YOUR WORLD - CLASS



SHANGHAI OFFICE
16th Floor, No. 29, Lane 160, Yinkang Road, Minhang

ZHEJIANG FACTORY
No. 788, Zhichuang Road, Xindai Town, Pinghu City, Zhejiang Province, China

FLOWX VALVE S.R.L.
ROMA (RM) VIALE GIULIO CESARE 71 CAP 00192

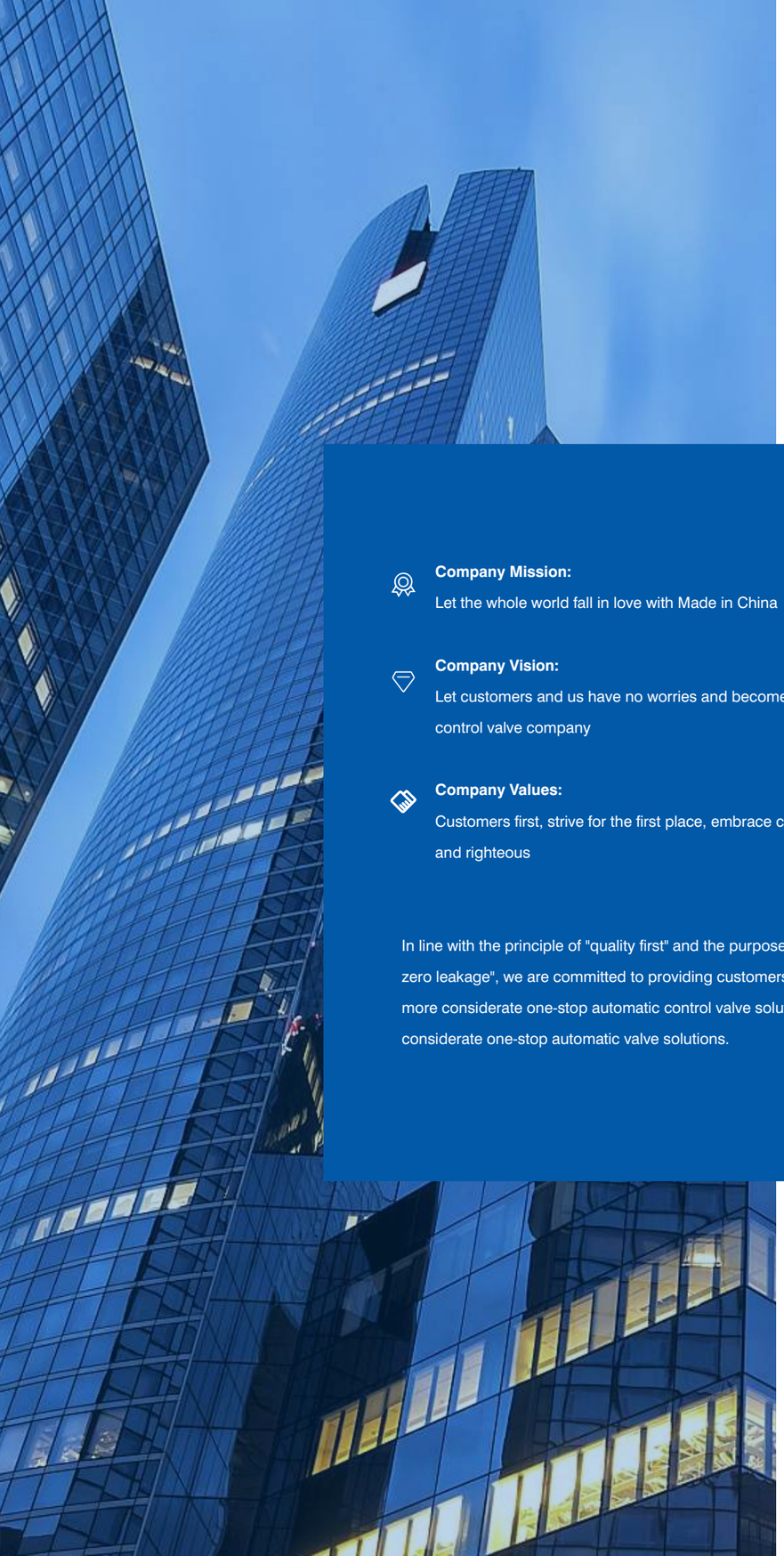
SHANGHAI FACTORY
No. 205, Jianding Road, Fengjing Town, Jinshan District, Shanghai,China

Automation High Precision One-stop Service

sales@flowxcontrol.com
400-669-8805
www.flowxcontrol.com

Flowx Valve

Butterfly Valve | Ball Valve | Control Valve | General Valve | Actuator and Accessories



Company Mission:

Let the whole world fall in love with Made in China

Company Vision:

Let customers and us have no worries and become the best automatic control valve company

Company Values:

Customers first, strive for the first place, embrace changes, be affectionate and righteous

In line with the principle of "quality first" and the purpose of "high precision and zero leakage", we are committed to providing customers with more complete and more considerate one-stop automatic control valve solutions, and more considerate one-stop automatic valve solutions.

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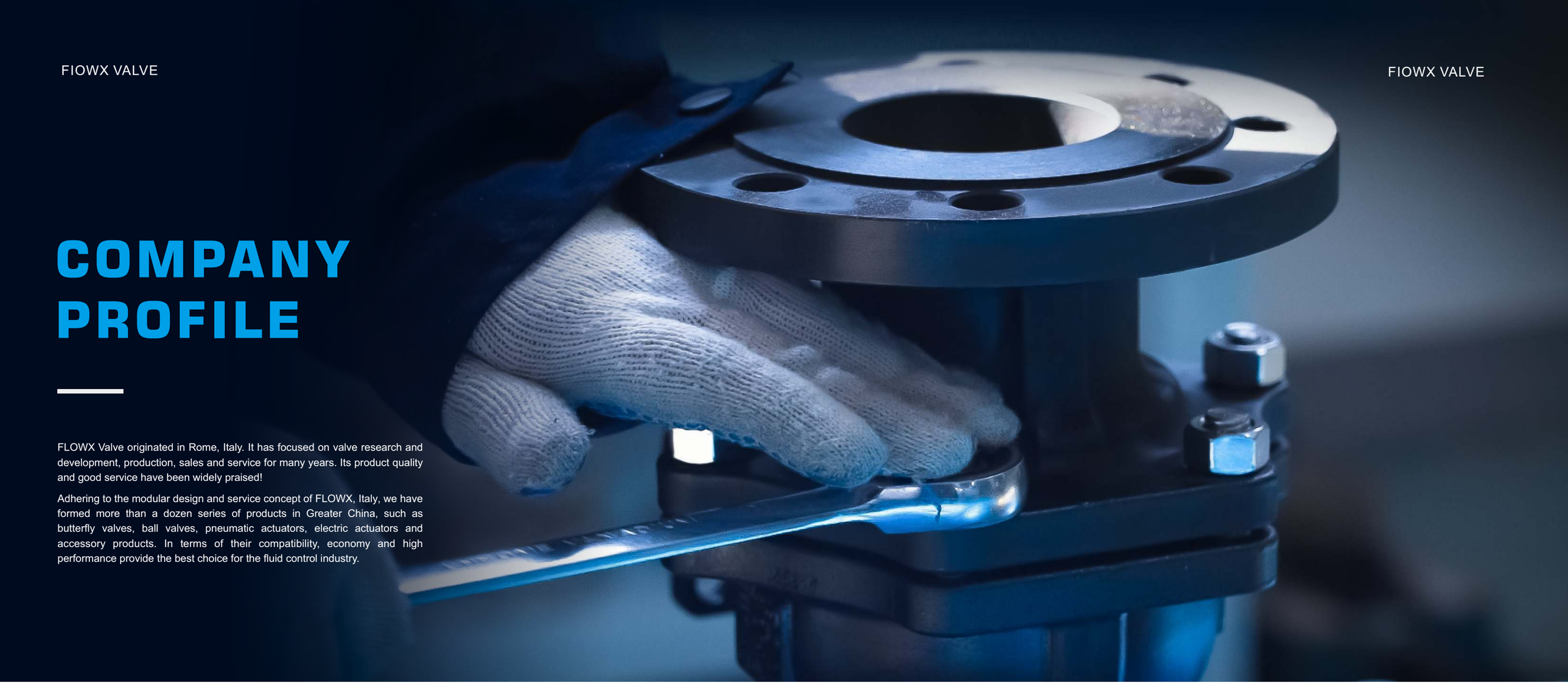
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FIOWX VALVE

COMPANY PROFILE

FLOWX Valve originated in Rome, Italy. It has focused on valve research and development, production, sales and service for many years. Its product quality and good service have been widely praised!

Adhering to the modular design and service concept of FLOWX, Italy, we have formed more than a dozen series of products in Greater China, such as butterfly valves, ball valves, pneumatic actuators, electric actuators and accessory products. In terms of their compatibility, economy and high performance provide the best choice for the fluid control industry.



VALVE APPLICATION EXPERTS NEAR YOU

Manufacturer's company development scale | Product quality control and testing | Product professionalism | Delivery timeliness | Delivery timeliness | Price advantage | Personalization cooperation

Through years of field application experience, research and development, FLOWX designs products to meet the stringent requirements of today's fluid handling industry. We have earned a very good reputation by creating the highest quality product value, providing personalized customer service, and ensuring on-time delivery with both quality and quantity. Our success has always been based on a complete, full range of valves, actuators and control products. The product's solid and reliable performance eliminates customers' worries.

FLOWX manufacturing plants have passed ISO9001 quality standards, ensuring product quality, processing accuracy and internal processing integrity reliable performance eliminates customers' worries.

FIOWX VALVE







Application Areas

Petroleum, Chemical industry
Food, Medicine
New energy, Railway
Water treatment, Steel
Metallurgy and other industries
.....





FLOWX serves his customers faithfully. Our employees are professionally trained on FLOWX products and their applications, providing personalized service and attention to each customer.

Product Series

In line with the principle of "quality first" and the purpose of "one-stop, high precision, intelligence", Flowx has formed a series of product systems with automatic butterfly valves, automatic ball valves and discharge valves as the core. We have CE certification, SIL certification, fire certification, ISO9001, ISO14001, and other related qualifications. Our products are widely used in new energy, fine chemicals, municipal administration, biopharmaceutical and other industries.





SELECTION CODE

FP1000-13E1

1 2 3 4 5 6 7

1 Valve Type

Fp10..... Butterfly Valve
FP20 .....Ball Valve
FP30 .....Check Valve
FP40 .....Gate Valve
FP50 .....Globe Valve
FP60 .....Filter Regulator
FP70 .....Control valve
FP80 .....Others

3 Actuation Mode

0.....Pneumatic Actuator (double action)
0S .....Pneumatic Actuator (single acting)
OE.....DA Pneumatic Actuator
+Reducing Gear
OES.....SA Pneumatic Actuator
+Reducing Gear
1.....Handle Lever
2.....Worm Gear
3.....Electric Actuator AC220V
31.....Electric Actuator AC380V
32.....Electric Actuator DC24V
33.....Electric Actuator AC24V
4.....Others

4 Link Method

1.....Wafer
2.....Flanged
3.....Threaded
4.....Welded
5.....Clamped
6.....LUG(LT)
7.....Weld&Thread Per Each
Connect Type
8.....Double True
9.....Clamp Cover
0.....Other

5 Sealing Material

1.....EPDM
2.....NBR
3.....PTFE
4.....VITION
5.....FPM
6.....Wear-Resisting EPDM
7.....SS304
8.....Alloy Steel
9.....Hard Alloy Stee
J.....Alloy Steel（1. 4529）

6 Valve Plate/ball Core

A.....Ductile Iron Plating
B.....Ductile Iron Clad Nylon
C.....Ductile Iron Clad PTFE
D.....Aluminum Bronze
E.....SS304
F.....SS316
G.....UPVC
H.....CPVC
I.....Carbon Steel
J.....Ceramics
4.....PP
5.....Cast Iiron

7 Valve Body Material

1.....Cast Iron
2.....WCB
3.....SS304
4.....Aluminum Alloy
5.....SS316
6.....UPVC
7.....PP
8.....CPVC
0.....Other

2 Selection Code

Code Name	Butterfly Valve	Ball Valve	Check Valve
0	Soft seal butterfly valve	Straight-through floating metal ball valve	Metal check valve
1	Hard seal butterfly valve	Three-way conventional valve	Plastic check valve
2	High performance butterfly valve	High pressure ball valve	High pressure check valve
3	Plastic butterfly valve	High pressure three-way ball valve	Control check valve
4	Powder butterfly valve	Four-way ball valve	Sanitary check valve
5	Sanitary butterfly valve	Plastic two-way ball valve	
6	Ventilation butterfly valve	Plastic three-way ball valve	
7		Sanitary two-way ball valve	
8		Sanitary three-way ball valve	
9		Fixed ball metal ball valve	
v		V type ball valve	

Code Name	Globe Valve	Gate Valve	Filter
0	Metal	Lifting open pole wedge gate-single gate	Metal Filter
1	Plastic	Non-lifting hidden pole wedge gate-single gate	Plastic Filter
2	High pressure stop valve	Lifting open pole wedge gate-double gate	
3		Non-lifting hidden pole wedge gate-single gate	
4		Knife type gate valve high pressure gate valve	

Code Name	Regulating Valve	Other valves
0	Self-operated regulating valve	Balance valve
1	Pneumatic diaphragm regulating valve	Diaphragm valve
2	Electric regulating valve	Water pump diffuser
3		Rubber soft joint
4		Needle valve

Center Line Soft Sealing Butterfly Valve

1. Small and lightweight, easy to disassemble and repair, and can be installed at any location.
2. The structure is simple and compact, the operating torque is small, and the 90° rotation opens quickly.
3. The flow characteristics tend to be linear and the adjustment performance is good.
4. The connection between the butterfly plate and the valve stem adopts a pinless structure, which overcomes possible internal leakage points.
5. The outer circle of the butterfly plate adopts a spherical shape, which improves the sealing performance and extends the service life of the valve. It can maintain zero leakage for more than 50,000 times of opening and closing under pressure.






Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN25 ↓ 300	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN6 PN10 PN16	-20°C-110°C -15°C-150C -10°CC-93°C -10°CC-160°C -10°C-80°C -30°C-180°C	EPDM PTFE NBR VITON Polyurethane Silicone Rubber

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 2205 2507 Aluminum Bronze Nylon Board Ductile Iron Plate 1.4529	Ductile Iron SS304 SS316 WCB 2205 2507 Aluminum Alloy 1.4529	Water Oil Gas Powder Particles Flue Gas Desulfurization	Water Treatment Municipal Engineering Pharmaceutical Automotive Industry	PN10/PN16 ANSI150 DIN16 JIS10K

Concentric Soft Seat Flanged Butterfly Valve

1. Fully lined, resistant to strong corrosion, aging and wear.
2. Dovetail groove structure, uniform perforation of valve parts, strong adhesion, and long service life.
3. Molded, chemically stable, not easy to fall off, and has good anti-fouling and anti-stick properties.
4. The inner wall is smooth, with low resistance, high CV value, strong circulation and zero leakage.
5. Small size, light weight, safe and stable, light operation and easy to install.






Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 1600	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN6 PN10 PN16	-20°C-110°C -15°C-150C -10°C-93°C -10°C-160°C -10°C-80°C -30°C-150°C	EPDM PTFE NBR VITON Polyurethane Silicone Rubber

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 2205 2507 Aluminum Bronze Nylon Board Ductile Iron Plate 1.4529	Ductile Iron SS304 SS316 WCB Aluminum Alloy	Water Oil Gas Powder Particles Flue Gas Desulfurization	Water Treatment Municipal Engineering Pharmaceutical Automotive Industry	PN10/PN16 ANSI150 DIN16 JIS10K

Lt Lug Butterfly Valve

1. The seals can be replaced, the sealing performance is reliable, and the two-way seal can achieve zero leakage.
2. The sealing material is resistant to aging, corrosion and has a long service life.
3. The valve stem seal is not easily deformed, thereby avoiding valve stem leakage, and is overall stable, firm, and supportive.
4. The valve seat uses less rubber, and the potential impact of expansion is small. It is easy to control the torque value within an appropriate range. It adopts a two-section valve stem without pin connection, has a simple and compact structure and is easy to disassemble.
5. The butterfly plate has automatic energy alignment, achieving a small interference fit between the butterfly plate and the valve seat.






Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 1000	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN25	-20°C-110°C -15°C-150C -10°CC-93°C -10°CC-160°C -10°C-80°C -30°C-180°C	EPDM PTFE NBR VITON Polyurethane Silicone Rubber

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 2205 2507 Aluminum Bronze Nylon Board Ductile Iron Plate 1.4529	Ductile Iron SS304 SS316 WCB 2205 2507 Aluminum Alloy 1.4529	Water Oil Gas Powder Particles Flue Gas Desulfurization	Water Treatment Municipal Engineering Pharmaceutical Automotive Industry	PN10/PN16 ANSI150 DIN16 JIS10K

Ventilation Butterfly Valve

1. Opening and closing is convenient, fast, labor-saving, has small fluid resistance, and can be operated frequently.
2. Simple structure, small size and light weight.
3. Can transport mud with minimal liquid accumulation at the pipe mouth.
4. Under low pressure, good sealing can be achieved.
5. Good adjustment performance.






Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN100 ↓ 2000	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN6 PN10 PN16	-15°C-430°C For temperatures >600°C, choose ceramic lining/ high temperature mud	Cast Iron Stainless Steel Alloy Steel Chromium Molybdenum Titanium Steel

Disc Material	Body Material	Medium	Application	Connection Standards
Cast Iron Stainless Steel Alloy Steel Chromium Molybdenum Titanium Steel	Cast Iron Stainless Steel Alloy Steel Chromium Molybdenum Titanium Steel	Exhaust Gas Smoke Ventilation	VTO Incinerator Ventilation Duct	PN10/PN16 ANSI150 DIN16 JIS10K

High Performance Butterfly Valve

1. It can automatically compensate for changes in temperature and pressure, as well as seal compensation for wear due to long-term switch use.

2. The sealing performance is stable and reliable, can achieve two-way sealing without leakage, and has a long service life.

3. Adopting a double eccentric structure design, the valve shaft is deviated from the center of the valve body structure. At the same time, combined with the arc sealing surface design of the valve plate, the valve plate quickly separates from the sealing seat when it is opened to reduce the friction of the sealing surface. The valve plate is It has good sealing performance when closed.







Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 600	Pneumatic Actuator Electric Actuator Worm Gear	PN10 PN40	-25℃-200℃	RPTFE

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 SS316L	Carbon Steel Stainless Steel	Strong Acid Strong Base Strong Oxidants	Lithium Battery Desalination Coal Chemical Industry Petrochemical Industry Rubber Papermaking Pharmaceutical	HG/T 9119 HG/T 20592 ASME 16.5

Hard Seal Butterfly Valve

1. The unique three-way eccentric design enables friction-free transmission between sealing surfaces, extending the service life of the valve.

2. It adopts three-dimensional eccentric elastic or multi-layered hard sealing structure, with compensation between sealing surfaces, and its sealing performance is reliable and reaches zero leakage.

3. Unique structure, small and light, flexible operation and easy to use.

4. The flow resistance is small, and it has good hydraulic characteristics. The flow characteristics are similar to an inclined straight line, and the energy saving effect is good. The two-way seal has no direction requirement for the water flow.

5. Suitable for various media such as different temperatures and pressure levels below 6.4MPa, corrosion resistance, etc.







Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 1000	Pneumatic Actuator Electric Actuator Worm Gear	PN10 PN25 PN40	Carbon Steel-29°C -425°C Stainless Steel-40°C -600°C	Multi-level Carbide

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 DUPLEX STEEL	WCB SS304 SS316 DUPLEX STEEL	Water Steam Oil Products Acid Corrosiveness, etc.	Food Medicine Petrochemical Industry Power Plant Steel Mill Water Treatment, etc.	GB/T9115.1-2000 GB/T9115.2-2000 ASME B16.5 ASME B 16.47

Sanitary Clamp Butterfly Valve

1. The inside and outside of the product are processed with high-end polishing equipment to meet surface precision requirements.
2. Application scope: food, beverage, pharmaceutical, dairy products, beer and fine chemicals.
3. The rubber sealing ring and valve plate of the butterfly valve are all imported parts, which ensures the performance and service life of the butterfly valve.
4. The manual handle adopts pull type and pull type, which can withstand large operating torque and is not easy to break.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 1000	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN6 PN10	-15℃-100℃	Fluorine Rubber Silicone Rubber

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316	Carbon Steel Cast Aluminum Alloy	Essence of Chicken Msg Drinks	Food Wine Making Drinks Dairy Products Fine Chemicals Pharmaceuticals, etc.	3A ISO Calibration Standard

Fully Fluorine lined butterfly valve

1. Lined butterfly valve, the valve body adopts split combination. It is convenient for assembly and sealing adjustment. When the valve is working, only the perfluoroplastic valve seat is in contact with the fluorine-lined plastic butterfly plate and the medium.
2. The inner surface of the valve body channel is smooth, the fluid force is small, the CV value is high, the flow capacity is strong, the torque is moderate, and it completely achieves zero leakage of the medium. The valve is small in size, light in weight, tight in structure, quick to open and close, and beautiful in appearance. Reasonable technology, reliable performance, light operation and long service life.
3. The valve can withstand any corrosive medium except molten alkali metals and elemental gases.






Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 1000	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN10 PN16	-20°C-120°C -20°C-150°C	F46 PFA F4

Disc Material	Body Material	Medium	Application	Connection Standards
F46 PFA F4	Ductile Iron Carbon Steel Stainless Steel	Strong Acid Strong Base Strong Oxidants, etc.	Lithium Battery Desalination Coal Chemical Industry Petrochemical Industry Rubber Papermaking Pharmaceutical	PN10/PN16 ANSI150 DIN16 JIS10K

Powder Butterfly Valve

1. The actuator adopts the gear and rack structure of FLOWX Company, which has beautiful appearance, large output torque, normal service life of one million times, and is maintenance-free.

2. The valve body is made of lightweight high-pressure cast aluminum alloy and is lightweight.

3. The valve plate is made of wear-resistant polymer material lined with a steel core, and forms a highly wear-resistant soft seal with the wear-resistant rubber sealing ring. It can be used no matter how wear-resistant it is.

4. Can be installed on hoppers, silos, screw conveyor outlets and pneumatic conveying pipelines.

5.The flange surface can be selected as single flange surface (D) or double flange surface (S) according to needs.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN100 ↓ 400	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN10	-15℃-85℃	EPDM NBR VITON

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 EPDM PTFE RTFE SS304+Tungsten Carbide	Cast Aluminum Alloy	Dust Feed Cement Powder Particulate Matter	Coal Chemical Industry Petrochemical Industry Rubber Papermaking Pharmaceutical	Factory Standard

U-shaped Butterfly Valve

1. Simple structure, good universal interchangeability and low price.

2. The valve stem adopts two-section pinless connection, which has a simple and compact structure and is extremely convenient for maintenance and disassembly.

3. The valve stem seal is not easily deformed, thus avoiding common valve stem leakage. The overall support is good, stable and firm. The valve seat rubber consumption is small, and the potential impact of expansion is small, making it easy to control the torque value within an appropriate range.

4. The phenolic backrest valve seat has the characteristics of not falling off, tensile resistance, leakage prevention, and easy replacement. Since the sealing surface of the valve seat and the backrest are integrated, the deformation of the valve seat is reduced.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 1000	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN6 PN10 PN16	-20°C-110°C -20°C-150°C -10℃-93℃ -10℃-160℃ -10℃-80℃ -30℃-180℃	EPDM PTFE NBR VITON Polyurethane Silicone Rubber

Disc Material	Body Material	Medium	Application	Connection Standards
Carbon Steel Plate SS304 SS316 Polished Plate	Ductile Iron	Strong Acid Strong Base Feed	Water Gas Feed	PN10/PN16 ANSI150 DIN16 JIS10K

UPVC Butterfly Valve

1. Butterfly valve is small in size, light in weight, simple in structure, compact and beautiful in appearance.
2. Applicable fluids: water, air, oil, corrosive chemical liquids such as sulfuric acid, hydrofluoric acid, phosphoric acid, hydrogen, strong alkali, aqua regia and other highly corrosive media.
3. Wear-resistant, easy to disassemble, simple and easy to maintain.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 1000	Pneumatic Actuator Electric Actuator Manual Hand Lever Worm Gear	PN6 PN10	-15℃-85℃	EPDM FPM

Disc Material	Body Material	Medium	Application	Connection Standards
UPVC CPV PPG FRPP PPH PP PP-R	UPVC CPV PPG FRPP PPH PP PP-R	Drinking Water Sewage High Purity Water	Chemical Industry Agriculture Environmental Friendly Pharmaceutical	PN10/PN16 ANSI150 DIN16 JIS10K

Expansion Butterfly Valve

1. The design is novel, reasonable, unique in structure, light in weight, easy to operate, and quick to open and close.
2. In addition to regulating and carrying current to compensate for thermal expansion and contraction caused by the temperature difference in the pipeline, it is also useful for installing, replacing, and repairing valves. Provide convenience.
3. The sealing part can be adjusted and replaced, and the sealing performance is reliable.
4. The expandable valve seat can reduce the wear of the valve plate and valve seat.
5. Ultra-low torque requirements, low actuator energy requirements, large sealing contact area, and long valve life.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN80 ↓ 350	Pneumatic Actuator	PN10 PN16	-10℃-80℃	EPDM Fluorine Rubber Silicone Rubber

Disc Material	Body Material	Medium	Application	Connection Standards
Stainless Steel + (Teflon/Tungsten Carbide)	Stainless Steel Carbon Steel	Powder Particles	Powder	PN10/PN16 ANSI150 DIN16 JIS10K

3-Piece Threaded ball valve

1. The fluid resistance is small, and its resistance coefficient is equal to that of a pipe section of the same length.
2. Simple structure, small size and light weight.
3. Tight and reliable, the sealing surface material of the ball valve is widely made of plastic, which has good sealing performance and has also been widely used in vacuum systems.
4. It is easy to operate and can be opened and closed quickly. It only needs to be rotated 90° from fully open to fully closed, which is convenient for long-distance control.
5. It is easy to maintain. The ball valve has a simple structure and the sealing rings are generally movable, making it easy to disassemble and replace.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40	-15℃-150℃ -15℃-200℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS316 SS304L SS316L 2205 2507	SS304 SS316 SS304L SS316L 2205 2507	Water Oil Gas Powder Particles	Chemical Oil Chemical Industry Food Medicine Railway Water Treatment Steel、Metallurgy	G M BSPT NPT BSP

2-Piece Threaded ball valve

1. The fluid resistance is small, and its resistance coefficient is equal to that of a pipe section of the same length.
2. Simple structure, small size and light weight.
3. Tight and reliable, the sealing surface material of the ball valve is widely made of plastic, which has good sealing performance and has also been widely used in vacuum systems.
4. It is easy to operate and can be opened and closed quickly. It only needs to be rotated 90° from fully open to fully closed, which is convenient for long-distance control.
5. Easy maintenance, the ball valve has a simple structure, the sealing ring is generally movable, and it is easy to disassemble and replace.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40	-15℃-150℃ -15℃-200℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 SS304L SS316L 2205 2507	SS304 SS316 SS304L SS316L 2205 2507	Water Oil Gas Powder Particles	Chemical Oil Chemical Industry Food Medicine Railway Water Treatment Steel、Metallurgy	G M BSPT NPT BSP

Flanged Ball Valve

1. The valve body is cast using silica sol and has a high platform. The valve body has a smooth and beautiful appearance, with a uniform surface and no casting defects such as burrs, sand sticking, cracks, and flesh.
2. The ball is processed with high precision and is a solid ball with a smooth and round surface without burrs. The passed material is not easy to remain and cause pollution.
3. High platform valve body, no need for bracket.
4. The valve will not be unable to fully open and close due to valve torque error.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 300	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40 PN63	-15℃-150℃ -15℃-200℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Water Oil Gas Powder Particles	Chemical Oil Chemical Industry Food Medicine Railway Water Treatment Steel、Metallurgy	PN10/PN16 ANSI150 DIN16 JIS10K

V-type Ball Valve

1. Equal percentage flow characteristics, adjustable ratio up to 100:1.
2. Suitable for frequent operations, opening and closing quickly, light, small fluid positive force, simple structure, relatively small size, light weight, easy to maintain, good sealing performance, not restricted by the installation direction, the flow direction of the fluid can be arbitrary, no vibration , little noise.
3. The adjustment performance is the best among ball valves. There is a shearing effect between its V-shaped notch and the metal valve seat. It is especially suitable for media containing fibers, tiny solid particles, slurry and other media.






Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40	-15℃-450℃	Hard Seal

Disc Material	Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 2205 2507	WCB SS304 SS316 2205 2507	Steam Air Gas Ammonia Co2 Gas Oil Products Lye	Evaporation Crystallization Residue Treatment Tiny Solid Particles Slurry	PN10/PN16 ANSI150 DIN16 JIS10K

Three-way Flange Ball Valve

1.The three-way ball valve adopts an integrated structure, a 4-sided valve seat sealing type, fewer flange connections, high reliability, and a lightweight design.

2.Three-way ball valves are divided into T-type and L-type, with long service life, large flow capacity and small resistance.

3.Three-way ball valves are divided into two flow modes: L-type and T-type according to the flow direction. The T-shape can connect three orthogonal pipelines and cut off the third channel, which can divert and merge flows. The L-type can only connect two mutually orthogonal pipes, and cannot maintain the interconnection of the third pipe at the same time. It only plays a distribution role.







Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40 PN63	-15℃-150℃ -15℃-200℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS316 SS304L SS316L 2205 2507	SS304 SS316 SS304L SS316L 2205 2507	Non-Corrosive Liquid Gas Powder Etc.	Chemical Industry Oil Natural Gas Civil and Other Industries	PN10/PN16 ANSI150 DIN16 JIS10K

Four-way Ball Valve

1. Small fluid resistance: The cross-sections of the connecting pipes between the sphere and the valve body are equal, and the sphere channels are connected by arcs. When the medium passes through the sphere, the fluid resistance is small.

2. Good sealing performance: The valve seat is made of PTFE material with certain elastic deformation and high strength, which achieves good sealing performance and ensures the stability of the valve.

3. Long service life: The valve core and light neck material of the valve are made of austenitic stainless steel, and the valve seat material is made of PTFE, which can achieve good corrosion resistance and extend the service life of the valve.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Flow Direction	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN25 PN64	-15℃-150℃ -15℃-200℃ -15℃-300℃	L Type T Type	PTFE PPL/MOC Hard Seal

Disc Material	Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Steam Air Gas Ammonia Oil Products Water etc.	Evaporation Crystallization Residue Treatment Tiny Solid Particles Slurry, etc.	PN10/PN16 ANSI150 DIN16 JIS10K

Welded Ball Valve

1. The valve body structure is integrally welded, so the valve is light in weight and easy to insulate, and there will be no external leakage.
2. It has strong adaptability and will not cause any leakage within the range of use.
3. The material is the same as the pipe material, so there will be no uneven stress.
4. The valve body is light and easy to keep warm.
5. No maintenance, adjustment or lubrication is required, it is easy to install and operates reliably for a long time with low operating costs.
6. The valve cavity has a full-bore structure and small fluid resistance.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN63 PN100	-15°C-150°C -15°C-200°C -15°C-300°C	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Water Oil Gas Powder Particles	Oil Gasoline Lng Liquefied Petroleum Gas Petrochemical Industry Steel Plant Heating Pipes	GB ANSI JIS

Sanitary Ball Valve

1. The inside and outside of the product are processed with high-end polishing equipment to meet surface precision requirements.
2. It can meet the special requirements of various media in the food and biopharmaceutical fields, with its smooth, seamless, and automatic emptying craft fluid channels.
3. Smooth, seamless, self-draining craft fluid channels are also ideal for steam step-in-place cleaning.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Flow Direction	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN6 PN10	-15°C-100°C	Quick Installation Weldinge	PTFE

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 SS316L	SS304 SS316 SS316L	Essence of Chicken Msg Drinks	Food Wine Making Drinks Dairy Products Fine Chemicals Pharmaceutical Bioengineering	3A IS0 Calibration Standard

Y-pattern 3-way Ball Valve

1. Depending on the working conditions, the seat seal of the Y-type three-way ball valve can be soft seal, spray-welded nickel-based alloy (hardness greater than HRC60), supersonic coated tungsten-cobalt alloy (hardness greater than HRC70) and special hardened materials, etc. This advanced technology is suitable for various harsh working conditions. The soft seal is suitable for working conditions below 200℃, and the hard sealing carbon steel does not exceed 425℃.

2. The Y-type three-way ball valve has two through holes that are 120° to each other and 135° to each other. It can realize two working conditions of switching the flow direction of the medium as needed.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN50 ↓ 300	Pneumatic Actuator Electric Actuator	PN10 PN16	-15℃-160℃ -15℃-300℃	PTFE Lined Ceramic

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS316L	WCB SS304 SS316 SS316L	135° And 120° Powder (if There Is A Special Valve Angle, Please Propose It)	Powder Strength Delivery	PN10/PN16 ANSI150 DIN16 JIS10K

Plastic Ball Valve

1. Strong corrosion resistance: PVC ball valves are resistant to corrosion inside and outside no matter they are exposed to acid, alkali, salt, chlorination, or oxidation environments, exposed to the air, buried in corrosive soil, or even at high temperatures of 95°C.Will be corroded, strong and reliable.

2. Smooth pipes: PVC ball valves have a smooth surface, which has less friction when transporting fluids, and bacteria and scale are not easy to grow and adhere.

3. Sturdy and pressure-resistant: PVC ball valves are stronger than polyolefin materials, so they require fewer clamps and brackets. Under the same pressure, the pipe diameter is smaller than that of polyolefin pipes to achieve the same flow rate, saving materials and installation time.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN6 PN10	-25℃-100℃	PTFE FPM

Disc Material	Body Material	Medium	Application	Connection Standards
UPVC CPVC PP	UPVC CPVC PVDF PP	Water Solvent Acid Natural Gas Oxygen Hydrogen Peroxide Methane	Chemical Plant Textile Factory Bleaching In Tanneries Dyeing Industrial Wastewater Acid-base Pipeline	GB ANSI JIS

Jacketed Insulated Ball Valve

1. Friction-free opening and closing. This function completely solves the problem of traditional valves affecting sealing due to mutual friction between sealing surfaces.

2. Single valve seat design. It eliminates the problem of abnormal pressure increase of the medium in the valve cavity that affects the safety of use.

3. Low torque design, wedge-shaped sealing structure. The valve relies on the mechanical force provided by the valve stem to press the ball wedge onto the valve seat to seal, so that the sealing performance of the valve is not affected by changes in pipeline pressure difference, and the sealing performance is reliably guaranteed under various working conditions.

4.Self-cleaning structure of sealing surface. When the ball tilts away from the valve seat, the fluid in the pipeline passes through 360° evenly along the sealing surface of the ball, which not only eliminates the local erosion of the valve seat by the high-speed fluid, but also washes away the accumulation on the sealing surface, achieving the purpose of self-cleaning.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 300	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40 PN63 PN100	-15℃-150℃ -15℃-220℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Oil Water Gas Powder Particles	Oil Chemical Industry	PN10/PN16 ANSI150 DIN16 JIS10K

3-way Threaded Ball Valve

1. Any port of the three-way ball valve can be used as the inlet without leakage, and it can be made into an L-shaped or T-shaped channel according to the working conditions, making the installation more convenient.

2. After the system is depressurized, inspection and maintenance can be carried out without disassembling the entire valve body.

3. Three-way ball valves are divided into L-type and T-type. The type is suitable for switching the flow direction of the medium and can connect two mutually perpendicular channels; the T-type is suitable for the diversion, merging or flow direction switching of the medium.

4. The two-seat sealed three-way ball valve has a compact structure, beautiful appearance and good sealing performance. It can switch the flow direction of the pipeline medium and can also connect or close two mutually perpendicular channels.







Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN6 PN10 PN40	-15℃-150℃ -15℃-220℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Disc Material	Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Oil Water Gas Powder Particles	Chemical Industry Oil Light Textile Electricity Food And Pharmaceutical Refrigeration Papermaking	G M BSPT NPT BSP

Tank Bottom Ball Valve

1. The kettle bottom ball valve is welded or flanged to the bottom of the reactor or storage tank and other containers with the help of the flange (flange) at the bottom of the valve. Therefore, it eliminates the residual phenomenon of process medium usually at the outlet of the container and realizes emptying and Drainage function.

2. The kettle bottom ball valve is composed of a valve body, a valve core, a valve stem, a valve seat, a sealing ring, an actuator (electric, pneumatic), etc.

3. Its principle is to push the valve disc up or down through the valve stem to achieve the purpose of opening and closing. When the valve stem of the upward-expanding tank bottom valve rises, the valve opens; when the valve stem of the downward-expanding tank bottom valve rises, the valve closes.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40 PN63 PN100	-15℃-150℃ -15℃-220℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Oil Water Gas Powder Particles	Chemical Industry Oil Metallurgy Pharmaceutical Pesticide Dye Food Processing	PN10/PN16 ANSI150 DIN16 JIS10K

High Pressure Forged Ball Valve

1. The fluid resistance is small, and the full-diameter ball valve has basically no flow resistance.

2. Simple structure, small size and light weight.

3. Tight and reliable. It has two sealing surfaces, and at present, various plastics are widely used in the sealing surface materials of ball valves, which have good sealing performance and can achieve complete sealing. It has also been widely used in vacuum systems.

4. When fully open or fully closed, the sealing surfaces of the ball and valve seat are isolated from the medium. When the medium passes, it will not cause erosion of the valve sealing surface.

5. Since the ball valve has wiping properties during the opening and closing process, it can be used in media with suspended solid particles.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN16	-15℃-150℃ -15℃-220℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Disc Material	Body Material	Medium	Application	Connection Standards
SS304 SS316 2205 2507	SS304 SS316 2205 2507	Oil Water Gas Powder Particles	Chemical Industry Oil Metallurgy Pharmaceutical Pesticide Dye Food Processing	GB ANSI DIN JIS

Fully Fluorine Lined ball valve

1.Strong corrosion resistance, stable performance, not easy to age, and low friction coefficient.

2.Seamless valve body design and smooth inner wall ensure the sealing between the valve body and the valve seat and the uniform stress between the valve body and the valve seat.

3.Adopting a full-bore, floating ball structure, the ball valve can be closed without leakage under the entire pressure condition, which also makes the maintenance of the pipeline system and ball cleaning more convenient.

4.Able to achieve remote control and automated operation.

5.The structure is novel and the inner cavity space of the valve body is small, which reduces the possibility of medium retention.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16 PN40 PN63 PN100	-15℃-150℃ -15℃-220℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Oil Water Gas Powder Particles	Chemical Industry Oil Metallurgy Pharmaceutical Pesticide Dye Food Processing	PN10/PN16 ANSI150 DIN16 JIS10K

High Pressure Ball Valve

1. The fluid resistance is small, and the full-diameter ball valve has basically no flow resistance.

2. Simple structure, small size and light weight.

3. Tight and reliable. It has two sealing surfaces, and at present, various plastics are widely used in the sealing surface materials of ball valves, which have good sealing performance and can achieve complete sealing. It has also been widely used in vacuum systems.

4. It is easy to maintain. The ball valve has a simple structure and the sealing rings are generally movable, making it easy to disassemble and replace.

5. When fully open or fully closed, the sealing surfaces of the ball and valve seat are isolated from the medium. When the medium passes, it will not cause erosion of the valve sealing surface.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Link Method	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN100 ↓ 500	-15℃-150℃	Threaded Connection Flange Connection	PTFE

Disc Material	Body Material	Medium	Application	Connection Standards
WCB SS304 SS316	WCB SS304 SS316	Water Soluble Acid Natural Gas	Petroleum Refining Long Distance Pipeline Chemical Industry Papermaking, Pharmaceuticals Water Conservancy, Electricity Municipal Steel	G M BSPT NPT BSP

Thin-pattern Ball Valve

1. It has a simple structure, small size and light weight, and can be quickly opened and closed by just rotating 90°, making it easy to operate.

2. At the same time, it has good fluid control characteristics.

3. Adopt a double eccentric and a special inclined cone elliptical sealing structure. It solves the problem that the sealing surface of the traditional eccentric butterfly valve is still in sliding contact friction at the moment of opening and closing 0°~10°. The inclined surface ball valve realizes the sealing surface separation of the valve plate at the moment of opening and the effect of sealing when the contact is closed, achieving extended service life and good sealing. For optimal performance purposes.

4. The valve seat adopts an elastic sealing structure, which ensures reliable sealing.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN16	-15℃-150℃ -15℃-220℃ -15℃-300℃	PTFE PPL/MOC Hard Seal

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Oil Water Gas Powder Particles	Petroleum Refining Long Distance Pipeline Chemical Industry Papermaking, Pharmaceuticals Water Conservancy, Electricity Municipal Steel	PN10/PN16 ANSI150 DIN16 JIS10K

Ceramic Ball Valve

1. It has extremely high wear resistance, corrosion resistance and erosion resistance, good thermal insulation, small thermal expansion and long service life.

2. The ball is manufactured using advanced grinding equipment and processes, with high roundness precision and good surface quality. After grinding with the valve seat, the self-lubricity of ceramics can be used to achieve good sealing performance.

3. Improve the shortcomings of metal hard-sealed ball valves that are easy to leak, have large torque, and the sealing surface is not corrosion-resistant.

4. It has advantages when used in granular media with high hardness, or media with soft particles but corrosion.





Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator Electric Actuator Manual Hand Lever	PN10 PN16	-29℃-200℃	Ceramics

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L 2205 2507	WCB SS304 SS316 SS304L SS316L 2205 2507	Water Solvent Natural Gas Seawater Powder Corrosive Media	Petroleum Refining Long Distance Pipeline Chemical Industry Papermaking Pharmaceutical Water Conservancy Electricity Steel	PN10/PN16 ANSI150 DIN16 JIS10K

V-type Control Ball Valve

1. Equal percentage flow characteristics, adjustable ratio up to 100:1.

2. Suitable for frequent operations, opening and closing quickly, light, small fluid resistance, simple structure, relatively small size, light weight, easy to maintain, good sealing performance, not restricted by the installation direction, the flow direction of the medium can be arbitrary, no vibration and noise are small.

3. The adjustment performance is the best among ball valves. There is a shearing effect between its V-shaped cutout and the metal valve seat. It is especially suitable for media containing fibers, tiny solid particles, slurry and other media.






Main Specification

Nominal Size	Actuation Mode	Working Temperature	Seal Material	Work Pressure
DN50 ↓ 100	Pneumatic Actuator Electric Actuator Manual Hand Lever	-15℃-450℃	Hard Seal	PN16 PN25 PN40

Sphere Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 2205 2507	WCB SS304 SS316 2205 2507	Steam Air Gas Ammonia Co2 Gas Oil Products Lye	Evaporation Crystallization Residue Treatment Tiny Solid Particles Slurry	PN10/PN16 ANSI150 DIN16 JIS10K

Electric Control Valve

1. Equipped with PSL intelligent straight-stroke electric actuator, which is small in size, complete in specifications, light in weight, large in thrust, easy to operate, without adjustment potentiometer, high in reliability and low in noise.

2. The PSL electric actuator adopts an integrated structure design, has self-diagnosis function, and is very convenient to use and adjust.

3. There is a digital display window where you can see the control signal value and valve position value.

4. Adopt top guide and single-seat sealing structure. Compared with other similar control valves, it has outstanding advantages such as simple structure, large rated flow coefficient, and low valve seat leakage.

5. It has a soft sealing structure and has both regulating and cutting functions. It is a regulating and cutting-off regulating valve.



Main Specification

Nominal Size	Actuation Mode	Working Temperature	Seal Material	Valve Core Material
DN15 ↓ 300	Pneumatic Actuator Electric Actuator	-250℃-450℃	Hard Seal	SS304 SS304+STL SS316 SS316+STL

Work Pressure	Valve Body Material	Medium	Application	Connection Standards
PN16 PN25 PN40 PN64 PN100	WCB SS304 SS316 DUPLEX STEEL	Water Gas Steam	Petroleum Refining Long Distance Pipeline Chemical Industry Papermaking, Pharmaceuticals Water Conservancy, Electricity Municipal Steel	PN10/PN16 ANSI150 DIN16 JIS10K

3-way (split/merge) Control Valve

1. The valve core structure adopts a cylindrical thin-walled window, side guide, good stability, not prone to vibration, low noise, and allows large pressure difference.

2. When the nominal diameter and pressure difference are small, the combining valve can be used in diversion situations. When the nominal diameter is greater than 80mm and the pressure difference is large, they cannot be used interchangeably.

3. The effect of fluid on the valve core is in the open state, so the valve can work stably.

4. In addition to the guide sleeve lining the upper valve cover facing outward, the side of the valve core and the surface of the valve seat also have guiding functions. The guiding area is large and the operation is reliable.

5. The actuator adopts a multi-spring structure, which is equivalent to reducing the height and weight of traditional valves by 30%.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 100	Pneumatic Actuator Electric Actuator	PN10 PN25 PN40 PN64 PN100	-60℃-560℃	PTFE Flexible Graphite

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS304+STL SS316 SS316+STL PTFE	WCB SS304 SS316	Water Gas Steam	Petroleum Refining Long Distance Pipeline Chemical Industry Papermaking Pharmaceutical Water Conservancy Electricity Steel	PN10/PN16 ANSI150 DIN16 JIS10K

Pneumatic Diaphragm Control Valve

1. In addition to the explosion-proof junction box, the shell cover can be opened for adjustment and maintenance in hazardous areas.

2. Regulating valves are usually divided into two types: straight-through single-seat regulating valves and straight-through double-seat regulating valves. The latter has the characteristics of large flow capacity, small imbalance and stable operation. Therefore, it is usually used in situations with large flow, high pressure drop and low leakage.

3. Compact structure, precise and reliable. The parts of this product are precision die-cast. The appearance and internal structure are made with exquisite craftsmanship. Each mechanism is optimized and combined to design. The whole machine has a compact structure. It adopts stainless steel fasteners and advanced spraying process. It has a manufacturing mark. Permanent, etc., with good anti-corrosion properties.



Main Specification

Nominal Size	Actuation Mode	Working Temperature	Seal Material	Mode of Action	Work Pressure
DN15 ↓ 200	Pneumatic Actuator	-196℃-220℃	PTFE Flexible Graphite	Positive Effect Reaction	PN16 PN25 PN40 PN64 PN100

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS316	WCB SS304 SS316	Water Gas Steam	Metallurgy Carbon Chemical Industry Building Materials	PN10/PN16 ANSI150 DIN16 JIS10K

Self-operated Regulating Valve

1. Compared with manual control valves, the advantage of self-operated control valves is that they can be adjusted automatically; compared with electric control valves, their advantage is that they do not require external power.

2. In closed water circulation systems (such as hot water heating systems, air conditioning chilled water systems), the correct use of this valve can easily realize the flow distribution and dynamic balance of the system, simplify the debugging of the system, and stabilize the working state of the pump.

3. The pressure segment range is thin and intersected, and the adjustment accuracy is high.

4. For pressure adjustment after the valve, the ratio of pressure before the valve and behind the valve can be 10:1~10:8.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 200	Pneumatic Actuator	PN16	-25℃-150℃	Soft Seal

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS316	WCB SS304 SS316	Water Gas Steam	Metallurgy Carbon Chemical Industry Building Materials	PN10/PN16 ANSI150 DIN16 JIS10K

Nitrogen Sealing Valve

1. The nitrogen release device consists of a pressure-opening micro-pressure regulating valve with internal feedback.

2. The effective area of the pressure detection diaphragm is large, the setting spring stiffness is small, the action is sensitive, and the device works smoothly.

3. The nitrogen supply and nitrogen release pressures of the nitrogen sealing device are easy to set and can be performed under continuous production conditions.

4. The nitrogen pressure of the nitrogen sealing valve has a set range and is accurately controlled by the nitrogen sealing valve device.

5. The nitrogen supply device is operated by a pilot, the pressure reduction ratio can reach 100:1, the pressure reduction effect is good, and the control accuracy is high.



Main Specification

Nominal Size	Actuation Mode	Working Temperature	Seal Material	Mode of Action	Work Pressure
DN15 ↓ 200	Pneumatic Actuator	-196℃-220℃	PTFE Flexible Graphite	Positive Effect Reaction	PN16 PN25 PN40 PN64 PN100

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS316	WCB SS304 SS316	Water Gas Steam	Metallurgy Carbon Chemical Industry Building Materials	PN10/PN16 ANSI150 DIN16 JIS10K

Electric Temperature Control Valve

1. The key component of the regulating valve actuator - the controller, adopts the most advanced hybrid integrated circuit, undergoes aging treatment, is sealed and cast with resin, and is box-shaped, moisture-proof, shock-absorbing, small in size, and highly reliable.

2. Digital display of actual temperature, simple and intuitive.

3. Reasonable design of upper and lower electrical limit functions, weak current control, safety and durability.

4. The actuator has three protection functions: overload protection, temperature protection and compression bomb to ensure tight closing of the valve.



Main Specification

Nominal Size	Actuation Mode	Work Pressure	Working Temperature	Seal Material
DN15 ↓ 300	Pneumatic Actuator Electric Actuator	PN16 PN25 PN40 PN64 PN100	-250℃-450℃	Hard Seal

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
SS304 SS304+STL SS316 SS316+STL	WCB SS304 SS316 DUPLEX STEEL	Water Gas Steam	Petroleum Refining Long Distance Pipeline Chemical Industry Papermaking Pharmaceutical Water Conservancy, Electricity Municipal, Steel	PN10/PN16 ANSI150 DIN16 JIS10K

Electric High Pressure Drop Control Valve

1. Small size, light weight and good high pressure resistance.

2. It is widely used in special water treatment fields such as landfill leachate treatment and seawater desalination.

3. With the help of advanced CAE simulation and complete full-condition testing, on the basis of meeting the control and adjustment needs, a reliable and optimized structure is further ensured.

4. Made of high-quality duplex stainless steel CNC machining and assembly. Compact structure, diverse and flexible installation forms.

5. Especially suitable for working conditions with "large pressure difference between the front and back of the valve", "high inlet pressure", "small flow regulation" and "special and complex chemical properties of the medium".



Main Specification

Nominal Size	Actuation Mode	Working Temperature	Seal Material	Link Method	Work Pressure
DN25 ↓ 32	Electric Actuator	-15℃-60℃	Hard Seal	Flange Thread	PN10 PN16

Valve Core Material	Valve Body Material	Medium	Application	Connection Standards
2205 2507	2205 2507	Chemicals	Waste Osmotic Pressure Sewage	G M BSPT NPT BSP (Flange connection can be customized)

Globe Valve

1. The opening and closing parts of the stop valve are cold-type valve discs. The sealing surface is flat or conical, and the valve moves linearly along the center line of the valve seat. The movement form of the valve stem also has the lifting and rotating stem type, which can be used to control the flow of air, water, steam, and various corrosive fluids. Great for cutting off or adjusting and throttling. The opening or closing stroke of the valve stem is relatively short, and it has a very reliable shut-off function. The change of the valve seat opening is proportional to the stroke of the valve disc, which is very suitable for regulating flow.

2. The electric stop valve is tight and reliable, and plastic is widely used as the sealing surface material. It has good sealing performance and has been widely used in vacuum systems.

3. Easy to operate, quick to open and close, just rotate 90° from fully open to fully closed, convenient for long-distance control.

4. Easy maintenance, simple structure, sealing rings are generally movable, and easy to disassemble and replace.

5. It has a wide range of applications, with diameters ranging from a few millimeters to several meters, and can be applied from high vacuum to high pressure.



Main Specification

Nominal Size	Actuation Mode	Seal Material	Work Pressure
DN10 ↓ 300	Pneumatic Actuator Electric Actuator Manual Hand Lever	PTFE Hard Seal Carbide	PN16 ↓ PN160

Working Temperature	Valve Body Material	Medium	Application	Connection Standards
Water, Oil, Steam -29-425°c Steam, Oil -29-550°c Propane, Ethylene -46-350°c	Cast Iron WCB SS304 SS316 SS316l	Water Steam Oil Products Lye	Oil Chemical Industry Pharmaceutical Fertilizer Electric Power Industry	JB/T 79-94 (Other standards can be customized)

Gate Valve

1. The opening and closing part of the gate valve is the gate plate. The movement direction of the gate plate is perpendicular to the direction of the fluid. The gate valve can only be fully open and fully closed. The strokes of the two sealing surfaces are wedge-shaped. The wedge angle varies with the valve parameters, usually 5°. , when the medium temperature is not high, it is 2.52°. To compensate for the deviation caused by the reprocessing of the sealing surface angle, this type of gate is called an elastic gate.

2. It saves effort when opening and closing. It is compared with the stop valve, because whether it is open or closed, the movement direction of the gate is perpendicular to the direction of medium flow.

3. Large height, long opening and closing time. The opening and closing stroke of the gate is relatively large, and the lowering is carried out through the screw. Water hammer is not easy to occur. The reason is the long shutdown time.

4. The medium can flow in any direction on both sides, making it easy to install. The two sides of the gate valve channel are symmetrical and have a smaller length.



Main Specification

Nominal Size	Working Temperature	Seal Material	Main Material
DN50 ↓ 600	-10℃-80℃	Hard Seal	Carbon Steel Stainless Steel

Medium	Work Pressure	Application	Connection Standards
Water Gas Oil Products	PN10 PN16 PN25	Water Treatment Chemical Industry Power Plant Oil	JB/T 79-94 (Other standards can be customized)

Check Valve

Check valve is also called one-way valve or check valve. Its function is to prevent the medium in the pipeline from flowing back. The opening and closing parts open or close by themselves due to the force of medium flow to prevent the medium from flowing back. For pipes with one-way flow of media, the medium is only allowed to flow in one direction to prevent accidents and flow from the inlet side to the outlet side. When the pressure on the inlet side is lower than the outlet side, the valve disc automatically closes the channel under the action of fluid pressure and its own gravity.






Main Specification

Nominal Size	Structure	Seal Material	Main Material	Working Temperature
DN15 ↓ 300	CLIP-ON LIFT TYPE SWING TYPE VERTICAL	EPDM PTFE Hard Seal	CARBON STEEL STAINLESS STEEL	Water, Steam ≤425°c Nitric Acid≤100℃ Oil ≤550℃

Work Pressure	Medium	Application	Connection Standards
PN10 PN16 PN25 PN40 PN64 PN100	Water Steam Oil Products Nitric Acid	Chemical Industry Liquefied Petroleum Gas And Fluid Industries	JB/t 79-94 Other standards can be customized

Slide Plate/knife Gate Valve

1. Slide valves are often used in conjunction with unloading devices or silos. Spiral valves are flange-connected and easy to install. There are two types of inlet and outlet: square and round. There are dozens of specifications according to the size of the caliber.

2. The gate valve has the advantages of simple and compact structure, reasonable design, reliable sealing, light and flexible operation, and small size. The spiral gate valve can be installed horizontally or vertically, and has the characteristics of anti-wear and automatic compensation function and long life.




Main Specification

Nominal Size	Actuation Mode	Working Temperature	Seal Material	Work Pressure
DN15 ↓ 800	Pneumatic Actuator Electric Actuator Manual Hand Lever	-25℃-450℃	Polyurethane Hard Seal	PN6 PN16 PN16

Valve Plate Material	Valve Body Material	Medium	Application	Connection Standards
WCB SS304 SS316 SS304L SS316L	WCB SS304 SS316 SS304L SS316L	Powder Grain Material Pellets Small Pieces Of Material Sludge Animal Feces	Metallurgy Carbon Chemical Industry Building Materials	PN10/PN16 ANSI150 DIN16 JIS10K

Compact Electric Actuator

1. Powerful functions: Our company can provide intelligent adjustment type, proportional type, switch type, and various signal output types;
2. Small and light, with volume and weight only equivalent to about 35% of traditional products.
3. Beautiful and elegant: aluminum alloy die-cast shell, exquisite and smooth, and can reduce electromagnetic interference.
4. Reliable performance: Key components such as bearings and electrical components adopt imported famous brand products.
5. High standard protection: IP68 high standard protection level (tested by Shanghai Instrument and Automation System Inspection and Testing Institute).
6. Precision wear resistance: The worm gear output shaft is integrated with special copper alloy forging, which has high strength and good wear resistance.
7. Minimal hysteresis: The integrated structure avoids leap gaps in key connections and achieves high transmission accuracy.
8. Safety guarantee: The 1F grade insulated motor has passed the 1500V withstand voltage test and has CE certification, ensuring safety.
9. Simple matching: single-phase power supply is used, and the external wiring is simple. It can also be used as 380V and DC power supply.
10. Easy to use, no need to refuel, no need to check, waterproof and rust-proof, can be installed at any angle.
11. Multiple speeds: full time 9 seconds, 13 seconds, 15 seconds, 30 seconds, 50 seconds, 100 seconds, 150 seconds (set before leaving the factory).
12. Intelligent CNC: The intelligent control module is integrated into the electric actuator body, no external positioner is needed, digital setting, digital tuning, high accuracy, self-diagnosis, and one machine with multiple functions.





Performance Parameters

Actuation Mode	Power Supply	Insulation Resistance	Withstand Voltage Level	Ambient Temperature	Protection Level	Installation Angle	Shell Material	Optional Features
FLX-005	DC24V DC12V DC220V	100MΩ/300VDC	500VDC/min	IP67	-25~60℃ (Other temperatures Can be customized)	360° (Any angle degree installation)	Aluminum alloy precision castings	Over torque protection Heated dehumidifier
	AC24V AC110V AC380V AC220V	100MΩ/500VDC	500VDC/min					
FLX-010	DC24V DC12V DC220V	100MΩ/300VDC	500VDC/min					
	AC24V AC110V AC380V AC220V	100MΩ/500VDC	1500VDC/min					
FLX-020 FLX-040	DC24V DC220V	100MΩ/300VDC	500VDC/min					
	AC24V AC110V AC380V AC220V	100MΩ/500VDC	1500VDC/min					
FLX-050 FLX-060	DC24V DC220V	100MΩ/300VDC	500VDC/min					
	AC24V AC110V AC380V AC220V	100MΩ/500VDC	1500VDC/min					
FLX-100 FLX-200	AC24V AC110V AC380V AC220V	100MΩ/500VDC	1500VDC/min					

Model	Power Supply	Motor Power	Rated Current	Output Torque	Running Time	Overall Machine Weight	Rotation Angle	Control Circuit
FLX-005	DC24V DC12V DC220V	20W	3.8A 2A 0.21A	30Nm 50Nm	6s 10s	2.4kg	0-90° Adjustable	Type A Type B D type Type E Type F G type H type
	AC24V AC110V AC380V AC220V	10W	3A 0.64A 0.19A 032A	15Nm 30Nm 50Nm	10s 20s 30s			
FLX-010	DC24V DC12V DC220V	40W	4.8 2.4A 0.32A	100Nm	10s			
	AC24V AC110V AC380V AC220V	23W	3A 0.64A 0.19A 0.32A	50Nm 60Nm 100Nm	13s 15s 20s 30s			
FLX-020 FLX-040	DC24V DC220V	10W	8A 0.35A	200Nm	10s	7.5kg		
	AC24V AC110V AC380V AC220V	60W	5A 0.9A 0.25A D.48A	200Nm 400Nm	15s 60s 60s			
FLX-050 FLX-060	DC24V DC220V	90W	7A 0.9A	500Nm	15s 30s 60s	8kg		
	AC24V AC110V AC380V AC220V		8A 2A 0.45A 0.92A	600Nm				
FLX-100	AC24V AC110V AC380V AC220V	100W	9A 2.2A 0.48 A1.2A	300Nm 600Nm 800Nm 1000Nm	15s 30s 60s	11.5kg		
FLX-200	AC24V AC110V AC380V AC220V	100W	9A 2.2A 0.48 1.2A	2000Nm		12.1kg		

Q-Series Electric actuator

"FHQ" series explosion-proof electric actuators are used to control 0°~270° rotating valves and other similar products, such as butterfly valves, ball valves, dampers, flapper valves, plug valves, shutter valves, etc., and can be widely used in petroleum, chemicals, water, etc. Processing, shipping, papermaking, power stations, heating, building automation, light industry and other industries. It uses 380V/220V/110V AC power as the driving power and 4-20mA current signal or 0-10V DC voltage signal as the control signal, which can make the valve move to the required position and realize its automatic control. The maximum output torque reaches 4000 N· M. (This product has obtained CE and explosion-proof certification, and product quality is guaranteed).



Standard Specifications

Shell	Shell			
Motor Power Supply	standard	Optional		
	220V AC single phase	110V/24V AC single phase	380/440V AC 3 phase	
		50/60Hz +10% 24V DC /110V DC /220V DC		
Motor	Squirrel Cage Asynchronous Motor			
Limit Switch	On/off, 1 Each Spdt, 250v Ac 10a			
Auxiliary Limit Switch	On/off, 1 Each Spdt, 250v Ac 10a			
Torque Switch	On/off, 1 SPDT each, 250V AC 10A220V AC single phase	Except FHQ-005/008/010		
Journey	90°+10°	0°~270° optional		
Stall Protection	Built-in Overheating Protection			
Operating Temperature	On 115°c ±5°c / Off 97°c ±5°c			
Indicator	Continuous Position Indication Scale			
Manual Operation	Mechanical Clutch Mechanism, Equipped With Handwheel Operation			
Self-locking Device	Worm Gear, Worm Gear Mechanism Provides Self-locking			
Mechanical Limit	2 External Adjustment Bolts			
Dryer	7-10w(110/220v Ac)			
Wiring Hole	2 Pf 3/4"			
Ambient Temperature	-20℃~+70℃			
Lubricating	Aluminum-based Grease (ep Type)			
Material	Steel	Aluminum Alloy	Aluminum Bronze	Polycarbonate
Ambient Humidity	Maximum 90%rh	Non-condensing		
Seismic Performance	Xyz10g, 0.2~34 Hz, 30 Minutes			
Outer Coating	Dry Powder, Epoxy Polyester, With Super Anti-corrosion Function			

Compact Intelligent Control Type





Standard Specifications

Shell	FLOWX-05	FLOWX-10	FLOWX-20	FLOWX-40	FLOWX-50	FLOWX-60	FLOWX-100	FLOWX-200
Power Supply	DC12V/DC24VDC220VAC24V/A110VAC220V/AC380V							
Motor Power	10W	23W	40W	40W	90W	90W	100W	100W
Rated Current	0.24A(AC24V)	0.32A(AC24V)	0.48A(AC24V)	0.48A(AC24V)	0.92A(AC24V)	0.92A(AC24V)	1.0A(AC24V)	1.2A(AC24V)
Output Torque	50Nm	100Nm	200Nm	400Nm	500Nm	600Nm	1000Nm	2000Nm
The Weight Of The Whole Machine	2.4Kg	4.2Kg	7.2Kg	7.2Kg	8Kg	8Kg	11.5Kg	12.1Kg
Running Time	30s	30s	30s	30s	30s	30s	50s	100s
Pressure Resistance Level	DC24V:500VDC/min			DC24V:500VDC/min				
Insulation Resistor	DC24V:100MΩ/300VDC			DC24V:100MΩ/300VDC				
Slewing Angle	0-909							
Input Signal	4-20ma Dc, 1-5 Vdc, 0-10 Vdc (Others Can Be Selected Before Leaving The Factory)							
Output Signal	4-20ma Dc (Others Can Be Selected Before Leaving The Factory)							
Basic Error	Not More Than ±1%							
Return	Less Than 0.3%							
Dead Zone	0.4%~1.5% Adjustable							
Damping Characteristics	0 Times							
Repeatability Error In The Organization	0%							
Protection Level	Ip67							
Ambient Temperature	-25~60℃(Other Temperatures Can Be Customized)							
Installation Angle	360°(Installation At Any Angle)							
Housing Material	Aluminum Alloy Precision Castings							
Optional Function	Heating Dehumidifier/over-torque Protection/heating Dehumidifier							

Rack&pinion Pneumatic Actuator

1. The standard product can be adjusted ±5° in both clockwise and counterclockwise directions by adjusting the screws on the outside of the air chamber.
2. The adjusting cam can be adjusted manually.
3.With standard visual position indicator.
4. The standard product can be adjusted by ±5° in the counterclockwise direction by adjusting the screw on the end cover.
5. Parts with ±5° clockwise adjustment can also be provided upon request.
6. Balanced force and reliable strength design ensure long life.
7. The inner surface is anodized and the smoothness of standard products can reach 40um.
8. The inner surface is processed with high precision, so it has high wear resistance and corrosion resistance.





Product Features

Material	Extruded Aluminum		
Basic Parameters	Maximum Working Pressure 8bar		
Working Temperature	-20°c~+85°c		
High Temperature	-20℃~+150℃		
Low Temperature	-40℃~+85℃		
Seal	Standard Seal Material	High Temperature Sealing Material	Low Temperature Sealing Material
	Nbr (Nitrile Rubber)	Viton (Fluorine Rubber)	Silon (Silicone Rubber)
Working Conditions	Self-lubricating, Long Life	100% Factory Tested	
Rotation Adjustment Angle	0~90°		

Three-stage Cylinder

1.The three-stage pneumatic actuator is a special specification actuator that can provide three-position operation modes of 0°, 45°, 90°, and 180°.

2.The intermediate position is achieved by mechanical braking generated by the movement of two auxiliary pistons.

3.The intermediate position is adjustable. For example, a 90° stroke actuator can provide intermediate positions of 20°, 30°, 50°, 70°, etc.



Product Features

Air Source Interface And Top Mounting Hole Size	Complies With Vdi/de3845 Namur Standard			
Bottom Mounting Hole Size	Comply With IS05211, Din3337 Standards			
Structural Form	Three Digits			
Journey	90°	120°	180°	
Action Form	Single Acting	Single Acting		
Always Point	±5°			
Anywhere	Lockable			
Seal Applicable Temperature	Nt(-20°°C~+80°c)	Lt(-40℃~+80°c)	Ht(-15°C~+150°c)	
	Nitrile Rubber	Silicone Rubber	Fluorine Rubber	
Maximum Pressure Resistance	10bar			
Cylinder Material	Aluminum Alloy + Anodizing	Aluminum Alloy Plastic Coating		
Output Shaft Material	45# Quenching and Tempering + Electroplating			
Piston Material	Aluminum Alloy + Anodizing			
Can Be Matched with Valves	Ball Valve	Butterfly Valve	Plug Valve	Eccentric Rotary Valve

Solenoid Valve

1.FLOWX series solenoid valves are suitable for all FLOWX series pneumatic actuators and do not require additional pipelines.

2. Pilot solenoid valve technology.

3. Two-position three-way (applicable to spring return pneumatic actuators), two-position five-way (applicable to double-acting pneumatic actuators).

4. High flow 1.4 Cv.

5. Integrated manual operation button.

6.LED power indicator light (standard).

7. Fast response time (up to 4 times/second).

8.100% continuous working cycle.

9. Suitable for various pneumatic actuator applications, including petrochemical, pulp and paper, filling equipment, food processing and water treatment.

10. Suitable for FLOWX series spring return and double-acting pneumatic actuators.

11. Using special 0-ring, no secondary lubrication is required.

12. High wear-resistant shaft seal is used internally to ensure stable life. The guaranteed life is 12 million times.

13. A variety of voltages and working modes are available for selection.

14. Different surface treatments, thread types (BSPP, BSPT, NPT) optional.

15. Design a manual switch that can be tested on site after a power outage.









Explosion-proof Solenoid Valve

1. Aluminum valve body, with threaded interface and NAMUR interface, explosion-proof coil complies with EN50014, EN50017(EexD), EN50028(EExm), EN50028+EN50019(EEx me) and E50020(EExi) standards. Operating pressure difference: 2-10bar, maximum allowable pressure: 10bar, flow rate (under 6bar conditions): 700L/min (ANR), seal: NBR (nitrile rubber) + PUR (polyurethane).

2. The same slide valve can be equipped with 3/2 normally closed end or 5/2 end, used to control double-acting and single-acting actuators.

3. Can prevent the intrusion of liquid, dust or foreign matter (to achieve protection from external influences).

4. Standard configuration manual operation.

5. External control air source can be connected, interface: 15/16”-26UNS.

6. The explosion-proof solenoid valve has a long working life.

7. Explosion-proof solenoid valve working system: divided into three types: long-term working system, repeated short-time working system and short-time working system. Explosion-proof solenoid valves are all long-term working systems, that is, the coils are allowed to be energized for a long time. For short-time working hours and large batches, special orders can be made to reduce power consumption. If the valve is open for a long time and only closed for a short time, a normally open solenoid valve should be used.

8. Working frequency of explosion-proof solenoid valve: When the action frequency is high, the structure should be a direct-acting solenoid valve, and the power supply should be AC.

9. Voltage: DC24V, AC110V, AC220V.

10. Conventional explosion-proof levels: EXDIBT4, EXDICT6.

11. Dust explosion-proof level: Zone 21, Zone 22, DIPA22TAT4, DIPA22TAT4.





Limit Switch

1. Sturdy and beautiful design.
2. Die-cast aluminum alloy shell, powder coating.
3. The switch position can be clearly identified by the indicator.
4. Quick device cam, the adjustable cam is installed through splines and springs.
5 The position of the switch cam can be quickly adjusted without tools.



Model	FLX-2N
Appendix	Waterproof grade IP67/NEMA4&4X (standard)
	IP68(optional)
Design	Robust and compact design
Bolt On Visual Position Indicator	Can be readjusted according to the required direction
Dual Cable Entry	2 x1/2 NPT (standard)
	M20, PG13.5, PF1/2,PT1/2 (optional)
Terminal Block	8 contacts (0.08-2.5)
Other	Prevent bolts from falling off
Easy To Install Bracket	NAMUR standard stainless steel shaft and bracket



Model	FLX-3N
Appendix	Waterproof grade IP67/NEMA4&4X(standard
	IP68(optional)
Design	Rugged and compact design and a variety of options available
	3~4 additional switches
Bolt On Visual Position Indicator	8~16 contacts
	Can be readjusted according to the required direction
	2 x1/2 NPT (standard)
Dual Cable Entry	M20, PG13.5, PF1/2,PT1/2(optional)
Terminal Block	8 contacts (0.08-2.5)
Other	Prevent bolts from falling off
Easy To Install Bracket	NAMUR standard stainless steel shaft and bracket



Model	FLX-4N
Appendix	Waterproof grade IP67/NEMA4,4X,7,9 (standard)
	IP68(optional)
Explosion-proof Level	E EX d IIB T6
Design	Rugged and compact design and a variety of options available
	8~20 terminal blocks
	3~4 additional switches
	Various selector switches
Bolt On Visual Position Indicator	Can be readjusted according to the required direction
Dual Cable Entry	2 x1/2 NPT (standard)
	M20,PG13.5,PF1/2,PT1/2(optional)
Terminal Block	8 wiring points (0.08-2.5)
Other	Prevent bolts from falling off
Easy To Install Bracket	NAMUR standard stainless steel shaft and bracket



Model	FLX-5N
Appendix	Waterproof grade IP67/NEMA4,4X,7,9(standard)
	IP68(optional)
Explosion-proof Level	E EX d IIC T6
	E EX ia IIC T6
	E EX d IB T6
Design	Robust and compact design
The shaft is built into the top cover (double shaft)	Easy to set up visual position indicator
	Put the visual indicator on the threaded joint type cap
Bolt On Visual Position Indicator	Can be readjusted according to the required direction
Dual Cable Entry	2x3/4 PF (standard)
	M20,M25,NPT3/4,PT3/4(optional)
Terminal Block	8 contacts (0.08-2.5)
Anti-drop Bolts & Spring-loaded Cover Bolts	Open the top cover without worrying about losing the bolts
	Unique design, inner cover bolts
Easy To Install Bracket	NAMUR standard stainless steel shaft and bracket

FLOWX Filter Pressure Regulator

1. Compact structure, combining filter and pressure reducing valve in one unit.
2. Good particle separation and large flow rate.
3. Small hysteresis and good adjustment characteristics.
4. Two pressure adjustment ranges: 0.5...7bar and 0.5...12 bar.
5. Two pressure gauge interfaces, flexible installation.
6.With manual, semi-automatic or fully automatic condensate drain.
7. Protect the settings from tampering by locking the rotating handle.
8. Optional filter element: 5 um or 40 μm.
9. Pressure sensor. (optional).







FPWB Series Electrical Valve Positioner

FPWB series electric positioners are used in conjunction with pneumatic control valves to form a closed-loop control loop. The DC current signal given by the control system is converted into a gas signal that drives the regulating valve to control the action of the regulating valve. At the same time, feedback is provided based on the opening of the regulating valve, so that the valve position can be correctly positioned according to the control signal output by the system. This electric positioner can be used for single-acting (spring return type) and double-acting pneumatic actuators.



Application

1.Chemical industry.
2.Power plant.
3. Paper and glass.
4. Food and pharmaceuticals.
5.Offshore platform.

FPWB Series Characteristic

1. Pass CE certification.
2. Passed the explosion-proof level (Ex ia II CT6, Ex d II BT6, Ex d II CT6) certification.
3. Passed IP67 level certification.
4. High vibration resistance (no impact at 5~200Hz).
5. The electrical interfaces are all porous, allowing for easy connection in any direction.
6. Simple adjustment, easy to achieve conversion between positive and negative effects.
7. For small actuators, the oscillation phenomenon can be eliminated by adjusting the air hole flow rate.
8. 1/2 equal portion control can be completed without replacing parts.
9. Designed as a component-assembled structure for easy repair and maintenance.
10.Easy feedback connection.
11. Low air consumption.

Standard Specifications

Model	FPWB-R	
	Square Shape	
Project		
Input Signal	4~20mA DC	
Resistance	250+15Ω	
Air Supply Pressure	1.4~7kgf/cm2(20~100psi)	
Journey		
Tracheal Interface	PT(NPT)1/4"	
Pressure Gauge Interface	PT(NPT)1/8"	
Electrical Interface	PF1/2"(G1/2")	
Explosion-proof Level	Ex d II CT6	
Protection Level	IP66	
Ambient Temperature	-20°C~70°C	
Linearity	±1%F.S.	±2%F.S.
Hysteresis	±1%F.S.	
Sensitivity	±0.2%F.S.	±0.5%F.S.
Repeatability	±0.5%	
Air Consumption	3LPM(Sup=1.4kgf/cm2, 20psi)	
Flow	80LPM(Sup=1.4kgf/cm2,20psi)	
Material	cast aluminum	
Weight	2.7kg(6 lb)	2.8kg(6.2 lb)