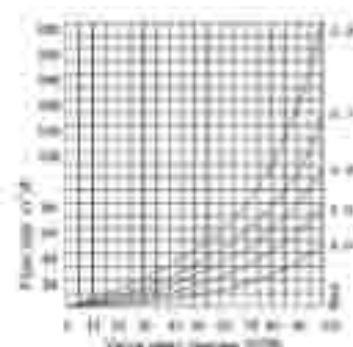
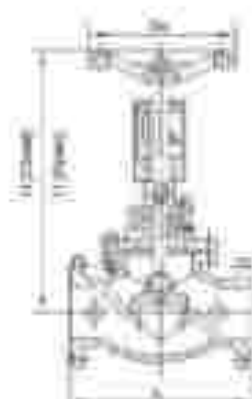
Part Name	Body: Bonnet, Stem	Stem
Material	Only cast iron, Ductile iron Cast steel	Carbon steel 45F Stainless steel

■ Main Connection Dimension

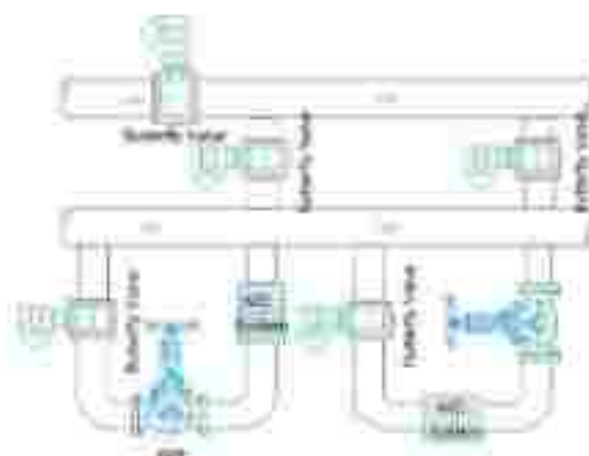
	DN 25	40	50	65	80	100	125	150	200	250	300	350	
SP45F	L	180	200	210	230	310	330	400	460	550	620	680	SP15F
	H	250	240	250	260	320	340	420	490	570	620	670	
	DN 15	25	32	40	50	65	80	100	125	150	200	250	
	L	100	110	120	130	160	170	200	230	260	300	330	
	H	120	130	140	150	180	190	220	250	280	320	350	

KPF Balancing Valve

KPF balancing valve is a regulating valve with special function, with good flow characteristic, can reasonably distribute flow, to achieve quantitative flow, effectively solved the heating(air conditioning) system problem of uneven heat and cold. As this valve don't have open degree indicator, open degree locking device and pressure valve for flow measurement, so need to install suitable balancing valve at circuit branch and user entrance, and use instrument to adjust and lock, and to control the system water volume in a reasonable range, thus it overcomes the unreasonable phenomenon of large flow, small temperature difference. This product is a ideal product in heating system.



■ Installation



■ Parameters

Normal pressure	1.015 MPa
Applicable temp	0-50°C
Applicable medium	Water, oil and other non-corrosive medium
Test standard	GB/T 13022-1992

■ Main Material

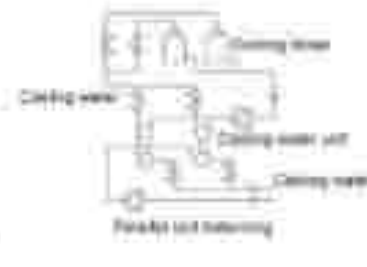
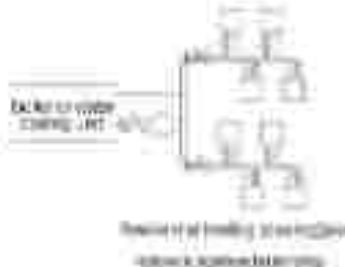
Body/Flange/Dis. Porting piece	Stainless Steel (316)	Stainless Steel	Packing
Operating pin, Shuttle pin	Carbon steel	Carbon steel	Flexible graphite
Cast iron	Carbon steel	Carbon steel	

■ Main Connection Dimension

	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600
KPF	L	130	150	160	180	200	220	230	240	260	300	400	480	620	680	780	910	970	1235
	H	150	160	170	180	200	210	220	230	240	260	300	400	480	620	680	780	910	1235
	H1	150	170	180	200	210	220	230	240	260	300	400	480	620	680	780	910	970	1235
	DN	30	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	1000

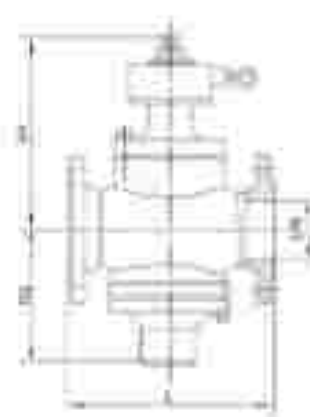
■ Balancing Valve Installation Announcements

Balancing valve can be installed in the water supply pipe, and also in the return pipe. Normally we recommend to install in the return pipe, especially for high-temperature loop, in order to facilitate debugging, installation in return pipe pipes is the best choice. Water supply(return) pipes with balancing valve do not need globe valve any more.



ZL47F Self Operated Balancing Valve

ZL47F self operated differential pressure control valve, is a valve which uses medium self pressure change to achieve self controlling. ZL47F self operated differential pressure control valve has flow indicator, can be adjusted online, suitable for flow control of heating and air conditioning systems and other non-corrosive medium. The pre-operational test can make sure that the system flow automatically constant at a preset value. The valve flow adjustment is accurate, simple operation, smooth operation, reliable performance, long service life.



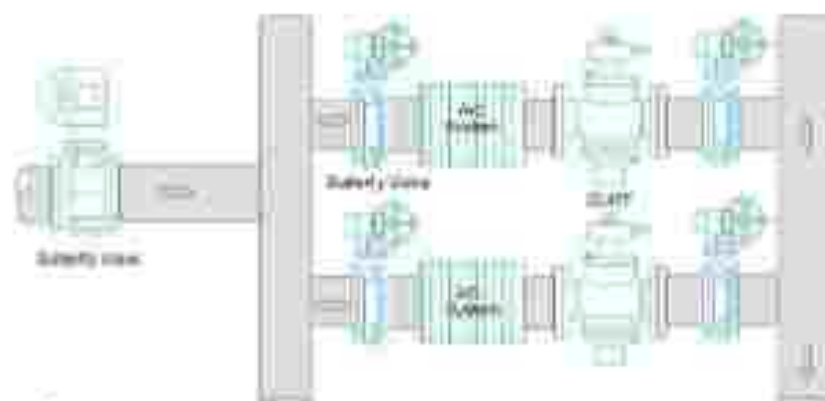
Parameters

Rated pressure	1.0/1.6 MPa
Applicable temp.	0-50℃
Applicable medium	Water, oil and other non-corrosive medium
Test standard	GB/T 13027-1992

Main Material

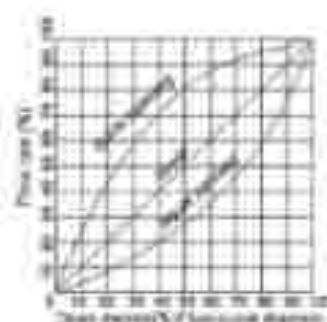
Body, Bonnet	Stem	Disc	Diaphragm
Grey cast iron, cast steel Ductile iron	Stainless steel Carbon steel A54	Cast copper	NBR

Installation



Main Connection Dimension

ZL47F	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400
	L	110	110	115	140	200	215	230	215	260	315	350	430	520	635	870	900
	H1	122	122	127	132	151	157	205	259	268	337	357	407	450	480	534	534
	H2	70	70	74	81	147	147	154	161	211	227	240	275	307	400	543	561



ZYC Self Operated Differential Pressure Control Valve

ZYC self operated differential pressure control valve, is a valve which uses medium self pressure change to achieve self controlling, so as to keep medium pressure which goes through the controlled system not change. Applicable to the differential pressure controlling of double pipe system heating. To ensure that the system pressure is basically the same, reduce noise, balance resistance, eliminate hot and hydraulic disorders.



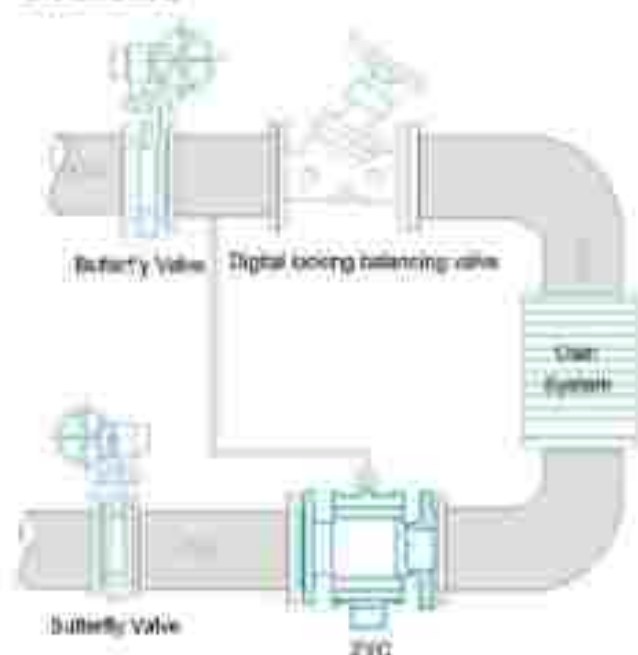
Parameters

Normal pressure	1.0~5 MPa
Applicable temp	0-120℃
Applicable medium	Water, oil and other non-corrosive medium
Pressure differential control range	Control pressure differential range: 100Pa, 200Pa, 300Pa
Test standard	GB/T 13927-1992

Main Material

Body Material	Gasket	Disc	Seal Ring
Cast iron, cast steel, ductile iron	Stainless steel, Carbon steel, etc.	Cast Copper	EPDM

Installation



Main Connection Dimension

ZYC	DN	15	20	25	32	40	50	65	80	100	125
	End Connection:	Thread					Flange				
	L	110	110	115	120	130	145	175	210	240	270
	H	110	110	100	140	150	200	240	300	330	360
Total max width		0.2~1	0.2~1.5	0.5~2	1~4	1.5~6	2~8	2~12	3~20	10~30	15~45

2PC 2000W00 Ball Valve With Lock Device

■ Features

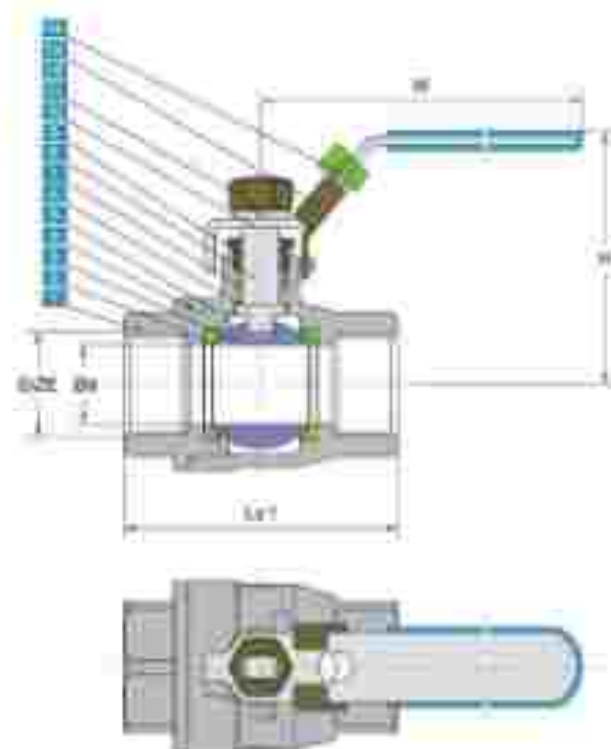
Blow-out Proof Stem
Pressure Balance Hole in Ball Slot
Various Thread Standards Available
Lock device

■ Standard

Design: ASME B16.34
Wall Thickness: ASME B16.34
Pipe Thread: ASME B1.20.1, BS21
DN 2000/050, ISO 220/3
AS B 1000/DO 7/1
Inspection & Testing: MSS SP-31/EN 12266

■ Material

Part	Part Name	CF8M	CF8	WC8
1	Cap	CF8M	CF8	WC8
2	Seat	PTFE	RPTE	PTL
3	Ball	CF8M	CF8	
4	Body Gasket		PTFE	
5	Body	CF8M	CF8	WC8
6	Thrust Washer		PTFE	
7	Stem Packing	PTFE	RPTE	
8	Stem	SUS316	SUS304	
9	Packing gland		SUS304	
10	Handle		SUS304	
11	Spring Washer		SUS304	
12	Stem Nut		A193-B8	
13	Locking Device		SUS304	
14	Handle Cover		PL57LC	



Unit:mm

DN	1/4"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
W	58	65	73	86	100	113	134	155	180	230
H	105	115	120	125	132	138	148	165	178	198
L	58	62.5	67	80.5	85.5	100	110	135	140	165
LxT	110	120	135	160	160	180	180	200	240	320

NPT, MPT, BSPT,
BSP, DIN, etc.

ANSI Y Strainer

Primarily used for steam, air, water, oil and other media, protect pipelines equipments, pumps, valves and so on, avoid congestion and damage caused by pipeline rust, welding slag and other impurities.

- 1 Strong anti-fouling performance, easy storage, large oscillation area, small pressure loss, simple structure, small size, light weight.
- 2 Filter screen materials are stainless steel, such as 304, 316, with corrosion resistance, long service life and so on.
- 3 Filter screen can be 10 to 20 mesh, or customized according to user requirements.



■ Specification

Design and manufacture standard: ASME B16.1
Face to face standard: ASME B16.10
Flange end standard: ANSI B16.5
Test and inspect standard: API 598

■ Material

SN	Name	Material
1	Body	WCB/LCB/WCC/CF8/CF8M
2	Screen	SS304/SS316
3	Nutnut	WCB/LCB/WCC/CF8/CF8M
4	Bolt	A193B7/A193
5	Nut	316/316L
6	Gasket	Flexible graphite + SS304
7	Plug screw	A5-304/316

Size

Class 150

inch	mm	d	O	D1	D2	b	W-E	L	H
2"	50	51	152	120.7	92	16	4-10	203	205
2 1/2"	65	64	178	139.7	105	18	4-10	216	230
3"	80	76	190	152.4	127	18	4-10	241	255
4"	100	102	229	180.5	157	24	8-10	292	309
5"	125	127	254	215.9	180	24	8-20	388	350
6"	150	152	279	241.3	210	26	8-20	400	390
8"	200	203	343	288.3	270	28	8-22	490	450
10"	250	254	406	362.0	324	31	12-26	622	580
12"	300	305	483	431.8	381	32	12-28	690	640
14"	350	337	552	476.3	413	35	12-28	767	720
16"	400	387	587	535.6	470	37	16-28	914	900
18"	450	438	625	577.9	533	40	16-32	970	1100
20"	500	483	688	635.0	584	43	20-32	970	1025
24"	600	590	813	749.3	682	48	20-36	1295	1335

Class 300

inch	mm	d	O	D1	D2	b	W-E	L	H
2"	50	51	165	125.7	92	23	8-10	267	235
2 1/2"	65	64	190	148.3	105	26	8-20	292	250
3"	80	76	210	168.3	127	29	8-20	318	269
4"	100	102	254	208.0	157	32	8-20	388	320
6"	150	152	279	235.0	180	36	8-20	400	365
8"	200	203	381	239.2	270	42	12-26	550	480
10"	250	254	445	367.4	324	48	16-28	620	600
12"	300	305	521	455.8	381	51	16-32	711	700
14"	350	337	584	514.4	413	54	20-32	838	770
16"	400	387	648	571.3	470	58	20-35	964	915
18"	450	438	711	625.6	533	61	24-35	970	1150
20"	500	483	775	685.8	604	64	24-35	1010	1250
24"	600	594	914	812.8	682	70	24-41	1340	1335

STAF Static Balancing Valve

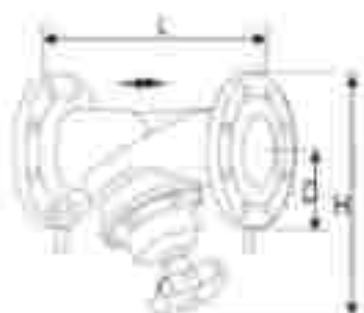


Application:

STAF series static balancing valves are used to compare the hydraulic balance between the branch circuits in a system. The measurement channel changes the flow measurement accuracy and helps the commissioning engineer to reduce the operation difficulty when accomplishing system balance. The Fine ductile iron body and soft seal design to ensure the STAF valve long life and tight closing function.

Parameters:

Scene of application	Heating and cooling systems, domestic water system and cooling tower circulating water system
Valve body	Maximum working pressure: 25Bar, rated pressure
Valve core	Ductile iron EN-GJ-400-15, connection
Pressure test port	Copper alloy, valve stem: copper alloy
Flow mode	Brass with EPDM seal
Working temperature	±5% (50%-100% open degree)
Seal	-20°C~120°C
Handwheel	When you need higher temperatures, please do it. When the temperature is higher than 120 °C, please break the hand wheel
Valve seal seal	PTFE/ two side O-ring
Digital handwheel	Polyamide material DN50-400 : valve bonnet is ductile iron, valve core is silicon brass: CuZn15Si4-C
Surface treatment	Valve core with EPDM ring, bonnet buffer: chrome-DN50-DN400 valve with red polyamide plastic
Manufacting interface	Two enamel coating conforms to the standard ISO6753, 1 series, BS0060, EN555-1, 1 series
Measuring interface	Self seal type measuring interface, move the cap and insert the feeler pin to measure



→ -flow direction

Installation position



Main size

Model	DN	D	L	H
STAF045	45	130	180	228
STAF063	63	160	203	268
STAF085	85	185	216	288
STAF093	93	200	250	324
STAF105	105	220	262	344
STAF125	125	255	300	412
STAF163	163	288	364	477
STAF200	200	340	468	613
STAF250	250	405	602	740
STAF300	300	460	698	828
STAF350	350	520	787	930

Correction factor:

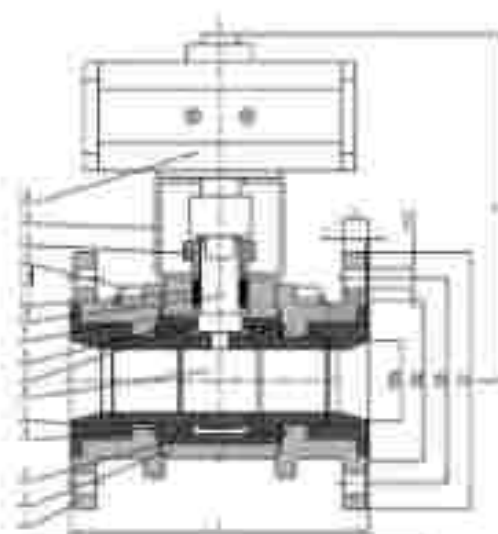
For a case where the water temperature is not equal to 20 °C,
Can only use the balance meter (CB),
The number of measurements can be corrected as follows:
CB shows the flow reading divided by water
The square root of the density (ρ / ρ_0)
 $Q_{actual} = Q_{CB} \sqrt{\rho / \rho_0}$

Ceramic Lined Ball Valve

This valve is suitable for pipeline of high hardness granular medium, or soft particle corrosive medium with the function of opening or closing. Nominal pressure: 1.6MPa, applicable temperature: ≤ 200 °C, air source pressure: 0.6-0.8MPa.

The part which contacts with medium adopts structural ceramic material. Its chemical stability and hardness is very high (Rockwell hardness HRC60), second only to the diamond. So the valve has a very high wear resistance, corrosion resistance, erosion resistance, and good heat insulation, small thermal expansion.

Ball is produced with advanced grinding equipment and manufacturing process, which has high precise roundness, good surface quality, and after facing up to the valve seat, because of ZrO₂ ceramic self-lubricating feature, it has a good sealing performance. Good wear resistance of the valve ensures that the valve is durable, with high reliability, long service life. The service life of this valve is 2-4 times of titanium alloy valve and Monel valve.



Main material

S.N.	Name	Material	S.N.	Name	Material
1	bonnet	WCB	9	flange	20/12
2	valve body	WCB	10	stem	35
3	valve body flange	Engineering ceramic	11	packing	PTFE
4	seat	Engineering ceramic	12	nut	20
5	Flange valve	Engineering ceramic	13	Equal length stud	WCB
6	Ball	Engineering ceramic	14	Pinning gland	Q235
7	O-ring	Fluorine rubber	15	Bracket	
8	Spring	Chromium	16	Cylinder	

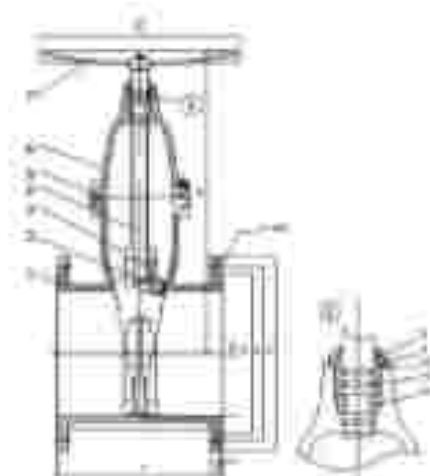
Specification

Design and manufacture	GB/T 12224
Face to face	GB/T 12221
Flange dimension	GB/T 9113
Inspection and test	GB/T 9092
Material (Carbon steel)	GB/T 12229
Material (Stainless steel)	GB/T 12230
Mark	GB/T 12220
Supply	GB/T 12232

Dimension

DN	L	D	D1	D2	C	I	H	n-d
15	130	95	85	48	14	2	120	4-φ14
20	130	105	75	58	18	2	175	4-φ13
25	140	115	85	65	10	2	185	4-φ14
32	165	140	100	75	18	2	215	4-φ18
40	180	150	110	84	18	2	230	4-φ18
50	203	165	125	99	20	2	248	4-φ18
65	222	185	145	118	20	3	265	4-φ18
80	241	200	160	130	20	2	300	8-φ18
100	305	225	180	136	22	2	355	8-φ18
125	366	250	210	164	22	2	420	8-φ18
150	394	285	240	211	24	2	495	8-φ22
200	457	340	290	268	24	2	570	8-φ22
250	533	385	350	318	28	2	660	12-φ22

DN3352-F4 Non-rising Stem Resilient Gate Valve



Soft seal gate valve is a replacement products for traditional gate valve. It uses resilient seat to produce a small amount deformation compensation to achieve a good sealing effect. It has the advantages of integral encapsulation, corrosion resistance, not easy breakage, good elasticity memory and long service life. It is widely used in tap water, sewage, construction, food, electricity, medicine, metallurgy, textile, energy systems and other fluid pipelines as a regulator and shut-off device.

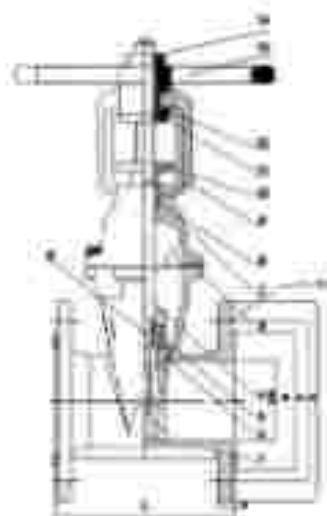
Material

S.N	Name	Material
1	Body	GGG50
2	Disc	GGG50-EPDM/NBR
3	Stem nut	Brass(HPB59-1)
4	Stem	20-13
5	Gasket	EPDM
6	Bonnet	GGG50
7	Handwheel	GGG50
8	Dust ring	EPDM
9	Nut	Brass(HPB59-1)
10	Seal ring	PTFE
11	O-ring	EPDM
12	Position ring	Brass(HPB59-1)

Main connection size

DN	L	D		K		G		A	B	C	N-pd		H
		PN10	PN16	PN10	PN16	PN10	PN16				PN10	PN16	
40	140	150	150	110	110	88	88	3	19	180	4-φ19	4-φ19	240
50	150	165	165	125	125	102	102	3	19	180	4-φ19	4-φ19	250
65	170	185	185	145	145	122	122	3	19	180	4-φ19	4-φ19	280
80	180	200	200	160	160	138	138	3	19	200	8-φ19	8-φ19	330
100	190	220	220	180	180	158	158	3	19	200	8-φ19	8-φ19	361
125	200	250	250	210	210	188	188	3	19	250	8-φ19	8-φ19	415
150	210	265	285	240	240	212	212	3	19	250	8-φ23	8-φ23	480
200	230	340	340	295	295	268	268	3	20	280	8-φ23	12-φ23	572
250	250	395	405	335	355	320	320	3	22	320	12-φ23	12-φ28	658
300	270	445	460	410	410	375	379	4	25	350	12-φ23	12-φ28	758
350	290	505	520	470	470	438	438	4	27	450	16-φ23	16-φ28	800
400	310	565	580	515	525	480	490	4	28	550	16-φ27	16-φ31	900
500	350	670	715	620	650	595	610	4	32	650	20-φ27	20-φ34	1100
600	380	780	840	725	770	690	727	4	36	860	20-φ31	20-φ37	1240

DIN3352-F4 Rising Stem Resilient Gate Valve



Soft seal gate valve is a replacement products for traditional gate valve. It uses resilient disc to produce a small amount deformation compensation to achieve a good sealing effect. It has the advantages of integral encapsulation, corrosion resistance, not easy breakage, good elasticity memory and long service life. It is widely used in tap water, sewage, construction, food, electricity, medicine, metallurgy, textile, energy systems and other fluid pipelines as a regulator and on/off device.

Material

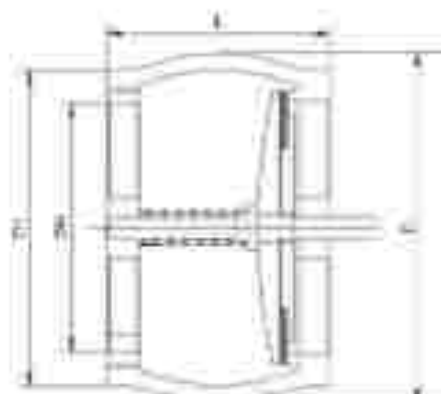
S.N	Name	Material
1	Body	GGG50
2	Disc	GGG50-EPDM/nBR
3	Stem nut	Steel(HPB235-1)
4	Stem	20Cr
5	Gasket	EPDM
6	Pin	Stainless steel
7	Bonnet	GGG50
8	Packing	Graphite
9	Yoke	GGG50
10	Foundry weight	GGG50
11	Nut	Steel(HPB235-1)
12	Thrust bearing	Carbon steel
13	Handwheel	GGG50
14	Cap	40Cr

Main connection size

DN	L	D		x		G		A	B	C	N-pd	
		PN10	PN16	PN10	PN16	PN10	PN16				PN10	PN16
40	140	150	150	110	110	88	88	3	19	190	4-φ19	4-φ19
50	150	165	165	125	125	102	102	3	19	180	4-φ19	4-φ19
65	170	185	185	145	145	122	122	3	19	180	4-φ19	4-φ19
80	180	200	200	160	160	138	138	3	19	200	8-φ19	8-φ19
100	190	220	220	180	180	158	158	3	19	200	8-φ19	8-φ19
125	200	250	250	210	210	188	188	3	19	250	8-φ19	8-φ19
150	210	285	285	240	240	212	212	3	19	250	8-φ23	8-φ23
200	236	340	340	286	285	268	268	3	20	280	8-φ23	12-φ23
250	250	385	405	335	355	320	320	3	22	300	12-φ23	12-φ28
300	270	445	460	400	410	370	370	4	25	350	12-φ23	12-φ28
400	310	565	580	515	525	482	480	4	28	550	16-φ27	16-φ31

H7TX Life Check Valve

H7TX series check valve uses pipeline internal pressure changes, it is a internal pressure self-driven check valve. The valve disc automatically move, opening and closing is flexible, free movement, good sealing performance, small size structure, light weight, easy disassembly, low noise, vertical and horizontal installation are applicable. The wafer lift check valve can be installed in the pump outlet pipe, mainly used to prevent the pipeline pressurized water back flow when pump stopped, to ensure pump safety.



■ Main material

Part name	Disc, Bonnet, Gasket	Valve Body	Internal Parts	Sealing
Material	Cast iron (Ductile iron)	HT200	HT200	Ductile iron

■ Parameters

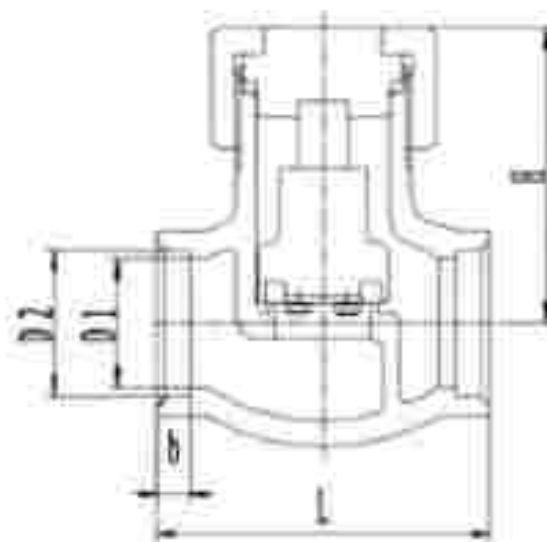
Nominal pressure	Flow capacity		Driving torque	Maximum temperature	Application media
	Weight	Flow			
1.6MPa	1.4kg	1.7m³/h	1.6MPa	80°C	Water

■ Main Connection Dimension

DN (mm)	L	D	D1
40	62	105	65
50	67	127	105
65	73	139	120
80	80	152	135
100	102	172	155
125	120	225	185
150	140	232	210
200	165	286	265
250	210	350	320
300	260	430	

KDH617-40P Cryogenic Lift Check Valve

This type cryogenic lift check valves are mainly used for cryogenic storage tanks, tank cars to prevent medium backflow, widely used in LO₂, LN₂, LAr and other low temperature medium, with feature of reliable sealing.



■ Main Parameters

Nominal pressure: 4.0MPa
 Nominal diameter: 10mm-40mm
 Applicable medium: LO₂, LN₂, LAr, LNG, C₂H₄, etc.
 Applicable temperature: -196 ~ +80℃
 End connection: Socket weld
 Medium direction: down to up

■ Main Material List

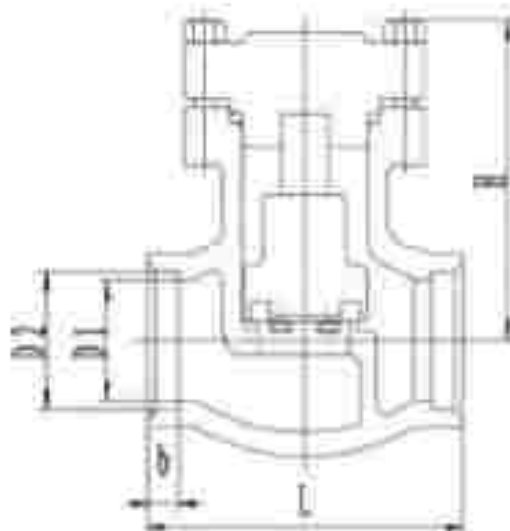
Body, bonnet, disc, stem: stainless steel
 Packing: PTFE
 Disc sealing surface: PTFE or PCTFE

■ Connection Dimension

Code	DN	D1	D2	D2(Y)	L	H	b	Weight KG
			Metric system	British system				
F328DH10	10	12	14.5	18	60	50	5	0.66
F328DH15	15	16	18.5	22	60	50	5	0.66
F328DH20	20	24	25.5	27.5	80	60	6	0.88
F328DH25	25	26	28.5/32.5	34.5	80	60	6	0.96
F328DH32	32	36	38.5	43.5	100	70	8	2.12
F328DH40	40	42	45.5	49.5	100	70	8	2.38

F328 IF-40P Cryogenic Lift Check Valve

This type cryogenic lift check valves are mainly used for cryogenic storage tanks, tank cars to prevent medium backflow, widely used in LO₂, LN₂, LAr and other low temperature medium, with feature of reliable sealing.



Main Parameters

Nominal pressure: 4.0MPa
 Nominal diameter: 50-200mm
 Applicable medium: LO₂, LN₂, LAr, LNG, C₂H₄, etc.
 Applicable temperature: -196 ~ +80℃
 End connection: Socket weld
 Medium direction: down to up

Main Material List

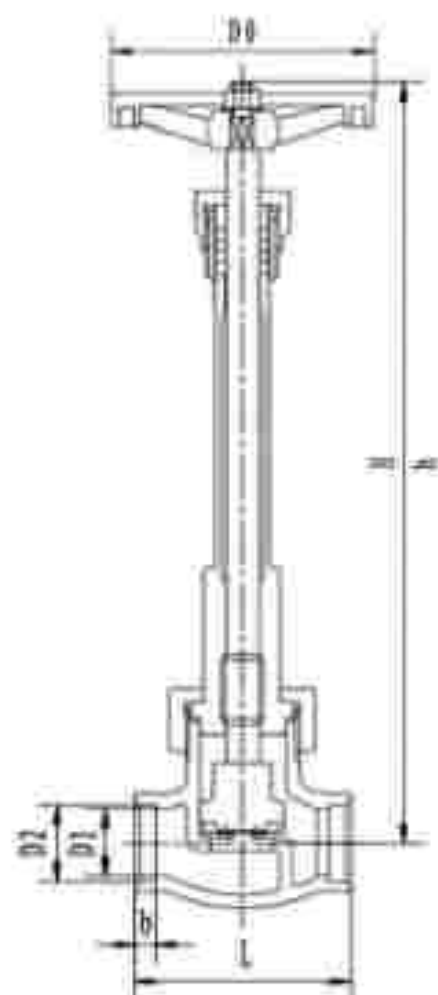
Body, bonnet, disc, stem: stainless steel
 Packing: PTFE
 Disc sealing surface: PTFE or PCTFE

Connection Dimension

Code	DN	D1	D2	L	H	b	Weight KG
F328DH50	50	50	57.5	125	110	10	5.8
F328DH65	65	65	70.5	150	115	10	9.3
F328DH80	80	80	89.5	180	155	15	17.6
F328DH100	100	100	108.5	200	165	15	20.2
F328DH125	125	125	133.5	280	185	15	33.9
F328DH150	150	150	159.5	300	190	20	42.3
F328DH200	200	200	219.5	400	255	20	58.6

KD161F-40P Long Stem Cryogenic Globe Valve

This type of special cryogenic long stem globe valve is mainly used for cryogenic medium and cryogenic piping systems, with features of a flexible opening and closing, reliable sealing.



■ Main Parameters

Nominal pressure: 4.0MPa

Nominal diameter: 10mm-40mm

Applicable medium: LO₂, LN₂, LAr, LNG, C₂H₄, etc.

Applicable temperature: -196 ~ +80℃

End connection: Socket weld

Medium direction: down to up

■ Main Material List

Body, bonnet, disc, stem: stainless steel

Packing: PTFE

Disc sealing surface: PTFE or PCTFE

■ Connection Dimension

Code	DN	H	h	L	D0	D1	D2		b	Weight KG
							Metric system	British system		
F32BD010	10	205	275	60	75	12	14.5	10	5	1.2
F32BD015	15	205	275	80	75	15	18.5	22	5	1.8
F32BD020	20	305	292	80	100	24	25.5	27.5	6	2.4
F32BD025	25	305	292	80	100	28	28.5/32.5	34.5	6	2.8
F32BD032	32	352	334	110	120	38	38.5	43.5	8	3.5
F32BD040	40	352	334	120	120	42	45.5	46.5	9	4.4

KD161F-40P Long Stem Cryogenic Globe Valve

This type of special cryogenic long stem globe valve is mainly used for cryogenic medium and cryogenic piping systems, with features of a flexible opening and closing, reliable sealing.

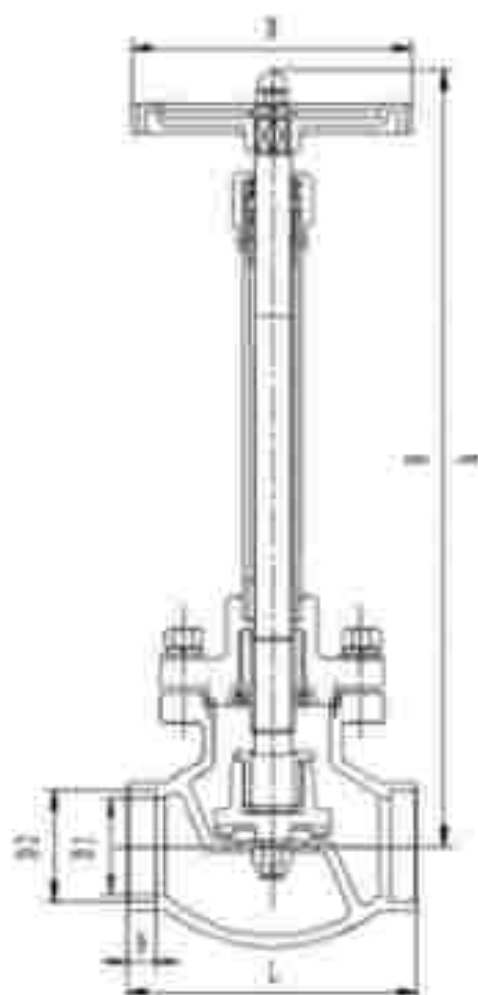


■ Main Parameters

Nominal pressure: 4.0MPa
 Nominal diameter: 50-100mm
 Applicable medium: LO₂, LN₂, LAr, LNG, C₂H₄, etc.
 Applicable temperature: -196 ~ +80℃
 End connection: Socket weld
 Medium direction: down to up

■ Main Material List

Body, bonnet, disc, stem: stainless steel
 Packing: PTFE
 Disc sealing surface: PTFE or PCTFE

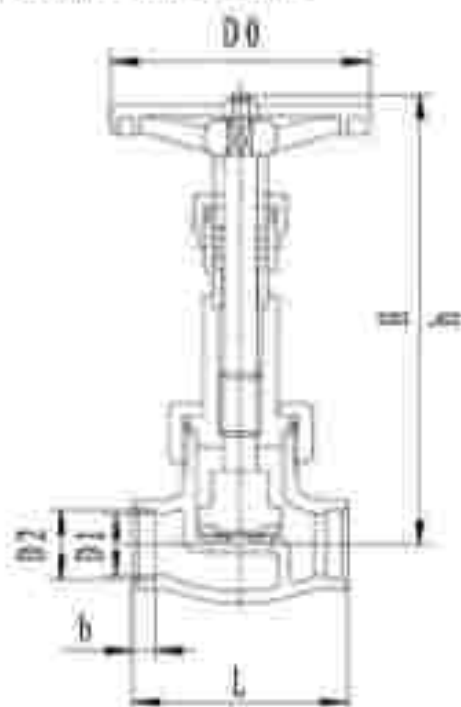


■ Connection Dimension

Code	DN	H	K	L	D	D1	D2	b	Weight KG
F328DJ50	50	420	400	126	140	50	67.5	10	9.6
F328DJ65	65	425	400	150	140	56	70.5	10	13.4
F328DJ80	80	523	458	180	220	80	89.5	15	20.8
F328DJ100	100	530	462	200	220	100	108.5	15	25.64

KB161F-40P Cryogenic Globe Valve

This type of cryogenic short stem globe valve is mainly used for natural gas pipeline systems and other low temperature medium, with features of a flexible opening and closing, reliable sealing.



■ Main Parameters

Nominal pressure: 4.0MPa
Nominal diameter: 10mm-40mm
Applicable medium: O₂, N₂, Ar, NG, C₂H₄, etc.
Applicable temperature: -80 ~ +80℃
End connection: Socket weld
Medium direction: down to up

■ Main Material List

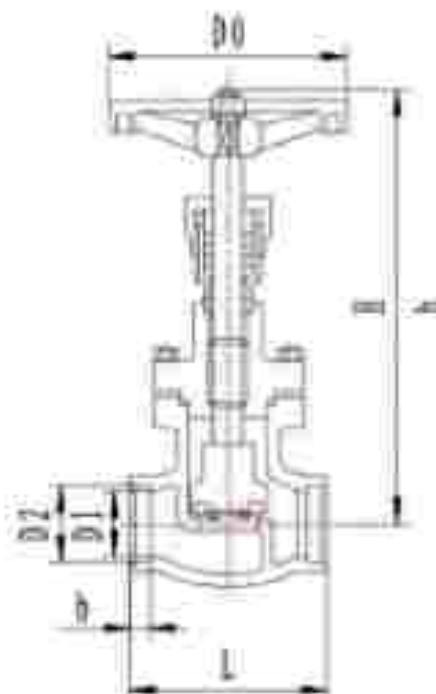
Body, bonnet, disc, stem: stainless steel
Packing: PTFE
Disc sealing surface: PTFE or PCTFE

■ Connection Dimension

Code	DN	H	h	L	D0	D1	D2		b	Weight KG
							Metric system	British system		
F328110	10	155	145	70	75	12	14.5	38	8	1.95
F328125	15	155	145	70	75	15	19.5	32	8	2.05
F328130	20	185	175	90	100	24	25.5	27.5	8	3.5
F328125	25	185	175	90	100	26	32.5	34.5	8	3.7
F328132	32	215	200	110	120	36	38.5	43.5	8	4.7
F328140	40	215	200	110	120	42	45.5	48.5	8	4.95

KD161F-40P Cryogenic Globe Valve

This type of cryogenic short stem globe valve is mainly used for natural gas pipeline systems and other low temperature medium, with features of a flexible opening and closing, reliable sealing.



■ Main Parameters

Nominal pressure: 4.0MPa
 Nominal diameter: 50-100mm
 Applicable medium: O₂, N₂, Ar, NG, C₂H₄, etc.
 Applicable temperature: -80 ~ +80℃
 End connection: Socket weld
 Medium direction: down to up

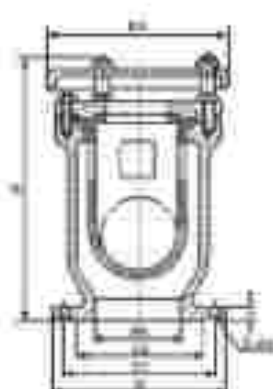
■ Main Material List

Body, bonnet, disc, stem: stainless steel
 Packing: PTFE
 Disc sealing surface: PTFE or PCTFE

■ Connection Dimension

Code	DN	H	b	L	D0	D1	D2	b	Weight KG
F328J60	60	270	255	140	160	60	67.5	10	6.7
F328J65	65	270	255	170	200	65	70.5	15	9.5
F328J80	80	360	320	200	200	80	89.5	15	18.8
F328J100	100	360	320	220	240	100	108.5	15	24.2

PAIX Automatic Air Valve/ Exhaust Valve



Working principle

When pipeline is in working condition, float ball stays at the bottom of ball bowl, the valve is taking a large number of exhausting. When the air in pipeline is fully exhausted, water rushed into the valve, flows in ball bowl and then reflect the float ball, so that the float ball will float and close the valve. When the pipeline is in normal operation, a small amount of air will be concentrated to the valve to a considerable extent, the water level inside valve will drop, the float ball drops, the air will be discharged from the small holes. If the pump stopped, at any time negative pressure will produced, float ball will stop and a large number air will be trapped into pipeline to ensure safety.

Function

Automatic exhaust valve is mainly used in water medium industrial pipelines, as a rapid exhausting equipment to improve the efficiency of the water supply equipment and protect pipeline from deformation and rupture, it is the necessary equipment for the pipeline. Valve body is cylinder shaped, with mirrorless steel float ball and plug head inside. This valve is mainly installed at the exit of pumps or in water distribution pipeline, to largely discharge the gathered air inside pipeline, to enhance pipeline and pump efficiency, and once there is negative pressure inside pipeline, this valve can intake air into pipeline to avoid the damage caused by negative pressure.

Features

1. It can discharge the air in the pipeline, to reduce the resistance and save energy.
2. When there is negative pressure in pipeline, the product can quickly and automatically intake air to prevent pipeline rupture.
3. The exhaust capacity is several times of ordinary double-hole exhaust valve.
4. Float ball bracket is stainless steel, long service life, safe and reliable.

Main technical parameters

1. Applicable medium: water
2. Applicable temperature: room temperature
3. Body: gray cast iron, carbon steel, stainless steel
4. Float ball and plug head: stainless steel
5. Sealing material: nitrile rubber
6. Body test pressure: 1.5MPa
7. Float ball, sealing test pressure: 2.05-1.5MPa without leakage

Displacement

(When flow speed is 1.5-2 m/s)

DN	25	32	40	50	65	80	100	150
Cumulative flow	2.5-6	5-14	13-26	17-34	29-58	39-78	61-122	95-190

Main connection size

DN(mm)	D	D1	D2	D3	H	Z-Φd
50	160	125	100	175	245	4-14
80	195	160	135	220	295	4-18
100	215	180	155	240	315	8-18
125	245	210	185	310	415	8-23
150	280	240	210	310	425	8-23
200	335	295	265	360	465	8-23
250	405	335	319	325	485	12-24
300	460	410	370	478	520	12-24

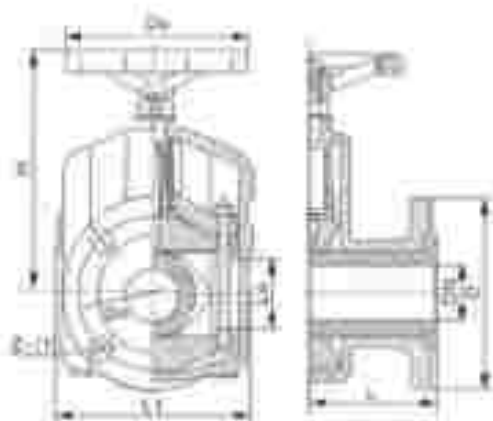
GJ41X Pinch Valve

Pinch valve is composed of left and right valve body, rubber tube sleeves, large and small stems, upper and lower galls the size of the stem, the upper and lower shutter, guider and other components.

Working principle

When turning the handwheel clockwise, the large and small stems drive the upper and lower shutter at the same time, to clamp the rubber sleeve to close valve. When turning the handwheel counterclockwise, the valve will be opened. So that when the operator is closing or opening the valve, as long as he feels the resistance, the valve has already achieved opening or closing limit, do not try to overexert, and do not use other tools to open or close.

GJ41X aluminum alloy pinch valve is suitable for chemical, oil, power generation, soda plant, mineral processing, cement, coal preparation, non-metallic industries, it can quickly control the pipeline concentration of sand flow and cut off.



Main parameters

Working Temperature	Applicable Medium
-40~50℃	Pure, alkaline, acid and dry dust

Main material

Body	Stem	Stem	Pressure seat	Handwheel	Bracket
Aluminum alloy	Rubber	Cast steel Carbon steel	Aluminum alloy	Cast iron	Castle iron

Connection Dimension

Nominal diameter		Nominal pressure	Working pressure	L	L1	L2	D	D1	D2	H	2-φd
DN/mm	NPS/inch	MPa	MPa								
25	1	0.6	0.6	160	124	31	115	85	120	150	4-14
32	1 1/4			165	145	40	*140	100	140	174	4-18
40	1 1/2			190	157	50	*150	110	140	186	4-18
50	2			210	180	60	160	125	160	205	4-18
65	2 1/2			270	199	74	180	145	160	236	4-18
80	3			300	222	88	195	160	200	241	4-18
100	4			360	250	105	215	180	240	301	6-18
125	5			430	318	134	245	210	280	360	8-18
150	6			500	350	158	260	240	320	405	8-23
200	8			650	448	200	335	295	450	545	8-23
250	10			800	515	250	*305	350	450	632	12-23
300	12			950	582	304	*445	400	620	741	12-23

Q61F-25P Full Weld Ball Valve

Brief Introduction

Full-welded ball valve, there will be no external leakage. Processing of the ball has advanced computer detector tracking test, so the ball machining precision is high.

As the valve material is same as pipe material, there will be no stress uneven, nor deformation when earthquake or vibration caused by the vehicle passing through. Seal ring adopts RPTFE with 25% Carbon, to ensure complete no leakage.

Buried welding ball valve can be buried directly underground, do not need to build large valve wells, simply set up small shallow wells on the ground, greatly saving construction costs and engineering time.

According to the pipeline construction and design requirements, valve body length and stem height can be adjusted.

The precision ball is very high, operation is light, no bad interference.

Using advanced raw materials, to hold the pressure above PN25.

Compared with similar products in the same industry, the valve body is small, and the appearance is beautiful. In the condition of regular operation and usage, the service life can be more than 15 years.

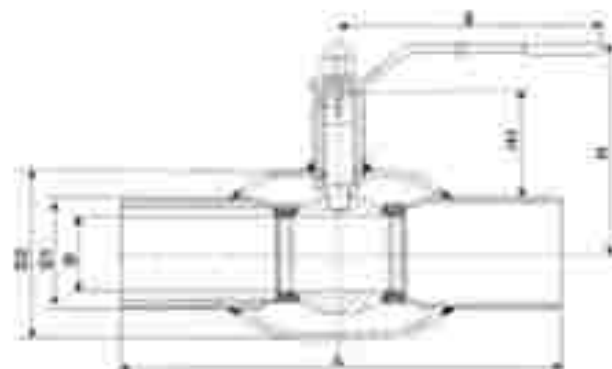
Features

1. The valve body is welded by steel pipe.
2. The ball seat is reinforced with polytetrafluoroethylene.
3. Stem with explosion-proof design.
4. Temperature range: -60-200 °C.
5. Drive mode: manual or worm gear.
6. Test standard: API 598.



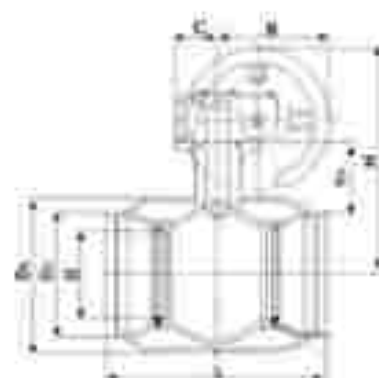
Material

No.	Part name	Material	Remark
1	Body	Carbon steel	ST12
2	Ball	Carbon steel	16Mn
3	Ball	Stainless steel	A321
4	Ball	Stainless steel	A321
5	Ball ring	Titanium	TA1
6	Ball washer	Spring steel	
7	Support	Stainless steel	
8	Stem	Steel	
9	O-ring	Sealant rubber	PNB
10	Gasket	Titanium	INEL
11	Flange	Cast steel	A534
12	Stem	Carbon steel	



Dimension

DN	PN	L	H	H1	H2	H3	H4	H5
10	16	110	11	11.2	11.2	8	44	22
15	16	130	13	13.2	13.2	8	44	22
20	16	150	15	15.2	15.2	8	44	22
25	16	170	17	17.2	17.2	8	44	22
32	16	190	19	19.2	19.2	8	44	22
40	16	210	21	21.2	21.2	8	44	22
50	16	230	23	23.2	23.2	8	44	22
65	16	250	25	25.2	25.2	8	44	22
80	16	270	27	27.2	27.2	8	44	22
100	16	290	29	29.2	29.2	8	44	22
125	16	310	31	31.2	31.2	8	44	22
150	16	330	33	33.2	33.2	8	44	22
200	16	370	37	37.2	37.2	8	44	22
250	16	410	41	41.2	41.2	8	44	22
300	16	450	45	45.2	45.2	8	44	22
350	16	490	49	49.2	49.2	8	44	22
400	16	530	53	53.2	53.2	8	44	22
450	16	570	57	57.2	57.2	8	44	22
500	16	610	61	61.2	61.2	8	44	22



Surge Anticipating Valve



Application

For water supply system, it can respond and release quickly to pressure surge, to prevent the damage to the pipeline and equipments caused by pressure sharp increasing or reducing especially suitable for water pipeline system, to ensure no overpressure in system.

Features

- 1) Maintain safe and stable pressure, once overpressure or pressure dropped below the set value, main valve can be fully opened to drain and release pressure in time.
- 2) Closing speed is adjustable, to eliminate the valve closing pressure fluctuation.
- 3) Diaphragm transmission mechanism minimizes operational hysteresis. Response time is short, high sensitivity.
- 4) It can be installed in any position, can be repaired and checked without changing pressure set value or removing from the pipeline.
- 5) Streamlined wide valve body, Y-shaped full opening flow channel design, to ensure that the valve has the largest discharge capacity and good anti-cavitation ability.
- 6) Enlarged conduit and installed filter to reduce the risk of blocking.
- 7) Quick response. High sensitive pressure components can respond to pressure changes in time. Reliable adjustment makes the valve pressure relief hammer elimination action in accordance with water surge propagation speed.
- 8) Y-shaped plug and unique pilot valve design, the valve adjustment is more convenient, and operation is more stable.
- 9) The protection pressure and the discharge time can be set freely according to the site conditions.
- 10) The valve has a self-inspection and valve working status indicate function to ensure that the valve is always in good working condition.
- 11) The electronic control part has its own power supply, even if the power fails, it will not affect the valve working.



Parameters

1 Maximal diameter: 1.0MPa, 1.6MPa, 2.5MPa, 4.0MPa

2 High pressure:

PH1: 0MPa adjust range: 0.3-0.5MPa

PH1: 0MPa adjust range: 0.5-1.0MPa

PH2: 0MPa adjust range: 0.5-2.0MPa

PH4: 0MPa adjust range: 1.0-3.5MPa

Low pressure:

PH1: 0MPa adjust range: 0.3-0.5MPa

PH1: 0MPa adjust range: 0.3-0.5MPa

PH2: 0MPa adjust range: 0.5-1.0MPa

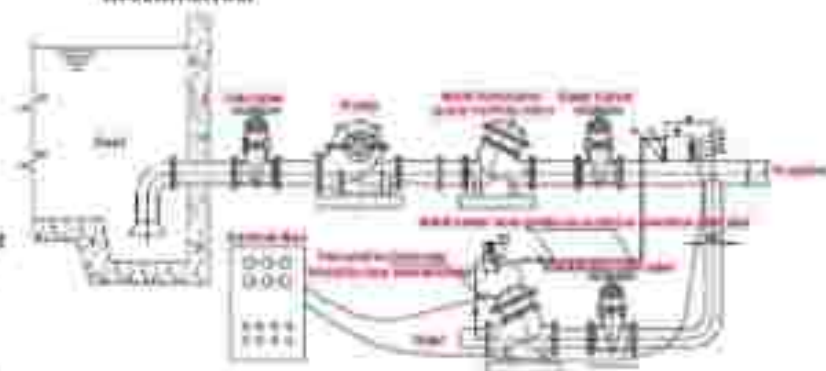
PH4: 0MPa adjust range: 1.0-2.5MPa

3 Open and close action pressure: 0.05MPa

4 Application medium: raw water, clear water

5 Application temperature: 5-80°C

Installation



WJ4TH Bellows Globe Valve

WJ4TH, WJ4TY, WJ4TW bellows globe valve has double sealing design (bellows + packing), sealing performance is good, especially suitable working condition of steam, heat transfer oil, highly toxic, strong acid gas and liquid stored medium, which has high requirement for sealing reliability.



Features

1. Bellows sealing globe valve, the key components is metal bellows, the bellows lower end and stem are connected by automatic rolling welding, the bellows top and the connection plate are connected by automatic rolling welding, formed a metal barrier between the fluid medium and the atmosphere to ensure the stem zero leakage.
2. The valve disc is designed with a cone structure, with better sealing performance and longer service life.
3. Double sealing design bellows + packing, if the bellows sealing failed, stem packing will also avoid leakage.
4. The bonnet comes with a fat liquoring connector, can directly lubricate on the stem, nut and sieve, unlike the traditional valve which only lubricate on the thread.

Specification and dimension

Pressure: 1.6MPa, 2.5MPa, 4.0MPa, 300LB, 600LB, 900LB
 Nominal diameter: DN15, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300, DN350, DN400

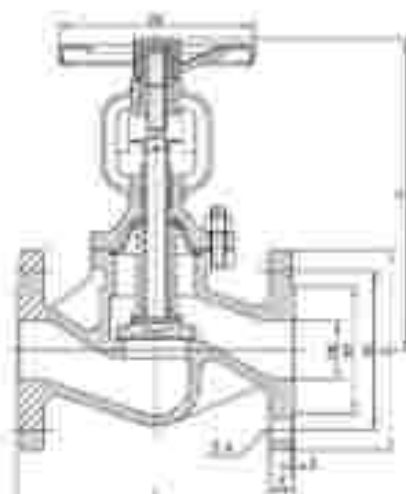
Execution standard

Design standard: GB 1673 GB/T 12235 DIN 3358
 Flange face: ASME B16.10 GB/T 12221 DIN 3302
 Flange connection: ASME B16.5 GB/T 9153 DIN 2543-2545
 Test and inspection: API 598 GB/T 13027 DIN 3230

Parameters

Model	WJ4TH-16C	WJ4TH-25C	WJ4TW-28F	WJ4TW-25F
Working Pressure (MPa)	1.6	2.5	1.6	2.5
Applicable Temperature (°C)	≤425		≤150 (Insulating Jacket)	
Applicable Medium	Non Corrosive Medium		Corrosive Medium	
Material	Body, Bonnet, Disc		Cr Ni Ti Stainless Steel	
	Stem		Cr Ni Ti Stainless Steel	
	Sealing Surface		Cr Ni Ti Stainless Steel	
	Packing		Flexible Graphite/	
	Bellows		Flexible Graphite + Stainless Steel	

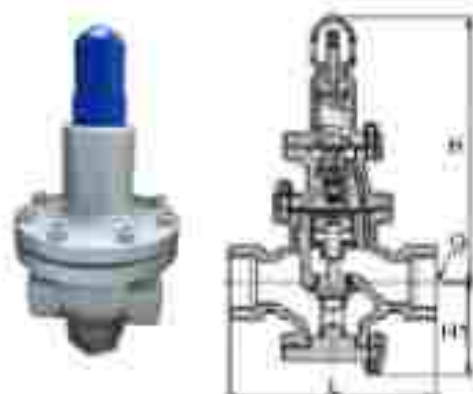
Dimension



WJ4TH-16C WJ4TW-16F

DN	Main Dimensions									
	L	E	DL	CG	h	z	z-d	h1	h2	h3
15	130	35	65	47	24	1	4-21.3	100	120	120
20	150	40	75	53	24	1	4-21.3	110	130	130
25	160	45	85	58	24	1	4-21.3	120	140	140
32	180	50	100	63	24	1	4-21.3	130	150	150
40	200	55	110	68	24	1	4-21.3	140	160	160
50	230	65	125	78	24	1	4-21.3	160	180	180
65	280	80	150	93	24	1	4-21.3	190	210	210
80	320	95	170	108	24	1	4-21.3	220	240	240
100	380	110	200	128	24	1	4-21.3	260	280	280
125	450	130	240	158	24	1	4-21.3	310	330	330
150	530	150	280	188	24	1	4-21.3	360	380	380
200	630	180	350	238	24	1	4-21.3	440	460	460

Y41H Female Thread Piston Pressure Reducing Valve



Structural features and application:

This female pressure reducing valve is a pilot piston pressure reducing valve, composed of main valve and pilot valve. The main valve is mainly composed of valve seat, main valve (piston), cylinder, spring and other parts. Pilot valve is mainly composed of valve seat, valve stem, diaphragm, spring, adjust spring and other components. By adjusting the adjust spring to set the outlet pressure, use diaphragm to sense outlet pressure changes, through the pilot valve opening and closing to drive piston to adjust main valve (piston) part flow area to achieve decompression regulator function.

Internal thread pilot steam pressure reducing valve is mainly used for steam pipes, play the role of pressure regulator.

Flow Coefficient (Cv)

Flow Coefficient (Cv)	15	20	25	32	40	50
Pressure (MPa)	1	0.5	0.4	0.3	0.2	0.1

Main Material

Valve Body	Stainless Steel
Valve Seat	WCB
Valve Stem	304
Valve Spring	304 (2) Heat Resistant Spring
Valve Spring	304 (2) Copper Alloy
Valve Spring	304 (2) Steel
Valve Spring	304 (2) Steel
Valve Spring	304 (2) Steel
Valve Spring	304 (2) Steel
Valve Spring	304 (2) Steel
Valve Spring	304 (2) Steel

Main Technical Parameters And Performance Indicators

Working Pressure (MPa)	1.6	2.5
Working Temperature (°C)	24	375
Working Temperature (°C)	1.6	2.5
Maximum Allowable Working Pressure (MPa)	1.6	2.5
Working Pressure (MPa)	0.1-1.6	0.1-1.6
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	
Working Temperature (°C)	GB12246-1989	

Boundary Dimension

DN	G	L	H	H1
15	1/2"	140	290	90
20	3/4"	140	330	90
25	1"	160	330	110
32	1-1/8"	180	330	110
40	1-1/2"	200	345	125
50	2"	230	345	125

Y43H High Sensitivity Steam Pressure Reducing Valve



Structural features and application

This series pressure reducing valve is a pilot piece pressure-reducing valve. It is composed of main valve and pilot valve. Main valve is mainly composed of valve seat, main valve disc, piston, spring and other parts. Pilot valve is mainly composed of valve seat, valve disk, diaphragm, spring, actuating spring and other components.

This product has a lot of improvement based on the general pressure-reducing valve, enlarge piston area, changed the throttle structure, changed the form of sealing, increased over-flow area, etc., so as to improve the sensitivity, flow rate, working life.

This product is mainly used for steam pipe, suitable for steam pipe of large flow rate, large flow changes, and large input pressure changes.

Flow Coefficient (Cv)

Cv	15	20	25	32	40	50	65	80	100	125	150	200	250	300	400	500
Cv	1	1.25	1.4	1.6	1.8	2	2.5	3	3.6	4.2	4.8	6.3	7.9	9.5	12.5	15.8

Main Material

Valve body	Stainless steel
Valve seat	WCB
Valve disk	2Cr13
Valve stem	A1-70
Valve nut	1Cr18Ni9
Valve cap	Alloy cast steel P40
Valve cap nut	2Cr13
Valve cap gasket	SS304
Valve cap seal	SS304
Valve cap seal	SS304

Main Technical Parameters And Performance Indicators

Pressure (MPa)	1.6	2.5	4	6.4	10	16
Flow rate (m³/h)	2.4	3.75	6	9.6	15	24
Flow rate (m³/h)	1.8	2.5	4	6.4	10	16
Flow rate (m³/h)	1.8	2.5	4	6.4	10	16
Flow rate (m³/h)	0.24-1.2	0.25-1.8	0.35-2.3	0.3-3.5	0.5-3.5	0.5-4.5
Pressure (MPa)	GB12245-1989					
Flow rate (m³/h)	GB12245-1989					
Flow rate (m³/h)	0.07	0.1	0.15	0.4	0.5	0.8
Flow rate	GB12245-1989					

Boundary Dimension (PN1.6-4.0)

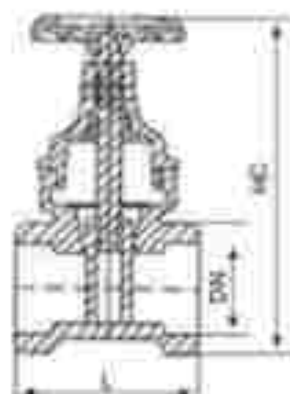
DN	L		H	H1
	Y43H-1.6	Y43H-4.0		
15	160	180	205	85
20	160	180	205	85
25	180	200	280	95
32	200	220	280	95
40	220	240	280	105
50	250	270	300	130
65	280	300	315	145
80	310	330	330	170
100	350	380	405	200
125	400	450	450	225
150	450	500	485	265
200	500	550	570	290
250	650	640	640	325
300	800	740	740	380
350	850	810	810	395
400	900	950	950	430
500	950	1000	1000	500

Boundary Dimension (PN6.4-16.0)

DN	L		H	H1
	Y43H-6.4	Y43H-16.0		
15	180	180	280	100
20	180	200	280	100
25	200	220	300	115
32	220	230	300	115
40	240	240	315	130
50	270	300	340	135
65	300	340	355	150
80	330	380	370	175
100	380	450	450	205
125	450	510	510	235
150	500	555	555	275
200	550	645	645	300
250	650	720	720	335
300	800	830	830	375
350	850	880	880	410
400	900	1020	1020	445
500	950	1000	1000	515

Z15X Thread Gate Valve

Z15X gate valve is the replacement products for regular gate valve, the disc is wholly coated by special rubber, using flexible rubber deformation to achieve gate valve sealing, zero leakage. Valve chamber is without broke slot, will not left debris, the resistance is minimal, easy to close and open. Adopting three "O" ring, maintenance-free. Inside and outside surface are non-toxic epoxy resin electrostatic spraying, will not produce rust water, to meet the direct drinking water requirements.



Main material

SN	Name	Material
1	Body	Gray cast iron, ductile iron
2	Disc	Gray cast iron coating EPDM or NBR
3	Stem	Stainless steel, copper alloy
4	Seal ring	Rubber
5	Bonnet	Gray cast iron, ductile iron

Parameters

Pressure level (bar)	Temperature level (°C)	Working pressure	Test pressure	Strength test pressure
1.6MPa	≤120°C	1.0MPa	1.15MPa	1.5MPa
2.5MPa		1.6MPa	1.75MPa	2.4MPa

Main Connection Dimension

DN	15	20	25	32	40	50
L	65	70	80	90	97	110
H	110	120	140	150	160	170

244T Parallel Double Disc Gate Valve



244 parallel double disc gate valve is applicable for water, sewage pipelines, as a closed-circuit equipment. It is not allowed to use as a flow adjusting or emptying device. This gate valve is widely used in petroleum, chemical, pharmaceutical, power and other industries. As a opening or closing equipment in steam, water, oil medium pipelines with nominal pressure ≤ 1.0MPa. Available types are parallel double disc gate valve, parallel single disc gate valve, rising stem parallel double disc gate valve, rising stem parallel single disc gate valve.

Features

1. when the system is working properly, the gate valve will open or close at the uniform speed of 1.0m/min; and the pressure system power failure and other accident is divided into fast, slow closing two stages. 100-20% opening is the fast closure, time <45 (s); 20-0% opening is the slow closure, time <40 (s).
2. Used at the pump outlet as cut-off valve or check valve, the valve also has a stem lock device, to ensure safe operation.
3. 244T-type gate valve adopts new electric device, can operate at site or remote controlling, it can meet the computer program-controlled requirements. Controlling is accurate, safe and reliable.

Parameters

Model	Nominal Pressure (MPa)	Test Pressure (MPa)		Working Temperature (°C)	Medium
		Strength (100°C)	Seal (200°C)		
244T-10	1	15	11	<120	Steam, water
244T-20				<120	Oil, gas

Material

Name	Material	
	244T-10	244T-20
Body, bonnet, handwheel	Gray cast iron	Gray cast iron
Disc	Gray cast iron+flame	Gray cast iron
Stem	Carbon steel/Q235	Carbon steel
Wedge	Cast steel	Cast steel
Stem nut	Steel	Stainless

Main connection size

DN(mm)	244T/W/10/16				
	L	D	DN	Weight	Wt
40	165	145	110	4.18	245
50	180	160	125	4.18	300
65	195	180	145	4.48	350
80	215	195	160	5.18	420
100	230	215	180	6.18	472
125	255	245	210	8.18	580
150	280	280	240	9.22	652
200	330	340	295	15.22/12.00	800
250	360	390/400	350/365	12.22/12.25	1040
300	420	445/460	400/410	12.25/12.25	1280
350	450	505/520	460/470	16.22/16.25	1495
400	480	565/580	515/525	16.25/16.30	1865
450	510	615/640	565/585	20.25/20.30	1800
500	540	670/710	620/660	20.26/20.33	2100
600	600	760/840	725/770	25.35/25.36	2460
700	680	885/910	840	24.39/24.36	2940