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National Service Hotline

天津市一标阀门制造有限公司
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天津市一标阀门制造有限公司

阀门选型样本

天津一标阀门制造有限公司 1390227118



VALVE SELECTION SAMPLE

阀门选型样本

天津市一标阀门制造有限公司
TIANJIN YIBIAO VALVE MANUFACTURING CO., LTD.



COMPANY PROFILE

公司简介



天津市一标阀门制造有限公司是一家集设计、开发、制造和经营为一体的专业性阀门企业。自创办以来，始终坚持以质量求生存，以科技产品求发展，经过多年的发展，以其过硬的产品质量和完整的服务体系，获得了广大用户的好评，在行业内树立了良好的企业形象，品牌知名度逐年攀升。

公司主要产品：蝶阀、球阀、水力控制阀、调节阀等产品，广泛应用于电厂、石油、化工、药业、煤气、食品、纸业、给排水、空调、管道系统等领域。

在激烈的市场竞争中，我们坚持科技兴企方针，不断优化产品结构，实施质量改进。通过引进先进技术，主导产品电动控制阀、气动控制阀已形成我公司产品特色。产品在多种腐蚀性、非腐蚀性气体、液体以及固体粉末管线和容器上，作调解和截流设备使用。

本厂一贯奉行以满足用户的需要为己任的宗旨，以质量求生存，以信誉谋发展，以诚信占市场，积极打造优质精品。愿与广大用户和各界朋友精诚合作，提供一流的服务。

Tianjin Yibiao Valve Manufacturing Co., Ltd. is a professional valve enterprise integrating design, development, manufacturing and operation. Since its establishment, it has always adhered to the quality of survival, the development of science and technology products, after years of development, with its excellent product quality and complete service system, it has won the praise of the majority of users, established a good corporate image in the industry, and the brand awareness has increased year by year.

Main products: butterfly valve, ball valve, hydraulic control valve, regulating valve and other products, which are widely used in power plant, petroleum, chemical industry, pharmaceutical industry, gas, food, paper industry, water supply and drainage, air conditioning, pipeline system and other fields.

In the fierce market competition, we adhere to the policy of invigorating enterprises through science and technology, constantly optimize product structure and implement quality improvement. Through the introduction of advanced technology, leading products electric control valve, pneumatic control valve has formed our company's product characteristics. The product is used in various corrosive and non corrosive gas, liquid and solid powder pipelines and containers for mediation and closure equipment.

Our factory always pursues the tenet of satisfying the needs of users, striving for survival with quality, seeking development with reputation, occupying the market with honesty and actively creating high-quality products. We are willing to cooperate with customers and friends from all walks of life to provide first-class service.

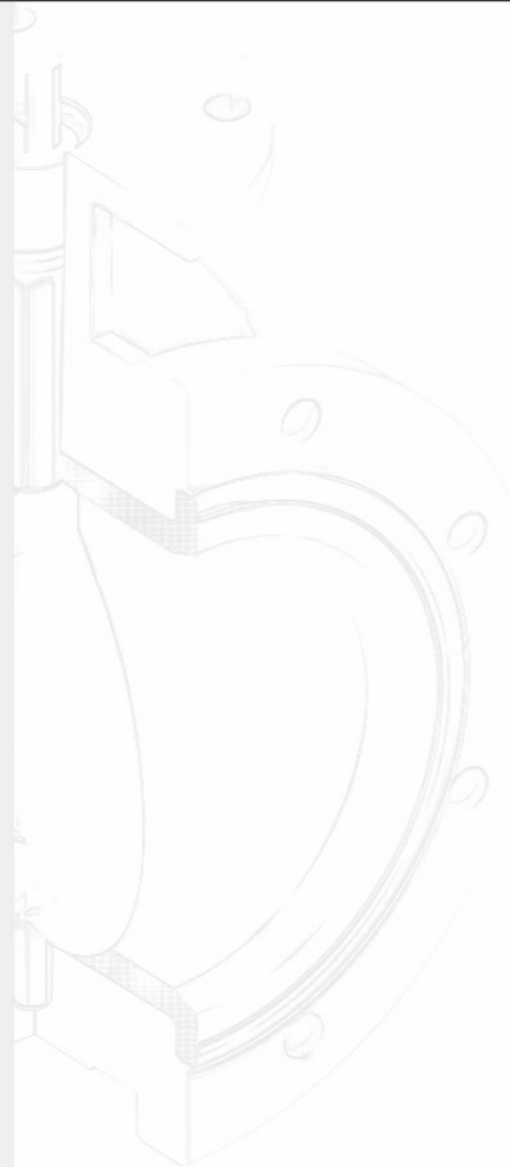


WORKSHOP
DISPLAY
车间展示



我们拥有精良的机械设备，可按不同的要求生产标准及非标准的产品。所有产品出厂前均需经过严格的检验和液压测试以确保产品的质量。

公司有充足的产品零部件库存以备大量订单之需。这样我们只需在生产线上组装即可按时交货而不会因临时生产而延误交货期。



We have excellent mechanical equipment, can produce standard and non-standard products according to different requirements. All products must pass strict inspection and hydraulic test before leaving factory to ensure the quality of products.

The company has sufficient stock of product parts for large orders. In this way, we only need to assemble in the production line to deliver goods on time without delay due to temporary production.



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- 166 YZ/FZ 镶铜铸铁圆/铁方闸门 COPPER INLAID CAST IRON ROUND/SQUARE GATE

BUTTERFLY VALVE SERIES

蝶阀系列



与介质完全隔离 Completely Isolated From Media

取决于两个基础设计理念:

A. 阀板/阀杆内部连接 本公司提供三种阀板与阀杆的连接方式: 双“D”连接, 花键连接以及双平键连接。这些内部的, 不会被弄湿的连接消除了阀杆暴露在外面从而接触到介质, 例如像销子或螺钉等连接。

It depends on two basic design concepts:

A. Internal connection of valve plate/stem the company provides three connection modes of valve plate and stem: Double "D" connection, spline connection and double flat key connection. These internal, non wetting connections eliminate exposure of the stem to media such as pins or screws.



1、
双“D”: 连接的阀板和阀杆特点是精密加工的阀杆平面和阀板里边匹配在一起。尺寸2"-20"(50mm-500mm)

Double "D": The characteristic of the connected valve plate and valve stem is that the precision-machined valve stem plane matches the inside of the valve plate. Size 2"-20" (50mm-500mm)



2、
花键: 连接的阀板和阀杆特点是将加工精密的阀杆凸键齿和阀板凹键齿过盈配合连接。标准尺寸: 22"-48"(550mm-1200mm) 可选尺寸: 54"-120"(1400mm-3000mm)

Spline: The characteristic of the connected valve plate and valve stem is the interference fit connection between the machined precision valve stem convex key teeth and the valve plate concave key teeth. Standard size: 22"-48" (550mm-1200mm) Available sizes: 54"-120" (1400mm-3000mm)



3、
双平键: 连接阀板和阀杆的特点是将阀板和阀杆经过加工的键槽匹配在一起, 键槽间合在一起。可选尺寸: 54"-120"(1400mm-3000mm)

Double flat key: The characteristic of connecting the valve plate and the valve stem is to match the processed key grooves of the valve plate and the valve stem together, and the key grooves are combined together. Available sizes: 54"-120" (1400mm-3000mm)

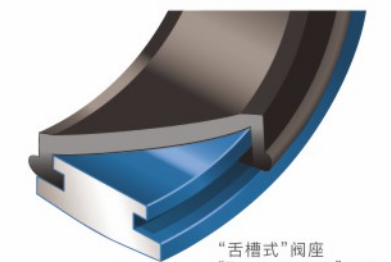
B、本公司阀座设计

阀座设计提供了阀体和阀杆完全和介质隔离。阀座是特别为连接套合式或焊接式法兰而设计。

拆卸阀门的内部连接操作十分简单, 只要将阀杆从阀板中拉出来即可。阀板和阀杆连接经过精密的加工, 确保消除了滞后现象, 加上所有的连接设计产生了高强度的有效接合。所有阀杆具有防吹出特点。

B. The company's valve seat design
The seat design provides complete isolation of the body and stem from the medium. The valve seat is specially designed for connecting sleeved or welded flanges.

Disassembling the internal connection of the valve is very simple, as long as the stem is pulled out of the valve plate. The connection between the plate and the stem is precisely processed to ensure that hysteresis is eliminated, and all connection designs produce high-strength effective joints. All valve stems have anti-blowing features.



“舌槽式”阀座
"Tongue groove" seat

国际兼容性 International Compatibility

阀门安装顶部法兰满足ISO5211标准, 可直接安装手动操作机构和电动执行机构。所有阀门加长式阀颈, 满足至少2"(50mm)管线保温要求。

The top flange of valve installation meets ISO5211 standard, and can be directly installed with manual operation mechanism and electric actuator. All valve extended necks shall meet the insulation requirements of at least 2" (50mm) pipeline.

执行机构安装 Actuator Installation

由于标准化的设计理念, 所有执行机构包括手柄、齿轮减速器、气动和电动执行机构都能直接安装在衬胶阀门上, 无需支架。现场安装简易, 减小了误差和高度。

Due to the standardized design concept, all actuators including handles, gear reducers, pneumatic and electric actuators can be directly installed on the rubber-lined valve without the need for a bracket. It is easy to install on site, reducing error and height.





阀体聚酯涂层 Body polyester coating

本公司提供的标准产品阀体是聚酯涂层，表面具有很好的抗腐蚀性和耐磨性。产品聚酯涂层坚硬，有光泽蓝色涂层。

The standard valve body provided by our company is polyester coating with good corrosion resistance and wear resistance. The polyester coating is hard and glossy blue.

- 1、耐腐蚀性强：能抗腐蚀于盐溶液、盐水、油脂、石油溶液、酒精、弱酸和弱碱。防潮和防水性非常好。
 - 2、户外性：能抵抗紫外线。
 - 3、耐磨损性强：有很好的抗磨损性能。
 - 4、耐冲击性强：经强烈冲击实验，涂层没有剥落迹象。
1. Strong corrosion resistance: can resist corrosion in salt solution, brine, grease, petroleum solution, alcohol, weak acid and weak base. Moisture and water resistance are very good.
 2. Outdoor: Can resist ultraviolet rays.
 3. Strong abrasion resistance: has good abrasion resistance.
 4. Strong impact resistance: After a strong impact test, the coating showed no signs of flaking.

尼龙-11涂层 Nylon-11 Coating

尼龙-11是具有腐蚀性极强，成功使用在很广泛的应用领域，例如水、泥浆、食品和海水淡化等。

Nylon-11 is highly corrosive and has been successfully used in many applications, such as water, mud, food and desalination.

- 1、户外性：本公司的尼龙-11涂层能通行2000小时盐喷雾测试，沉浸在海水中25余年都没有涂层剥落，因此对金属部件无任何腐蚀。
 - 2、抗磨损性：具有非常好的耐磨损性。
 - 3、抗冲击性：强烈冲击下，都无剥落迹象。
1. Outdoor: The company's nylon-11 coating can pass the 2000-hour salt spray test. The coating has not peeled off after being immersed in sea water for more than 25 years, so it has no corrosion to metal parts.
 2. Abrasion resistance: It has very good abrasion resistance.
 3. Impact resistance: There is no sign of flaking under strong impact.

抗海水腐蚀性涂层 Seawater Resistant Coating

符合FDA美国食品等级带有316L不锈钢粉末的环氧树脂涂层，适用于耐腐蚀环境，满足ASTM B-117, 2000小时盐喷雾测试。

Conforms to FDA US food grade epoxy resin coating with 316L stainless steel powder, suitable for corrosion-resistant environment, meets ASTM B-117, 2000 hours salt water spray test



阀座温度等级 Seat Temperature Class

EPDM (乙丙橡胶)-20°F (-29°C)	250°F (121°C)
BUNA-N (丁腈橡胶)0°F (-18°C)	2120F (100°C)
FKM (氟橡胶)0°F (-18°C)	400°F (204°C)
Polyurethane (聚氨酯)-20°F (-29°C)	176°F (80°C)

EPDM(过氧化氢处理 Hydrogen peroxide treatment)

EPDM是Ethylene Propylene Diene Monomer的英文字母缩写，在一般工业领域，EPDM也有其它的名字，如：EPT、NORDEL、ECD或EPR，这些指的都是EPDM这种材料。

EPDM是本公司提供衬胶蝶阀的标准阀座材料。EPDM是本公司提供的用途广泛，也是较为经济的阀座材料，而且，它的应用领域比BUNA-N更为广泛。另外很重要的一点是本公司提供的EPDM阀座材料都是食品级的。本公司EPDM阀座能够非常完美的适用于卫生级领域和标准工业领域。EPDM也可以作为S20系列的阀板覆盖材料。

EPDM is the English abbreviation of Ethylene Propylene Diene Monomer. In the general industrial field, EPDM also has other names, such as: EPT, NORDEL, ECD or EPR, these refer to the EPDM material.

EPDM is the standard seat material provided by our company for rubber-lined butterfly valves. EPDM is a versatile and economical valve seat material provided by our company, and its application field is more extensive than BUNA-N. Another important point is that the EPDM valve seat materials provided by our company are all food grade. The EPDM valve seat of our company can be perfectly applied to the sanitary level field and the standard industrial field. EPDM can also be used as a cover material for S20 series valve plates.

BUNA-N (黑、白两色 Black and white)

BUNA-N是Nitrile synthetic rubber的通用名。Nitrile是丙烯腈和丁二烯的聚合物。BUNA-N有时也被称作NBR, Nitrile或是Hycar。BUNA-N是一种非常好的常用阀座材料。特别适用于碳氢化合物环境的领域。BUNA是一种标准的阀座材料，同时也是食品级的，适用于卫生领域。另外，BUNA-N也可以作为S20系列轴板的覆盖材料。

BUNA-N is the common name of Nitrile synthetic rubber. Nitrile is a polymer of acrylonitrile and butadiene. BUNA-N is sometimes called NBR, Nitrile or Hycar. BUNA-N is a very good commonly used seat material. Especially suitable for the field of hydrocarbon environment. BUNA is a standard valve seat material, which is also food-grade and suitable for sanitary applications. In addition, BUNA-N can also be used as a covering material for S20 series shaft plates.

氟橡胶 FKM

FKM是ASTMD 1418标准里对Fluorinated hydrocarbon-elastomers (Fluoroelastomers)材料（例如DUPONT生产的VITON即如此类）的指称。FKM有一些很突出的性能，如在耐酸性、耐油性以及温度的耐受范围都要优于标准的阀座材料。FKM is a reference to Fluorinated hydrocarbonelastomers (Fluoroelastomers) materials (such as VITON produced by DUPONT) in ASTMD 1418 standard. FKM has some outstanding properties, such as acid resistance, oil resistance and temperature tolerance range are better than the standard valve seat materials.

聚氨酯 Polyurethane

氨基甲酸酯材料阀座的特性是抗磨损能力强，能合理广泛的应用在许多领域。氨基甲酸酯比其他橡胶例如EPDM和Buna-N具有更好的抗冲击力、变形后的恢复能力和耐磨损能力。

The characteristics of the urethane material valve seat is that it has strong anti-wear ability and can be reasonably and widely used in many fields. Urethane has better impact resistance, recovery ability after deformation and wear resistance than other rubbers such as EPDM and Buna-N.



主密封和第二密封 Primary seal and secondary seal

这类密封完全把流体介质和阀体，阀杆相隔离。主密封是由机械加工和手工抛光的阀板肩部与阀座铸成平面的预紧压接触获得的。第二密封是由阀杆和阀座孔直径的过盈配合获得的。

This type of seal completely isolates the fluid medium from the valve body and valve stem. The main seal is obtained by the pre-pressing contact between the machined and hand-polished valve plate shoulder and the valve seat cast into a flat surface. The second seal is obtained by the interference fit of the diameter of the valve stem and the seat hole.

阀杆 Stem

精密的双扁势阀板与阀杆连接驱动阀板无需螺丝和销钉。紧密配合的双扁势来驱动阀板，此为本公司阀门优越的设计特点。本公司阀门的拆卸只要把阀杆从阀板拔出即可。

The precise double flat valve plate is connected with the stem to drive the valve plate without screws and pins. The tightly matched double flat potential drives the valve plate, which is the superior design feature of the company's valves. To dismantle the valve of our company, just pull out the valve stem from the valve plate.

阀座 Seat

本公司特的舌槽接合式阀座设计，能够完全把阀体与管内介质隔离，具有更低的扭矩。阀座上有模压成一体的O形环，不需要在安装时另加法兰垫片。

The special tongue-and-groove joint seat design of our company can completely isolate the valve body from the medium in the pipe and has a lower torque. There is a molded O-ring on the valve seat, no need to add flange gasket during installation.

阀杆保持圆环 Stem Retaining Ring

不锈钢Spirolox保持圆环把阀杆固定在阀体内。一个止推垫圈和两个C-型圈由标准黄铜制成，也可根据要求提供不锈钢。用专用小工具就可拆卸，可防止阀杆自动拉出。

The stainless steel spirolox retaining ring holds the stem in the body. One thrust washer and two C-rings are made of standard brass or stainless steel as required. It can be disassembled with special tools, which can prevent the stem from pulling out automatically.

阀杆套 Stem Sleeve

抗腐蚀，重负荷醇缩醛阀杆套能吸收侧向推力。
Corrosion-resistant, heavy-duty acetal stem cover can absorb lateral thrust.

阀杆密封 Stem Seal

自调式双“U”杯形填料设计，可保证取双向零泄漏。
The self-adjusting double "U" cup-shaped packing design can ensure zero leakage in both directions.

阀颈 Valve Neck

较长的阀体颈部，可满足50mm管线保温要求，亦有适当距离安装驱动装置功能。

The longer neck of the valve body can meet the requirements of 50mm pipeline insulation, and also has the function of installing the drive device at an appropriate distance.

阀板 Plate

铸件边缘经过球面加工和手工抛光，具有使用寿命长，操作力矩低，气泡密封双向零泄漏。

The edges of the castings are spherically processed and hand-polished, which has a long service life, low operating torque, and zero leakage in both directions.

阀体 Body

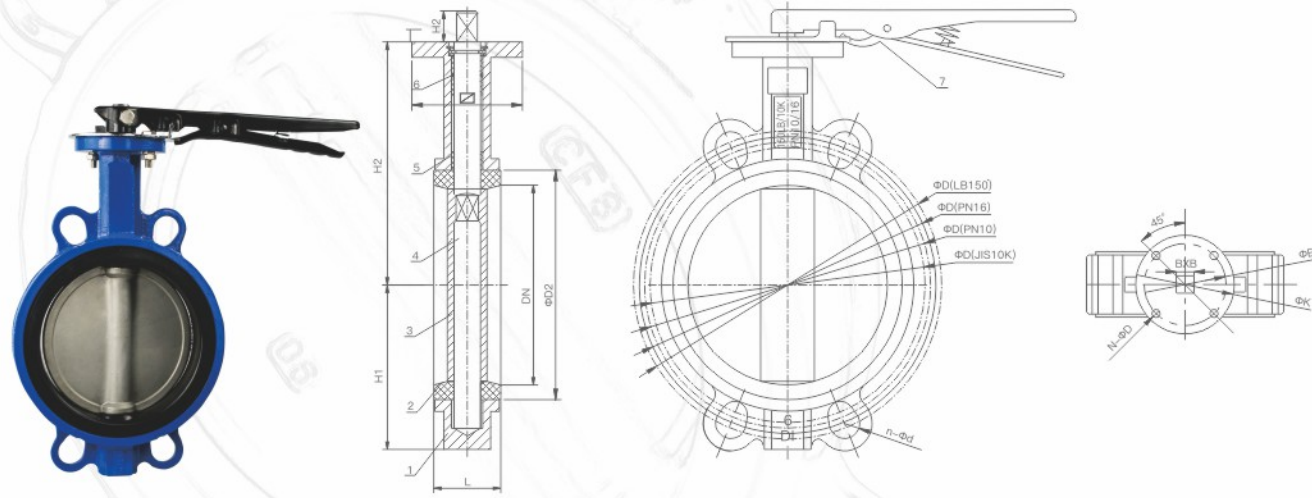
对夹式或支耳式结构形式。聚酯涂层是较好的防腐蚀阀体。可提供尼龙-11涂层。

Wafer or lug structure. Polyester coating is a good anti-corrosion valve body. Nylon-11 coating is available.

标准材料 Standard Material

部件 Part	材料 Material
阀杆 Stem	416不锈钢/304不锈钢/316不锈钢/蒙乃尔K500 416 stainless steel/304 stainless steel/316 stainless steel/Monel K500
阀板 Plate	镍铝青铜/涂磷球墨铸铁/尼龙-11涂层球墨铸铁/涂球墨铸铁/304不锈钢/316不锈钢/双相不锈钢/超级奥氏体不锈钢/哈氏合金 Nickel Aluminum Bronze/Phosphorus Coated Ductile Iron/Nylon-11 Coated Ductile Iron/Coated Ductile Iron/304 Stainless Steel/316 Stainless Steel/Duplex Stainless Steel/Super Austenitic Stainless Steel/Hastelloy
阀座 Seat	丁腈橡胶-食品级/乙丙橡胶-食品级/氟橡胶/白色丁腈橡胶-食品级/乙丙橡胶粘胶/丁腈橡胶粘胶 Nitrile Rubber-Food Grade /Ethylene Propylene Rubber-Food Grade /Fluorine Rubber/White Nitrile Rubber-Food Grade / Ethylene Propylene Rubber Viscose / Nitrile Rubber Viscose
阀体 Body	灰铁/球墨铸铁/碳钢/铝 Gray iron / ductile iron / carbon steel / aluminum



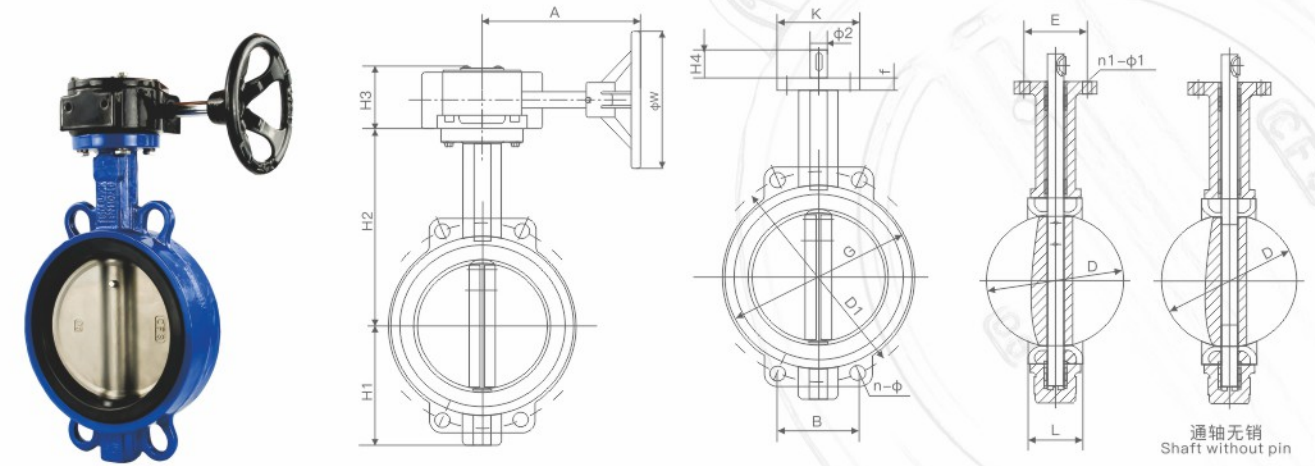


主要外形连接尺寸 Main External Connection Dimensions

D71X-10/16Q, CL150, JIS10K

DN (mm)	L	L1	D	PN1.0		PN1.6		150Lb		10K		D3 法兰 Flange No.	H1	H2	H3
				D1	Z-Φd	D1	Z-Φd	D1	Z-Φd	D1	Z-Φd				
50	42	160	52.9	125	4-23	125	4-23	120.6	4-23	120	4-23	F05	73	125	60
65	44.7	160	64.5	145	4-23	145	4-23	139.7	4-23	140	4-23	F05	82	136	60
80	45.2	160	78.8	160	8-20	160	8-20	152.4	8-23	150	8-23	F05	91	142	60
100	52.1	160	104	180	4-23	180	4-23	190.5	4-23	175	4-23	F07	104	163	60
125	54.4	160	123.3	210	4-23	210	4-23	215.9	4-23	210	4-23	F07	127	176	60
150	55.8	160	155.6	240	4-25	240	4-25	241.3	4-25	240	4-25	F07	138	197	60
200	60.6	210	202.5	295	4-25	295	4-25	298.5	4-25	290	4-25	F10	170	230	72
250	65.6	210	250.5	350	4-28	355	4-28	362	4-28	355	4-28	F10	204	261	72
300	77	210	301.6	400	4-28	410	4-28	432	4-28	400	4-28	F10/12	241	294	75
350	76.5	210	333.3	460	4-30	470	4-30	476	4-30	445	4-30	F10/12	263	335	75
400	86.5	320	389.6	515	4-30	525	4-30	540	4-30	510	4-30	F14/16	309	400	126
450	105.6	320	440.5	565	4-30	585	4-30	578	4-30	565	4-30	F14/16	328	420	126
500	132	320	491.6	620	4-33	650	4-33	635	4-33	620	4-33	F14/16	361	480	126
600	152	340	592.5	725	4-36	770	4-36	749.5	4-36	730	4-36	F16	459	560	127
700	163	380	695	840	24-30	840	24-36	864	28-35	840	24-33	F25	520	624	167
800	188	380	794.7	950	24-33	950	24-39	978	28-41	950	28-33	F25	590	680	167
900	203	400	864.7	1050	28-33	1050	28-39	1086	32-41	1050	28-33	F25	656	720	193
1000	216	400	965	1160	28-36	1170	28-42	1200	36-41	1160	28-39	F25	720	800	193
1200	276	450	1158	1380	32-40	1390	28-49	1422	44-41	1380	32-39	F30	844	941	

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准；产品可按ISO5211国际标准生产。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard; the product can be produced in accordance with ISO5211 international standard.

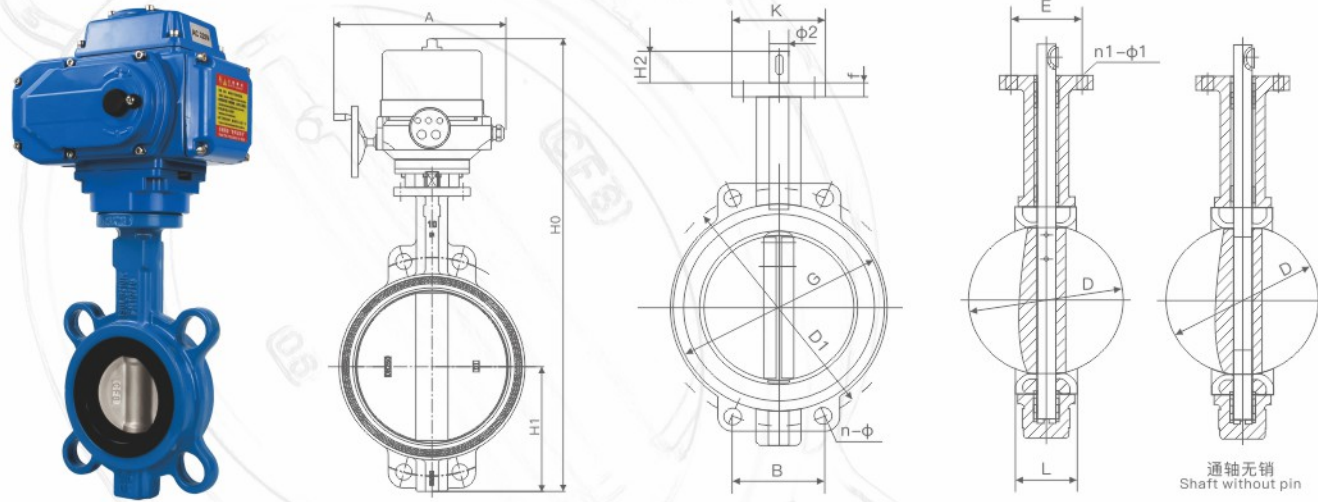


主要外形连接尺寸 Main External Connection Dimensions

D371X-10/16Q

DN (mm)	NPS (in)	L	D	D1	H1	H2	H3	H4	B	n-φ	A	K	E	n1-φ1	φW	φ2	G	f
50	2	43	52.9	120	80	161	66	32	84.84	4-23	160	77	57.15	4-6.7	150	12.6	100	13
65	2.5	46	64.5	136.2	89	175	66	32	96.2	4-26.5	160	77	57.15	4-6.7	150	12.6	120	13
80	3	46	78.8	160	95	181	66	32	61.23	8-18	160	77	57.15	4-6.7	150	12.6	127	13
100	4	52	104	185	114	200	66	32	70.8	4-24.5	160	92	69.85	4-10.3	150	15.77	156	13
125	5	56	123.3	215	127	213	66	32	82.28	4-23	160	92	69.85	4-10.3	150	18.92	190	13
150	6	56	155.6	238	139	226	66	32	91.08	4-25	160	92	69.85	4-10.3	150	18.92	212	13
200	8	60	202.5	295	175	260	82	45	112.89	4-25	240	115	88.9	4-14.3	298	22.1	268	13
									76.35	4-23								
250	10	68	250.5	357	203	292	82	45	92.4	4-29	240	115	88.9	4-14.3	298	28.45	325	13
300	12	78	301.6	407	242	337	84	45	105.34	4-29	225	140	107.95	4-14.3	298	31.6	403	20
350	14	78	333.3	467	267	368	84	45	91.11	4-30	225	140	107.95	4-14.3	298	31.6	436	20
400	16	102	389.6	515	325	400	120	51.2	100.47	4-26	280	197	158.75	4-20.6	300	33.15	488	20
		88		525				72	102.42	4-30								
450	18	114	440.51	565	345	422	120	51.2	88.39	4-26	362	197	158.75	4-20.6	300	37.95	536	20
		107		585				72	91.51	4-30								
500	20	127	491.6	620	378	480	150	64.2	86.99	4-26	362	197	158.75	4-20.6	300	41.15	590	22
				650				82	101.68	4-33								
600	24	154	592.5	725	475	562	150	70.2	113.42	20-30	362	276	215.9	4-22.2	300	50.65	816	22
				770				82	120.46	20-36								

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准；产品可按ISO5211国际标准生产。
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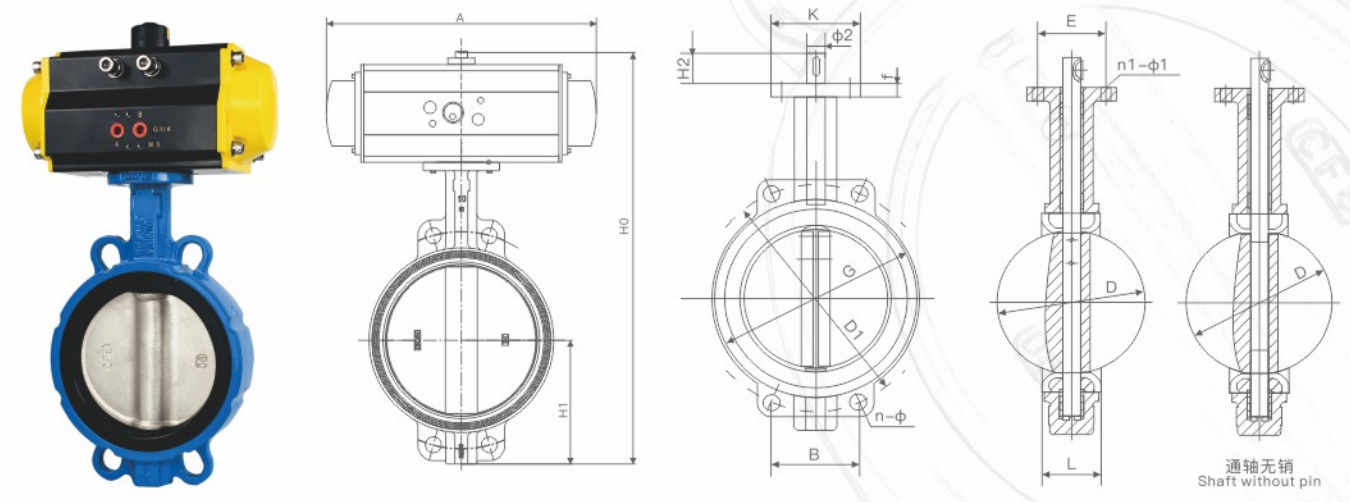


主要外形连接尺寸 Main External Connection Dimensions

D971X-10/16Q

DN (mm)	NPS (in)	L	D	D1	H0	H1	H2	B	n-φ	A	K	E	n1-φ1	φ2	G	f
50	2	43	52.9	120	438	80	32	84.84	4-23	125	77	57.15	4-6.7	12.6	100	13
65	2.5	46	64.5	136.2	453	89	32	96.2	4-26.5	125	77	57.15	4-6.7	12.6	120	13
80	3	46	78.8	160	478	95	32	61.23	8-18	125	77	57.15	4-6.7	12.6	127	13
100	4	52	104	185	519	114	32	70.8	4-24.5	125	92	69.85	4-10.3	15.77	156	13
125	5	56	123.3	215	716	127	32	82.28	4-23	325	92	69.85	4-10.3	18.92	190	13
150	6	56	155.6	238	749	139	32	91.08	4-25	325	92	69.85	4-10.3	18.92	212	13
200	8	60	202.5	295	843	175	45	112.89	4-25	325	115	88.9	4-14.3	22.1	268	13
								76.35	4-23							
250	10	68	250.5	357	947	203	45	92.4	4-29	363	115	88.9	4-14.3	28.45	325	13
300	12	78	301.6	407	1013	242	45	105.34	4-29	636	140	107.95	4-14.3	31.6	403	20
350	14	78	333.3	467	1046	267	45	91.11	4-30	363	140	107.95	4-14.3	31.6	436	20
400	16	102	389.6	515	1135	325	51.2	100.47	4-26	363	197	158.75	4-20.6	33.15	488	20
		88		525			72	102.42	4-30							
450	18	114	440.51	565	1328	345	51.2	88.39	4-26	465	197	158.75	4-20.6	37.95	536	20
		107		585			72	91.51	4-30							
500	20	127	491.6	620	1226	378	64.2	86.99	4-26	546	197	158.75	4-20.6	41.15	590	22
				650			82	101.68	4-33							
600	24	154	592.5	725	1394	475	70.2	113.42	20-30	546	276	215.9	4-22.2	50.65	816	22
				770			82	120.46	20-36							
700	28	165	695	840	1534	535	66	109.65	24-30	546	300	254	8-18	63.35	895	30
800	32	190	794.7	950	1659	606	82	124	24-33	546	300	254	8-18	63.35	1015	30
900	36	203	870	1050	1748	670	118	117.57	24-33	617	300	254	8-18	75	1115	34
1000	40	216	970	1160	1805	735	142	129.89	24-36	632	300	254	8-18	85	1230	35
1200	48	276	1160	1380	2035	878	150	101.5	32-39	632	350	298	8-22	105	1455	35

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准；产品可按ISO5211国际标准生产。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard; the product can be produced in accordance with ISO5211 international standard.



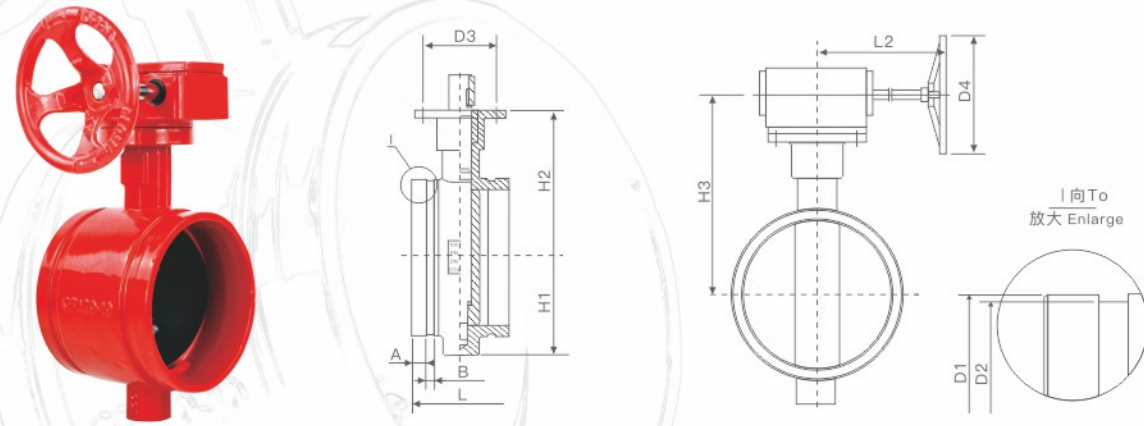
主要外形连接尺寸 Main External Connection Dimensions

D671X-10/16Q

DN (mm)	NPS (in)	L	D	D1	H0	H1	H2	B	n-φ	A	K	E	n1-φ1	φ2	G	f
50	2	43	52.9	120	315	80	32	84.84	4-23	180	77	57.15	4-6.7	12.6	100	13
65	2.5	46	64.5	136.2	330	89	32	96.2	4-26.5	180	77	57.15	4-6.7	12.6	120	13
80	3	46	78.8	160	390	95	32	61.23	8-18	240	77	57.15	4-6.7	12.6	127	13
100	4	52	104	185	431	114	32	70.8	4-24.5	240	92	69.85	4-10.3	15.77	156	13
125	5	56	123.3	215	455	127	32	82.28	4-23	240	92	69.85	4-10.3	18.92	190	13
150	6	56	155.6	238	626	139	32	91.08	4-25	350	92	69.85	4-10.3	18.92	212	13
200	8	60	202.5	295	720	175	45	112.89	4-25	350	115	88.9	4-14.3	22.1	268	13
								76.35	4-23							
250	10	68	250.5	357	800	203	45	92.4	4-29	550	115	88.9	4-14.3	28.45	325	13
300	12	78	301.6	407	860	242	45	105.34	4-29	600	140	107.95	4-14.3	31.6	403	20
350	14	78	333.3	467	883	267	45	91.11	4-30	600	140	107.95	4-14.3	31.6	436	20
400	16	102	389.6	515	972	325	51.2	100.47	4-26	600	197	158.75	4-20.6	33.15	488	20
		88		525			72	102.42	4-30							
450	18	114	440.51	565	1043	345	51.2	88.39	4-26	750	197	158.75	4-20.6	37.95	536	20
		107		585			72	91.51	4-30							
500	20	127	491.6	620	1098	378	64.2	86.99	4-26	750	197	158.75	4-20.6	41.15	590	22
				650			82	101.68	4-33							
600	24	154	592.5	725	1236	475	70.2	113.42	20-30	750	276	215.9	4-22.2	50.65	816	22
				770			82	120.46	20-36							
700	28	165	695	840	1431	535	66	109.65	24-30	750	300	254	8-18	63.35	895	30
800	32	190	794.7	950	1488	606	82	124	24-33	750	300	254	8-18	63.35	1015	30
900	36	203	870	1050	1615	670	118	117.57	24-33	1250	300	254	8-18	75	1115	34
1000	40	216	970	1160	1765	735	142	129.89	24-36	1500	300	254	8-18	85	1230	35
1200	48	276	1160	1380	1976	878	150	101.5	32-39	1500	350	298	8-22	105	1455	35

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准；产品可按ISO5211国际标准生产。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard; the product can be produced in accordance with ISO5211 international standard.

WORM GROOVE BUTTERFLY VALVE
D381X 蜗轮沟槽蝶阀



产品概述 Product Overview

D381X蜗轮沟槽蝶阀是一种新型连接方式之蝶阀，它具有安装简易、省材、快速、节省空间等优点，广泛适用于市政、民建、工业等给排水及消防系统。
D381X Worm grooved butterfly valve is a new type of butterfly valve. It has the advantages of simple installation, material saving, fast and space saving. It is widely used in municipal, civil and industrial water supply and drainage and fire fighting systems.

产品特点 Production Features

1. 阀门采用中线型密封结构设计，扭矩轻，密封性能好；
 2. 蝶板、阀杆采用无销设计连接，连接可靠性好；
 3. 蝶板整体采用包胶硫化，耐腐蚀性好；
 4. 阀门与管道的连接采用卡箍连接形式，安装方便、快速；
 5. 阀门的驱动方式多样化，可配置把手操作、蜗轮蜗杆操作、电动及气动操作方式。
1. The valve is designed with medium linear sealing structure, light torque and good sealing performance;
 2. The butterfly plate and valve rod are connected by pin free design, with good connection reliability;
 3. The whole butterfly plate is vulcanized with rubber, which has good corrosion resistance;
 4. The connection between the valve and the pipeline adopts the form of clamp connection, which is convenient and fast for installation;
 5. The driving mode of the valve is diversified, and it can be configured with handle operation, worm wheel operation, electric and pneumatic operation modes.

主要技术规范 Main Technical Specifications

公称通径 Nominal diameter	DN50~DN200mm
公称压力 Nominal pressure	1.0/1.6MPa
壳体试验压力 Shell test pressure	1.5/2.4MPa
密封试验压力 Seal test pressure	1.1/1.76MPa

主要零件材质 Main Part Materials

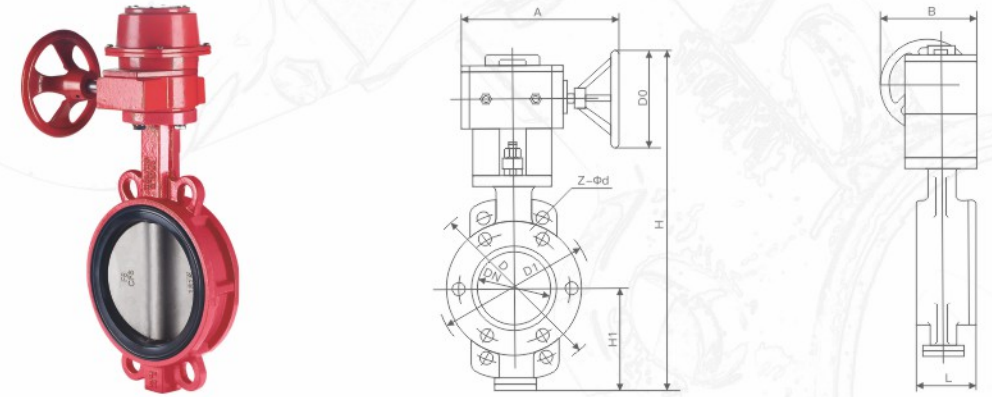
阀体 Body	QT450-10
蝶板 Disc	QT450-10 (整体包敷橡胶 Overall rubber coating)
阀杆 Stem	2Cr13
内外表面涂装 Internal and external surface coating	环氧树脂烤漆涂装或内衬搪瓷 Epoxy paint or enamel lining

主要外形连接尺寸 Main External Connection Dimensions

单位: mm

DN (mm)	L	H1	H2	H3	A	B	D1	D2	D3	D4	L2	沟槽型号	
50	85	45	90	130	16	8	57	53.9	50(F05)	150	150	X	
							60.3	57.2				Y	
80	98	65	112	152			88.9	85	50(F05)	150	150	X	
100	116	79	121	161			108	103.7	70(F07)	150	150	X	
125	149	93	148	188		9.5	114.3	110.1	70(F07)	150	150	150	Y
							133	129.1					X
					139.7		135.5	70(F07)	150	150	150	Y	
					141.3		137					Z	
150	149	106	156	191	9.5	159	154.5	102(F10)	220	190	190	X	
						165.1	160.8					Y	
						168.3	164					Z	
200	134	137	205	254.5	19	11.1	219.1	214.4	102(F10)	300	240	X	

FIRE SIGNAL WAFER TYPE BUTTERFLY VALVE
XD371X 消防信号对夹式蝶阀



主要技术参数 Main Technical Parameters

型号 Model	XD371X-10/16/25Q/C		
公称压力(PN) Nominal pressure	10	16	25
密封试验(MPa) Sealing test	1.1	1.76	2.75
壳体压力(MPa) Shell pressure	1.5	2.4	3.75
适用温度(≤℃) Applicable temperature	80		
适用介质 Applicable medium	水 Water		

主要零件材质 Main Part Materials

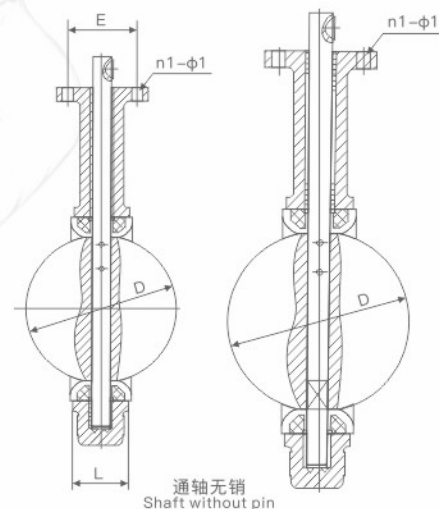
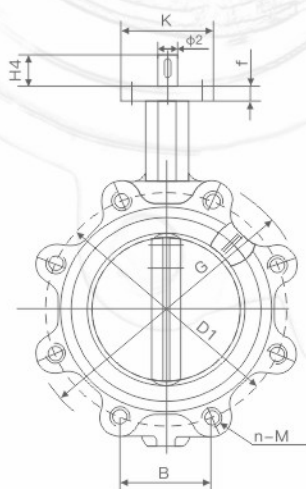
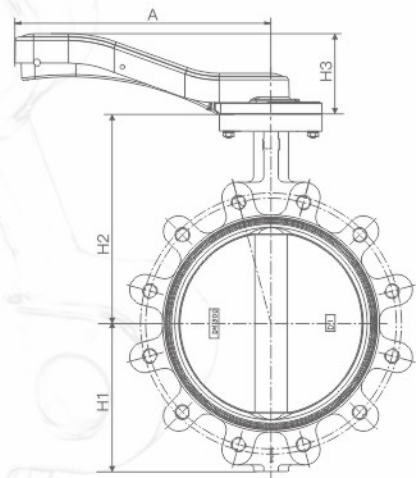
零件名称 Part name	材料 Material
阀体 Body	球铁/铸钢 Ductile iron/cast steel
蝶板 Disc	球铁/不锈钢 Ductile iron/stainless steel
密封圈 Seal ring	橡胶 Rubber
阀杆 Stem	不锈钢 Stainless steel

主要外形连接尺寸 Main External Connection Dimensions

XD371X-10/16/25Q/C

DN	L	PN10		PN16		PN25		H	H1
		D1	Z-Φd	D1	Z-Φd	D1	Z-Φd		
50	43	125	4-18	125	4-18	125	4-18	160	80
65	46	145	4-18	145	4-18	145	4-18	175	88
80	46	160	4-18	160	4-18	160	4-18	180	96
100	52	180	4-18	180	4-18	190	4-22	200	115
125	56	210	4-18	210	4-18	220	4-26	213	128
150	56	240	4-22	240	4-22	250	4-26	225	140
200	60	295	4-22	295	4-22	310	4-M24	260	175
250	68	350	4-22	355	4-26	370	4-M27	290	202
300	78	400	4-22	410	4-26	430	4-M27	330	242
350	78	460	4-22	470	4-26	490	4-M30	415	308
400	102	515	4-26	525	4-30	550	4-M33	460	348

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard.

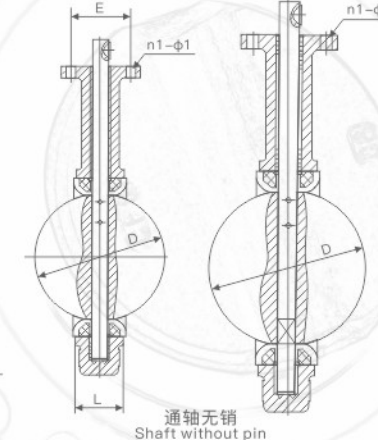
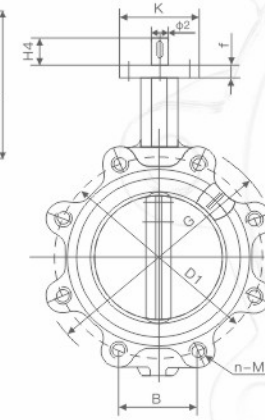
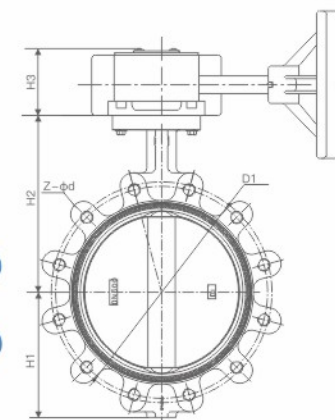


主要外形连接尺寸 Main External Connection Dimensions

D7L1X-10/16Q

DN (mm)	NPS (in)	L	D	D1	H1	H2	H3	H4	B	n-M	A	K	E	n1-φ1	φ2	G	f	
50	2	43	52.9	125	80	161	95	32	88.38	4-M16	215	77	57.15	4-6.7	12.6	155	13	
65	2.5	46	64.5	145	89	175	95	32	102.54	4-M16	215	77	57.15	4-6.7	12.6	179	13	
80	3	46	78.8	160	95	181	95	32	61.23	8-M16	215	77	57.15	4-6.7	12.6	190	13	
100	4	52	104	180	114	200	95	32	68.88	8-M16	215	92	69.85	4-10.3	15.77	220	13	
125	5	56	123.3	210	127	213	95	32	80.36	8-M16	215	92	69.85	4-10.3	18.92	254	13	
150	6	56	155.6	240	139	226	95	32	91.84	8-M20	215	92	69.85	4-10.3	18.92	285	13	
200	8	60	202.5	295	175	260	175	45	112.89	8-M20	215	115	88.9	4-14.3	22.1	339	298	13
				355					76.35	12-M20								
250	10	68	250.5	350	203	292	203	45	90.59	12-M20	215	115	88.9	4-14.3	28.45	406	298	13
				410					91.88	12-M24								
300	12	78	301.6	400	242	337	242	45	103.52	12-M20	215	140	107.95	4-14.3	31.6	477	298	20
				410					106.12	12-M24								
350	14	78	333.3	460	267	368	288	45	89.74	16-M20	215	140	107.95	4-14.3	31.6	515	298	20
				470					91.69	16-M24								
400	16	102	389.6	515	325	400	331	51.2	100.48	16-M24	215	197	158.75	4-20.6	33.15	579	300	20
				88					72	16-M27								
450	18	114	440.51	565	345	422	355	51.2	88.38	20-M24	215	197	158.75	4-20.6	37.95	627	300	20
				107					72	20-M24								
500	20	127	491.6	650	378	480	388	64.2	101.68	20-M30	215	197	158.75	4-20.6	41.15	696	300	22
				585					82	20-M27								
600	24	154	592.5	725	475	562	475	70.2	113.42	20-M27	215	276	215.9	4-22.2	50.65	821	300	22
				770					82	20-M33								

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准；产品可按ISO5211国际标准生产。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard; the product can be produced in accordance with ISO5211 international standard.



主要外形连接尺寸 Main External Connection Dimensions

D37L1X-10/16Q

DN (mm)	NPS (in)	L	D	D1	H1	H2	H3	H4	B	n-M	K	E	n1-φ1	φ2	G	φE	f
50	2	43	52.9	125	80	161	80	32	88.38	4-M16	77	57.15	4-6.7	12.6	155	150	13
65	2.5	46	64.5	145	89	175	89	32	102.54	4-M16	77	57.15	4-6.7	12.6	179	150	13
80	3	46	78.8	160	95	181	95	32	61.23	8-M16	77	57.15	4-6.7	12.6	190	150	13
100	4	52	104	180	114	200	114	32	68.88	8-M16	92	69.85	4-10.3	15.77	220	150	13
125	5	56	123.3	210	127	213	127	32	80.36	8-M16	92	69.85	4-10.3	18.92	254	150	13
150	6	56	155.6	240	139	226	139	32	91.84	8-M20	92	69.85	4-10.3	18.92	285	150	13
200	8	60	202.5	295	175	260	175	45	112.89	8-M20	115	88.9	4-14.3	22.1	339	298	13
				355					76.35	12-M20							
250	10	68	250.5	350	203	292	203	45	90.59	12-M20	115	88.9	4-14.3	28.45	406	298	13
				410					91.88	12-M24							
300	12	78	301.6	400	242	337	242	45	103.52	12-M20	140	107.95	4-14.3	31.6	477	298	20
				410					106.12	12-M24							
350	14	78	333.3	460	267	368	288	45	89.74	16-M20	140	107.95	4-14.3	31.6	515	298	20
				470					91.69	16-M24							
400	16	102	389.6	515	325	400	331	51.2	100.48	16-M24	197	158.75	4-20.6	33.15	579	300	20
				88					72	16-M27							
450	18	114	440.51	565	345	422	355	51.2	88.38	20-M24	197	158.75	4-20.6	37.95	627	300	20
				107					72	20-M24							
500	20	127	491.6	650	378	480	388	64.2	101.68	20-M30	197	158.75	4-20.6	41.15	696	300	22
				585					82	20-M27							
600	24	154	592.5	725	475	562	475	70.2	113.42	20-M27	276	215.9	4-22.2	50.65	821	300	22
				770					82	20-M33							

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准；产品可按ISO5211国际标准生产。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard; the product can be produced in accordance with ISO5211 international standard.

产品概述 Product Overview

衬氟对夹蝶阀可适用于任何浓度的酸、碱、盐及氧化剂、还原剂、有机溶剂等介质，是化工、石油、医药、食品、钢铁冶炼、造纸、水电等系统的气体、液体、半流体的管路和容器上作截流和调节设备使用的理想产品。

Fluorine lined wafer butterfly valve can be applied to any concentration of acid, alkali, salt, oxidant, reducing agent, organic solvent and other media, is the chemical industry, petroleum, medicine, food, iron and steel smelting, papermaking, water and other systems on the gas, liquid, semi-fluid pipeline and containers for closure and regulation equipment use ideal products.

产品特点 Product Features

1. 体积小、重量轻、操作轻巧、便于安装、维修；
2. 密封性能优良可靠、零泄漏，使用寿命长；
3. 流量特性趋于直线，调节性能最优；
4. 结构简单，开关迅速，90°旋转启闭。
5. 可代替闸阀、截止阀、旋塞阀、胶管阀及隔膜阀等各种阀的使用；
6. 可根据用户需求配置气动、电动装置、满足遥控和程控的需要。

1. Small volume, light weight, light operation, easy to installation, maintenance;
2. Good sealing performance and reliable, zero leakage, long service life.
3. Flow curve tending to straight line, the optimal regulation performance;
4. Simple structure, rapid switch, 90° rotating opening and closing.
5. Can replace gate valve, globe valve, plug valve, hose valve, and the use of diaphragm valves and other valves;
6. Can according to user needs a pneumatic, electric actuator, meet the needs of the remote control and programmed control.

执行标准 Execution Standard

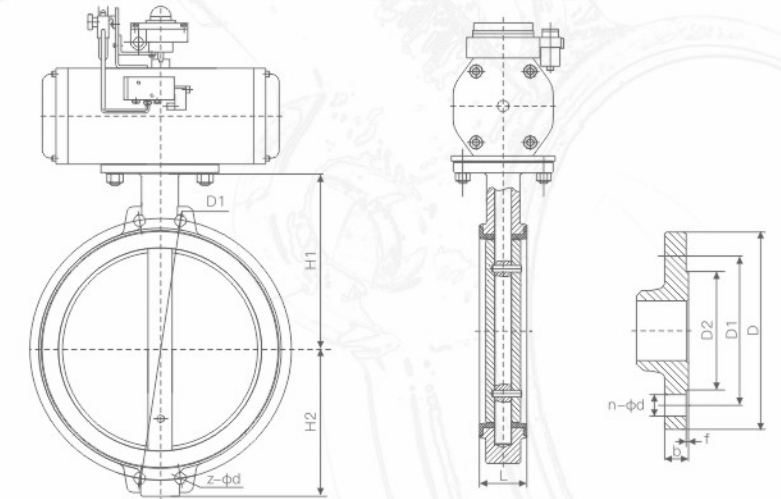
产品规范 Product specification	设计规范 Design spec	结构长度 Face to Face	连接法兰 Flange end	试验与检验 Test & check
	HG/T 3704	GB/T12221	HG/T 20592 GB/T9113	GB/T13927 GB/T26480

主要性能规范 Main Performance Specifications

型号 Model	公称压力 PN(MPa)	试验压力Ps(MPa) Test pressure		工作温度(°C) Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
D371F4-10	1.0	1.5	1.1	-30~180	硫酸、氢氟酸、磷酸、氯气、苯、强碱、王水、强氧化剂等具有强腐蚀性的介质 Sulfuric acid, hydrofluoric acid, phosphoric acid, chlorine, benzene, alkali, wang, strong oxygen agents have the corrosive medium
D371F4-16	1.6	2.4	1.5	-30~180	
D371F46-10	1.0	1.5	1.1	-30~160	
D371F46-16	1.6	2.4	1.5	-30~160	

主要零件材料 Main Parts Material

型号 Model	零件名称 Part name	阀体 Body	蝶板 Dish plate	阀轴 Shaft	密封挡圈 Seal retainer	填料 Filling lining	蜗轮 Worm gear
D671F4-10/16	材料 Materials	碳钢衬 聚四氟乙烯(F4) Carbon steel lining PTFE(F4)	碳钢衬外衬 聚四氟乙烯(F4) Carbon steel Sand core lining PTFE(F4)	2Cr13	聚四氟乙烯 F4PTFE(F4)	硅橡胶 Silicone rubber	灰铸铁、 球墨铸铁 Grey cast iron, nodular cast iron
D671F46-10/16		碳钢衬 聚全氟乙丙烯(F46) Carbon steel lining PFEP(F46)	碳钢衬外衬 聚全氟乙丙烯(F46) Carbon steel Sand core lining PFEP(F46)				



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

公称通径 DN(mm)	对夹式 Wafer type						公称通径 DN(mm)	法兰式 Flange type					
	PN1.6MPa							PN1.6MPa					
	L	H1	H2	D1	4-M(d)	L		H1	H2	D	D1	D2	n-φd
50	43	75	130	125	4-φ19	100	127	122	160	220	180	156	8-φ19
65	46	90	140	145	4-φ19	125	140	138	180	250	210	184	8-φ19
80	46	95	160	160	4-φ19	150	140	158	200	285	240	211	8-φ23
100	52	105	180	180	4-φ19	200	152	188	220	340	295	255	12-φ23
125	56	135	200	210	4-φ19	250	165	224	260	405	355	319	12-φ28
150	56	145	220	240	4-φ23	300	178	254	290	460	410	370	12-φ28
200	60	175	260	295	4-φ23	350	190	288	340	520	470	429	16-φ28
250	68	205	290	350	4-φ28	400	216	305	370	580	525	480	16-φ31
300	78	245	340	410	4-φ28	450	222	340	742	640	585	548	20-φ31
350	78	275	370	470	4-φ28	500	229	372	742	715	650	609	20-φ37
400	102	305	400	525	4-φ31	600	267	440	922	840	770	720	20-φ37

阀杆卡簧固定环组合 Stem Retaining Ring Combination

阀杆由不锈钢“Spixrolox”卡簧固定于阀体内，一个止推垫片和两个C环，由标准的铜材料制成，如需不锈钢也可提供。用专用小工具就可拆卸卡簧。阀杆固定组合能防止作业中阀杆自动拉出。

The valve stem is fixed in the valve body by the stainless steel "Spixrolox" circlip, a thrust washer and two C rings are made of standard copper material, and stainless steel is also available if required. The circlip can be removed with a special small tool. The fixed combination of valve stems can prevent the valve stems from automatically pulling out during operation.

阀杆轴承 Stem Bearing

抗腐蚀。醇缩醛阀杆套能吸收重负荷时的侧向推力。
Anti-corrosion. The acetal stem sleeve can absorb the lateral thrust under heavy load.

阀杆密封 Stem Seal

自调式“U”杯形填料设计，可保证双向绝对密封。防止外来物质进入阀杆腔内。

Self-adjusting "U" cup-shaped packing design can ensure two-way absolute sealing. Prevent foreign materials from entering the stem cavity.

阀颈 Valve Neck

较长的阀体颈部，可满足50mm管线保温要求，亦有适当距离安装驱动装置功能。

The longer neck of the valve body can meet the requirements of 50mm pipeline insulation, and also has the function of installing the drive device at an appropriate distance.

阀杆 Stem

精密的双扁势阀板与阀杆连接驱动阀板无需螺丝和销钉。
The precise double flat valve plate is connected with the valve stem to drive the valve plate without screws and pins.

阀座 Seat

舌槽接台式阀座设计，能够完全把阀体与管内介质隔离，具有更低的扭矩。阀座上有模压成一体O形环，不需要在安装时另加法兰垫片。

Tongue groove is connected to the table seat design, which can completely isolate the valve body from the medium in the pipe, with lower torque. There is a molded O-ring on the valve seat, no need to add flange gasket during installation.

主密封和第二密封 Primary seal and secondary seal

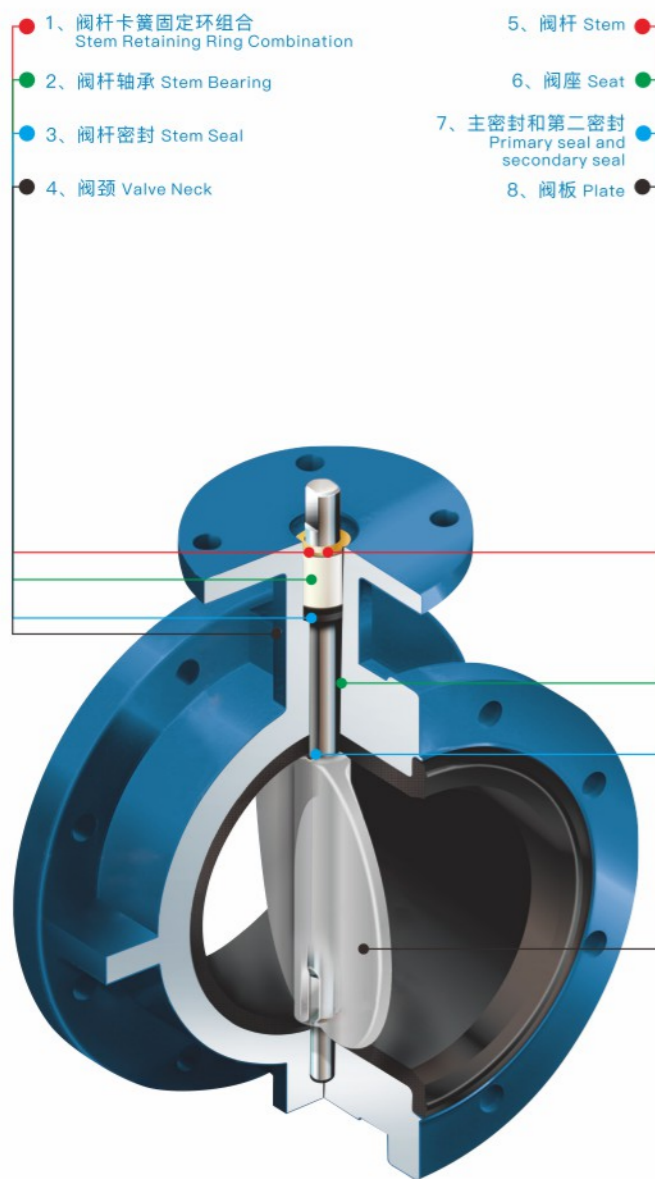
这类密封完全把流体介质和阀体，阀杆相隔离。主密封是由机械加工和手工抛光的阀板肩部与阀座铸成平面的预紧压接触获得的。第二密封是由阀杆和阀座孔直径的过盈配合获得的。

This type of seal completely isolates the fluid medium from the valve body and valve stem. The main seal is obtained by the pre-pressing contact between the machined and hand-polished valve plate shoulder and the valve seat cast into a flat surface. The second seal is obtained by the interference fit of the diameter of the valve stem and the seat hole.

阀板 Plate

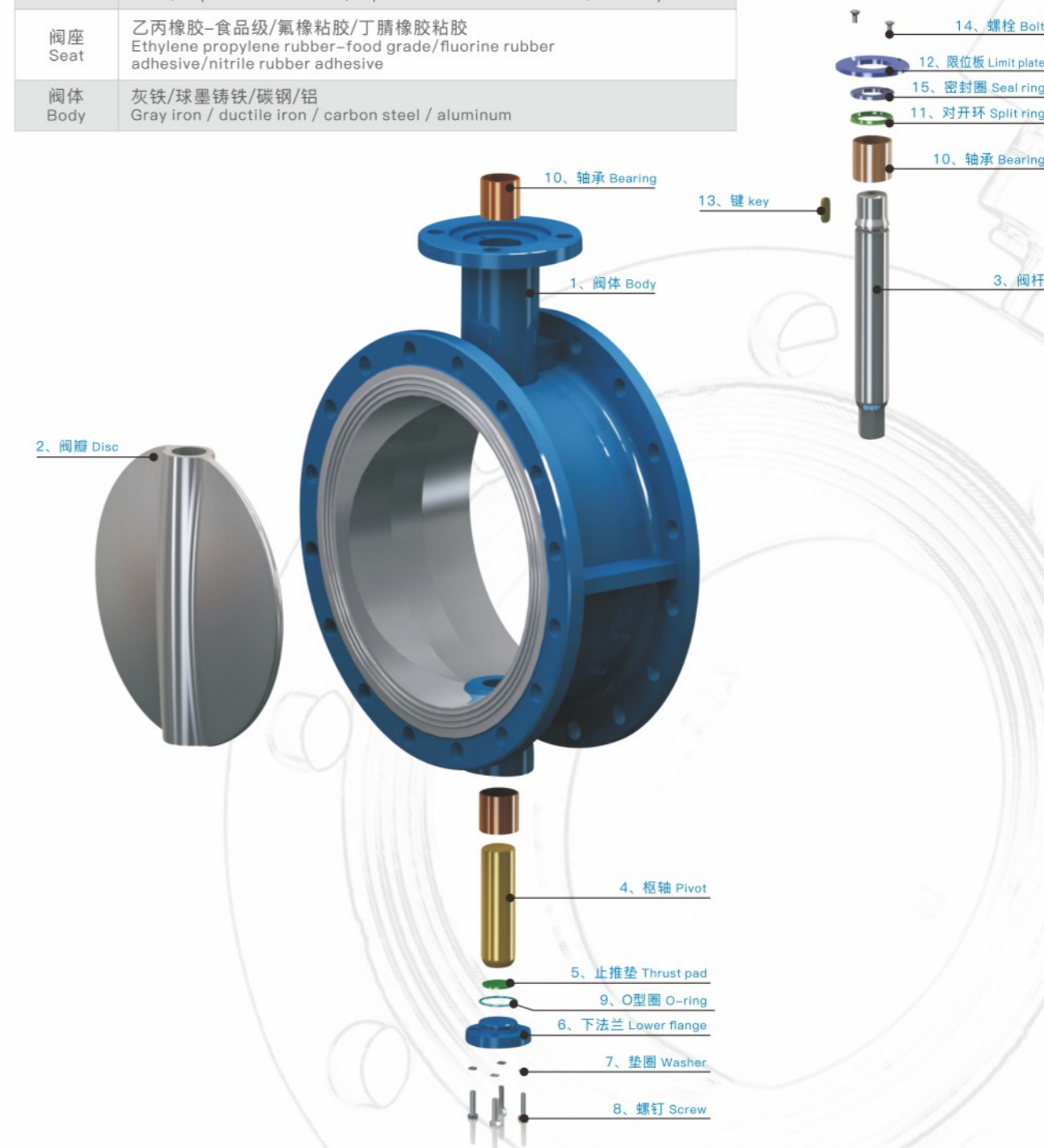
铸件经过球面机加工和手工抛光，提供了双向气泡级紧急关闭密封，提供了较小的扭矩和更长的阀座使用寿命。

The castings are machined and hand polished to provide a two-way bubble level emergency closure seal with a smaller torque and longer seat life.



标准材料 Standard Material

部件 Part	材料 Material
阀杆 Stem	416不锈钢/304不锈钢/316不锈钢/蒙乃尔K500 416 stainless steel/304 stainless steel/316 stainless steel/Monel K500
阀板 Plate	镍铝青铜/涂磷球墨铸铁/尼龙-11涂层球墨铸铁/涂层球墨铸铁/304不锈钢/316不锈钢/双相不锈钢/超级奥氏体不锈钢/哈氏合金 Nickel Aluminum Bronze/Phosphorus Coated Ductile Iron/Nylon-11 Coated Ductile Iron/Coated Ductile Iron/304 Stainless Steel/316 Stainless Steel/Duplex Stainless Steel/Super Austenitic Stainless Steel/Hastelloy
阀座 Seat	乙丙橡胶-食品级/氟橡胶/丁腈橡胶 Ethylene propylene rubber-food grade/fluorine rubber adhesive/nitrile rubber adhesive
阀体 Body	灰铁/球墨铸铁/碳钢/铝 Gray iron / ductile iron / carbon steel / aluminum



注：此显示为双法兰RF零部件。Note: This display is a double flange RF component.

产品用途 Production Use

软密封法兰蝶阀适用于温度 $\leq 120^{\circ}\text{C}$ ，公称压力 $\leq 1.6\text{MPa}$ 的食品、医药、化工、石油、电力、轻纺、造纸等给排水、气体管道上作调节流量和截流介质的作用。

The soft sealing flange butterfly valve is suitable for regulating the flow and intercepting medium on the water supply and drainage, gas pipelines of food, medicine, chemical industry, petroleum, electric power, light textile, paper making, etc. with temperature $\leq 120^{\circ}\text{C}$ and nominal pressure $\leq 1.6\text{MPa}$

产品特点 Production Features

- 1、设计新颖、合理，结构独特，重量轻，启闭迅速；
- 2、操作力矩小，操作方便，省力灵巧；
- 3、可以任何位置安装、维修方便；
- 4、密封件可以更换，密封性能可靠达到双向密封零泄漏；
- 5、密封材料耐老化、耐腐蚀，使用寿命长等特点。

1. Novel design, reasonable, unique structure, light weight, rapid opening and closing;
2. Small operation torque, easy to operate, saving smart;
3. Can any position installation, maintenance is convenient;
4. Seal can be replaced, sealed performance is reliable to achieve two-way sealing zero leakage;
5. Sealing material ageing resistance, corrosion resistance, long service life, etc.

产品执行标准 Production Standard Adopted

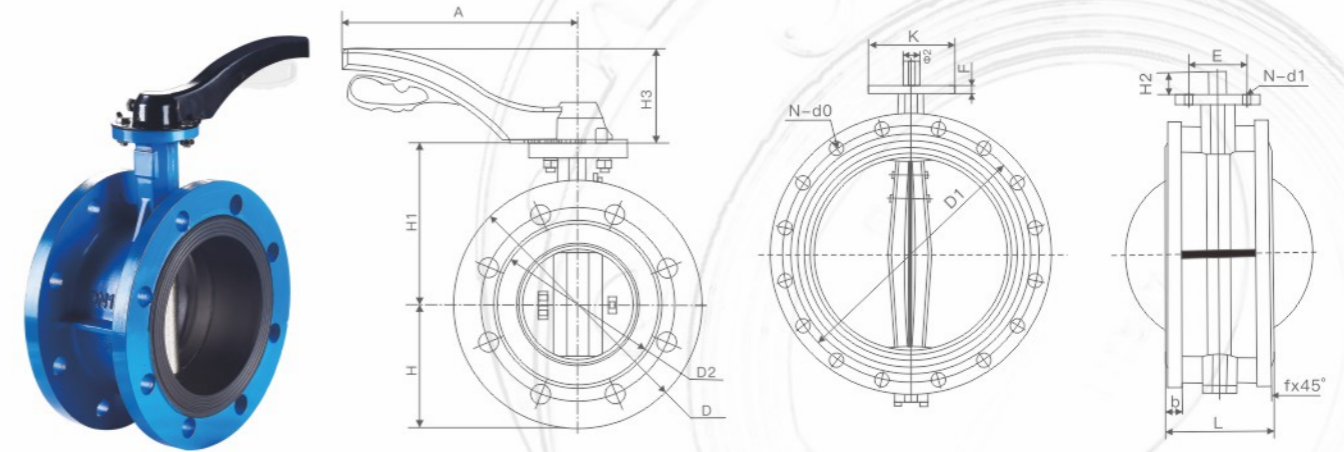
产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check
	GB/T12238	GB/T12221	GB/T9113	JB/T9092 GB/T13927

产品性能规范 Products Performance Specification

公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6
试验压力 Test pressure PN(MPa)	强度试验 Strength test	0.9	1.5	2.4
	密封试验 Sealing test	0.66	1.1	1.76
	气密封试验 Gas seal test	0.6	0.6	0.6
适用介质 Applicable medium	空气、水、污水、蒸气、煤气、油品等 Air, water, sewage, steam, gas, oil, etc			
驱动形式 Drive form	手动、蜗杆蜗轮传动、气传动、电传动 Manual, worm, worm gear drive, gas drive, the electric transmission			

主要零件材质 Main Part Materials

零件名称 Part name	材料 Material
阀体 Body	铸铁、球墨铸铁、碳钢、不锈钢 Cast iron, nodular cast iron, carbon steel, SS
阀板 Gate	灰铸铁、球墨铸铁、铸钢、不锈钢及特殊材料 Gray cast iron, ductile cast iron, cast steel, stainless steel and special materials
密封圈 Seal ring	球墨铸铁、铸钢、合金钢、不锈钢 Ductile cast iron, cast steel, alloy steel, stainless steel
阀杆 Stem	2Cr13、不锈钢 Cast steel
填料 Packing	O型圈、柔性石墨 O-rings, flexible graphite

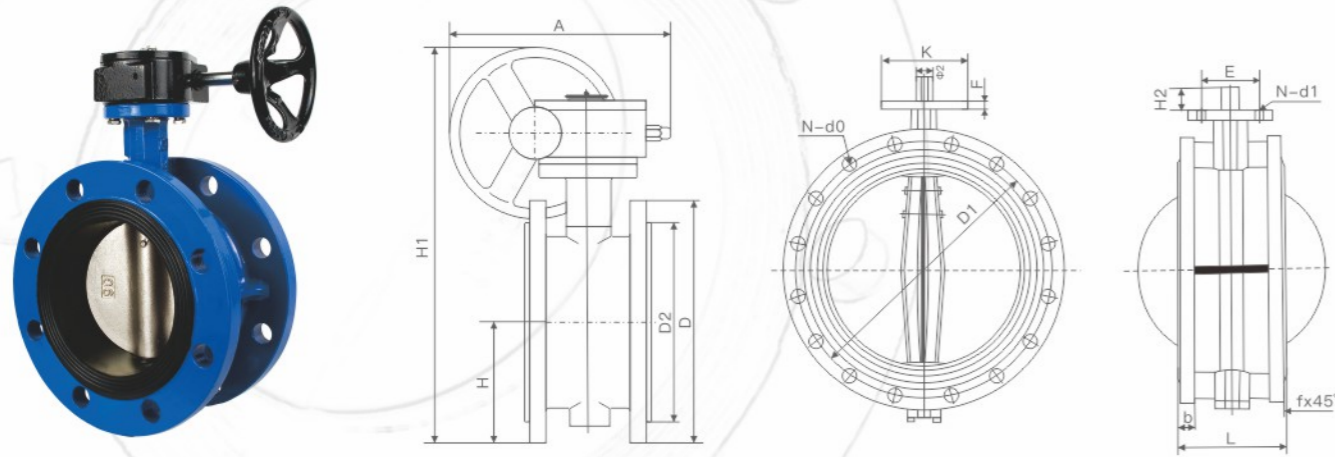


主要外形连接尺寸 Main External Connection Dimensions

D41X-16Q

DN	50	65	80	100	125	150
L	108	112	114	127	140	140
D	165	185	200	220	250	285
D1	125	145	160	180	210	240
D2	102	122	138	158	188	212
b	18	18	20	20	22	22
f	3	3	3	3	3	3
N-d0	4- $\Phi 18$	8- $\Phi 18$	8- $\Phi 18$	8- $\Phi 18$	8- $\Phi 18$	8- $\Phi 22$
A	215	215	215	215	215	215
K	65	65	65	90	90	90
E	50	50	50	70	70	70
F	13	13	13	13	13	13
H	83	93	100	114	125	143
H1	110	134	131	150	170	180
H2	28	28	28	28	28	28
H3	95	95	95	95	95	95
$\Phi 2$	12.6	12.6	12.6	15.77	18.92	18.92
N-d1	4- $\Phi 7$	4- $\Phi 7$	4- $\Phi 7$	4- $\Phi 10$	4- $\Phi 10$	4- $\Phi 10$

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard.

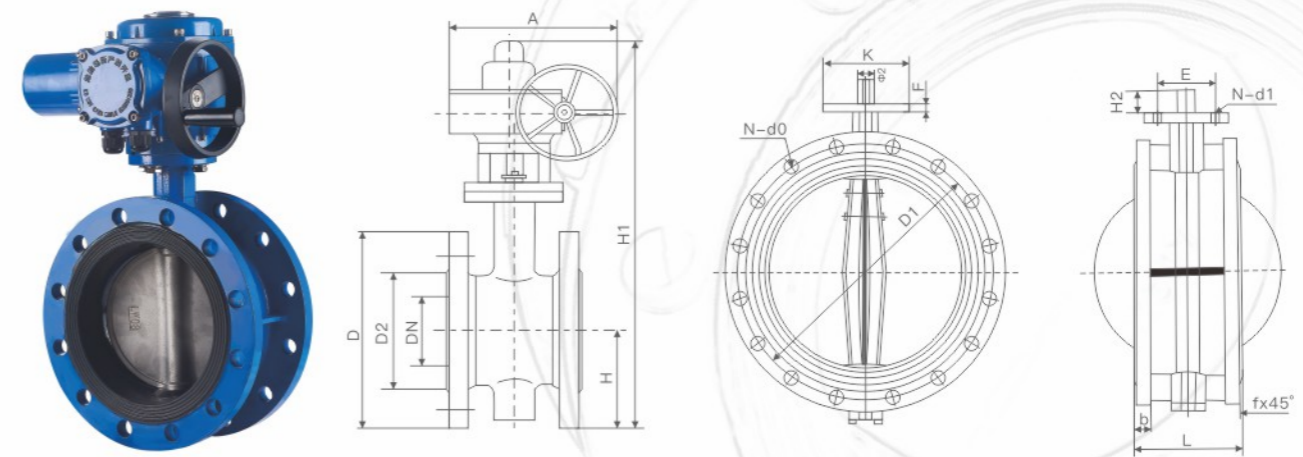


主要外形连接尺寸 Main External Connection Dimensions

D341X-16Q

DN	L	D	D1	D2	b	f	N-d0	A	K	E	F	H	H1	H2	Φ2	N-d1
50	108	165	125	102	18	3	4-Φ18	180	65	50	13	83	338	28	12.6	4-Φ7
65	112	185	145	122	18	3	8-Φ18	180	65	50	13	93	358	28	12.6	4-Φ7
80	114	200	160	138	20	3	8-Φ18	245	65	50	13	100	413	28	12.6	4-Φ7
100	127	220	180	158	20	3	8-Φ18	240	90	70	13	114	428	28	15.77	4-Φ10
125	140	250	210	188	22	3	8-Φ18	240	90	70	13	125	444	28	18.92	4-Φ10
150	140	285	240	212	22	3	8-Φ22	350	90	70	13	143	553	28	18.92	4-Φ10
200	152	340	295	268	24	3	12-Φ22	350	125	102	13	170	678	38	22.1	4-Φ12
250	165	405	355	320	26	3	12-Φ26	550	125	102	13	198	742	38	28.45	4-Φ12
300	178	460	410	378	28	4	12-Φ26	600	125	102	20	223	803	38	31.6	4-Φ12
350	190	520	470	438	30	4	16-Φ26	600	150	125	20	270	866	45	31.6	4-Φ14
400	216	580	525	490	32	4	16-Φ30	600	175	140	20	300	940	51	33.15	4-Φ18
450	222	640	585	550	40	4	20-Φ30	750	175	140	20	340	995	51	37.95	4-Φ18
500	229	715	650	610	44	4	20-Φ33	750	175	140	22	355	1058	57	41.12	4-Φ18
600	267	840	770	725	54	5	20-Φ36	750	210	165	30	410	1163	70	50.63	4-Φ22
700	292	910	840	795	40	5	24-Φ36	750	300	254	30	478	1283	66	63.35	8-Φ18
800	318	1025	950	900	42	5	24-Φ39	750	300	254	30	529	1398	66	63.35	8-Φ18
900	330	1125	1050	1000	44	5	28-Φ39	1250	300	254	34	584	1498	118	75	8-Φ18
1000	410	1255	1170	1115	46	5	28-Φ42	1500	300	254	34	357	1608	142	85	8-Φ18
1200	470	1485	1390	1330	52	5	32-Φ48	1500	350	298	34	799	1876	150	105	8-Φ22
1400	530	1685	1590	1530	58	5	36-Φ48	-	415	356	40	919	-	200	120	8-Φ32

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard.

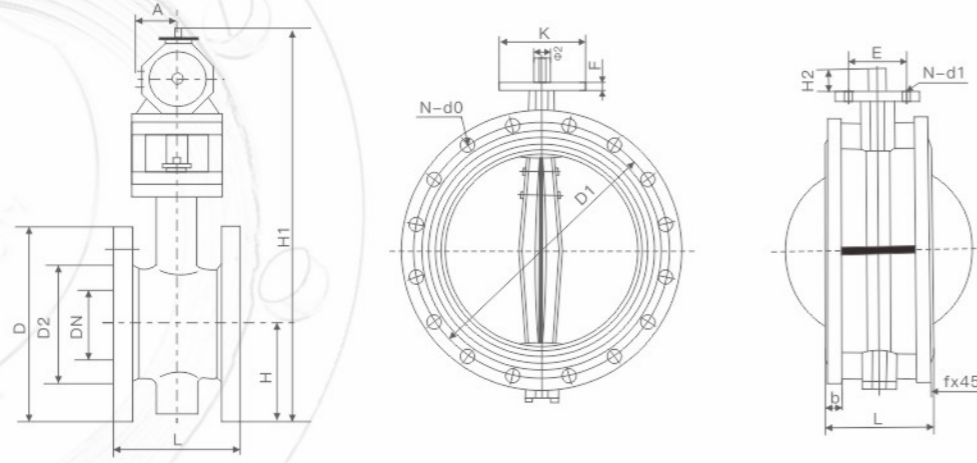


主要外形连接尺寸 Main External Connection Dimensions

D941X-16Q

DN	L	D	D1	D2	b	f	N-d0	A	K	E	F	H	H1	H2	Φ2	N-d1
50	108	165	125	102	18	3	4-Φ18	125	65	50	13	83	443	28	12.6	4-Φ7
65	112	185	145	122	18	3	8-Φ18	125	65	50	13	93	463	28	12.6	4-Φ7
80	114	200	160	138	20	3	8-Φ18	125	65	50	13	100	483	28	12.6	4-Φ7
100	127	220	180	158	20	3	8-Φ18	125	90	70	13	114	498	28	15.77	4-Φ10
125	140	250	210	188	22	3	8-Φ18	325	90	70	13	125	682	28	18.92	4-Φ10
150	140	285	240	212	22	3	8-Φ22	325	90	70	13	143	736	28	18.92	4-Φ10
200	152	340	295	268	24	3	12-Φ22	325	125	102	13	170	800	38	22.1	4-Φ12
250	165	405	355	320	26	3	12-Φ26	363	125	102	13	198	895	38	28.45	4-Φ12
300	178	460	410	378	28	4	12-Φ26	363	125	102	20	223	956	38	31.6	4-Φ12
350	190	520	470	438	30	4	16-Φ26	363	150	125	20	270	1029	45	31.6	4-Φ14
400	216	580	525	490	32	4	16-Φ30	363	175	140	20	300	1103	51	33.15	4-Φ18
450	222	640	585	550	40	4	20-Φ30	465	175	140	20	340	1186	51	37.95	4-Φ18
500	229	715	650	610	44	4	20-Φ33	546	175	140	22	355	1280	57	41.12	4-Φ18
600	267	840	770	725	54	5	20-Φ36	546	210	165	30	410	1321	70	50.63	4-Φ22
700	292	910	840	795	40	5	24-Φ36	546	300	254	30	478	1431	66	63.35	8-Φ18
800	318	1025	950	900	42	5	24-Φ39	546	300	254	30	529	1542	66	63.35	8-Φ18
900	330	1125	1050	1000	44	5	28-Φ39	617	300	254	34	584	1800	118	75	8-Φ18
1000	410	1255	1170	1115	46	5	28-Φ42	632	300	254	34	357	2363	142	85	8-Φ18
1200	470	1485	1390	1330	52	5	32-Φ48	632	350	298	34	799	2583	150	105	8-Φ22
1400	530	1685	1590	1530	58	5	36-Φ48	790	415	356	40	919	2710	200	120	8-Φ32
1600	600	1930	1820	1750	64	5	40-Φ56	868	415	356	50	1045	2845	200	140	8-Φ32
1800	670	2130	2020	1950	68	5	44-Φ56	868	475	406	55	1280	3060	280	160	8-Φ40
2000	760	2345	2230	2150	70	5	48-Φ62	965	475	406	55	1323	3350	280	160	8-Φ40

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard.

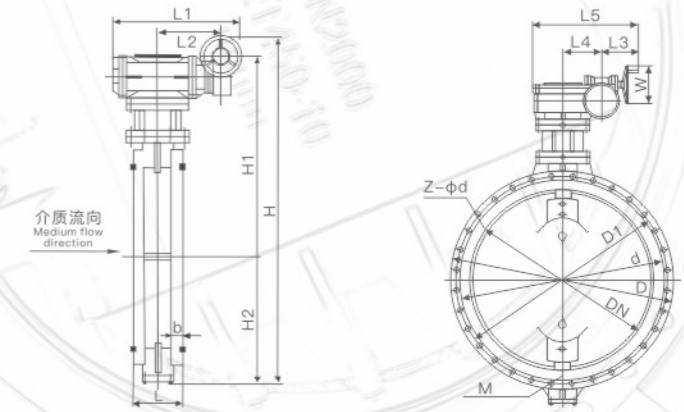
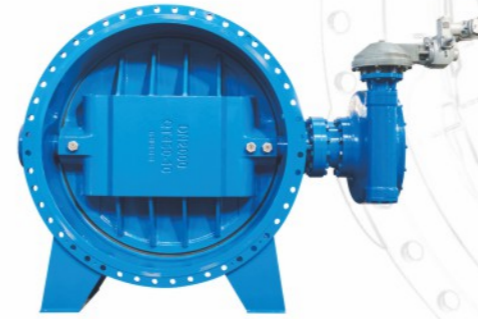


主要外形连接尺寸 Main External Connection Dimensions

D641X-16Q

DN	L	D	D1	D2	b	f	N-d0	A	K	E	F	H	H1	H2	Φ2	N-d1
50	108	165	125	102	18	3	4-Φ18	65	65	50	13	83	338	28	12.6	4-Φ7
65	112	185	145	122	18	3	8-Φ18	65	65	50	13	93	358	28	12.6	4-Φ7
80	114	200	160	138	20	3	8-Φ18	72	65	50	13	100	413	28	12.6	4-Φ7
100	127	220	180	158	20	3	8-Φ18	72	90	70	13	114	428	28	15.77	4-Φ10
125	140	250	210	188	22	3	8-Φ18	72	90	70	13	125	444	28	18.92	4-Φ10
150	140	285	240	212	22	3	8-Φ22	93	90	70	13	143	553	28	18.92	4-Φ10
200	152	340	295	268	24	3	12-Φ22	93	125	102	13	170	678	38	22.1	4-Φ12
250	165	405	355	320	26	3	12-Φ26	350	125	102	13	198	742	38	28.45	4-Φ12
300	178	460	410	378	28	4	12-Φ26	350	125	102	20	223	803	38	31.6	4-Φ12
350	190	520	470	438	30	4	16-Φ26	350	150	125	20	270	866	45	31.6	4-Φ14
400	216	580	525	490	32	4	16-Φ30	350	175	140	20	300	940	51	33.15	4-Φ18
450	222	640	585	550	40	4	20-Φ30	380	175	140	20	340	995	51	37.95	4-Φ18
500	229	715	650	610	44	4	20-Φ33	380	175	140	22	355	1058	57	41.12	4-Φ18
600	267	840	770	725	54	5	20-Φ36	380	210	165	30	410	1163	70	50.63	4-Φ22
700	292	910	840	795	40	5	24-Φ36	380	300	254	30	478	1283	66	63.35	8-Φ18
800	318	1025	950	900	42	5	24-Φ39	380	300	254	30	529	1398	66	63.35	8-Φ18
900	330	1125	1050	1000	44	5	28-Φ39	380	300	254	34	584	1498	118	75	8-Φ18
1000	410	1255	1170	1115	46	5	28-Φ42	580	300	254	34	357	1608	142	85	8-Φ18
1200	470	1485	1390	1330	52	5	32-Φ48	580	350	298	34	799	1876	150	105	8-Φ22

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard.



产品概述 Product Overview

D342X 法兰式双偏心蝶阀系本公司研制的新型阀门，主要适用于水厂、电厂、钢厂冶炼、造纸、化工、水源工程、环境设施建设等系统给排水用，尤其适用于水道管路上作为调节和截流设备使用。
D342X Flanged double eccentric butterfly valve is a new type of valve developed by our company. It is mainly suitable for water supply and drainage of water plants, power plants, steel mills, papermaking, chemical industry, water source engineering, environmental facilities construction, etc. Use of regulating and intercepting equipment.

主要技术规范 Main technical specifications

公称压力 Nominal pressure (MPa)	1.0	1.6
公称通径 Nominal diameter (mm)	100~1200	100~1200
试验压力 Test pressure (MPa)	壳体 Shell	1.5
	密封 Seal	1.1
适用温度 Applicable temperature	-15°C~+110°C	
适用介质 Applicable medium	淡水、污水、海水、空气等 Freshwater, sewage, seawater, air, etc.	

主要外形连接尺寸 Main External Connection Dimensions

D342X-16Q

DN	手动装置 Hand gear	D	D1	d	b	短 Short		长 Long		H	H1	H2	L		L1	L2	L3	L4	L5	W
						Z-φd	M	Z-φd	短 Short				长 Long							
100	3D-15	220	180	156	24	-	-	8-19	446	234	122	-	190	202	48	121	-	180	180	
150	3D-20	285	240	211	26	-	-	8-23	521.5	279	153	-	210	222	58	128	-	194	180	
200	3D-50	340	295	266	30	8-23	20	12-23	690	349	216	89	230	275	70	163	-	241	250	
250	3D-120	405	355	319	32	8-28	24	12-28	782	398	209	114	250	368	95	193	-	291	350	
300	3D-30/250	460	410	370	32	8-28	24	12-28	980	556	277	114	270	449	178	254	104	473	300	
350	3D-30/250	520	470	429	36	12-28	24	16-28	1048	586	315	127	290	449	178	254	104	473	300	
400	3D-30/400	580	525	480	38	12-31	27	16-31	1138	653	335	140	310	486	196	254	130	528	300	
450	3D-30/400	640	585	548	40	16-31	27	20-31	1202	672	380	152	330	486	196	254	130	528	300	
500	3D-60/800	715	650	609	42	16-34	30	20-34	1421	793	428	152	350	627	244	254	162	596	400	
600	3D-60/800	840	770	720	48	16-37	33	20-37	1488	808	480	178	390	627	244	245	162	596	400	
700	3D-120/1500	910	840	794	40	20-37	33	24-37	1889	1058	681	229	430	635	370	295	196	711	300	
800	3D-120/1500	1025	950	901	44	20-40	36	24-40	2032	1133	749	241	470	635	370	295	196	711	300	
900	3D-120/2500	1125	1050	1001	46	24-40	36	28-40	2258	1266	842	241	510	955	455	295	295	807	300	

注：本表中法兰尺寸按GB/T 17241.6-2008标准，结构长度按GB/T 12221-2005标准。
Note: In this table, the flange size is according to GB/T 17241.6-2008 standard, and the structure length is according to GB/T 12221-2005 standard.

产品概述 Product Overview

D37U1X法兰式U型软密封蝶阀作为一种用来实现管路系统切断流量控制的部件，已在石油、化工、冶金、水电等许多领域中得到极为广泛地应用。该阀的蝶板安装于管道的直径方向。在蝶阀阀体圆柱形通道内，圆盘形蝶板绕着轴线旋转，旋转角度为0°-90°。

D37U1X Flanged U-shaped soft seal butterfly valve as a component used to achieve the cutoff flow control of the pipeline system, has been widely used in many fields such as petroleum, chemical, metallurgy, hydropower, etc. The butterfly plate of the valve is installed in the diameter direction of the pipeline. In the cylindrical channel of the butterfly valve body, the disc-shaped butterfly plate rotates around the axis, and the rotation angle is 0°-90°.

产品概述 Product Overview

产品主要应用于水厂及水源工程；建筑行业；环境保护；钢铁、冶金；市政设施；电力及公用事业；造纸行业。
The products are mainly used in water plant and water source engineering; construction industry; environmental protection; steel, metallurgy; municipal facilities; electric power and public utilities; paper industry.

产品特点 Product Features

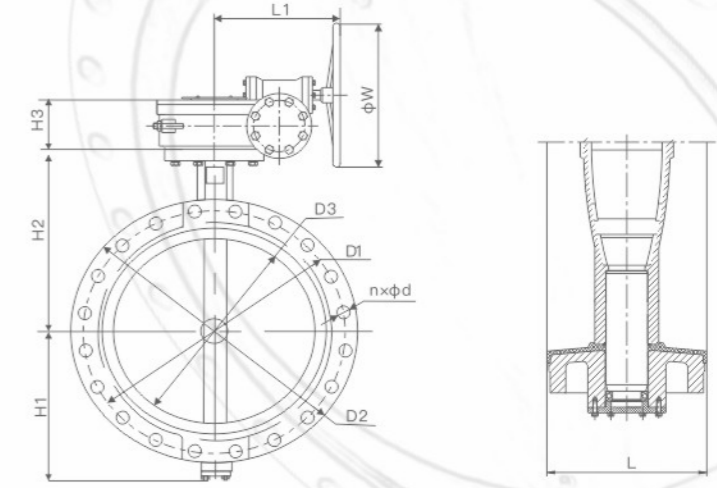
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|-----------------|---|
| 1、关闭方便、省力； | 1. Convenient and labor-saving closing; |
| 2、流体阻力小； | 2. Low fluid resistance; |
| 3、结构简单，体积小，重量轻； | 3. Simple structure, small volume and light weight; |
| 4、密封性能良好。 | 4. Good sealing performance. |

主要性能规范 Main Performance Specifications

型号 Model	D37U1X-16Q	D67U1X-16Q	D97U1X(K/T)-16Q
公称口径 Nominal diameter	DN50-DN1200	DN50-DN1200	DN50-DN1200
公称压力 Nominal pressure	蜗轮 Worm gear	气动 Pneumatic	电动 Electric
操作方式 Operation method	PN16		
连接标准 Connection standard	GB/T 17241.6-2008		
适用介质 Applicable medium	清水或物化性质类似水的液体 Clear water or liquid with physicochemical properties similar to water		
工作温度 Operating temperature	-15°C~120°C		
测试标准 Standard test	GB/T13927-2008		

主要零件材料 Main Parts Material

零件 Parts	阀体 Body	阀瓣 Disc		阀座 Seat	阀杆 Stem	
材质 Material	球墨铸铁 Ductile iron QT450-10 表面环氧喷涂 Surface epoxy coating	球墨铸铁 Ductile iron QT450-10 表面环氧喷涂 Surface epoxy coating	不锈钢CF8M Stainless steel	不锈钢CF8 Stainless steel	EPDM	不锈钢420 Stainless steel (2Cr13)



主要外形连接尺寸 Main External Connection Dimensions

D37U1X-16Q

DN	H1	H2	H3	L	L1	φW	n-φd	D1	D2	D3
50	68	142.7	66	43	160	150	4-19	125	89	51.7
65	77	155.4	66	46	160	150	4-19	145	105	63.3
80	89	161.8	66	46	160	150	4-19	160	120	77.7
100	103	177	66	52	160	150	4-19	180	148	103.1
125	119	189.5	66	56	160	150	4-19	210	170	122.2
150	133	204.2	66	56	160	150	4-23	240	203	154.9
200	160	236	82	60	240	298	4-23	295	255	201.3
250	197.5	266.3	82	67	240	298	4-28	355	303	249.4
300	231	306.5	84	76	225	298	4-28	410	355	300.1
350	288	368	84	76	225	298	4-28	470	436	331.5
400	331	400	120	102	280	300	4-31	525	488	387.5
450	355	422	120	114	362	300	4-31	585	536	438.5
500	388	480	150	127	362	300	4-34	650	593	488.8
600	475	562	150	154	362	300	20-37	770	820	589.9
700	521	626	362	165	405	350	20-37	840	800	692.2
800	591	666	362	188	405	350	20-40	950	906	792
900	650	722	395	203	405	350	24-40	1050	1015	861.2
1000	713	806	395	216	405	350	24-43	1170	1120	961
1200	855	938	434	276	405	350	28-49	1390	1336	1155.2

产品概述 Product Overview

伸缩蝶阀是一种一阀两用的产品，集伸缩器和法兰式蝶阀于一体。它能在一定范围内可轴向伸缩，有利于管道热胀冷缩、消除管道振动及在一定角度范围内克服管道对接不同轴而产生的偏移，能极大的方便阀门管路的安装与拆卸，从而提高了经济效益。

Flexible butterfly valve is a kind of a valve dual-use products, integrating the expansion pipe and flange butterfly valve. It can within a certain range can be axial expansion, and eliminate the pipe vibration and the heat-expansion and cold-contraction within a certain angle to overcome the pipe mis-alignment caused by migration, to great convenience valve pipe installation and removal, thereby improving the economic benefit.

产品用途 Production Use

伸缩蝶阀广泛应用于温度 $\leq 80^{\circ}\text{C}$ ，公称压力 $\leq 1.6\text{MPa}$ 的食品、医药、化工、石油、电力、轻纺、造纸等给排水、气体管道上作调节流量和截流介质的作用。

Telescopic butterfly valves are widely used in the temperature of 80°C or less and nominal pressure of 1.6MPa or less food, medicine, chemical, petroleum, electric power, textile, paper and other water supply and drainage, gas pipeline to adjust flow and the role of intercepting medium.

产品特点 Production Features

- 1、设计新颖、合理、结构独特、重量轻、操作方便、启闭迅速；
 - 2、伸缩蝶阀除了能作调节和截流作用、补偿管道温差所产生的热胀冷缩功能外，还能为安装更换、维修阀门提供方便；
 - 3、密封部位可调节更换、密封性能可靠等特点。
1. Novel design, reasonable, unique structure, light weight, convenient operation, opening and closing quickly;
 2. Telescopic butterfly valve for adjusting and intercepting effect, in addition to compensating pipe temperature difference of heat bilges cold shrink function, can provide convenient for replacement and maintenance of valve installation;
 3. Sealing parts, adjustable replacement, reliable sealing performance, etc.

执行标准 Standard Adopted

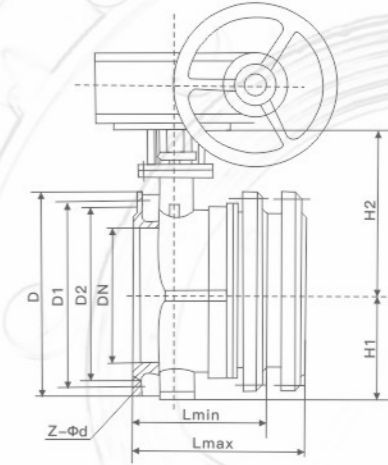
设计与制造 Design and manufacture	法兰连接 Flange connection	结构长度 Length structure	试验与检验 Test and inspection
GB/T12238、 JB/T8527	GB/T9113、JB/T79、HG/T20592	GB/T12221	GB/T13927

主要技术参数 Main Technical Parameters

公称通径 Nominal diameter	DN(mm)		50~2000	
公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6
试验压力Ps(MPa) Test pressure	强度试验 Strength test	0.9	1.5	2.4
	密封试验 Sealing test	0.66	1.1	1.76
	气密封试验 Gas seal test	0.6	0.6	0.6
适用温度 Applicable temperature	$\leq 120^{\circ}\text{C}$			
适用介质 Applicable medium	空气、水、蒸汽、煤气、油品等 Air, water, steam, gas, oil, etc.			
驱动形式 Drive form	蜗轮传动、气动传动、电动传动、液动传动 Worm gear drive, pneumatic drive, electric drive, hydraulic drive			

主要零件材质 Main Part Materials

零件名称 Part name	材料 Material
阀体 Body	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, dual phase steel
蝶板 Plate	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, dual phase steel
阀座 Seat	不锈钢、堆焊司太立等硬质合金 Stainless steel, welding department is instant cemented carbide
密封圈 Sealing ring	不锈钢与耐高温石棉板组合成多层次 Stainless steel and high temperature resistant asbestos board layers
阀杆 Stem	20Cr13、1Cr13不锈钢、铬钼钢、特殊材料 Stainless steel, chrome molybdenum steel, special material
轴套 Shaft	奥氏体不锈钢 Austenitic stainless steel、304氮化 Ntride
填料 Packing	柔性石墨 Flexible graphite、PTFE
填料压盖 Packing gland	铸钢、不锈钢 Cast steel, stainless steel
支架 Stents	铸钢、不锈钢 Cast steel, stainless steel



主要外形连接尺寸 Main External Connection Dimensions

SD341X-6/10/Q/C

压力 Pressure	DN	最长L2 Longest	中间L Intermediate	最短L1 Shortest	D	D1	D2	Z-φd	H1	H2
1.0 MPa	100	196	190	164	220	180	158	8-18	120	239
	150	227	210	192	285	240	212	8-22	124	278
	200	247	230	212	340	295	268	8-22	170	295
	250	267	250	230	395	350	320	12-22	198	357
	300	286	270	252	445	400	370	12-22	218	353
	350	310	290	270	505	460	430	16-22	253	427
	400	332	310	290	565	515	482	16-26	285	465
	450	352	330	310	615	565	532	20-26	310	490
	500	375	350	330	670	620	585	20-26	340	520
	600	420	390	360	780	725	685	20-30	397	610
	700	465	430	395	895	840	800	24-30	467	690
	800	510	470	430	1015	950	905	24-33	530	765
	900	555	510	465	1115	1050	1005	28-33	595	830
	0.6 MPa	100	600	550	500	1230	1160	1110	28-36	670
1200		690	630	570	1455	1380	1330	32-39	785	1030
1400		780	710	640	1675	1590	1535	36-42	835	1180
1600		860	790	750	1830	1760	1710	40-36	1100	1300
0.6 MPa	1800	940	870	800	2045	1970	1920	44-39	1180	1400
	2000	1020	950	880	2265	2100	2125	48-42	1300	1580

注：本表中法兰尺寸按JB/T 79-2015标准系列1尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is in accordance with JB/T 79-2015 standard series 1 size, and the structure length is in accordance with GB/T 12221-2005 standard.

产品用途 Production Use

法兰式衬氟蝶阀广泛适用于各种不同类型工业管道中液体和气体(包括蒸气)的输送,特别是具有严重腐蚀性介质的使用场合,如:氢氟酸、磷酸、氯气、强碱、王水等具有强腐蚀性的介质。

Flange type fluorine lined butterfly valve is widely used for the transportation of liquid and gas (including steam) in various types of industrial pipelines, especially for the use of severely corrosive media, such as hydrofluoric acid, phosphoric acid, chlorine, strong alkali, aqua regia and other highly corrosive media.

产品特点 Production Features

- 体积小, 安装方便;
 - 中线蝶阀为整个蝶板与阀座在360°圆周内同心(中线), 具有双向密封功能, 压力、流量可自由调节;
 - 四级加载弹性密封, 绝对保证了阀门内、外的零泄露。
1. Small volume, convenient installation;
2. The center line butterfly valve for the whole of the butterfly plate and valve seat in 360° circumferential concentric (middle), have two-way sealing function, pressure and flow rate can be adjusted freely;
3. 4 class load elastic seal, absolutely guaranteed the valve inside and outside of zero leakage.

产品执行标准 Production Standard Adopted

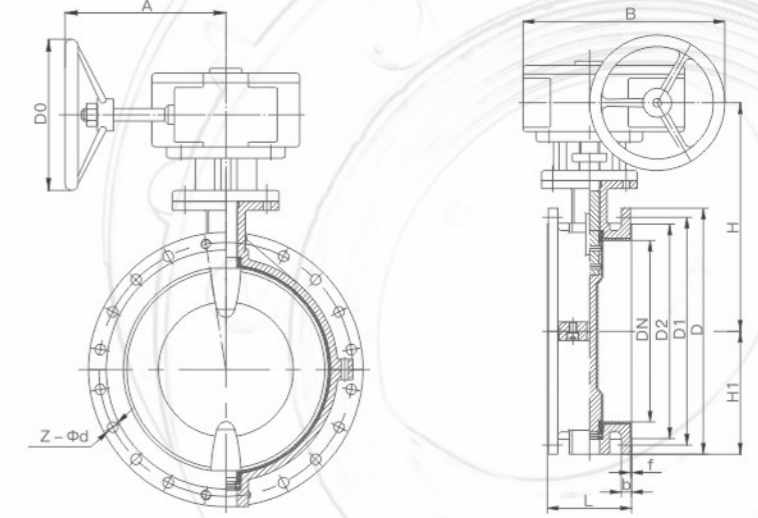
产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check
	GB/T12238	GB/T12221	GB/T9113	JB/T9092 GB/T13927

产品性能规范 Products Performance Specification

型号 Model	公称压力 PN(MPa)	试验压力Ps(MPa) Test pressure		工作温度(°C) Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
D341F4-10	1.0	1.5	1.1	-30~180	硫酸、氢氟酸、磷酸、氯气、苯、强碱、王水、强氧化剂和还原剂等具有强腐蚀性的介质 Sulfuric acid, hydrofluoric acid, phosphoric acid, chlorine, benzene, alkali, wang, strong oxygen agent and reducing agent, etc have the corrosive medium
D341F4-16	1.6	2.4	1.5	-30~180	
D341F46-10	1.0	1.5	1.1	-30~160	
D341F46-16	1.6	2.4	1.5	-30~160	

主要零件材质 Main Part Materials

型号 Model	零件名称 Part name	阀体 Body	阀板/阀杆 Plate/Stem	密封档圈 Seal Archives Circle	填料 Filling lining	蜗轮 Worm gear
D341F4-10/16	材料 Materials	碳钢衬聚四氟乙烯(F4) Carbon steel lining PTFE(F4)	碳钢衬聚四氟乙烯(F4) Carbon steel lining PTFE(F4)	聚四氟乙烯(F4) PFEP(F4)	硅橡胶 Silicone rubber	灰铸铁、球墨铸铁 Grey cast iron, nodular cast iron
		碳钢衬聚全氟乙丙烯(F46) Carbon steel lining PFEP(F46)	碳钢衬聚全氟乙丙烯(F46) Carbon steel lining PFEP(F46)			



主要外形连接尺寸 Main External Connection Dimensions

D341F46-6/10/16C

DN	L	H1	H	A	B	PN6				PN10				PN16			
						D	D1	D2	Z-Φd	D	D1	D2	Z-Φd	D	D1	D2	Z-Φd
50	108	63	306	180	200	140	110	90	4-14	165	125	102	4-18	165	125	102	4-18
65	112	70	321	180	200	160	130	110	4-14	185	145	122	8-18	185	145	122	8-18
80	114	83	346	180	200	190	150	128	4-18	200	160	138	8-18	200	160	138	8-18
100	127	105	387	180	200	210	170	148	4-18	220	180	158	8-18	220	180	158	8-18
125	140	115	411	180	200	240	200	178	8-18	250	210	188	8-18	250	210	188	8-18
150	140	137	447	270	280	265	225	202	8-18	285	240	212	8-22	285	240	212	8-22
200	152	164	572	270	280	320	280	258	8-18	340	295	268	8-22	340	295	268	12-22
250	250	206	646	270	280	375	335	312	12-18	395	350	320	12-22	405	355	320	12-26
300	270	230	738	380	420	440	395	365	12-22	445	400	370	12-22	460	410	378	12-26
350	290	248	761	380	420	490	445	415	12-22	505	460	430	16-22	520	470	428	16-26
400	310	289	877	450	470	540	495	465	16-22	565	515	482	16-26	580	525	490	16-30
450	330	320	938	480	490	595	550	520	16-22	615	565	532	20-26	640	585	550	20-30
500	350	343	993	480	490	645	600	570	20-22	670	620	585	20-26	715	650	610	20-33
600	390	413	1131	480	490	755	705	670	20-26	780	725	685	20-30	840	770	725	20-36
700	430	478	1476	640	660	860	810	775	24-26	895	840	800	24-30	910	840	795	24-36
800	470	525	1533	640	660	975	920	880	24-30	1015	950	905	24-33	1025	950	900	24-39
900	510	585	1655	750	860	1075	1020	980	24-30	1115	1050	1005	28-33	1125	1050	1000	28-39
1000	550	640	1765	850	900	1175	1120	1080	28-30	1230	1160	1110	28-36	1255	1170	1115	28-42

注: 本表中法兰尺寸按HG/T 20592-2009标准, 结构长度按GB/T 12221-2005标准。
Note: The dimensions of the flanges in this table are in accordance with HG/T20592-2009, and the length of the structure is in accordance with GB/T 12221-2005.

产品概述 Product Overview

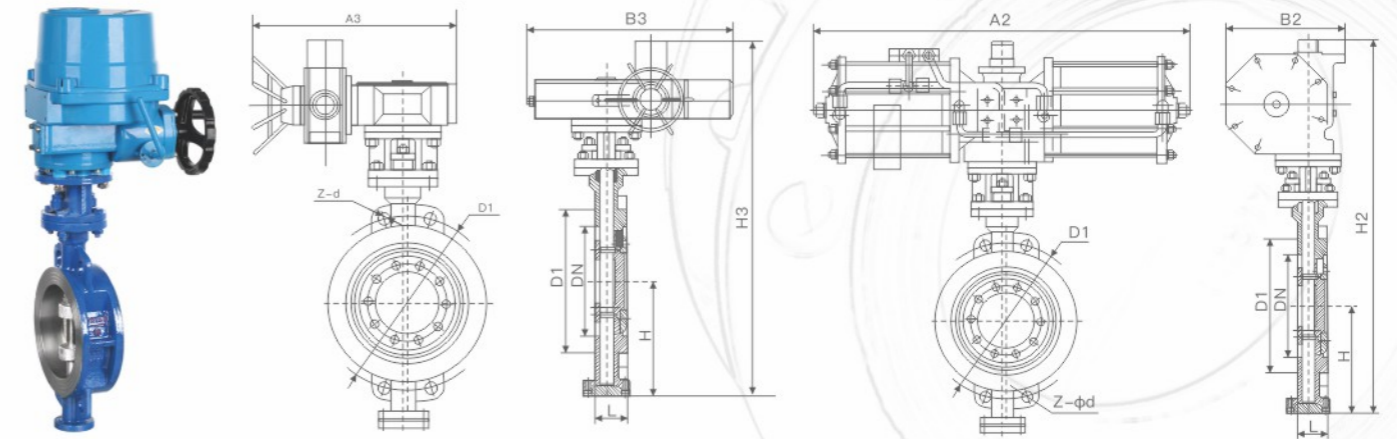
对夹式多层次硬密封蝶阀系吸收、消化国外技术，并结合国内用户意见和生产中积累的经验而精心研制的新一代产品。其是一种非密封型蝶阀，广泛适用于食品、医药、石油化工、电厂、钢厂、工业环保水处理及高层建筑、供排水管道上，用以连通、启闭或调节介质流量。
The wafer-type multi-level hard seal butterfly valve system absorbs and digests foreign technology, and combines the opinions of domestic users and the accumulated experience in production to develop a new generation of products. It is a non-hermetic butterfly valve, widely used in food, medicine, petrochemical industry, power plants, steel mills, industrial environmental protection water treatment and high-rise buildings, water supply and drainage pipelines, used to connect, open or close or adjust the flow of media.

主要性能规范 Main Performance Specifications

公称口径 Nominal diameter	DN(mm)	50~2000				50~500
公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6	2.5	4.0
试验压力 Test pressure (MPa)	强度试验 Strength test	0.9	1.5	2.4	3.75	6.0
	密封试验 Sealing test	0.66	1.1	1.76	2.75	4.4
	气密封试验 Airtight seal test	0.6	0.6	0.6	0.6	0.6
渗透率 Leakage rate	零泄漏或 Zero leakage or $0.1 \times DN \text{mm}^3/\text{s}$(符合 GB/T13927标准 Conform to GB/T13927)					
适用温度 Applicable temperature	碳钢 Carbon steel: -29°C~425°C 不锈钢 Stainless steel: -40°C~600°C					
适用介质 Applicable medium	空气、水、蒸汽、煤气、油品及酸、碱、盐带有弱腐蚀性介质等 Air, water, steam, gas, oil, acid, alkali, salt with weak corrosive medium, etc					
驱动形式 Drive style	手动、电动、气动 Manual, electric, pneumatic					

主要零件材质 Main Part Materials

零件名称 Part Name	材料 Material
阀体 Body	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, duplex steel
蝶板 Disc	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, duplex steel
阀座 Seat	不锈钢、堆焊司太立等硬质合金 Hard alloys such as stainless steel, surfacing welding
密封圈 Sealing ring	不锈钢与耐高温石棉板组合成多层次 Stainless steel and high temperature resistant asbestos board combined into multiple layers
阀杆 Stem	20Cr13、1Cr13不锈钢、铬钼钢、特殊材料 20Cr13, 1Cr13 stainless steel, chromium molybdenum steel, special materials
轴套 Bushing	奥氏体不锈钢、304氮化 Austenitic stainless steel, 304 nitrided
填料 Packing	柔性石墨 Flexible graphite
填料压盖 Packing gland	铸钢、不锈钢 Cast steel, stainless steel
支架 Yoke	铸钢、不锈钢 Cast steel, stainless steel



主要外形连接尺寸 Main External Connection Dimensions

D9/673H-PN16/25

DN 毫米 mm	英寸 Inches	L		H	D973H			D673H			PN1.6MPa		PN2.5MPa	
		短 Short	长 Long		H3	A3	B3	H2	A2	B2	D1	Z-φd	D1	Z-φd
40	1 1/2	33	33	107	530	250	255	625	245	72	110	4-18	110	4-18
50	2	43	43	112	530	250	255	625	245	72	125	4-18	125	4-18
65	2 1/2	46	46	115	530	250	255	625	245	72	145	8-18	145	8-18
80	3	46	64	125	565	250	255	645	245	72	160	8-18	160	8-18
100	4	52	64	138	600	250	255	675	355	92	180	8-18	190	8-22
125	5	56	70	164	640	250	255	715	355	92	210	8-18	220	8-26
150	6	56	76	175	704	300	315	800	355	92	240	8-22	250	8-26
200	8	60	89	215	775	300	315	850	250	170	295	12-22	310	12-26
250	10	68	114	243	945	300	315	925	250	170	355	12-26	370	12-30
300	12	78	114	285	1070	300	315	1035	450	220	410	12-26	430	16-30
350	14	78	127	320	1140	300	315	1070	450	220	470	16-26	490	16-33
400	16	102	140	350	1210	300	315	1190	450	220	525	16-30	550	16-36
450	18	114	152	350	1335	575	714	1250	650	280	585	20-30	600	20-36
500	20	127	152	380	1415	575	714	1290	650	280	650	20-33	660	20-36
600	24	154	178	435	1605	656	810	1455	850	380	770	20-36	770	20-39
700	28	165	229	480	1844	656	810	1585	850	380	840	24-36	875	24-42
800	32	190	241	530	2040	656	810	1700	1250	380	950	24-39	990	24-48
900	36	203	241	595	2255	785	863	1965	1250	380	1050	28-39	1090	28-48
1000	40	216	300	650	2380	785	863	2015	1250	380	1170	28-42	1210	28-56
1200	48	254	360	775	2640	785	863	2250	1250	380	1390	32-48	1420	32-56
1400	56	279	390	870	2886	-	-	-	-	-	1590	36-48	1640	36-62
1600	64	318	440	1000	3156	-	-	-	-	-	1820	40-56	1860	40-62
1800	72	356	490	1110	3421	-	-	-	-	-	2020	44-56	2070	44-70
2000	80	406	540	1250	3685	-	-	-	-	-	2230	48-62	2300	48-70

注：本表中法兰尺寸按JB/T 79-2015系列1标准尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is based on JB/T 79-2015 series 1 standard size, and the structure length is in accordance with GB/T 12221-2005 standard.

产品概述 Product Overview

法兰式多层次硬密封蝶阀系本公司吸收、消化国外技术，并结合国内用户意见和生产中积累的经验而精心研制的新一代产品。采用三偏心结构，阀座与蝶板密封面均采用不同硬度和不锈钢制作，具有良好的耐腐蚀性，使用寿命长。被广泛用于食品、医药、冶金、电力、石油化工、工业环保水处理及高层建筑、供排水管道上，作调节流量和截断流体使用。

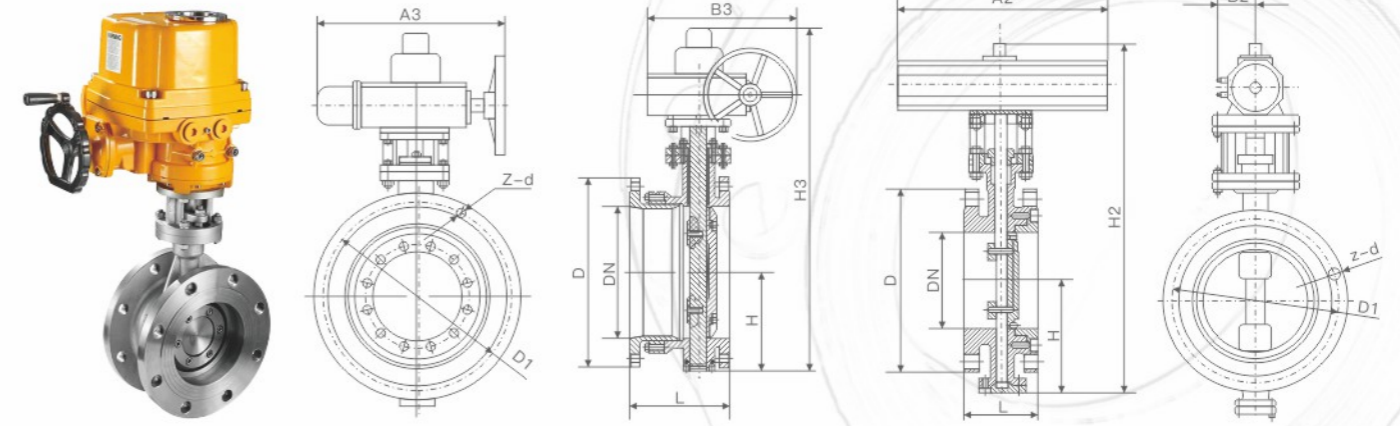
Flange type multi-level hard seal butterfly valve is a new generation of products developed by our company, which absorbs and digests foreign technology, and combines domestic users' opinions and accumulated experience in production. The triple eccentric structure is adopted, and the sealing surfaces of the valve seat and the butterfly plate are made of different hardness and stainless steel, which has good corrosion resistance and long service life. It is widely used in food, medicine, metallurgy, power, petrochemical, industrial environmental protection water treatment and high-rise buildings, water supply and drainage pipelines, for regulating flow and carrying fluid.

主要性能规范 Main Performance Specifications

公称通径 Nominal diameter	DN(mm)	50~2000					50~500
公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6	2.5	4.0	
试验压力 Test pressure (MPa)	强度试验 Strength test	0.9	1.5	2.4	3.75	6.0	
	密封试验 Sealing test	0.66	1.1	1.76	2.75	4.4	
	气密封试验 Airtight seal test	0.6	0.6	0.6	0.6	0.6	
渗漏率 Leakage rate	零泄漏或 Zero leakage or $<0.1 \times DN \text{mm}^3/\text{s}$ (符合 GB/T13927标准 Conform to GB/T13927)						
适用温度 Applicable temperature	碳钢 Carbon steel: $-29^\circ\text{C} \sim 425^\circ\text{C}$ 不锈钢 Stainless steel: $-40^\circ\text{C} \sim 600^\circ\text{C}$						
适用介质 Applicable medium	空气、水、蒸汽、煤气、油品及酸、碱、盐带有弱腐蚀性介质等 Air, water, steam, gas, oil, acid, alkali, salt with weak corrosive medium, etc						
驱动形式 Drive style	电动传动 Electric drive						

主要零件材质 Main Part Materials

零件名称 Part Name	材料 Material
阀体 Body	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, duplex steel
蝶板 Disc	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, duplex steel
阀座 Seat	不锈钢、堆焊司太立等硬质合金 Hard alloys such as stainless steel, surfacing welding
密封圈 Sealing ring	不锈钢与耐高温石棉板组合成多层次 Stainless steel and high temperature resistant asbestos board combined into multiple layers
阀杆 Stem	20Cr13、1Cr13不锈钢、铬钼钢、特殊材料 20Cr13, 1Cr13 stainless steel, chromium molybdenum steel, special materials
轴套 Bushing	奥氏体不锈钢、304氮化 Austenitic stainless steel, 304 nitrided
填料 Packing	柔性石墨 Flexible graphite
填料压盖 Packing gland	铸钢、不锈钢 Cast steel, stainless steel
支架 Yoke	铸钢、不锈钢 Cast steel, stainless steel



主要外形连接尺寸 Main External Connection Dimensions

D9/643H-PN16/25

DN		L		H	D943H		D643H		PN1.6MPa			PN2.5MPa				
毫米 mm	英寸 inches	短 Short	长 Long		H ₃	A ₃	B ₃	H ₂	A ₂	B ₂	D	D ₁	Z-φd	D	D ₁	Z-φd
50	2	108	150	112	530	250	255	625	245	72	165	125	4-18	165	125	4-18
65	2 1/2	112	170	115	530	250	255	625	245	72	185	145	8-18	185	145	8-18
80	3	114	180	120	565	250	255	645	245	72	200	160	8-18	200	160	8-18
100	4	127	190	138	600	250	255	675	355	92	220	180	8-18	235	190	8-22
125	5	140	200	164	640	250	255	715	355	92	250	210	8-18	270	220	8-26
150	6	140	210	175	705	300	315	800	355	92	285	240	8-22	300	250	8-26
200	8	152	230	200	775	300	315	850	250	170	340	295	12-22	360	310	12-26
250	10	165	250	243	945	300	315	925	250	170	405	355	12-26	425	370	12-30
300	12	178	270	250	1070	300	315	1035	450	220	460	410	12-26	485	430	16-30
350	14	190	290	280	1140	300	315	1070	450	220	520	470	16-26	555	490	16-33
400	16	216	310	305	1210	300	315	1190	450	220	580	525	16-30	620	550	16-36
450	18	222	330	350	1335	575	714	1250	650	280	640	585	20-30	670	600	20-36
500	20	229	350	380	1415	575	714	1290	650	280	715	650	20-33	730	660	20-36
600	24	267	390	445	1605	656	810	1455	850	380	840	770	20-36	845	770	20-39
700	28	292	430	480	1844	656	810	1585	850	380	910	840	24-36	960	875	24-42
800	32	318	470	530	2040	656	810	1700	1250	380	1025	950	24-39	1085	990	24-48
900	36	330	510	580	2255	785	863	1865	1250	380	1125	1050	28-39	1185	1090	28-48
1000	40	410	550	650	2380	785	863	2015	1250	380	1255	1170	28-42	1320	1210	28-56
1200	48	470	630	760	2640	785	863	2250	1250	380	1485	1390	32-48	1530	1420	32-56
1400	56	530	710	850	2886	-	-	-	-	-	1685	1590	36-48	1755	1640	36-62
1600	64	600	790	1030	3156	-	-	-	-	-	1930	1820	40-56	1975	1860	40-62
1800	72	670	870	1230	3421	-	-	-	-	-	2130	2020	44-56	2195	2070	44-70
2000	80	760	950	1350	3685	-	-	-	-	-	2345	2230	48-62	2425	2300	48-70

注：本表中法兰尺寸按JB/T 79-2015系列1标准尺寸，结构长度按GB/T 12221-2005标准。
Note: The flange size in this table is based on JB/T 79-2015 series 1 standard size, and the structure length is in accordance with GB/T 12221-2005 standard.

产品概述 Product Overview

本公司生产的烟气蝶阀采用与阀体相同材料加工成密封圈，其适用温度随阀体选材而定，公称压力≤1.0MPa，一般适用于工业、冶金、环保、化工、建材、电站、玻璃等行业中的通风、环保工程的含尘冷风或热风气体管道中，作为气体介质调节流量或切断的管道控制装置。烟气蝶阀在管道中一般应当水平安装。

The flue gas butterfly valve produced by the company is made of the same material as the valve body into a sealing ring, and its applicable temperature depends on the material selection of the valve body. The nominal pressure is ≤ 1.0MPa, which is generally applicable to the dust-containing cold air or hot air gas pipeline of ventilation and environmental protection engineering in industry, metallurgy, environmental protection, chemical industry, building materials, power station, glass and other industries, as the gas medium to regulate the flow or cut off the pipeline control installation. Generally, the flue gas butterfly valve shall be installed horizontally in the pipeline.

产品特点 Product Features

- 1、烟气蝶阀设计新颖、合理，结构独特，重量轻，启闭迅速。
- 2、蝶阀操作力矩小，操作方便，省力灵巧。
- 3、采用适应的材料以满足低、中、高不同介质温度及其腐蚀性介质等。
- 4、内无连杆、螺栓等、工作可靠、使用寿命长，不受介质流向影响。

1. The design of flue gas butterfly valve is novel and reasonable, with unique structure, light weight and quick opening and closing.
2. The operation torque of butterfly valve is small, the operation is convenient and the labor-saving is dexterous.
3. Suitable materials are used to meet the requirements of low, medium and high medium temperature and corrosive medium.
4. There is no connecting rod, bolt, etc. in it. It works reliably and has a long service life. It is not affected by the flow direction of medium.

主要性能规范 Main Performance Specifications

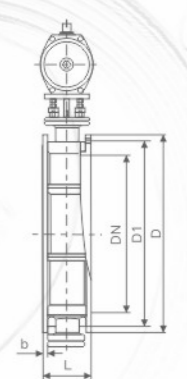
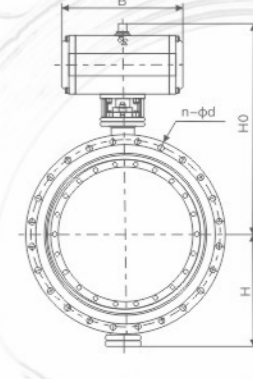
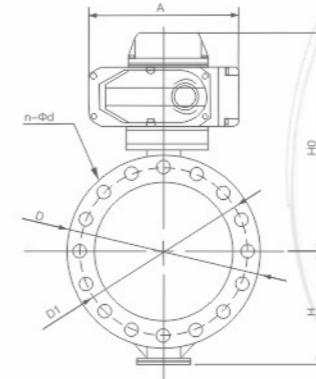
公称通径 Nominal diameter	DN(mm)	50~2000		
公称压力 Nominal pressure	PN(MPa)	0.05	0.25	0.6
试验压力Ps(MPa) Test pressure	强度试验 Strength test	0.075	0.375	0.9
	密封试验 Sealing test	≤1.5% 泄漏量 Leakage		
适用介质 Applicable medium	煤气、含尘气体、烟道气等 Gas, dusty gas, flue gas, etc			
驱动形式 Driving form	手动、蜗杆蜗轮传动、气传动、电传动 Manual, worm and worm gear drive, air drive, electric drive			

主要零件材质 Main Part Materials

零件名称 Part name	材料 Material
阀体 Body	铸钢、不锈钢、铬镍钼钛钢、铬钼钛钢等特殊材料 Cast steel, stainless steel, Cr Ni Mo Ti steel, Cr Mo Ti steel and other special materials
蝶板 Disc	铸钢、不锈钢、铬镍钼钛钢、铬钼钛钢等特殊材料 Cast steel, stainless steel, Cr Ni Mo Ti steel, Cr Mo Ti steel and other special materials
密封圈 Seal ring	与阀体相同 Same as valve body
阀杆 Stem	碳钢、2Cr13、不锈钢、铬镍钼钛钢 Carbon steel, 2Cr13, stainless steel, chromium nickel molybdenum titanium steel
填料 Packing	柔性石墨 Flexible graphite

密封材料选用和适用温度

材料品种 Material variety	碳素钢 Carbon steel	低温碳钢 Microtherm carbon steel	合金钢 Alloy steel		奥氏体不锈钢 Austenitic stainless steel	铬钼钢 Chromoly steel
代号 Code name	WCB	LCB	WC6或WC9	C5或C12	铬Cr-18型、304、316	12CrMoV
耐最高温度 Max temperature resistance	425℃	345℃	595℃	650℃	600℃	560℃
耐最低温度 Min temperature resistance	-29℃	-46℃	-29℃	-29℃	-196℃	-40℃
适用工作温度 Applicable working temperature	≤25℃	≤345℃	≤595℃	≤650℃	≤600℃	≤560℃



主要外形连接尺寸 Main External Connection Dimensions

PN0.05/0.25/0.6MPa

公称通径 Nominal diameter		结构长度 (标准值) Face-to-Face (standard value)	外型尺寸(参考值) External dimension (reference value)				连接尺寸(标准值) Connection size (standard value)								WT (kg)
mm	inch		L	H	H0	A	B	0.05MPa和0.25MPa				0.6MPa			
							D	D1	D2	n-φd	D	D1	D2	n-φd	
50	2	108	70	286	125	193	140	110	88	4-14	140	110	88	4-14	14
65	2 1/2	112	80	306	125	193	160	130	108	4-14	160	130	108	4-14	15
80	3	114	95	334	125	193	190	150	124	4-18	190	150	124	4-18	17
100	4	127	105	354	125	193	210	170	144	4-18	210	170	144	4-18	20
125	5	140	120	384	125	193	240	200	174	8-18	240	200	174	8-18	25
150	6	140	132	409	125	193	265	225	199	8-18	265	225	199	8-18	29
200	8	152	160	593	165	183	320	280	254	8-18	320	280	254	8-18	47
250	10	165	187	650	165	283	375	335	309	12-18	375	335	309	12-18	67
300	12	178	220	715	165	283	440	395	363	12-22	440	395	363	12-22	78
350	14	190	245	814	175	334	490	445	413	12-22	490	445	413	12-22	96
400	16	216	270	863	175	334	540	495	463	16-22	540	495	463	16-22	130
450	18	222	297	918	175	334	595	550	518	16-22	595	550	518	16-22	142
500	20	229	322	1016	210	425	645	600	568	20-22	645	600	568	20-22	191
600	24	267	377	1128	210	425	755	705	667	20-26	755	705	667	20-26	230
700	28	292	430	1233	210	425	860	810	772	24-26	860	810	772	24-26	250
800	32	318	487	1344	210	425	975	920	878	24-30	975	920	878	24-30	320
900	36	330	537	1560	320	620	1075	1020	978	24-30	1075	1020	978	24-30	410
1000	40	410	587	1660	320	620	1175	1120	1078	28-30	1175	1120	1078	28-30	510
1200	48	470	687	1890	320	620	1375	1320	1280	32-30	1405	1340	1295	32-33	720
1400	56	530	760	2670	575	714	1575	1520	1480	36-30	1630	1560	1510	36-36	1270
1600	64	600	895	2810	575	714	1790	1730	1690	40-30	1830	1760	1710	40-36	1730
1800	72	670	995	3020	575	714	1990	1930	1890	44-30	2045	1970	1918	44-39	2750
2000	80	760	1095	3220	565	810	2190	2130	2090	48-30	2265	2180	2125	48-42	3050

产品概述 Product Overview

焊接式金属硬密封蝶阀采用三偏心结构，此阀门设计在高温、高压、防火应用中是气泡级密封的理想硬密封蝶阀。由于采用焊接结构，所以阀门与管道平面达到永久的零泄漏，该焊接蝶阀没有法兰，对管道保温包扎带来了很大的方便。

Welded metal hard seal butterfly valve uses three eccentric structure, this valve design applied in high temperature and high pressure, fire prevention is an ideal hard seal butterfly valve to a level bubble. Due to the welding structure, so the valve and pipeline plane to achieve permanent zero leakage, should not have a flange welding butterfly valve, pipe insulation bandaging has brought great convenience.

产品用途 Production Use

焊接式金属硬密封蝶阀广泛应用于热力、石油、化工、电力、冶金、食品、医药、轻纺、造纸等行业，可安装在温度≤425℃，介质为煤气、空气、蒸汽、水、海水、油品等工业管网上作调节流量和切断介质用。

Welded metal hard seal butterfly valve is widely used in heat, oil, chemical, electric power, metallurgy, food, medicine, textile, paper and other industries, can be installed in the temperature of 425 °C or less, the medium for gas, air, steam, water, sea water, oil and other industries to adjust flow and cut off the medium in pipeline.

产品特点 Production Features

1. 结构紧凑、体积小、重量轻、操作灵活、使用方便；
 2. 采用三维偏心多层次硬密封结构，其密封性能可靠达到零泄漏；
 3. 此阀无法兰，对管道的保温包扎带来很大方便和美观；
 4. 具有耐高温、高压、耐腐蚀、耐磨损等特点。
1. Compact structure, small volume, light weight, flexible operation, easy to use;
 2. Using three-dimensional eccentric hard sealing structure, multi-level reliable sealing performance to achieve zero leakage.
 3. The valve flange, pipe insulation bandaging bring great convenience and beautiful;
 4. High temperature, high pressure resistance, corrosion resistance, wear resistance, etc.

执行标准 Execution Standard

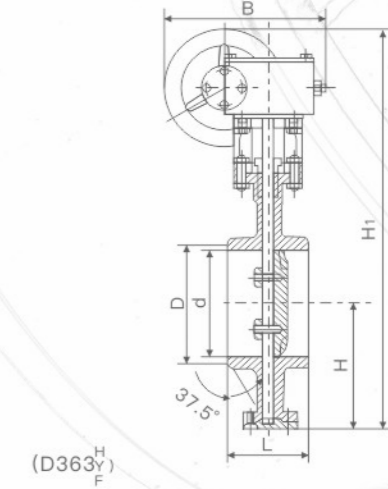
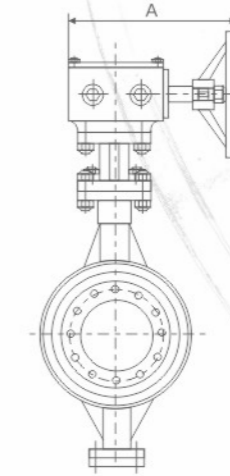
设计与制造 Design and manufacture	焊接尺寸 Welding size	结构长度 Face to Face	试验与检验 Test & check
GB/T12238 JB/T8527	GB/T12224	GB/T12221	GB/T13927、GB/T26480

主要技术参数 Main Technical Parameters

公称通径 Nominal diameter	DN(mm)	50~700				
公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6	2.5	4.0
试验压力 (Mpa) Test pressure	强度试验 Strength test	0.9	1.5	2.4	3.75	6.0
	密封试验 Sealing test	0.66	1.1	1.76	2.75	4.4
	气密封试验 Gas seal test	0.6	0.6	0.6	0.6	0.6
适用介质 Applicable medium	水、汽、油品、酸类腐蚀性等 Water, steam, oil, acid corrosion, etc					
适用温度 Applicable temperature	碳钢 Stainless steel: -29℃~425℃ 不锈钢 Carbon steel: -40℃~600℃					

主要零件材质 Main Part Materials

零件名称 Part name	材料 Material
阀体 Body	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, dual phase steel
蝶板 Plate	铸钢、不锈钢、铬钼钢、合金钢、双相钢 Cast steel, stainless steel, chrome molybdenum steel, alloy steel, dual phase steel
阀座 Seat	不锈钢、堆焊司太立等硬质合金 Stainless steel, welding department is instant cemented carbide
密封圈 Seal ring	不锈钢与耐高温石棉板组合成多层次 Stainless steel and high temperature resistant asbestos board layers
阀杆 Stem	20Cr13、1Cr13不锈钢、铬钼钢、特殊材料 Stainless steel, chrome molybdenum steel, special material
轴套 Shaft	奥氏体不锈钢 Austenitic stainless steel、304氮化 Nitride
填料 Packing	柔性石墨 Flexible graphite、PTFE
填料压盖 Packing gland	铸钢、不锈钢 Cast steel, stainless steel
支架 Yoke	铸钢、不锈钢 Cast steel, stainless steel



主要外形连接尺寸 Main Boundary Connection Dimension

PN0.6/1.0MPa

DN	公称压力 Nominal pressure PN0.6MPa								公称压力 nominal pressure PN1.0MPa								
	外形尺寸 Boundary dimensions								WT (kg)	外形尺寸 Boundary dimensions							
mm	L	D	d	H	H ₁	A	B	L		D	d	H	H ₁	A	B		
600	390	636	602	499	1280	570	660	450	390	636	602	499	1280	570	660	465	
700	430	726	692	566	1480	750	550	660	430	726	692	566	1480	750	550	680	
800	470	826	792	632	1608	750	550	780	470	826	792	632	1608	750	550	810	
900	510	926	892	693	1857	750	550	820	510	926	892	693	1857	750	550	860	
1000	550	1028	992	757	2038	900	750	1460	550	1028	992	757	2038	900	750	1625	
1200	630	1228	1192	851	2237	1000	925	1590	630	1228	1192	851	2237	1000	925	1770	
1400	710	1428	1392	876	2411	1000	925	2185	710	1428	1392	876	2411	1000	925	2425	
1600	790	1628	1592	1095	2756	1000	925	3210	790	1628	1592	1095	2756	1000	925	3560	
1800	870	1828	1792	1214	3093	1100	980	4090	870	1828	1792	1214	3093	1100	980	4545	
2000	950	2028	1992	1332	3355	1100	980	5610	950	2028	1992	1332	3355	1100	980	6230	

注：本表中结构长度按GB/T 12221标准。

Note: The Face to Face in this table is in accordance with GB/T 12221 standard.

主要外形连接尺寸 Main Boundary Connection Dimension

PN1.6MPa

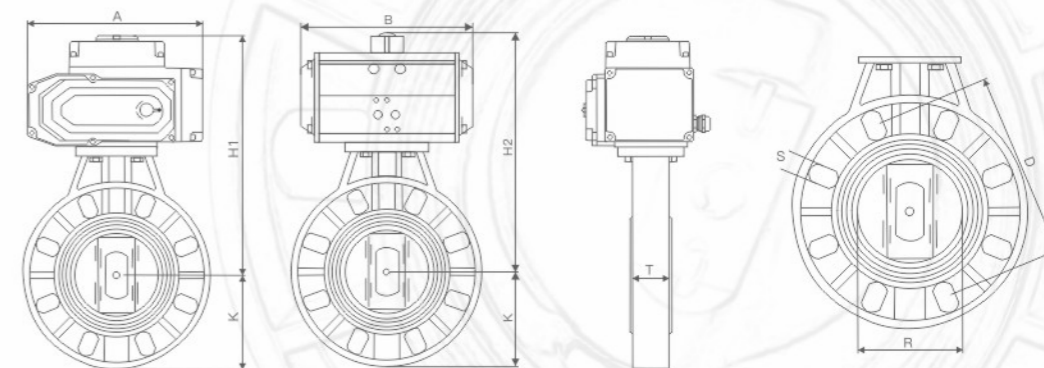
公称压力 Nominal pressure PN1.6MPa								公称压力 Nominal pressure PN1.6MPa									
DN	外形尺寸 Boundary dimensions							WT (kg)	DN	外形尺寸 Boundary dimensions							WT (kg)
mm	L	D	d	H	H ₁	A	B		mm	L	D	d	H	H ₁	A	B	
80	46	90	78	90	356	180	200	27	600	390	636	602	509	1369	570	660	457
100	52	110	96	100	375	180	200	34	700	430	726	692	572	1492	750	550	810
125	56	135	121	113	401	180	200	41	800	470	826	792	638	1622	750	550	1093
150	56	161	146	130	450	270	280	43	900	510	926	892	700	1924	750	550	1410
200	60	222	202	205	545	400	425	81	1000	550	1028	992	765	2054	900	750	1870
250	68	278	254	235	630	400	425	102	1200	630	1228	1192	860	2259	1000	925	2082
300	78	330	303	275	715	450	560	132	1400	710	1428	1392	986	2610	1000	925	2850
350	78	382	351	309	817	450	560	164	1600	790	1628	1592	1106	2856	1000	925	4235
400	102	432	398	346	923	535	580	193	1800	870	1828	1792	1226	3121	1100	980	5346
450	114	484	450	392	1059	535	580	238	2000	950	2028	1992	1345	3385	1100	980	7328
500	127	535	501	427	1126	535	580	302	-	-	-	-	-	-	-	-	-

主要外形连接尺寸 Main Boundary Connection Dimension

PN2.5/4.0MPa

公称压力 Nominal pressure PN2.5MPa								公称压力 Nominal pressure PN4.0MPa									
DN	外形尺寸 Boundary dimensions							WT (kg)	DN	外形尺寸 Boundary dimensions							WT (kg)
mm	L	D	d	H	H ₁	A	B		mm	L	D	d	H	H ₁	A	B	
80	46	90	78	90	356	180	200	38	180	90	78	108	430	180	200	39	
100	52	110	96	106	387	180	200	40	190	110	96	108	392	180	200	50	
125	56	135	121	122	413	180	200	60	200	135	120	120	414	180	200	75	
150	56	161	146	136	459	270	280	65	210	161	145	135	494	270	280	100	
200	60	222	202	215	585	400	425	85	230	222	200	202	578	400	425	135	
250	68	278	254	247	649	400	425	135	250	278	252	235	673	400	425	190	
300	78	330	303	288	771	450	560	175	270	330	301	280	793	450	560	240	
350	78	382	351	333	929	450	560	195	290	382	351	315	921	450	560	320	
400	102	432	398	359	993	535	580	295	310	432	398	355	1021	535	580	450	
450	114	484	450	405	1053	535	580	350	330	484	448	370	1143	535	580	500	
500	127	535	501	444	1245	535	580	510	350	535	495	420	1192	535	580	560	

注：本表中结构长度按GB/T 12221标准。
Note: The Face to Face in this table is in accordance with GB/T 12221 standard.



产品概述 Product Overview

塑料蝶阀的阀体重量轻、耐腐蚀性强，外型结构紧凑美观，本体重量轻容易安装，应用范围广，材质卫生无毒，耐磨损、容易拆卸，维护简单。被应用于多个领域，如一般纯水和生饮水的管路系统、排水和污水管路系统、盐水和海水管路系统、酸碱和化学溶液系统等多个行业，品质得到广大用户的认可。

The valve body of the plastic butterfly valve is light in weight, strong in corrosion resistance, compact and beautiful in appearance, light in weight and easy to install, wide in application, sanitary and non-toxic in material, wear-resistant, easy to disassemble and easy to maintain. It has been applied in many fields, such as pipeline system of general pure water and raw water, drainage and sewage pipeline system, brine and seawater pipeline system, acid-base and chemical solution system, etc., and its quality has been recognized by users.

产品特点 Product Features

- 1、外型结构紧凑美观；
 - 2、本体重量轻容易安装；
 - 3、耐腐蚀性强，应用范围广；
 - 4、材质卫生无毒；
 - 5、耐磨损、容易拆卸，维护简单。
1. Compact and beautiful appearance;
 2. The ontology is light and easy to install;
 3. Strong corrosion resistance and wide application;
 4. Material health non-toxic;
 5. Wear resistance, easy to disassemble, simple maintenance.

主要外形连接尺寸 Main External Connection Dimensions

PN1.0MPa

公称通径 Nominal diameter DN(mm)	A	B	T	H ₁	H ₂	K	R	S	D
40	170	147	42	232	220	79.5	45.3	4*Φ18	110
50	170	147	42	241	235	82.5	56.5	4*Φ18	125
65	170	168	44.7	252	245	92.5	69.5	4*Φ18	145
80	170	182	45	264	260	100	79.5	8*Φ18	160
100	210	204	51.2	296	280	114.5	102.5	8*Φ18	180
125	210	238	54.4	324	322	128.5	130	8*Φ18	210
150	255	268	55	375	374	142.5	152	8*Φ18	240
200	255	301	58.8	416	428	171.5	203	8*Φ23	295
250	255	390	65.7	470	482	205.5	255	8*Φ23	350
300	300	458	76	528	574	245	309.5	12*Φ23	400

产品概述 Product Overview

防结露蝶阀适用于空调、工业水处理设备，有很强的防结露功能。铝合金压铸阀体，杜绝锈蚀。在防止结露方面发挥超群的功能。利用多年积累的技术和经验开发的独特的多层次渐近接触式阀座，以及综合其它多项技术的F500系列蝶阀正在越来越多的领域替代其它阀门，具有施工简单、使用寿命长的特点。

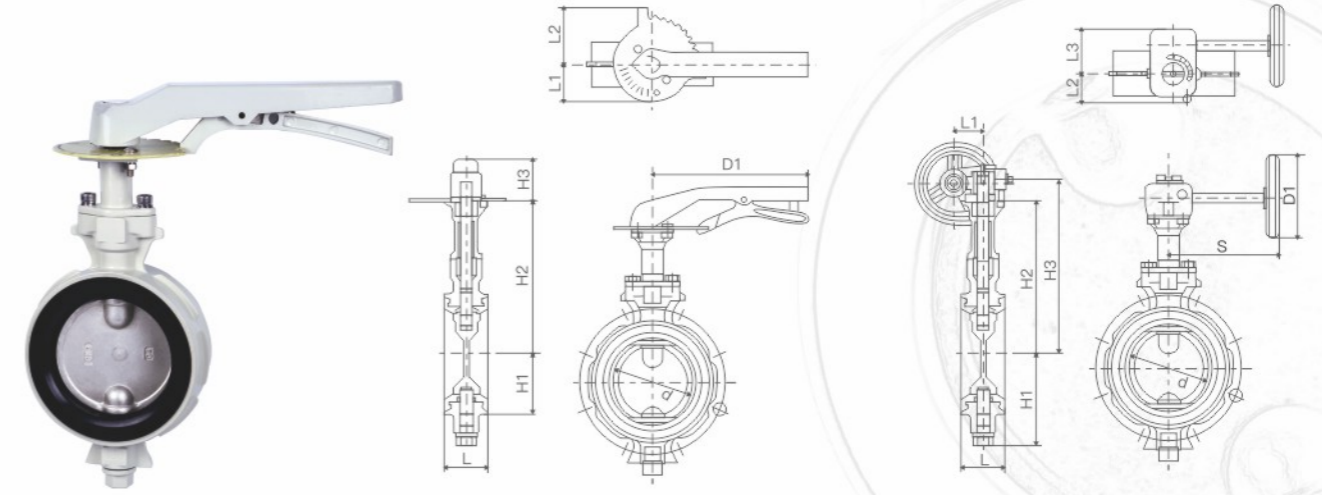
The anti-condensation butterfly valve is suitable for air conditioning and industrial water treatment equipment, and has a strong anti-condensation function. Aluminum alloy die-cast valve body to prevent rust. It plays an outstanding role in preventing condensation. The unique multi-level asymptotic contact valve seat developed with years of accumulated technology and experience, as well as the F500 series butterfly valves that integrate many other technologies, are replacing other valves in more and more fields.

产品特点 Product Features

- 1、具有良好的流体控制特性和关闭密封性能。
 - 2、低压下，可以实现良好的密封。调节性能好。
 - 3、蝶板的流线形设计，使流体阻力损失小，可谓是一种节能型产品。
 - 4、阀杆为通杆结构，经过调质处理，有良好的综合力学性能和抗腐蚀性，抗擦伤性。
 - 5、连接方式有法兰连接、对夹连接、对焊连接及凸耳对夹连接等等。
 - 6、超轻铝合金阀体，扭矩小，使用安装方便，杜绝锈蚀。
1. Has good fluid control characteristics and closed sealing performance.
 2. Good sealing can be achieved under low pressure. Good adjustment performance.
 3. The streamlined design of the butterfly plate makes the fluid resistance loss small, which can be described as an energy-saving product.
 4. The valve stem is a through-rod structure, after quenching and tempering, it has good comprehensive mechanical properties, corrosion resistance and scratch resistance.
 5. Connection methods include flange connection, clip connection, butt welding connection and lug clip connection, etc.
 6. Ultra-light aluminum alloy valve body, low torque, easy to use and install, and prevent rust.

标准参数表 Standard Parameter Table

类型 Type	F500	结构长度 Face-to-Face	JIS GB API
阀门公称口径 Valve nominal diameter	40-300mm	顶部法兰标准 Top flange standard	国标标准 ISO5211
适用法兰规格 Applicable flange specifications	JIS ANSI GB	标准材质 Standard material	阀体：铝合金 Body: aluminum alloy
最大工作压力 Working pressure	1.0MPa		阀板：不锈钢 Valve plate: stainless steel
使用温度范围 Operating temperature range	0-120°C EPDM、0-70°C NBR		密封圈 Sealing ring: EPDM(MBR)
泄漏试验压力 Leak test pressure	1.1MPa	喷涂规格 Spray specification	聚酯粉体涂料 Polyester powder coating
阀体试验压力 Body test pressure	1.5MPa		
驱动形式 Drive form	手柄式、齿轮式、气缸式、电动式 Handle type, gear type, cylinder type, electric type		



主要外形连接尺寸 Main External Connection Dimensions

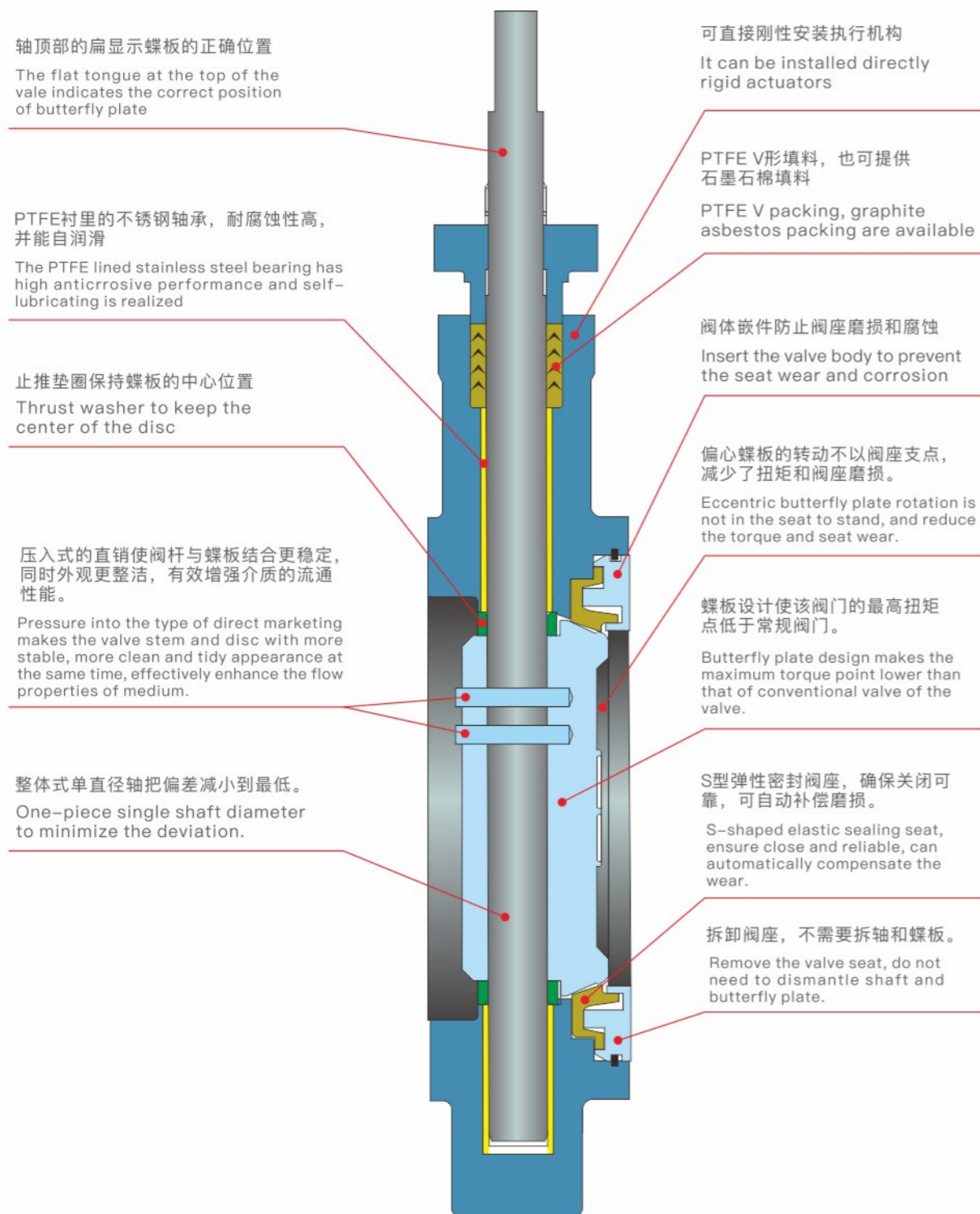
公称通径 Nominal diameter		尺寸 Size(mm)								重量WT (kg)
mm	inch	d	L	H1	H2	H3	L1	L2	D1	
40	1 1/2"	42	33	70	145	51	47	68	250	1.4
50	2"	52	43	82	145	51	47	68	250	1.7
65	2 1/2"	67	46	90	157	51	47	68	250	2.1
80	3"	80	46	99	165	51	47	68	250	2.3
100	4"	102	52	112	183	51	47	68	250	2.8
125	5"	126	56	132	196	60	63	86	330	4.8
150	6"	150	56	146	214	60	63	86	330	6.0

主要外形连接尺寸 Main External Connection Dimensions

公称通径 Nominal diameter		尺寸 Size(mm)										重量WT (kg)
mm	inch	d	L	H1	H2	H3	L1	L2	L3	S	D1	
40	1 1/2"	42	33	70	145	168	35	35	56	132	100	2.0
50	2"	52	43	82	145	168	35	35	56	132	100	2.3
65	2 1/2"	67	46	90	157	180	35	35	56	132	100	2.7
80	3"	80	46	99	165	188	35	35	56	132	100	2.9
100	4"	102	52	112	183	206	41	39	68	132	100	3.4
125	5"	126	56	132	196	220	58	48	89	149	140	5.8
150	6"	150	56	146	214	238	58	48	89	149	140	7.4
200	8"	199	60	188	241	272	58	48	89	149	140	9.6
250	10"	248	68	220	320	367	67	61	97	200	200	21.5
300	12"	297	78	255	355	402	67	63	97	200	200	31.0

产品应用 Product Application

超高性能双偏心蝶阀，除常规阀门所适应的工况介质外，根据不同的介质，选用了不同结构材料和特殊处理材料，还可用于深冷、蒸汽、氯气、氧气、高真空、抗腐蚀等特殊工况。
Ultra high performance double eccentric butterfly valve, in addition to the conventional valve to adapt to the working medium, according to different media, choose different structural materials and special treatment materials, but also can be used for cryogenic, steam, chlorine, oxygen, high vacuum, corrosion resistance and other special conditions.



产品概述 Product Overview

本公司生产的手动对夹式高性能蝶阀，即正驱动方式的代码位置上带M、G的815W、830W，815L和830L型对夹式高性能蝶阀。本公司选用相应的手柄、蜗轮装置与阀门配套以整机形式出厂。

800系列对夹式高性能蝶阀使用偏置式阀杆和偏心蝶板，引用球阀唇缘式密封技术，使用单一的聚合材料密封座与蝶板的球形扇面外缘吻合，达到可靠的密封，消除了磨蚀、温度、压力变化的影响。这种阀门结构紧凑、重量轻，密封可靠，与传统的闸阀比较，它安装方便、密封可靠、维修方便、使用寿命更长、重量更轻，价格低廉，它使用于石油、天然气、化工、电力等工业。

800系列结构长度符合API 609。为了便于操作或进行自动控制或遥控，本公司阀门可以配装气动装置和电动装置。
The manual wafer-type high-performance butterfly valve produced by our company is the 815W, 830W, 815L and 830L wafer-type high-performance butterfly valve with M and G in the code position of positive drive mode. The company selects the corresponding handle, worm gear device and valve as the complete machine and leaves the factory.

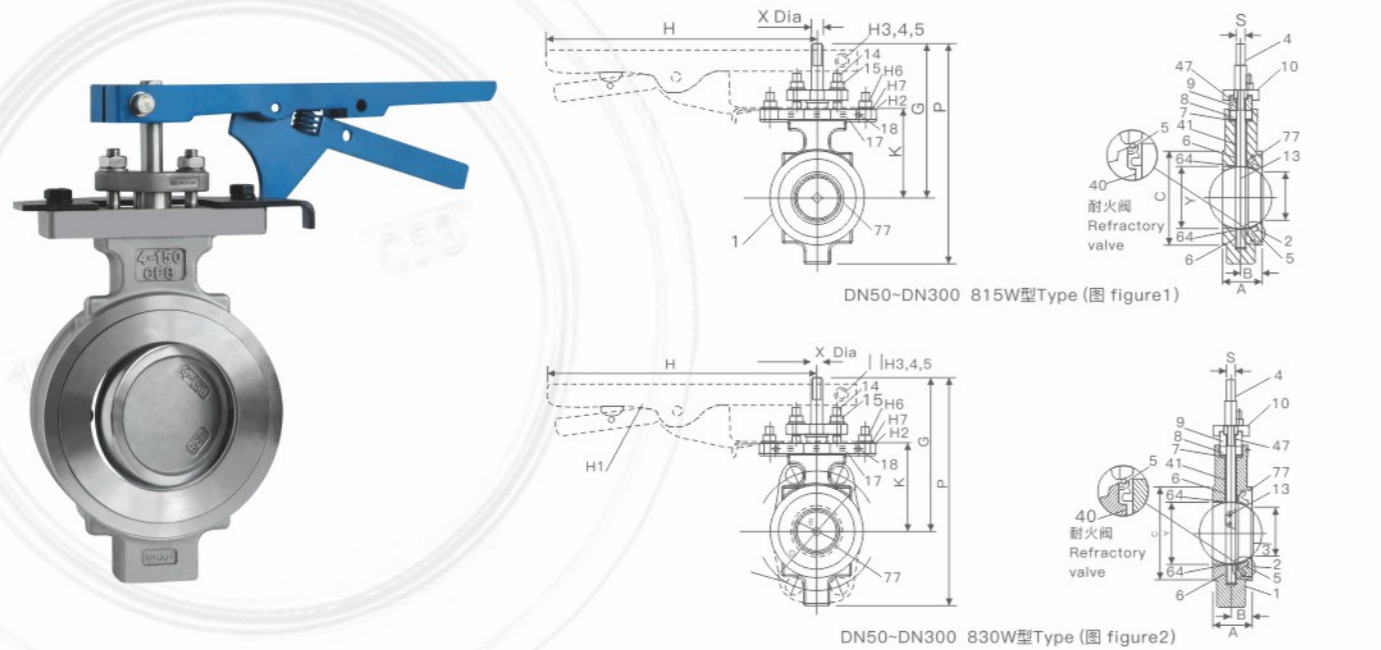
The 800 series wafer-type high-performance butterfly valve uses an offset stem and an eccentric butterfly plate. The ball valve lip seal technology is used. A single polymer material seal seat is used to match the outer edge of the spherical fan surface of the butterfly plate to achieve a reliable seal and eliminate The effects of abrasion, temperature, and pressure changes are included. This valve has a compact structure, light weight, and reliable sealing. Compared with traditional gate valves, it has easy installation, reliable sealing, easy maintenance, longer service life, lighter weight, and low price. And other industries.

The 800 series has a structural length in accordance with API 609. For the convenience of operation or automatic control or remote control, our valves can be equipped with pneumatic devices and electric devices.

产品特点 Product Features

- 独特的阀座密封结构；**
传统的中线蝶阀是衬氟或衬胶，而此产品采用的改进的独立单一体的S型弹性密封阀座结构，使用进口的RPTFE材料，弹性好，寿命长，可自动补偿温度和压力的变化，以及因长期开关使用而磨损的密封补偿，能达到双向密封无泄漏；采用活动嵌件结构，保养方便快捷，不必拆卸蝶板和阀杆，只要单面取下嵌件，即可更换密封阀座和检修密封面。
- 阀座密封；**
ANSI/FCI70-2规定了控制阀的泄漏等级和试验程序，其中VI级为最低泄漏等级。高性能对夹式蝶阀能达到MSS-SP61规定的无气泡密封，要高于VI级。
- 防火耐火结构；**
耐火型蝶阀按API607标准进行设计执行，经过火烧试验，在阀门的使用现场，当聚四氟乙烯等非金属材料制作的阀尾密封圈在高温下分解或破坏时，能借助金属辅助内压自密封结构，起到瞬间密封作用，可有效阻止介质的大量泄漏，控制火灾的蔓延和扩大。
- 偏心阀轴和偏心蝶板的设计结构；**
阀杆采用符合国际标准的高强度不锈钢174PH材料。轴的两端装有不锈钢+RPTFE永久自润滑轴承，蝶板两端配有止推轴套，能有效控制蝶板定位，防止金属咬合，降低阀座与蝶板发生摩擦的磨损，保证蝶阀开关频繁的可靠性，大大减轻阀门开关的扭矩。
- 独特的开关与控制结构；**
2"-6"为手柄开关和近似流量百分比调节控制结构，还可随意按手柄总承的齿轮盘近似流量调整锁定功能，设有开关限位装置，8"以上的蝶阀可根据工况需要合理选型配装蜗轮或电动、气动装置。

- 1. Unique sealing structure of valve seat;**
The traditional centerline butterfly valve is lined with fluorine or rubber, and this product adopts an improved independent single-body S-shaped elastic sealing seat structure, using imported RPTFE material, which has good elasticity and long life, and can automatically compensate for changes in temperature and pressure. , And seal compensation for wear due to long-term switch use, can achieve two-way sealing without leakage; adopts movable insert structure, maintenance is fast and convenient, without removing the butterfly plate and valve stem, as long as the insert is removed on one side, the sealed valve can be replaced Seat and maintenance sealing surface.
- 2. Valve seat sealing;**
ANSI/FCI70-2 stipulates the leakage levels and test procedures of control valves, of which Class VI is the lowest leakage level. The high-performance wafer-type butterfly valve can achieve the bubble-free seal specified by MSS-SP61, which is higher than the VI level.
- 3. Fireproof and fireproof structure;**
The refractory butterfly valve is designed and implemented according to API607 standard. After the fire test, when the valve tail sealing ring made of non-metallic materials such as polytetrafluoroethylene decomposes or breaks at high temperature, it can be assisted by the internal pressure the sealing structure plays an instant sealing role, which can effectively prevent a large amount of leakage of the medium and control the spread and expansion of the fire.
- 4. Design structure of eccentric valve shaft and eccentric butterfly plate;**
The stem is made of high-strength stainless steel 174PH material that meets international standards. The two ends of the shaft are equipped with stainless steel + RPTFE permanent self-lubricating bearings, and the two ends of the butterfly plate are equipped with thrust sleeves, which can effectively control the positioning of the butterfly plate, prevent metal biting, reduce friction and wear between the valve seat and the butterfly plate, and ensure the butterfly valve switch. Frequent reliability greatly reduces the torque of the valve switch.
- 5. Unique switch and control structure;**
2"-6" is the handle switch and the approximate flow percentage adjustment control structure. It can also adjust the locking function according to the approximate flow of the gear plate of the handle. It is equipped with a switch limit device. Butterfly valves above 8" can be reasonable according to the working conditions The type selection is equipped with worm gear or electric and pneumatic devices.



手柄蝶阀尺寸表 Handle Butterfly Valve Size Table

DN50~DN300 815W-M(图 Figure1)

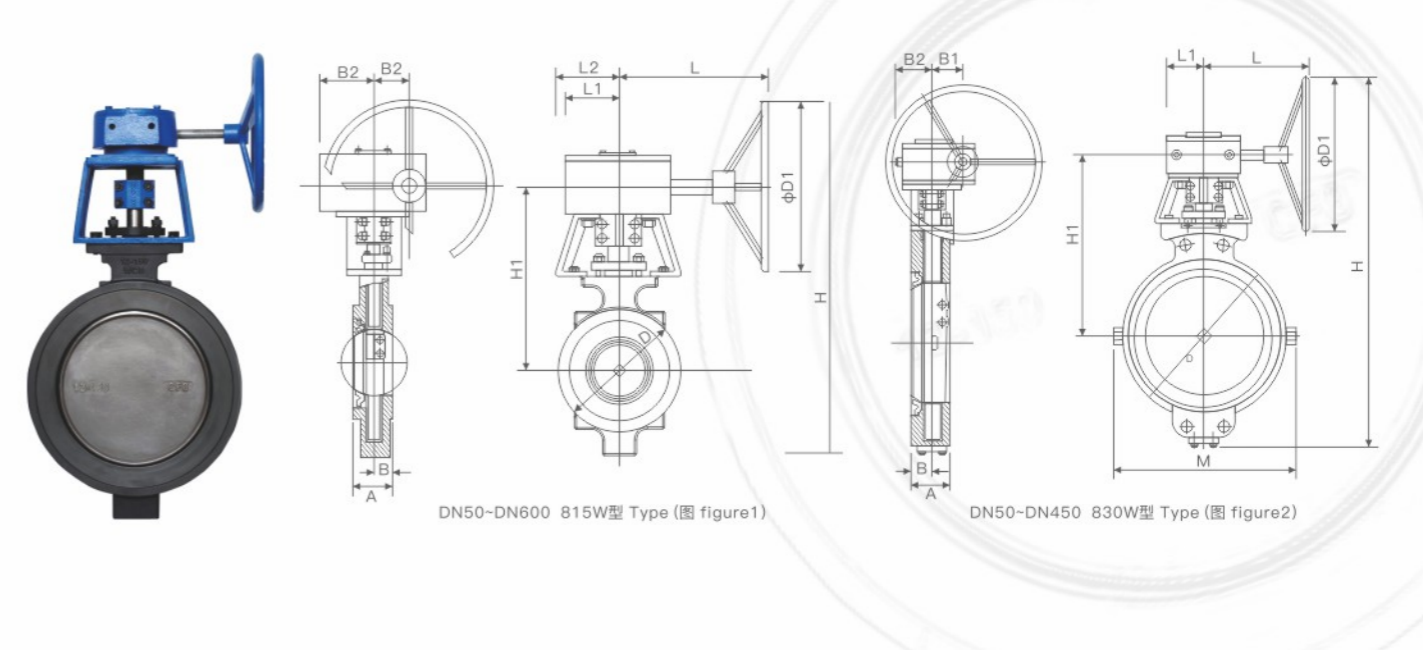
DN	近似尺寸(毫米)Approximate size (mm)											重量 Weight (kg)
	A	B	C	E	G	H	K	P	S扁势 Flat potential	X	Y*	
50	43.3	23.3	96	38	124.3	279	80	186.3	7	24	50	3.2
65	49	27	119	59	194	279	111	275	11.2	14.8	48	5
80	49	27	132	73	203	279	121	316	11.2	14.8	74	6
100	54	30	157	95	216	279	133	341	11.2	14.8	94	8
125	64	30	186	111	217	279	135	362	11.2	14.8	111	12
150	57	33	216	142	235	279	152	378	14	18	146	13
200	64	36	270	188	270	559	187	441	15.9	21.9	194	20
250	71	41	324	236	329	559	232	530.6	20.6	28	243	35
300	81	48	381	282	357	559	260	595.5	23.8	33.3	289	51

*符合API 609和MSS-SP 68对80号管子内径的间隙的要求。
Meet the requirements of API 609 and MSS-SP 68 on the gap of the inner diameter of pipe 80.

手柄蝶阀尺寸表 Handle Butterfly Valve Size Table

DN50~DN300 830W-M(图Figure2)

DN	近似尺寸(毫米)Approximate size (mm)														重量 Weight (kg)	
	A	B	C	D	E	F	G	K	L1	L2	M	P	S扁势 Flat potential	X		Y*
50	43.3	23.3	96	-	38	124.3	279	80	-	-	-	186.3	7	24	50	3.2
65	49	27	119	-	59	194	279	111	-	-	-	275	11.2	14.8	48	5
80	49	27	132	-	73	203	279	121	-	-	-	316	11.2	14.8	74	6
100	54	30	157	-	95	216	279	133	-	-	-	341	11.2	14.8	97	8
125	64	30	186	-	111	217	279	135	-	-	-	362	11.2	14.8	111	12
150	59	34	216	-	142	257	559	175	-	-	-	413	15.9	21.9	146	15
200	73	40	270	-	188	306	559	213	-	-	-	495	20.6	28	194	27
250	83	44	324	387	236	353	559	254	1~8	M27	4	592	23.8	33.3	243	48
300	92	50	381	451	282	389	-	283	1~1/8~8+	M30	4	675	28.7	37	289	66



蜗轮传动蝶阀尺寸表 Worm Gear Butterfly Valve Size Table

DN50~DN600 815W-G(图Figure1)

DN	A	B	D	D1	B1	B2	H	H1	L	L1	L2	蜗轮箱型号	近似总重量
												Worm boxes type	Gross weight
50	43.3	23.3	96	152	45	54	-	-	158	52	78	XJ 系列 蜗轮箱 XJ Series Worm box	13.2kg
65	49	27	119	152	45	54	438	281	158	52	78		14kg
80	49	27	132	152	45	54	480	291	158	52	78		15kg
100	54	30	157	152	45	54	504	303	158	52	78		17kg
125	64	30	186	152	45	54	526	305	158	52	78		20kg
150	57	33	216	300	63	87	629	330	238	77	-		30kg
200	64	36	270	300	63	87	709	365	238	77	-		40kg
250	71	41	324	300	63	87	824	439	238	77	-		60kg
300	81	48	381	300	63	87	890	467	238	77	-		75kg
350	92	52	413	460	90	107	1051	510	311	107	-		120kg
400	102	56	470	460	90	107	1084	533	311	107	-		150kg
450	114	67	533	460	90	107	1140	567	311	107	-		190kg
500	127	67	584	705	129	125	1291	563	428	125	-		240kg
600	154	76	692	705	129	125	1667	760	428	125	-		375kg

蜗轮传动蝶阀尺寸表 Worm Gear Butterfly Valve Size Table

DN50~DN450 830W-G(图 Figure2)

DN	A	D	D1	B1	B2	H	H1	L	L1	L2	蜗轮箱型号	近似总重量
											Worm boxes type	Gross weight
50	43.3	23.3	96	152	45	54	-	-	158	52	XJ 系列 蜗轮箱 XJ Series Worm box	14.3kg
65	49	27	132	152	45	54	480	291	158	52		15kg
80	49	27	132	152	45	54	480	291	158	52		15kg
100	54	30	157	152	45	54	504	303	158	52		17kg
150	59	34	216	300	63	87	656	350	238	77		35kg
200	73	40	270	300	63	87	759	420	238	77		50kg
250	83	44	324	460	90	107	943	474	311	107		80kg
300	92	50	381	460	90	107	1019	503	311	107		100kg
350	118	59	413	705	129	125	1181	510	428	125		210kg
400	133	62	470	750	52	-	1275	550	430	180		290kg
450	149	75	533	750	52	-	1605	715	430	180		410kg

HYDRAULIC CONTROL VALVE SERIES

水力控制阀系列



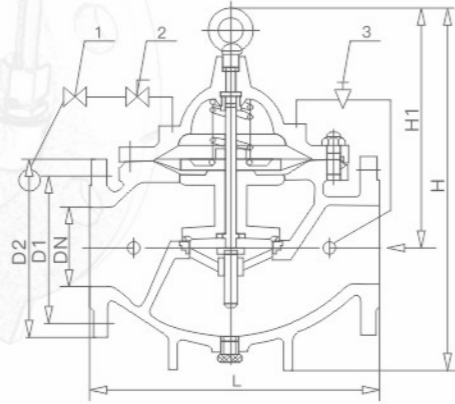
产品概述 Product Overview

水力控制阀就是用水压控制的阀门，它由一个主阀及其附设的导管、导阀、针阀、球阀和压力表等组成。根据使用目的、功能的不同可分为遥控浮球阀、减压阀、缓闭止回阀、流量控制阀、泄压阀、水力电动控制阀等。水力控制阀分隔膜型和活塞型两类，工作原理相同，都是以上下浮压力差 ΔP 为动力，由导阀控制，使隔膜(活塞)液压工差动作，完全由水力自动调节，从而使主阀阀盘完全开启或完全关闭或处于调节状态。当进入隔膜(活塞)上方控制室内的压力水被排到大气或下游低压区时，作用在阀盘底部和隔膜下方的压力值就大于下方的压力值，所以会把主阀阀盘压到完全关闭的位置；当隔膜(活塞)上方控制室内的压力值处于入口压力与出口压力中间时，主阀阀盘就处于调节状态，其调节位置取决于导管系统中的针阀和可调导阀的联合控制作用。可调导阀可以通过下游的压力并随它的变化而开大或关小其自身的小阀口，从而改变隔膜(活塞)上方控制室的压力值，控制主阀阀盘调节位置。广泛应用于水处理工程、输水工程、管网系统、工业用水领域。

The hydraulic control valve is a valve controlled by water pressure. It consists of a main valve and its attached catheter, pilot valve, needle valve, ball valve and pressure gauge. According to different purposes and functions, it can be divided into remote control float valve, pressure reducing valve, slow closing check valve, flow control valve, pressure relief valve, hydraulic electric control valve, etc. The hydraulic control valve is divided into two types: the diaphragm type and the piston type. The working principle is the same. Both are based on the upper and lower floating pressure difference ΔP as the power. Therefore, the valve disc of the main valve is completely opened or completely closed or is in an adjusted state. When the pressure water entering the control chamber above the diaphragm (piston) is discharged to the atmosphere or downstream low pressure area, the pressure value acting on the bottom of the valve disc and below the diaphragm is greater than the pressure value below, so the main valve disc will be pressed to the full closed position; when the pressure value in the control chamber above the diaphragm (piston) is between the inlet pressure and the outlet pressure, the valve disc of the main valve is in the adjustment state, and its adjustment position depends on the needle valve and the adjustable pilot valve in the catheter system Joint control role. The adjustable pilot valve can open or close its own small valve port through the downstream pressure and change with it, thereby changing the pressure value of the control chamber above the diaphragm (piston) and controlling the adjustment position of the main valve disc. Widely used in the fields of water treatment engineering, water delivery engineering, pipe network system, industrial water.

主要零件材质 Main Part Materials

序号 No.	零件	Parts	材质	Material	标准 Standard
1	阀体	Body	球墨铸铁	Ductile iron	GJS 500-7
2	阀座	Seat	铜合金	Copper alloy	C37710
3	O型圈	O-ring	橡胶	Rubber	NBR
4	螺钉	Screws	不锈钢	Stainless steel	A2
5	垫片	Gasket	不锈钢	Stainless steel	A2
6	螺栓	Bolt	不锈钢	Stainless steel	A2-70
7	阀盖	Cap	球墨铸铁	Ductile iron	GJS 500-7
8	轴套	Bushing	铜合金	Copper alloy	C37710
9	止推螺母	Thrust nut	不锈钢	Stainless steel	AISI 304
10	止推轴承	Thrust bearing	不锈钢	Stainless steel	AISI 304
11	膜片	Diaphragm	橡胶+尼龙	Rubber + nylon	EPDM+Nylon Fabric
12	膜片压板	Diaphragm pressure plate	球墨铸铁	Ductile iron	GJS 500-7
13	定位销	Positioning pin	不锈钢	Stainless steel	AISI 304
14	支撑架	Support frame	球墨铸铁	Ductile iron	GJS 500-7
15	密封圈	Sealing ring	橡胶	Rubber	EPDM
16	导向压板	Guide plate	球墨铸铁	Ductile iron	GJS 500-7
17	阀杆	Stem	不锈钢	Stainless steel	AISI 304
18	堵头	Plug	不锈钢	Stainless steel	AISI 304
19	O型圈	O-ring	橡胶	Rubber	NBR
20	顶帽	Top hat	不锈钢	Stainless steel	AISI 304
21	堵头	Plug	不锈钢	Stainless steel	AISI 304



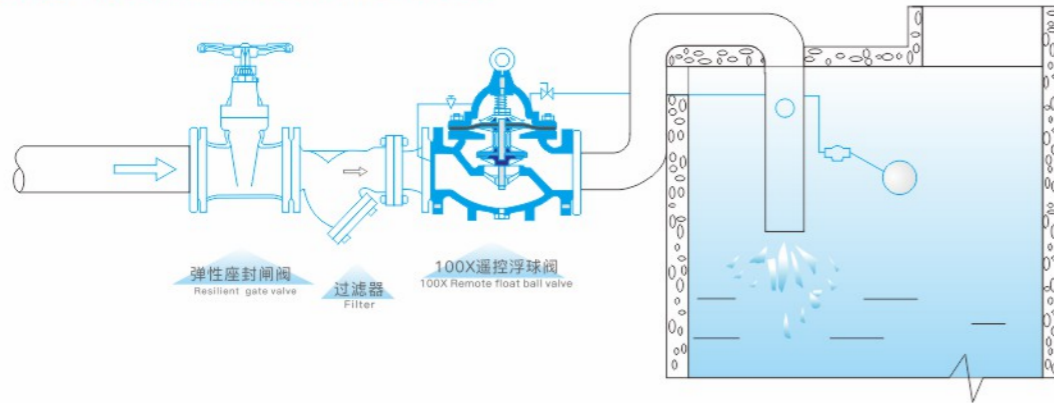
- 1、浮球导阀
- 2、球阀
- 3、针型阀
- 1. Float pilot valve
- 2. Ball valve
- 3. Pintle valve

产品概述 Product Overview

100X隔膜式遥控浮球阀是兼具多种功能的水力操作式阀门。主要安装于水池或高架水塔的进水口处，当水位达到设定的高度时，主阀由浮球导阀控制关闭进水口停止供水；当水位下降后，主阀由浮球开关控制打开进水口向水池注水，实现自动补水。液位控制精确，不受水压干扰；100X隔膜式遥控浮球阀可随水池的高度及使用空间任意位置安装，维护、调试、检查方便、密封可靠，使用寿命长。隔膜式阀门性能可靠、强度高、动作灵活，适用于DN450mm口径以下的管道。DN500mm口径以上的建议使用活塞式。

100X Diaphragm remote control floating valve is a hydraulic valve possessing multiple functions, mainly installed in the pools or at the intake of elevated towers. when the level of water reaches the height set, the main valve is controlled by a floating pilot valve to close water intake to stop water supply; when the level of water has dropped, the main valve controlled by the floating pilot valve opens water inlet to transport water into the pool, achieving automatic replenishment. The level of water is controlled precisely, without water pressure interference; the diaphragm type remote control floating valve can be installed in any position depending on the height of the pool and available space with convenient maintenance, testing and inspection, as well as reliable seal performance and long service life. The diaphragm type valve has reliable performance, high strength and stable action, suitable for the pipelines of less than DN450mm. Pipelines of more than DN500mm is advised to use piston type.

典型安装示意图 Typical Installation Instruction

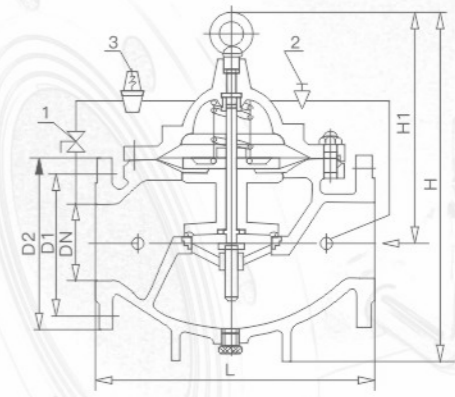


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 219标准。Note: The Face to Face in this table is in accordance with CJ/T 219 standard.



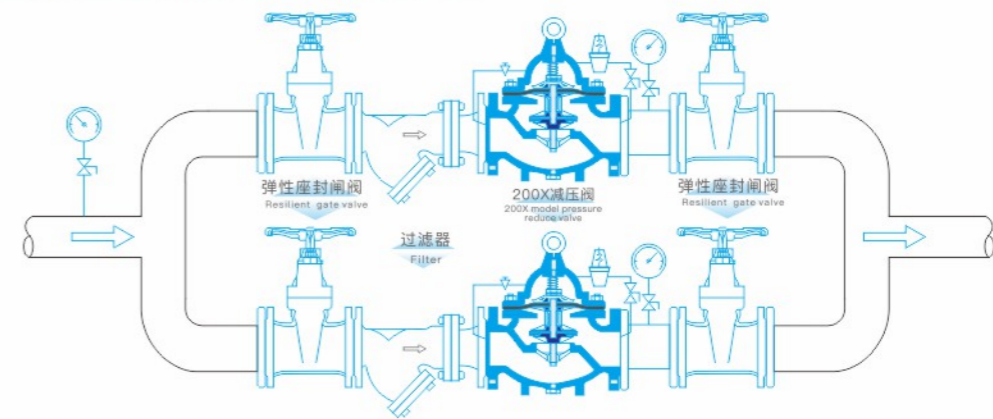
- 1、浮球导阀
- 2、球阀
- 3、针型阀
- 1. Float pilot valve
- 2. Ball valve
- 3. Pintle valve

产品概述 Product Overview

200X减压稳压阀，是一种利用介质自身能量来调节与控制管路压力的智能型阀门。该阀用于生活给水、消防给水及其他工业给水系统，通过调节减压导阀，即可调节主阀的出口压力。出口压力不因进口压力、进口流量的变化而变化，安全可靠地将出口压力维持在设定值上，并可根据需要调节设定值以达到减压目的。该阀减压精确，性能稳定、安全可靠，安装调节方便，使用寿命长。

200X Pressure reducing and stabilizing valve is an intelligent valve which uses the energy of the medium itself to regulate and control the pipeline pressure. The valve is used in domestic water supply, fire water supply and other industrial water supply systems. The outlet pressure of the main valve can be adjusted by regulating the pressure reducing pilot valve. The outlet pressure does not change with the change of the inlet pressure and the inlet flow. The outlet pressure can be safely and reliably maintained at the set value, and the set value can be adjusted as required to achieve the purpose of reducing pressure. The valve has the advantages of accurate pressure reduction, stable performance, safety and reliability, convenient installation and adjustment, and long service life.

典型安装示意图 Typical Installation Instruction

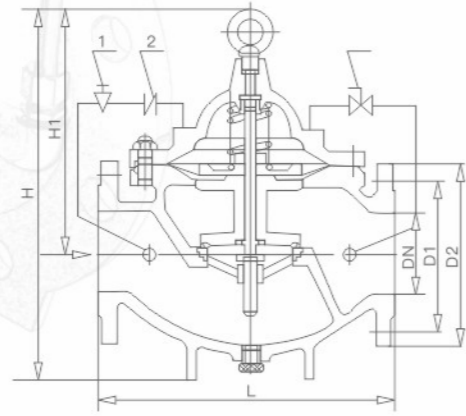


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 219标准。Note: The Face to Face in this table is in accordance with CJ/T 219 standard.



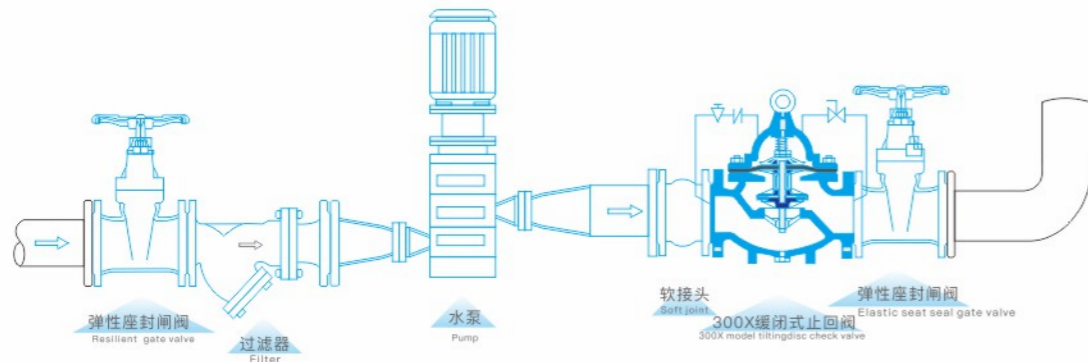
- 1、针型阀
- 2、止回阀
- 3、小球阀
- 1. Pintle valve
- 2. Check valve
- 3. Small ball valve

产品概述 Product Overview

300X缓闭式止回阀是安装在高层建筑给水系统以及其他给水系统的水泵出口处、防止介质倒流、水锤及水击现象的智能型阀门。该阀兼具电动阀、逆止阀和水锤消除器三种功能，可有效地提高供水系统的安全可靠性。并将缓开、速闭、缓闭消除水锤的技术原理一体化，防止开泵水锤和停泵水锤的产生。只需操作水泵电机启闭按钮，阀门即可按照水泵操作规程自动实现启闭，流量大、压力损失小。适用于DN600mm口径以下的阀门。

300X Slow-closure check valve is an intelligent valve installed at the pump outlet of high buildings water supply system and other water supply systems to prevent media from flowing back and phenomena of water hammer and water hitting. The valve even possesses functions of electric valve, check valve and water hammer eliminator, which can effectively improve the safety and reliability of the water supply system. It also integrates the technological principles of slow opening, quick closing and slow closing to eliminate water hammer, in order to prevent generating water hammer of opening the pump and water hammer of stopping the pump. The valve can switch automatically in accordance with the rules of pumps as long as you operate switch button on the pump motor, with large flow and small pressure loss. It is applicable to valves of less than DN600mm.

典型安装示意图 Typical Installation Instruction

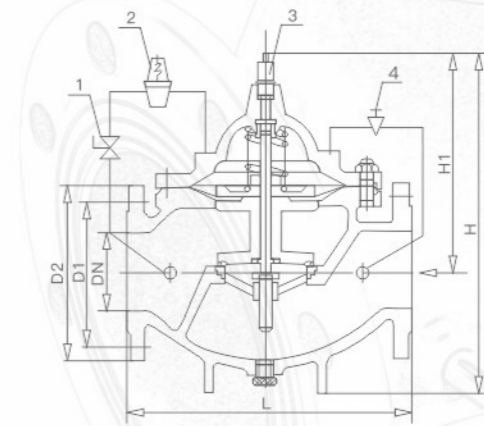


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022

注：本表中结构长度按CJ/T 219标准。Note: The Face to Face in this table is in accordance with CJ/T 219 standard.



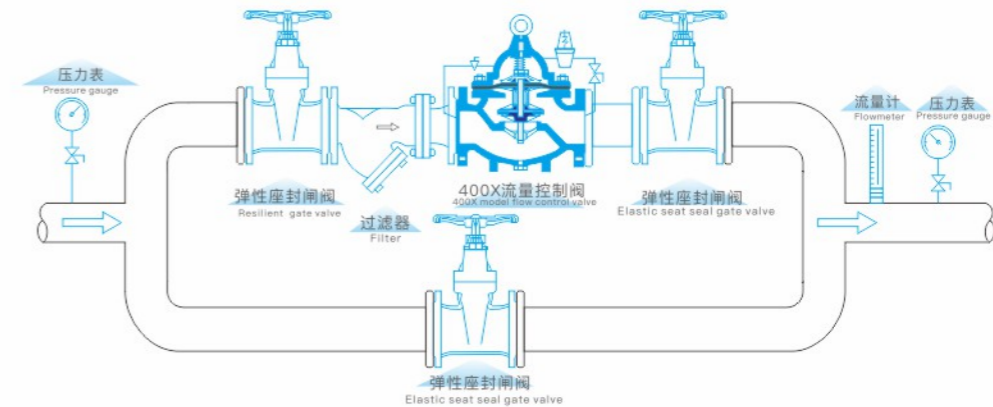
- 1、小球阀
- 2、导阀
- 3、流量调节器
- 4、针型阀
- 1. Small ball valve
- 2. Pilot valve
- 3. Flow regulator
- 4. Pintle valve

产品概述 Product Overview

400X流量控制阀，是一种采用高精度先导式方式控制流量的多功能阀门。适用于配水管需控制流量和压力的管路中，保持预定流量不变，将过大流量限制在一个预定值，并将上游高压适当减低，即使主阀上游的压力发生变化，也不会影响主阀下游的流量。该阀一改常规节流阀使用孔板或纯机械地减小流域面积的原理，利用相关导阀，最大限度地减少能量在节流过程中的损失。如遇紧急情况400X流量控制阀可以完全截止流量，避免损失。控制灵敏度高，安全可靠，调试简便，使用寿命长。

400X Flow control valve is a multifunctional high-precision pilot-way flow control valve which is suitable for some of water distribution pipelines needing to control flow and pressure to maintain the predetermined flow and limit the excessive flow at a predetermined value. It can also reduce high upstream pressure appropriately. As a result, even if the upstream pressure of the main valve changes, the downstream flow of the main valve is not affected. The valve changes the principles that conventional throttling valve reduces drainage area purely mechanically or by the pore plate and minimize energy loss in the throttling process by using relevant pilot valves. In case of emergency, 400X flow control valve can completely cut off the flow and avoid loss. It has high sensitivity of control, safety, reliability, easy debugging and long service life.

典型安装示意图 Typical Installation Instruction

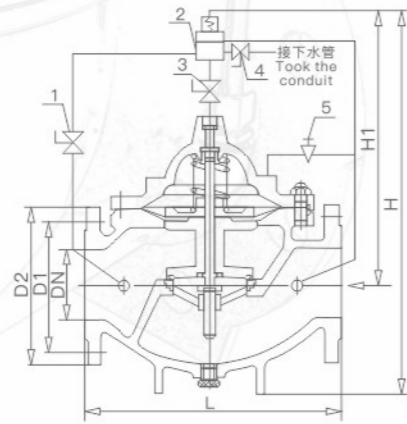


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022

注：本表中结构长度按CJ/T 219标准。Note: The Face to Face in this table is in accordance with CJ/T 219 standard.



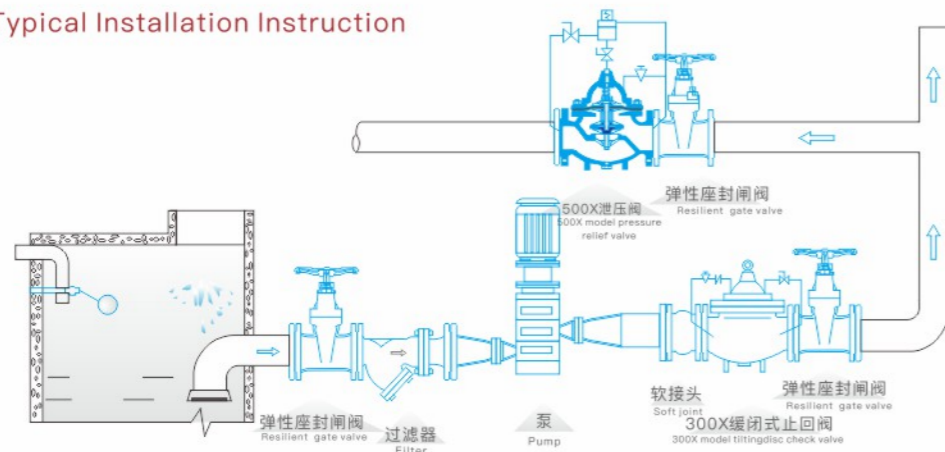
- 1、小球阀
 - 2、导阀
 - 3、小球阀
 - 4、小球阀
 - 5、针型阀
- 1. Small ball valve
 - 2. Pilot valve
 - 3. Small ball valve
 - 4. Small ball valve
 - 5. Pintle valve

产品概述 Product Overview

500X泄压/持压阀主要用于消防或其他供水系统中，以防止系统超压或维持消防供水系统的压力。消防泵关闭后还可以减小水锤的冲击。也用于大型供水系统的水锤消除装置。并且阀门控制系统的进口处装有一个自清洁滤网，利用流体特性，使比重较大、直径较大的悬浮颗粒不会进入控制系统，确保系统循环畅通无阻，使阀门能安全可靠地运行。系统动作平稳、强度高、使用寿命长。适用于DN600mm口径以下的管道。

500X Pressure relief/holding pressure valve is mainly used for fire protection or other water supply systems to prevent systems over pressure or maintain the water supply pressure of fire protection system. Closing of the fire protection pumps can reduce the impact of water hammer. The valve is also used for eliminating water hammer devices of large-scale water supply system. What's more, at the inlet of valve control system is a self-cleaning filter which makes suspended particles with larger proportion and diameter not enter the control system by using characteristic of flow to ensure smooth system circulation so that the valve can operate safely and reliably. It has stable system operation, high strength, long service life. The valve is applicable to pipelines of less than DN600mm.

典型安装示意图 Typical Installation Instruction

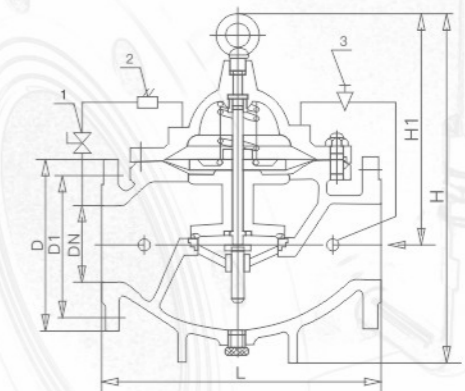


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 219标准。Note: The Face to Face in this table is in accordance with CJ/T 219 standard.



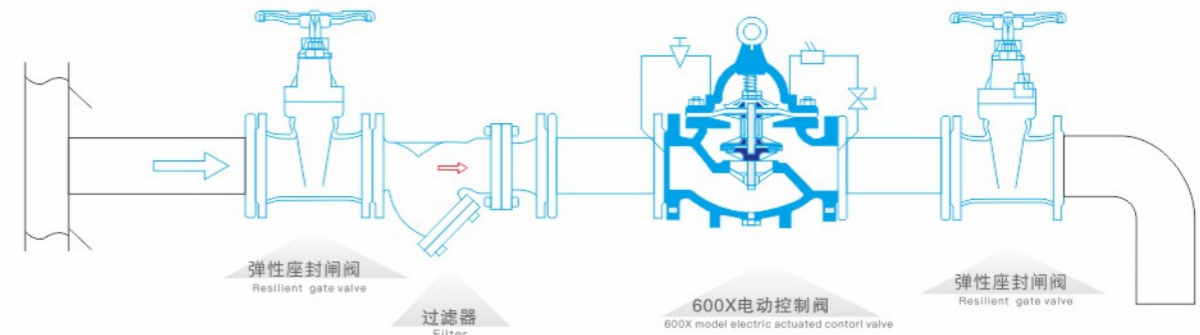
- 1、小球阀 Small ball valve
- 2、电磁阀 Solenoid valve
- 3、针型阀 Pintle valve

产品概述 Product Overview

600X电动控制阀是一种以电磁阀为导阀的水力操作式阀门。常用于给排水及工业系统中的自动控制，控制反应准确快速，根据电信号遥控开启和关闭管路系统，实现远程操作。并可取代闸阀和蝶阀用于大型电动操作系统。阀门关闭速度可调，平稳关闭而不产生压力波动。该阀门体积小、重量轻、维修简单、使用方便、安全可靠。电磁阀可选用交流电220V，可根据各种场合选用常开或常闭型均可。

600X Electric control valve is a hydraulic valve which uses electromagnetic valve as a pilot valve, which is normally used for automatic control of water supply and drainage systems and industrial systems. The reaction of control is quick and accurate and it opens and closes the pipeline system according to remote control by electrical signal, achieving distant operation. It can replace gate valve and butterfly valve used for the large electric operating system. The speed of valve closing is adjustable, with smooth closing and without generating pressure fluctuations. The valve has small size, light weight, easy maintenance, easy application, safety and reliability. The electromagnetic valve can choose AC 220V, available to choose normally opening type or normally closing type according to various occasions.

典型安装示意图 Typical Installation Instruction

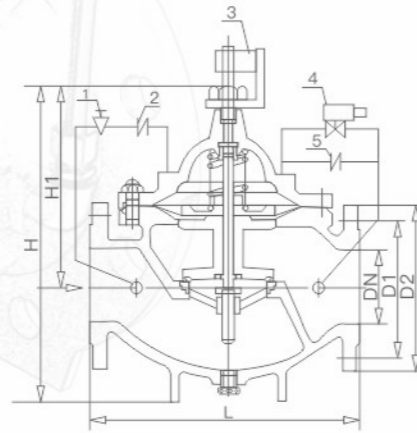


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 219标准。Note: The Face to Face in this table is in accordance with CJ/T 219 standard.



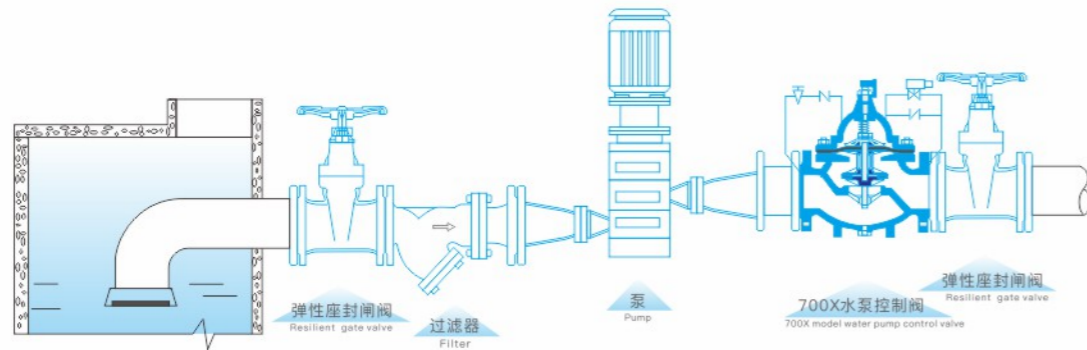
- 1、针型阀
 - 2、止回阀
 - 3、行程开关
 - 4、电磁阀
 - 5、止回阀
- 1. Pintle valve
 - 2. Check valve
 - 3. Stroke switch
 - 4. Solenoid valve
 - 5. Check valve

产品概述 Product Overview

700X水泵控制阀，是一种安装在高层建筑以及其他给水系统的水泵出口处，防止介质倒流的逆止类阀门。当水泵即将停止供水前，阀门先行缓慢关闭90%左右，防止突然停泵而产生的水锤和水击声；当水泵完全停止后，阀门再完全关闭，防止泵出的水回流，有效地保护水泵，免受回流的冲击而产生反转。该产品是水泵出口必不可少的保护装置。阀门呈流线型设计，通过电磁阀的导控实现准确的启闭，使用安全可靠，有效地防止水锤和水击声，使用寿命长，安装、维修方便。

700X Water pump control valve, is a check valve which installed on pump outlet of high rise construction and other water supply system, avoid fluid backwards. Before water pump will stop supply water, valve close around 90% slowly, to avoid happen counter weight and water hammer noise when pump stop suddenly; after water pump stopped, then valve fully closed, avoid pumping water backwards, so that effective protect the water pump don't reverse by backwards fluid impacted. This product is a necessary protect device for water pump outlet. Valve is streamline design, use solenoid valve's pilot control achieve accurate open/close, use safety, effectively avoid counter weight and water hammer noise, long life span, easy installation and maintenance.

典型安装示意图 Typical Installation Instruction

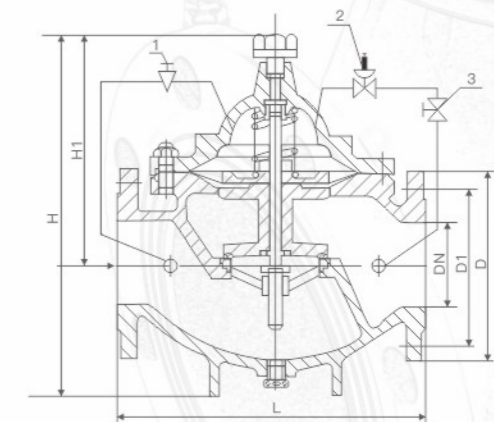


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 167标准。Note: The Face to Face in this table is in accordance with CJ/T 167 standard.



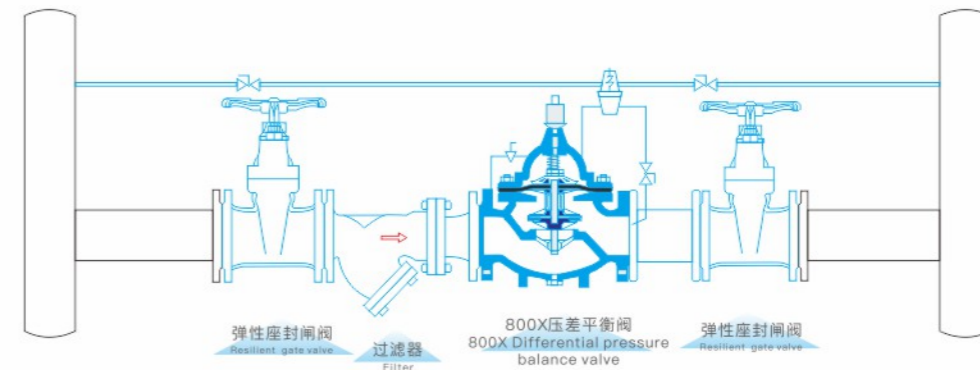
- 1、针型阀
 - 2、导阀
 - 3、球阀
- 1. Needle valve
 - 2. Pilot valve
 - 3. Ball valve

产品概述 Product Overview

800X压差平衡阀是一种用于空调系统供水和回水之间以平衡压差的阀门。该阀门可提高系统的利用率，保持压差的精确恒定值，并可最大限度地降低系统的噪音，以及过大压差对设备造成的损坏。800X压差平衡阀优越于其他平衡阀的地方在于它没有执行机构，完全靠介质自身的压力差来达到平衡系统的功能，节约能源及安装空间，是一种智能型阀门。

800X Differential pressure balance valve is a kind of valve used to balance the differential pressure between water supply and return water of air conditioning system. The valve can improve the utilization rate of the system, keep the accurate constant value of the pressure difference, and minimize the noise of the system and the damage to the equipment caused by the excessive pressure difference. The advantage of 800X differential pressure balance valve over other balance valves lies in that it has no actuator, completely relies on the pressure difference of medium itself to achieve the function of balance system, saves energy and installation space, and is an intelligent valve.

典型安装示意图 Typical Installation Instruction

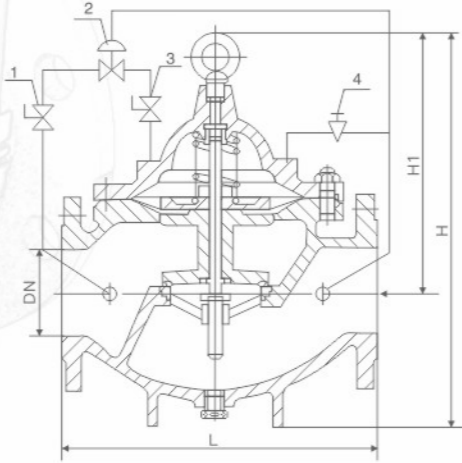


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 219-2017标准。Note: the structural length in this table is in accordance with CJ/T 219-2017 standard.



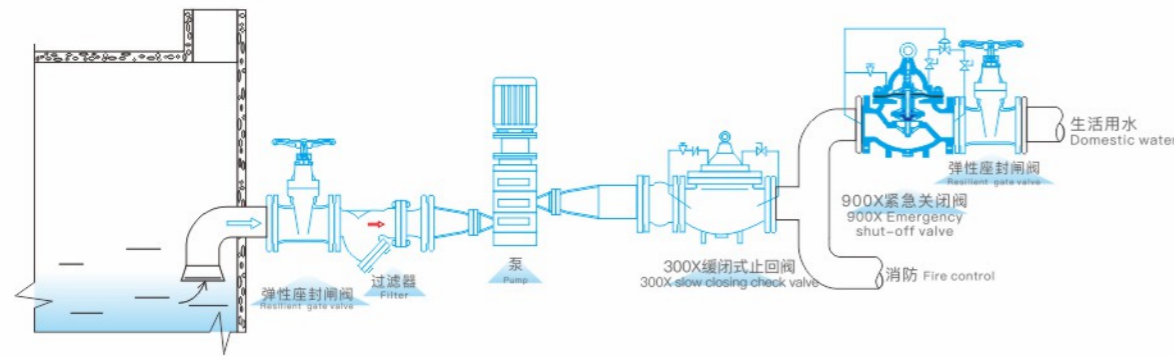
- 1、小球阀
- 2、导阀
- 3、小球阀
- 4、针型阀

产品概述 Product Overview

900X紧急关闭阀，是一种用于消防用水与生活用水并联的供水系统中，用来调配供水方向的阀门。当火灾发生时，消防急需大量用水，900X紧急关闭阀立即切断生活用水，确保足够的消防用水；当消防停止用水压力减小时，阀门自动打开，呈常开状态，恢复生活供水。该阀使系统无须另设专门的消防单独供水管网，大大地节约了建设成本和用水量。阀门控制灵敏度高，安全可靠，调试简便，使用寿命长。

900X Emergency shut-off valve is a kind of valve used in the parallel water supply system of fire fighting water and domestic water to allocate water supply direction. In case of fire, a large amount of water is urgently needed for fire fighting. The 900X emergency shut-off valve immediately cuts off the domestic water to ensure enough fire fighting water. When the pressure of water for fire fighting stops decreasing, the valve will automatically open in a normally open state to restore the domestic water supply. The valve makes the system not need to set up a special fire-fighting separate water supply pipe network, greatly saving the construction cost and water consumption. The valve has high control sensitivity, safety and reliability, easy debugging and long service life.

典型安装示意图 Typical Installation Instruction

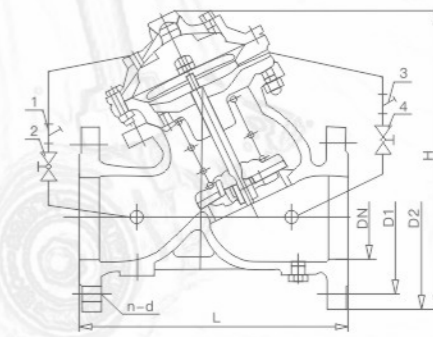


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

公称通径 DN Nominal diameter	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	
L	PN1.0MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
	PN1.6MPa	215	240	255	290	310	360	430	510	600	630	700	742	775	925	1100	1210
H1	152	145	167	232	288	342	413	502	600	600	685	685	880	1050	1225	1400	
H	250	250	271	375	455	502	636	781	913	913	1035	1035	1300	1535	1793	2022	

注：本表中结构长度按CJ/T 219-2017标准。Note: the structural length in this table is in accordance with CJ/T 219-2017 standard.



- 1、过滤器
- 2、小球阀
- 3、过滤器
- 4、小球阀

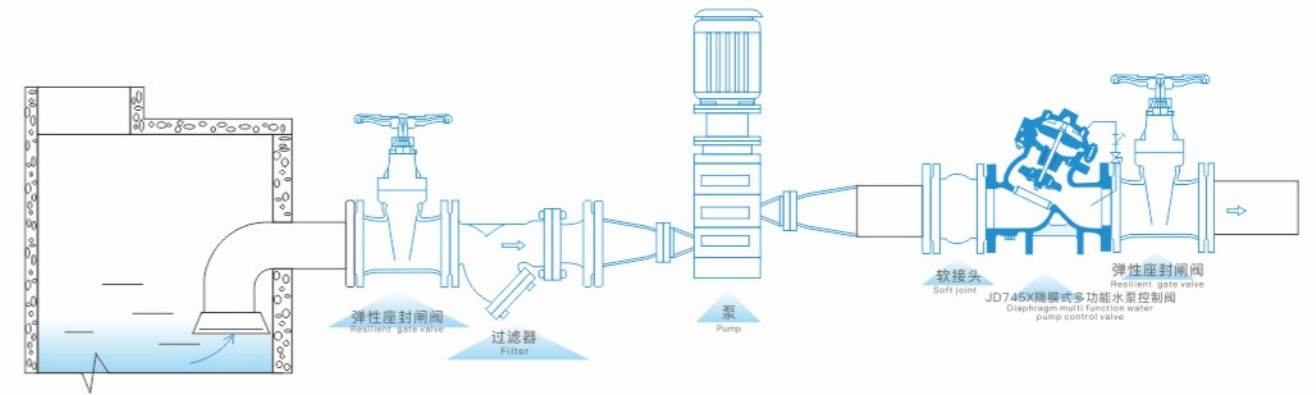
- 1. Strainer
- 2. Small ball valve
- 3. Strainer
- 4. Small ball valve

产品概述 Product Overview

JD745X隔膜式多功能水泵控制阀是安装在高层建筑给水系统以及其他给水系统的水泵出口处、防止介质倒流、水锤及水击现象的智能型阀门。该阀兼具电动阀、逆止阀和水锤消除器三种功能，可有效地提高供水系统的安全可靠性。并将缓开、速闭、缓闭消除水锤的技术原理一体化，防止开泵水锤和停泵水锤的产生。只需操作水泵电机启闭按钮，阀门即可按照水泵操作规程自动实现启闭，流量大、压力损失小。隔膜式适用于DN600mm口径以下的阀门。

JD745X Diaphragm multifunctional water pump control valve is an intelligent valve installed at the pump outlet of high buildings water supply system and other water supply systems to prevent media from flowing back and phenomena of water hammer and water hitting. The valve even possesses functions of electric valve, check valve and water hammer eliminator, which can effectively improve the safety and reliability of the water supply system. It also integrates the technological principles of slow opening, quick closing and slow closing to eliminate water hammer, in order to prevent generating water hammer of opening the pump and water hammer of stopping the pump. The valve can switch automatically in accordance with the rules of pumps as long as you operate switch button on the pump motor, with large flow and small pressure loss. The diaphragm type is suitable for valves of less than DN600mm.

典型安装示意图 Typical Installation Instruction

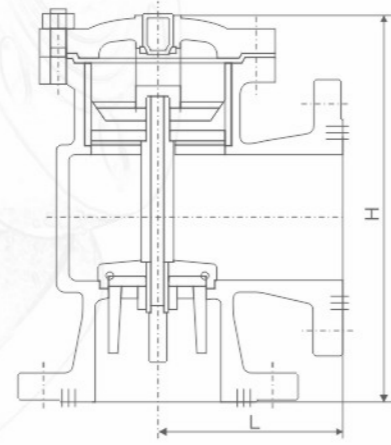


主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	
L	PN1.0MPa	240	300	310	320	390	460	540	610	700	800	980	1050	1100	1300	1520	1750	1800	2000	2350
	PN1.6MPa	240	300	310	320	390	460	540	640	800	800	980	1050	1140	1350	1550	1750	1850	2050	2400
	PN2.5MPa	250	300	310	350	410	470	560	670	800	820	1000	1060	1140	1350	1550	1750	1900	-	-
	PN4.0MPa	265	340	340	370	420	470	560	670	860	940	1020	1100	1180	-	-	-	-	-	-
H	293	328	364	418	481	543	673	729	927	957	1188	1218	1256	1600	1800	1870	1980	2300	2860	

注：本表中结构长度按CJ/T 167标准。Note: The Face to Face in this table is in accordance with CJ/T 167 standard.

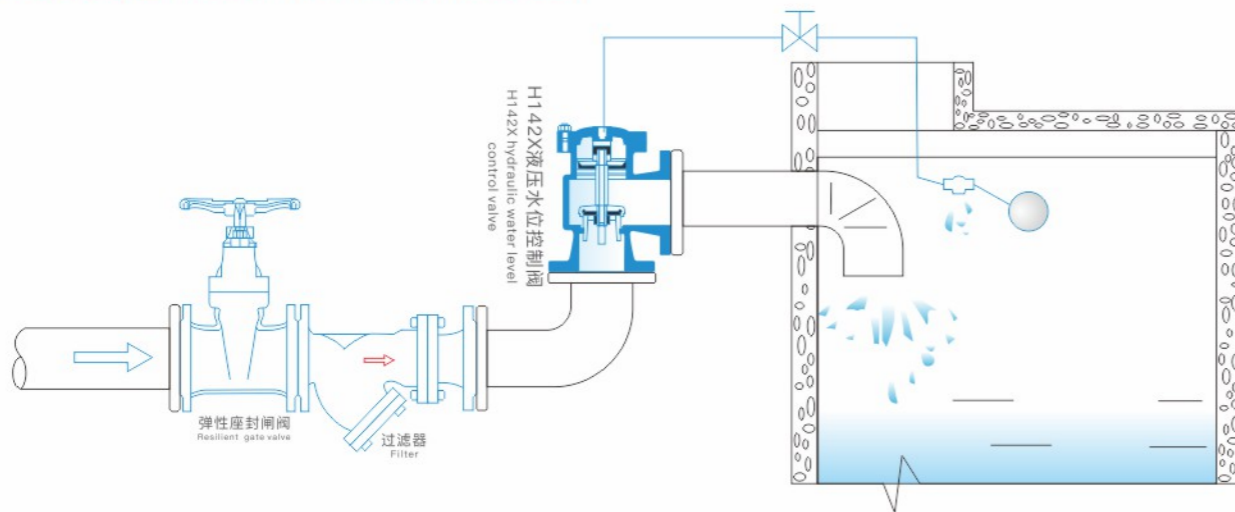


产品概述 Product Overview

H142X 液压水位控制阀，是一种自动控制水箱、水塔液面高度的水力控制阀。当水面下降超过预设值时，浮球阀打开，活塞上腔室压力降低，活塞上下形成压差，在此压差作用下阀瓣打开进行供水作业；当水位上升到预设高度时，浮球阀关闭，活塞上腔室压力不断增大致使阀瓣关闭停止供水。如此往复自动控制液面的设定高度，实现自动供水功能。

H142X Hydraulic water level control valve is a hydraulic control valve that automatically controls the liquid level of water tank and water tower. When the water level drops beyond the preset value, the float valve opens, the pressure in the upper chamber of the piston decreases, and a pressure difference is formed between the upper and lower of the piston. Under this pressure difference, the valve flap opens to perform water supply operation; Closed, the pressure in the upper chamber of the piston continues to increase, causing the flap to close and stop the water supply. In this way, the set height of the liquid level is automatically controlled back and forth to realize the automatic water supply function.

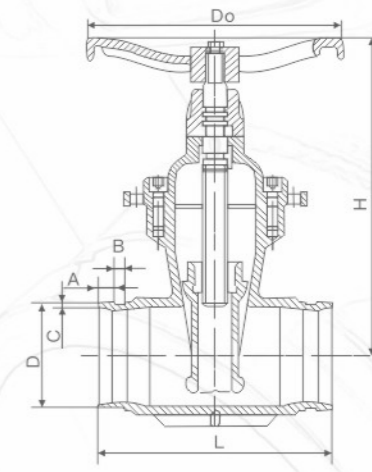
典型安装示意图 Typical Installation Instruction



主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

DN(mm)	40	50	65	80	100	125	150	200	250	300	350
L	107	115	125	135	146	165	180	215	255	285	325
H	235	243	258	280	307	358	400	490	576	663	750



产品概述 Product Overview

沟槽式暗杆弹性座封闸阀是一种软密封闸阀是引进国外技术生产的新型闸阀产品，拥有传统闸阀所不具备的多种优势，应用范围广泛。它具有开关轻巧、密封可靠、弹性记忆佳及使用寿命长等显著优点。沟槽闸阀重量轻，本体采用球墨铸铁制成，重量较传统闸阀重量减轻约20%-30%，安装维修方便。广泛用于自来水、污水、建筑、石油、化工、食品、医药、轻纺、电力、船舶、冶金、能源系统等流体管线上作为调节和截流装置使用。

Groove type concealed stem elastic seat sealed gate valve is a kind of soft sealed gate valve, which is a new type of gate valve product produced by introducing foreign technology. It has many advantages that traditional valves do not have and has a wide range of applications. The utility model has the advantages of light switch, reliable sealing, good elastic memory and long service life. The groove gate valve is light in weight, and the body is made of nodular cast iron. Compared with the traditional gate valve, the weight is reduced by about 20%-30%. It is easy to install and maintain. It is widely used in water, sewage, construction, petroleum, chemical industry, food, medicine, light textile, electric power, ship, metallurgy, energy system and other fluid pipelines as regulating and intercepting devices.

主要技术参数 Main Technical Parameters

公称口径 Nominal diameter	公称压力(MPa) Nominal pressure	密封试验(MPa) Sealing test	壳体试验压力(MPa) Shell test pressure	介质温度 Medium temperature	适用介质 Applicable medium
DN50-DN300	1.0/1.6	1.1/1.76	1.5/2.4	0~70℃	清水、污水、原水 Clear water, sewage and raw water

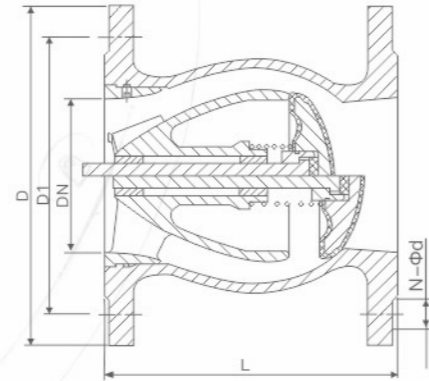
主要零件材质 Main Part Materials

名称 Name	阀体 Body	阀芯 Spool	阀芯橡胶 Spool rubber	阀盖 Bonnet	阀杆 Stem	卡环 Snap ring	压盖 Gland	支架 Yoke	密封圈 Seal ring	手轮 Handwheel	螺栓 Bolt
材质 Material	球墨铸铁 Ductile iron	球墨铸铁 Ductile iron	EPDM或 NBR	球墨铸铁 Ductile iron	2Cr13	青铜 Bronze	球墨铸铁 Ductile iron	球墨铸铁 Ductile iron	NBR	球墨铸铁 Ductile iron	8.8镀锌 Galvanized

主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

公称口径 (mm) Nominal diameter	50	65	80	100	125	150	200	250	300		
D	57	60	76	89	108	114	133	159	219	273	325
							140	165			
A	14.5	14.5	14.5	16	16	16	19	19	19	19	
B	9.5	9.5	9.5	9.5	9.5	9.5	13	13	13	13	
C	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.5	3.3		
L	145	180	180	180	200	240	275	325	355		
H	325	455	455	455	500	620	750	880			
D0	180	200	200	200	240	320	320	400			



产品概述 Product Overview

DRVZ静音式止回阀主要由阀体、阀座、导流体、阀瓣、轴承及弹簧等主要零件组成，内部流道采用流线型设计压力损失极小。阀瓣启闭行程很短泵时可快速关闭防止巨大的水锤声具有静音关闭的特点。主要用于给排水、消防、暖通系统可安装于水泵出口处以防止倒流及水锤对泵的损失。

DRVZ Silent check valve is mainly composed of main parts such as body, seat, guide body, valve disc, bearing and spring, and its internal flow passage adopts streamlined design with minimal pressure loss. The valve flap can be quickly closed when the opening and closing stroke is very short, which can prevent the huge water hammer sound and has the characteristics of silent closing. It is mainly used for water supply and drainage, fire fighting, heating and ventilation system, which can be installed at the outlet of water pump to prevent backflow and water hammer damage to the pump.

主要技术参数 Main Technical Parameters

产品型号 Model	DRVZ
公称口径 Nominal diameter	2"-12"(DN50-DN300)
公称压力 Nominal pressure	PN10/16/25
适用介质 Applicable medium	清水 Clean water
适用温度 Applicable temperature	-10°C~80°C

主要零件材质 Main Part Materials

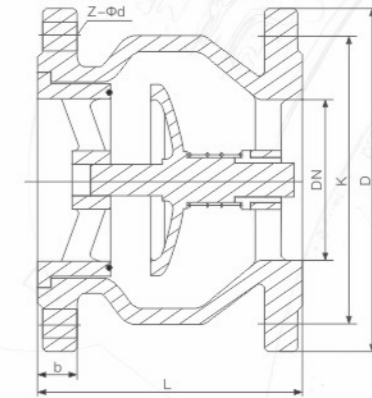
零件名称 Part name	材质 Material	零件名称 Part name	材质 Material
阀体 Body	GJS 500-7	垫片 Gasket	EPDM
阀瓣 Disc	GJS 500-7+EPDM	阀瓣螺母 Disc nut	AISI 304
弹簧 Spring	AISI 304	导套 Guide sleeve	C61900
O型圈 O-ring	NBR	导流体 Baffle	GJS 500-7
阀杆 Stem	AISI 304		

主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

公称口径 Nominal diameter		L	D			D1			N-φd		
DN(mm)	NPS(in)		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
50	2"	150	165	165	165	125	125	125	4-φ19	4-φ19	4-φ19
65	2.5"	170	185	185	185	145	145	145	4-φ19	4-φ19	8-φ19
80	3"	180	200	200	200	160	160	160	8-φ19	8-φ19	8-φ19
100	4"	190	220	220	235	180	180	190	8-φ19	8-φ19	8-φ23
125	5"	200	250	250	270	210	210	220	8-φ19	8-φ19	8-φ28
150	6"	210	285	285	300	240	240	250	8-φ23	8-φ23	8-φ28
200	8"	230	340	340	360	295	295	310	8-φ23	12-φ23	12-φ28
250	10"	250	395	405	425	350	355	370	12-φ23	12-φ28	12-φ31
300	12"	270	445	460	485	400	410	430	12-φ23	12-φ28	16-φ31

注：本表中法兰尺寸按GB/T17241.6-2008标准，结构长度按GB/T 12221-2005标准。
Note: the flange size in this table is in accordance with GB/T17241.6-2008, and the structure length is in accordance with GB/T 12221-2005.



产品概述 Product Overview

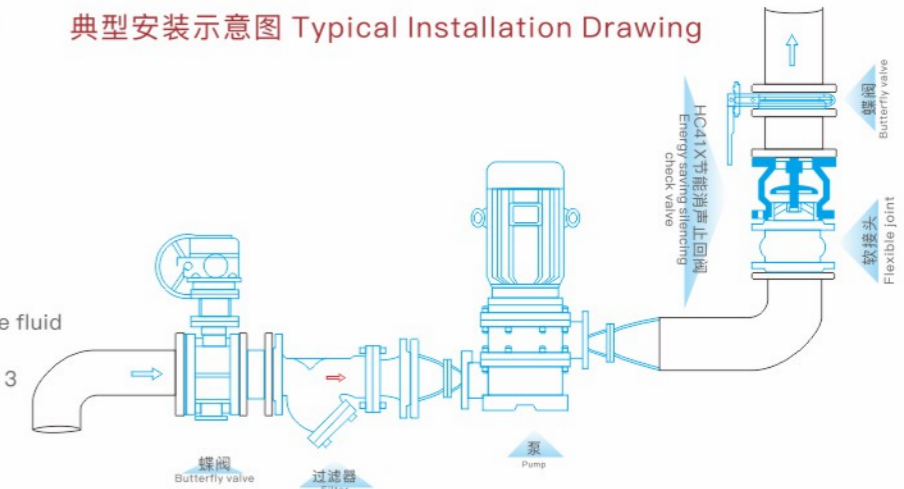
HC41X节能消声止回阀适用于给排水管道，阀瓣采用进出口两端中心轴导向，启闭灵活，可水平安装或垂直安装，阀瓣采用弹簧加载，其快速关闭能有效地消除水锤，密封性能好，关闭无噪声。它具有体积小、重量轻、流体阻力小、耐疲劳、寿命长等优点。

HC41X Energy-saving silencing check valve is suitable for water supply and drainage pipes. The valve disc is guided by the central axis at both ends of the inlet and outlet. It can be opened and closed flexibly. It can be installed horizontally or vertically. The valve disc is loaded by spring. Its fast closing can effectively eliminate water hammer, with good sealing performance and no noise during closing. The utility model has the advantages of small volume, light weight, small fluid resistance, fatigue resistance, long service life, etc.

技术参数 Technical Parameters

公称压力：1.0~1.6MPa
公称口径：40~600mm
适用介质：水及弱腐蚀性流体
适用温度：0~80°C
法兰标准：GB/T 17241.6、GB/T 9113
试验标准：GB/T 13927、API 598
Nominal pressure: 1.0 ~ 1.6Mpa
Nominal diameter: 40 ~ 600mm
Applicable medium: water and weak corrosive fluid
Applicable temperature: 0 ~ 80 °C
Flange standard: GB / T 17241.6, GB / T 9113
Test standard: GB / T 13927, API 598

典型安装示意图 Typical Installation Drawing



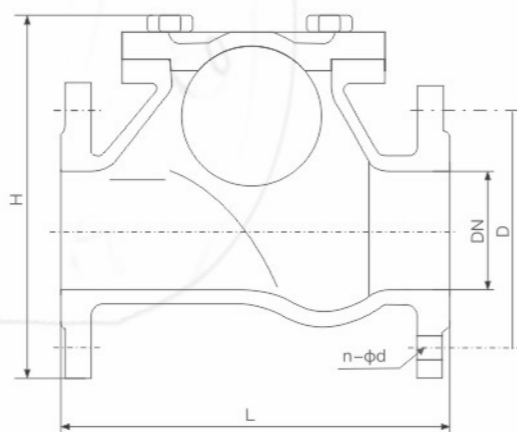
主要零件材质 Main Part Materials

型号 Model	阀体 Body	密封圈 Seal ring	弹簧 Spring
HC41X-10/16	铸铁、球墨铸铁、碳钢、不锈钢 Cast iron, ductile iron, carbon steel, stainless steel	丁腈橡胶 NBR	不锈钢丝 Stainless steel wire、1Cr18Ni9Ti

主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	112	120	130	150	165	190	210	255	310	320	380	405	430	450	510



产品概述 Product Overview

HQ41X球型止回阀采用橡胶包皮滚球为阀瓣，在介质的作用下，可在阀体内的整体式滑道上作上下左右滚动，从而打开或关闭阀门。消声式关闭，不产生水锤，密封性能好。阀体采用全水流通道，流量大，阻力小，水头损失比旋启式小50%。水平或垂直安装均可，可用于冷水、热水、工业及生活用水管网系统中，更适应用潜水排污泵，介质温度为0~80℃。

The HQ41X Ball check valve uses a rubber-coated roller ball as a flap. Under the action of the medium, it can roll up, down, left, and right on the integrated slide in the valve body to open or close the valve. Silent closure, no water hammer, good sealing performance. The valve body adopts a full water flow channel, with large flow rate and small resistance, and the head loss is 50% smaller than the swing type. It can be installed horizontally or vertically. It can be used in cold water, hot water, industrial and domestic water pipe network systems. It is more suitable for submersible sewage pumps. The medium temperature is 0~80℃.

工作原理 Working Principle

当介质按规定方向流动时，球形阀瓣受介质力的作用，被开启；介质逆流时，依靠介质本身流动球形阀瓣自行快速关闭，达到阻止介质逆流的目的。

When the medium flows in the prescribed direction, the spherical valve flap is opened by the force of the medium; when the medium flows backward, the spherical valve flap closes quickly by itself to achieve the purpose of preventing the medium from flowing backward.

主要技术参数 Main Technical Parameters

公称通径 Nominal diameter	DN50~DN250
最大工作压力 Working pressure	PN16
适用温度 Applicable temperature	0℃~80℃
液体介质 Liquid medium	水 Water
连接标准 Connection standard	GB/T 17241.6-2008
测试标准 Standard test	GB/T 13927-2008

主要零件材质 Main Part Materials

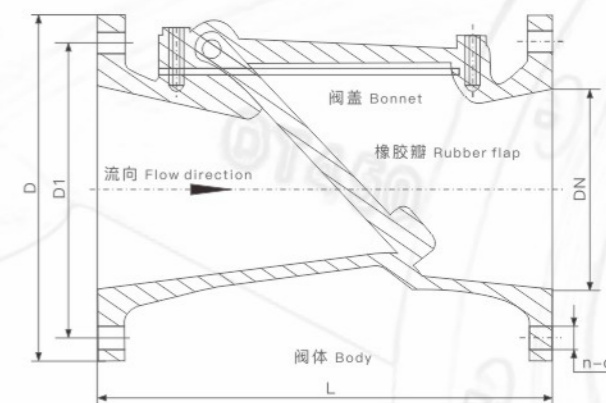
零件名称 Part name	材质 Material
阀体 Body	球铁表面环氧喷涂 Epoxy coating on ductile iron
阀盖 Bonnet	球铁表面环氧喷涂 Epoxy coating on ductile iron
球形阀瓣 Spherical disc	铸铝或铸铁包胶EPDM Cast aluminum or cast iron coated EPDM

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	50	65	80	100	125	150	200	250
L	180	200	260	300	350	400	500	600
H	185	210	245	280	335	400	495	600
D	165	185	200	220	250	285	340	405
n-φd	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28

注：本表中法兰尺寸按GB/T17241.6-2008标准。Note: The flange size in this table is according to GB/T17241.6-2008 standard.



产品概述 Product Overview

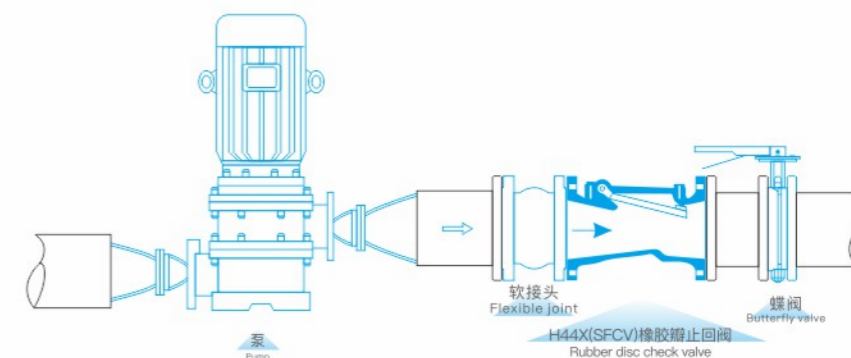
H44X(SFCV)橡胶瓣止回阀主要由阀体、阀盖及橡胶瓣三种主要零件组成。其中橡胶瓣由钢板、钢棒及强化尼龙布做衬底，外层披覆橡胶制成，阀瓣开关寿命可达100万次。该阀采用全流面积式设计，具有水头损失小，不易堆积杂物，维修简便等特性。该阀主要适用于给排水系统，可安装于水泵出水口处，以防止倒流及水锤对泵损害。该阀还可安装在蓄水池进出水管的旁通管上，以防止池水倒流至给水系统中。

H44X(SFCV) Rubber disc check valve is mainly composed of valve body, valve cover and rubber disc. The rubber flap is made of steel plate, steel bar and reinforced nylon cloth as the substrate, and the outer layer is covered with rubber. The service life of the valve flap switch can reach 1 million times. The valve is designed with full flow area type, which has the characteristics of small head loss, not easy to accumulate sundries and easy to maintain. The valve is mainly suitable for the water supply and drainage system, and can be installed at the water outlet of the water pump to prevent backflow and water hammer damage to the pump. The valve can also be installed on the bypass pipe of the water inlet and outlet pipes of the reservoir to prevent the backflow of the pool water into the water supply system.

技术参数 Technical Parameters

公称通径：50~600mm
公称压力：1.0~1.6MPa
适用介质：水及弱腐蚀性流体
适用温度：0~80℃
法兰标准：GB/T 17241.6 GB/T 9113
试验标准：GB/T 13927 API 598
Nominal diameter: 50~600mm
Nominal pressure: 1.0~1.6MPa
Applicable medium: Water and weak corrosive fluid
Applicable temperature: 0~80℃
Flange standard: GB/T 17241.6 GB/T 9113
Test standard: GB/T 13927 API 598

典型安装示意图 Typical Installation Drawing



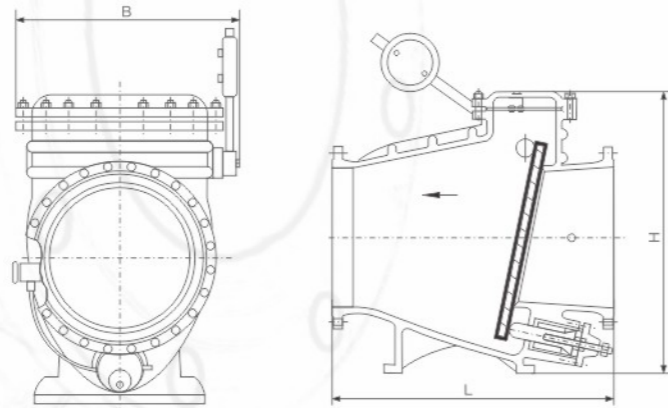
主要零件材质 Main Part Materials

零件名称 Part name	阀体 Body	阀盖 Bonnet	阀瓣 Disc
材料 Material	铸铁、铸钢 Cast iron, cast steel	铸铁、铸钢 Cast iron, cast steel	钢材+强化尼龙布 Steel + reinforced nylon cloth

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	50	65	80	100	150	200	250	300	350	400	450	500	600
L	203	216	241	292	356	495	622	698	787	914	978	978	1295



产品概述 Product Overview

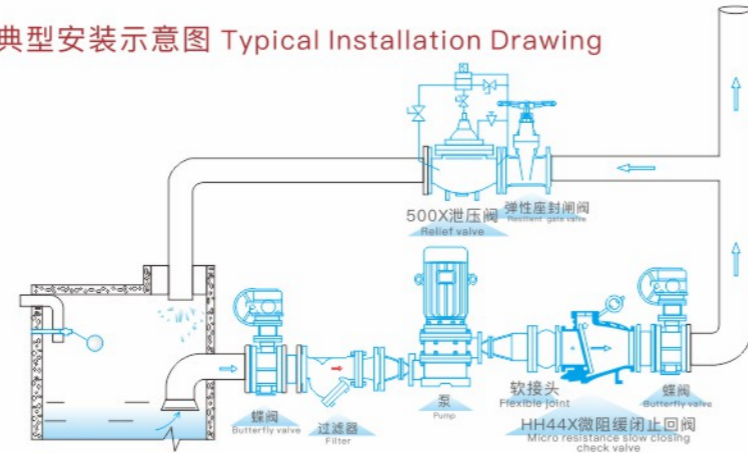
HH44X/T/H微阻缓闭止回阀用于给排水管道，安装在水泵出口处，用来防止介质逆流和消除破坏性水锤，并能有效地减少阀门关闭水锤压力，可保障管网安全运行。它具有阀瓣轻、开度大、节电效果显著，流体阻力小，水锤消除机构设计新颖，密封性能稳定可靠、耐磨损、使用寿命长、运行平稳、无振动、无噪声等特点。

HH44X/T/H Micro resistance slow closing check valve is used for water supply and drainage pipeline, installed at the outlet of water pump, to prevent medium backflow and eliminate destructive water hammer, effectively reduce the pressure of valve closing water hammer, and ensure the safe operation of pipe network. It has the characteristics of light disc, large opening, remarkable power saving effect, small fluid resistance, novel design of water hammer eliminating mechanism, stable and reliable sealing performance, wear resistance, long service life, stable operation, no vibration, no noise, etc.

技术参数 Technical Parameters

公称压力: 1.0~ 2.5MPa
公称口径: 40~ 800mm
适用介质: 水及弱腐蚀性流体
适用温度: 0~80℃ (如需要, 可达200℃)
法兰标准: GB/T 17241.6、GB/T 9113
试验标准: GB/T 13927、API 598
Nominal pressure: 1.0 ~ 2.5MPa
Nominal diameter: 40 ~ 800mm
Applicable medium: water and weak corrosive fluid
Applicable temperature: 0 ~ 80 °C (up to 200 °C if necessary)
Flange standard: GB / T 17241.6, GB / T 9113
Test standard: GB / T 13927, API 598

典型安装示意图 Typical Installation Drawing



主要零件材质 Main Part Materials

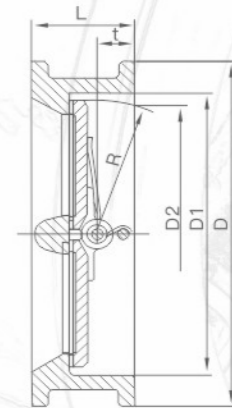
零件名称 Part name	阀体、阀盖 Body and bonnet	阀瓣 Disc	阀轴 Shaft
材料 Material	灰铸铁、铸钢 Grey cast iron, cast steel	钢板、橡胶组合件 Steel plate, rubber assembly	不锈钢 Stainless steel

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
L	200	230	290	310	350	400	480	600	730	850	980	1100	1200	1250	1450	1650	1850
H	300	300	320	354	350	380	500	580	670	730	820	920	950	1100	1200	1550	1700
B	220	270	290	300	320	340	410	450	550	580	630	700	800	900	990	1120	1300

注：本表中结构长度按GB/T 12221标准。Note: The Face to Face in this table is in accordance with GB/T 12221 standard.



产品概述 Product Overview

DH77X 对夹式蝶型止回阀是工厂采用国外先进结构设计，符合有关国家标准，属节能型产品。此产品止回性能好，安全可靠，流阻系数小，主要适用于石油、化工、食品、医药、轻纺、造纸、给排水、冶炼及能源等系统，作为单向阀使用。

DH77X Wafer type butterfly check valve is an energy-saving product that our factory adopts foreign advanced structural design and complies with relevant national standards. This product has good non-return performance, safety and reliability, and small flow resistance coefficient. It is mainly used in petroleum, chemical, food, pharmaceutical, textile, papermaking, water supply and drainage, smelting, and energy systems, as a check valve.

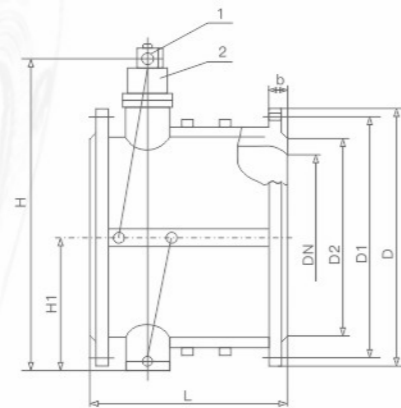
产品特点 Product Features

1. 体积小，重量轻，结构紧凑，维修方便。
2. 阀板采用对偶式，在弹簧的弹性力矩下可自行速闭。
3. 因速闭作用，可防止介质倒流，消除水锤作用强。
4. 阀体结构长度尺寸小，刚性好，安全可靠。
5. 达到完全密封，水压试验泄露为零。
6. 安装方便，可用于水平垂直两个方向安装。
7. 法兰连接尺寸符合GB/T17241.6-98之规定。
8. 结构长度符合GB/T12221-89、ISO5752-82之规定。
1. Small volume, light weight, compact structure, easy maintenance.
2. The valve plate adopts dual type, in the spring under the elastic moment of quick closing on its own.
3. Because of the quick closing effect, can prevent the backflow medium, eliminate water hammer effect is strong.
4. The body structure of small length, good rigidity, safe and reliable.
5. Completely sealed, water pressure test leak is zero.
6. Easy installation, can be used for horizontal two vertical direction installation.
7. Flange connection size comply with the provisions of GB/T17241.6-98.
8. Structure length comply with GB / T12221-89, ISO5752-89.

主要外形连接尺寸 Main External Connection Dimensions

PN1.0MPa

DN(mm)	NPS(in)	D	D1	D2	L	R	t	WT (Kg)
40	1.5"	92	65	43.3	43	28.8	19	1.5
50	2"	107	65	43.3	43	28.8	19	1.5
65	2 1/2"	127	80	60.2	46	36.1	20	2.4
80	3"	142	94	66.4	64	43.4	28	3.6
100	4"	162	117	90.8	64	52.8	27	5.7
125	5"	192	145	116.9	70	65.7	30	7.3
150	6"	218	170	144.6	76	78.6	31	9.0
200	8"	273	224	198.2	89	104.4	33	17
250	10"	328	265	233.7	114	127	50	26
300	12"	378	310	283.9	114	148.3	43	42
350	14"	438	360	332.9	127	172.4	45	55
400	16"	489	410	381.0	140	197.4	52	75
450	18"	539	450	419.9	152	217.8	58	101
500	20"	594	505	467.8	152	241	58	111
600	24"	690	624	572.6	178	295.4	73	172
700	28"	800	720	680	229	354	98	219



- 1、微量调节阀
- 2、储油缸
- 1. Trace regulator
- 2. Oil cylinder

产品概述 Product Overview

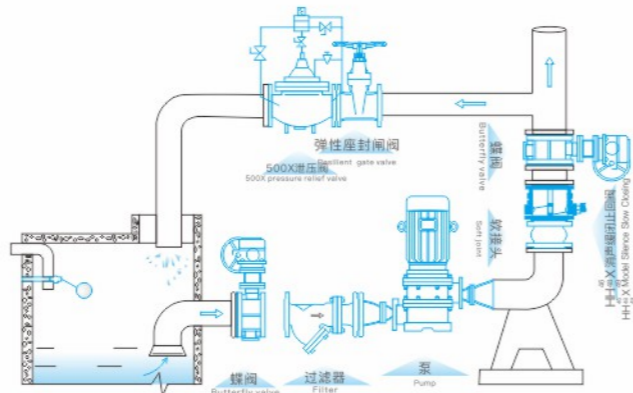
HH46X、HH48X、HH49X消声缓闭止回阀系列产品可在清水、污水、海水等介质的排水管道上，既能防止介质的倒流，又能有效地限制破坏性水锤，保证管线的使用安全。它具有结构新颖、体积小、重量轻、流体阻力小、密封可靠、启闭平稳、耐磨损、使用寿命长，油压、缓闭不受介质影响，有较好节能效果等特点。

The product series of HH46X, HH48X, HH49X silence slow closing check valves can be used in the drainage pipelines transporting water, sewage, sea water and other media which can prevent the backflow of the media and effectively limit the damaging water hammer, so as to ensure the safety of pipelines. It has some characteristics such as novel structure, small size, light weight, small fluid resistance, reliable seal performance, smooth opening and closing, wearing resistance, long service life, oil pressure, slow closing without the influence of media and better energy-saving effect, etc.

技术参数 Technical Parameters

- 公称压力: 1.0~2.5MPa
- 公称口径: 40~1000mm
- 缓闭时间: 3~60秒
- 适用介质: 清水、海水、污水 Clear water, sea water and sewage
- 适用温度: 0~80℃ (如需要, 可达200℃)
- 法兰标准: GB/T17241.6 GB/T 9113
- 试验标准: GB/T 13927 API 598
- Nominal pressure: 1.0~2.5MPa
- Nominal diameter: 40~1000mm
- Slowly-closing time: 3~60s
- Applicable media: Clear water, sea water and sewage
- Applicable temperature: 0~80℃ (If need be, can reach 200℃)
- Flange standards: GB/T17241.6 GB/T 9113
- Testing standards: GB/T 13927 API 598

典型安装示意图 Typical Installation Drawing



主要零件材质 Main Part Materials

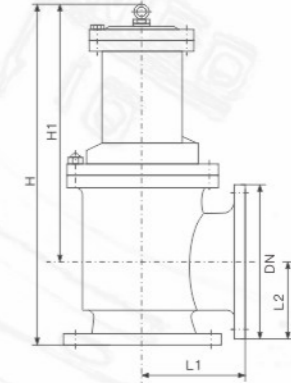
零件名称 Part names	阀体 Body	阀瓣 Disc	阀杆、油缸、活塞 Stem, oil cylinder, piston	弹簧 Spring	阀座 Stem
材料 Materials	铸铁、铸钢 Cast iron, cast steel	碳钢 Carbon steel	不锈钢 Stainless steel	不锈钢 Stainless steel	丁腈橡胶 NBR

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
L	140	150	170	180	190	200	210	230	250	270	290	310	330	350	390	430	470	510	550
H	200	215	225	235	280	290	310	350	415	450	480	550	585	640	720	780	840	990	1050
H1	88	98	108	118	130	148	172	210	240	264	297	324	351	379	434	491	549	600	655

注: 本表中结构长度按GB/T 12221标准。Note: The Face to Face in this table is in accordance with GB/T 12221 standard.



产品概述 Product Overview

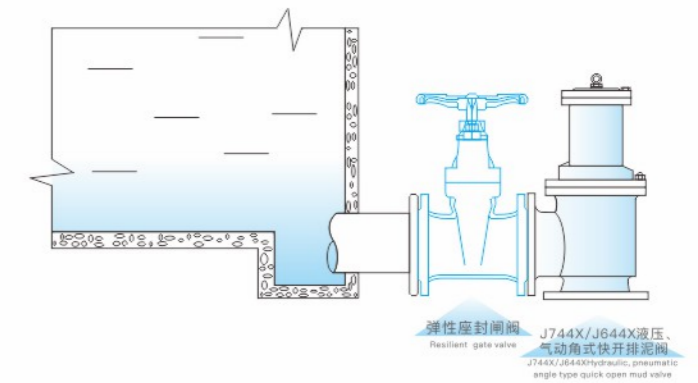
J744X/J644X液压、气动角式快开排泥阀，是一种由液压源或气动源作执行机构的角型截止类阀门。通常成排安装在沉淀池底部外壁，用以排除池底沉淀的泥砂和污物。该阀液压缸之活塞为L形皮碗，密封性能好，经久耐用，阀门密封副亦为橡胶密封，无泄漏。还可通过电动二位四通换向电磁阀实现远程控制。操作方便，安全可靠。

J744X/J644XHydraulic, pneumatic angle type quick open mud valve, is a angle globe valve actuated by hydraulic resource or pneumatic resource. Normally row up installed on out side-entry wall of pool bottom, to drain sand and sewage at the bottom of pool. Hydraulic cylinder piston of this valve is L type bowl, good sealing performance, wear well, valve sealing is rubber seal, no leakage. Also can use two position four ways solenoid valve achieve remot control. Easy operation, safety.

技术参数 Technical Parameters

- 公称压力: 0.6MPa、1.0MPa
- 公称口径: 80~400mm
- 最低驱动压力: 0.15MPa
- 适用介质: 水、污水
- 适用温度: 0~80℃
- 法兰标准: GB/T 17241.6 GB/T 9113
- 试验标准: GB/T 13927 API 598
- Nominal pressure: 0.6MPa, 1.0MPa
- Nominal diameter: 80~400mm
- Min. actuated pressure: 0.15MPa
- Applicable medium: Water, sewage
- Applicable temperature: 0~80℃
- Flange standards: GB/T 17241.6 GB/T 9113
- Test standard: GB/T 13927 API 598

典型安装示意图 Typical Installation Drawing



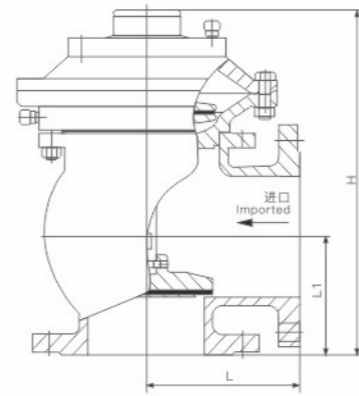
主要零件材质 Main Part Materials

零件名称 Part name	阀体、阀盖 Body, bonnet	膜片压板、阀盘 Diaphragm plate, diaphragm	阀杆 Stem	膜片 Diaphragm
材料 Materials	铸铁、球铁、碳钢 Cast iron Ductile iron, Carbon steel	球铁、青铜 Ductile iron, bronze	不锈钢 Stainless steel	尼龙强化橡胶 Nylon strengthen rubber

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	80	100	150	200	250	300	350	400
H	480	500	620	735	805	940	1100	1200
L1	135	145	175	225	260	280	305	340
L2	125	125	145	185	205	245	270	310



产品概述 Product Overview

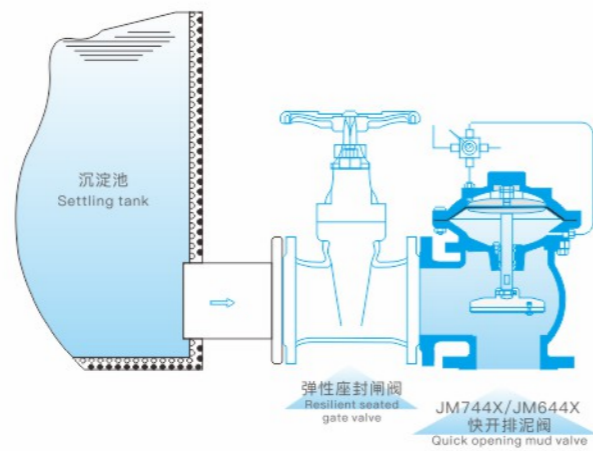
JM744X、JM644X隔膜式液压、气动快开排泥阀是一种由液压源或气动源作执行机构的角型截断类阀门。通常成排安装在沉淀池底部外侧壁，用以排除池底沉淀的泥砂和污物。该阀由尼龙强化橡胶隔膜将阀门分为两个腔室，接通液压或气动源，采用电动或手动二位四通换向阀控制，实现快速排泥。该阀将隔膜代替活塞，无运动摩擦，更适用于泥浆等颗粒介质，大大提高了阀门的使用寿命。

JM744X, JM644X Diaphragm hydraulic and pneumatic quick opening mud valve is an angle type block valve with hydraulic or pneumatic source as the actuator. It is usually installed in rows on the outer wall of the bottom of the sedimentation tank to remove the silt and dirt deposited at the bottom of the tank. The valve is divided into two chambers by nylon reinforced rubber diaphragm, connected with hydraulic or pneumatic source, and controlled by electric or manual two position four-way reversing valve to realize fast sludge discharge. The valve uses diaphragm instead of piston, which has no moving friction. It is more suitable for particle media such as mud, and greatly improves the service life of the valve.

技术参数 Technical Parameters

公称压力: 0.6MPa、1.0MPa
公称口径: 100~400mm
最低驱动压力: 0.15MPa
适用介质: 水、污水
驱动介质: 清水、气
适用温度: 0~80℃
法兰标准: GB/T 17241.6、GB/T 9113
试验标准: GB/T 13927、API 598
Nominal pressure: 0.6MPa, 1.0MPa
Nominal diameter: 100-400mm
Minimum driving pressure: 0.15Mpa
Applicable media: water and sewage
Driving medium: water and gas
Applicable temperature: 0 ~ 80 °C
Flange standard: GB / T 17241.6, GB / T 9113
Test standard: GB / T 13927, API 598

典型安装示意图 Typical Installation Drawing



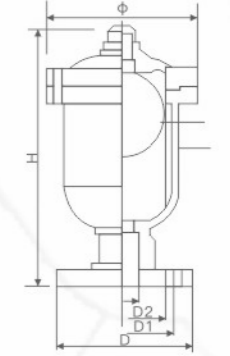
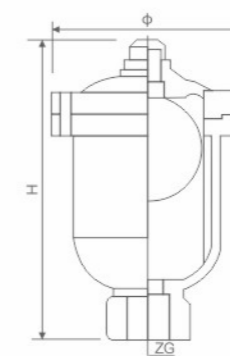
主要零件材质 Main Part Materials

零件名称 Part name	阀体、阀盖 Body and bonnet	膜片压板、阀盘 Diaphragm pressure plate, valve disc	阀杆 Stem	膜片 Diaphragm
材料 Material	铸铁、球铁、碳钢 Cast iron, nodular iron, carbon steel	球铁、青铜 Ductile iron, bronze	不锈钢 Ductile iron, bronze	尼龙强化橡胶 Nylon reinforced rubber

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	100	150	200	250	300	350	400
L	160	190	225	260	280	315	340
L1	120	150	190	220	260	300	340
H	370	440	530	615	785	880	970



产品概述 Product Overview

QB1单口排气阀主要由阀体、上盖、阀杆、浮球、排气嘴等组成。用于小口径管道上(管子为DN50-200)，它作为管道的排气使用，使管道不会出现闭气、气阻，如水泵停电时管内随时会出现负压，自动吸气可保护管路安全。

QB1 single opening exhaust valve is mainly made up of body, bonnet, valve stem, floating ball, nozzle and other components. It was used for small diameter pipelines (pipes for DN50-200mm), it plays a role as a exhaust pipe in pipelines so that the pipelines will not have suffocation or air resistance. For example, there will be negative pressure inside the pipes at any time when pumps come across power outage and automatic suction can protect the safety of pipelines.

产品用途 Product Use

- 1、本阀适用于温度不超过100℃的水、热水管道上使管道内的空气全部排出。
 - 2、安装双口排气阀，底下一定要安装一只保护阀门、球阀（Q41F-16），以免检验停水。
1. The valve is suitable for water of less than or equal to 100 centrade degrees and hot water pipelines to exhaust the air completely from the pipelines.
2. When installing double openings exhaust valves, a protective valve and a ball valve (Q41F-16) must be installed at the bottom in case it is tested to have stopped water.

技术参数 Technical Parameters

阀体、阀盖 Body, bonnet	铸铁 Cast iron HT200、 不锈钢 Stainless steel、碳钢 Carbon steel	试验项目 A pilot project	
浮球 Floating ball	304不锈钢 Stainless steel、排气口 Vent 钢H59黄铜 Steel H59 brass	工作压力 Working pressure	1.0MPa
密封圈 Sealing ring	丁腈橡胶 Nitrile rubber	密封压力 Sealing pressure	1.1MPa
松紧螺丝 Elastic screw	A3	强度压力 Intensity pressure	1.5MPa

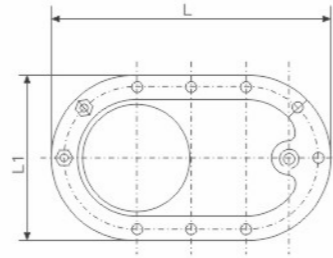
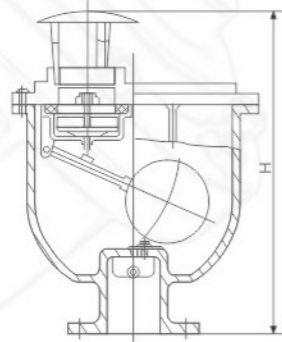
丝扣式外型尺寸 Screw Boundary Dimensions

公称口径 DN(mm)	ZG	φ	H
15	1/2"	135	205
20	3/4"	135	205
25	1"	135	205
40	1 1/2"	150	205
50	2"	150	205

法兰式外型尺寸 Flange Boundary Dimensions

单位Unit: mm

公称口径 DN(mm)	D	D1	D2	φ	H
15	95	65	45	135	210
20	105	75	55	135	210
25	115	85	65	135	210
40	140	115	80	150	210
150	160	125	100	150	210

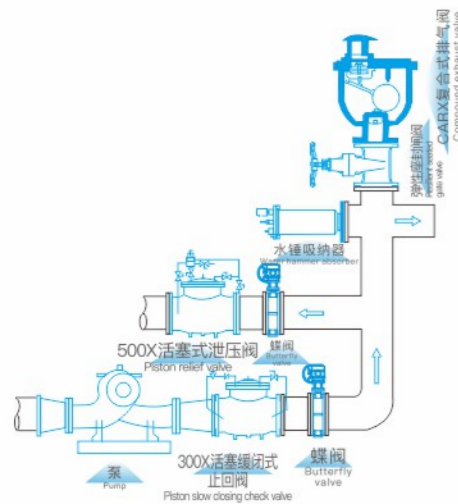


产品概述 Product Overview

CARX复合式排气阀阀体为圆桶状，阀门内件包括不锈钢浮球、杠杆及阀瓣。本阀安装在泵出口处或配水管线中，用来排除积聚在管中的空气，以提高管线及水泵的使用效率，当管内一旦产生负压时，此阀迅速吸入外界空气，以防止管线因负压而损坏。当管内开始注水时，阀瓣处在开启的位置，进行大量排气，当空气排完时阀内充满水，浮球上升并带动阀瓣关闭，停止排气，当管内水正常输送时，如有少量空气聚集在阀内到相当的程度，阀内水位下降，此时空气由小孔排出。当水泵停止时，管内水流空或遇管内产生负压，此时塞头迅速开启，吸入空气，确保管线安全。

The body of CARX Composite exhaust valve is in the shape of a barrel. The valve internals include stainless steel floating ball, lever and disc. The valve is installed at the pump outlet or in the water distribution pipeline to remove the air accumulated in the pipeline, so as to improve the service efficiency of the pipeline and the pump. Once the steel pressure is generated in the pipeline, the valve will quickly inhale the external air to prevent the pipeline from being damaged due to the negative pressure. When the water is injected into the pipe, the valve clack is in the open position and a large amount of air is exhausted. When the air is exhausted, the valve is full of water, the floating ball rises and drives the valve clack to close, and the exhaust is stopped. When the water in the pipe is normally transported, if a small amount of air is gathered in the valve to a certain extent, the water level in the valve drops, and the air is discharged from the small hole at this time. When the water pump stops, the water flow in the pipe is empty or negative pressure is generated in the pipe. At this time, the plug head is opened quickly and the air is inhaled to ensure the safety of the pipeline.

典型安装示意图 Typical Installation Drawing



技术参数 Technical Paramters

公称压力：1.0~1.6MPa
公称口径：DN25~32mm(螺纹连接)、DN50~200mm(法兰连接)
适用介质：水、油等非腐蚀性液体
适用温度：0~100℃
法兰标准：GB/T17241.6、GB/T 9113
试验标准：GB/T 13927、API 598
Nominal pressure: 1.0~1.6MPa
Nominal diameter: DN25~32mm (threaded connection), DN50~200mm (flange connection)
Applicable medium: water, oil and other non corrosive liquids
Applicable temperature: 0~100 °C
Flange standard: GB/T17241.6, GB/T 9113
Test standard: GB/T 13927, API 598

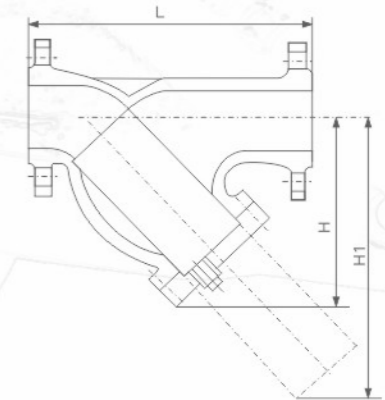
主要零件材质 Main Part Materials

零件名称 Part name	阀体 Body	阀盖 Bonnet	浮球 Floating ball	杠杆架 Lever rack	杠杆 Lever	塞头 Plug head
材料 Material	球墨铸铁、 铸铁	球墨铸铁 Ductile iron	不锈钢 Stainless steel	不锈钢 Stainless steel	铝青铜 Albronz	铝青铜 Albronz

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	25	32	50	65	80	100	150	200
L	280	280	360	360	400	465	537	537
L1	176	176	208	208	244	275	332	332
H	330	330	475	475	552	623	686	686



产品概述 Product Overview

Y型法兰过滤器，是使用水力控制阀及精密的易堵塞的机械产品所必需具备的过滤设备。通常安装于水力控制阀等设备的进口端，防止颗粒性杂质进入通道，造成堵塞，使阀门或其他设备失灵而不能正常使用。具有结构简单，流阻小的特点，可在线排除污物而不需拆除。Y-type flange filter is a filtering device necessary for the use of hydraulic control valves and sophisticated mechanical products that are prone to clogging. It is usually installed at the inlet end of the hydraulic control valve and other equipment to prevent particulate impurities from entering the channel, causing blockage, and causing the valve or other equipment to malfunction and cannot be used normally. It has the characteristics of simple structure and small flow resistance, which can remove dirt online without dismantling.

技术参数 Technical Paramters

型号 Model	公称压力(MPa) Nominal pressure	壳体试验压力(Mpa) Seal test pressure	工作压力(Mpa) Operating pressure
SY4P	1.6	2.4	1.6

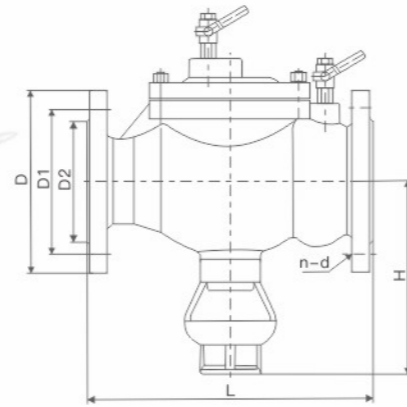
主要零件材质 Main Part Materials

零件名称 Part name	管体 Pipe body	滤网 Screen	伸缩拉杆 Companding drag link	O形圈 Ring
材质 Material	灰铸铁、球墨铸铁、铸钢 Gray cast iron, nodular cast iron, cast sttel	不锈钢 Stainless steel	碳钢镀锌 Carbon steel galvanized	丁腈橡胶 NBR

主要外形连接尺寸 Main External Connection Dimensions

SY4P-10/16/25 单位Unit: mm

DN	65	80	100	125	150	200	250	300	350	400	450	500
L	螺纹 Thread	-	-	-	-	-	-	-	-	-	-	-
	法兰 Flange	250	280	350	400	440	500	580	670	780	850	100
H	螺纹 Thread	-	-	-	-	-	-	-	-	-	-	-
	法兰 Flange	198	210	250	305	358	450	503	578	598	618	765
H1	螺纹 Thread	-	-	-	-	-	-	-	-	-	-	-
	法兰 Flange	270	295	344	422	485	602	710	815	844	978	1080



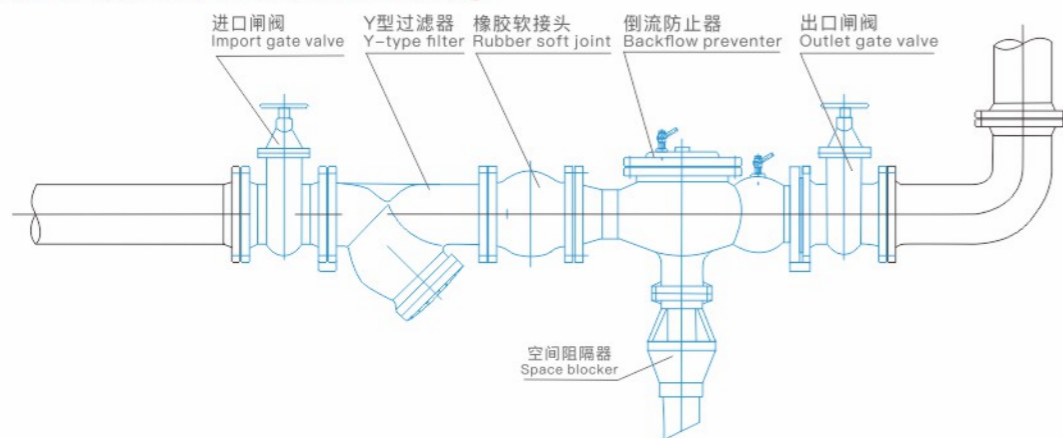
产品概述 Product Overview

DF41X倒流防止器用于防止生活饮用水管道发生回流污染的安全装置，是由两级止回阀之间加一个排水器组成一个整体。膜片上腔与第一级止回阀进口端相通。本阀为安全型，防止饮用水回流污染的新型阀门，以确保生活饮水的安全和卫生。
The DF41X Backflow preventer is a safety device used to prevent the backflow pollution of domestic drinking water pipes. It is composed of a two-stage check valve plus a drain. The upper cavity of the diaphragm communicates with the inlet end of the first-stage check valve. This valve is a safety type, a new type of valve that prevents backflow pollution of drinking water to ensure the safety and sanitation of domestic drinking water.

技术参数 Technical Parameters

公称压力(MPa) Nominal pressure	密封试验(水)MPa Sealing test (Water)	强度试验(水)MPa Strength test(Water)	适用介质 Applicable medium	适用温度 Applicable temperature
1.0	1.1	1.5	洁净水 Clean water	≤80℃
1.6	1.76	2.4		

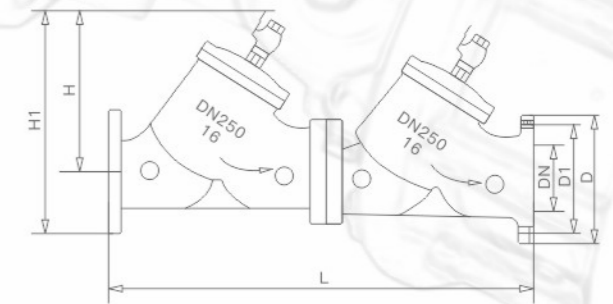
典型安装示意图 Typically Instruction Drawing



主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

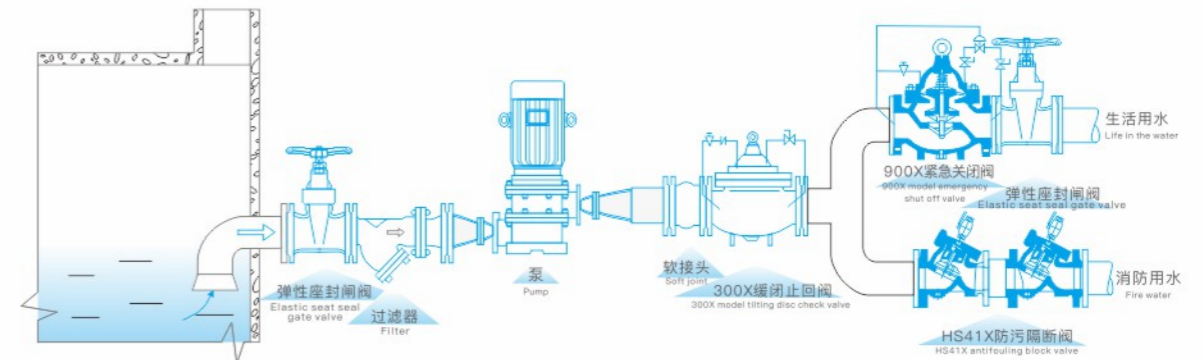
型号 Model	规格 Size	L	D	D1	D2	H	n-d	规格 Size	L	D	D1	D2	H	n-d
DF41X	50	230	165	125	99	170	4-19	125	400	250	210	184	240	8-19
	65	290	185	145	118	180	4-19	150	480	285	240	211	255	8-23
	80	310	200	160	132	210	8-19	200	600	340	295	266	290	8-23
	100	350	220	180	156	220	8-19	-	-	-	-	-	-	-



产品概述 Product Overview

HS41X防污隔断阀，是一种安装在各类管路系统中用于严格阻止介质倒流，保护其后的介质或设备不受污染的止逆类阀门。由两个串联的止回阀和过滤部分组成，密封严密，确保介质无一点回流，安全可靠，使用寿命长。
HS41X Antifouling block valve, is a check series valve which installed on various pipeline to strictly resist fluid return, protect its behind fluid or device don't polluted. It's made up of two sequent check valve and filter parts, sealing good, ensure fluid without return, safety, long life span.

典型安装示意图 Typically Instruction Drawing



技术参数 Technical Parameters

公称压力: 1.0~2.5MPa
公称口径: 50~600mm
适用介质: 水
适用温度: 0~80℃
法兰标准: GB/T 17241.6 GB/T 9113
试验标准: GB/T 13927 API 598
Nominal pressure: 1.0~2.5MPa
Nominal diameter: 50~600mm
Applicable medium: Water
Applicable temperature: 0~80℃
Flange standards: GB/T 17241.6 GB/T 9113
Test standard: GB/T 13927 API 598

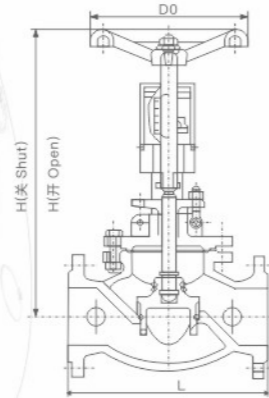
主要零件材质 Main Part Materials

序号 No.	零件名称 Part name	材料 Materials
1	阀体 Body	铸铁、球墨铸铁、铸钢 Cast iron, Nodular cast iron, Cast Sttel
2	阀盖 Bonnet	铸铁、球墨铸铁、铸钢 Cast iron, Nodular cast iron, Cast Sttel
3	阀盘 Diaphragm	球墨铸铁 Nodular cast iron
4	弹簧 Spring	不锈钢、铬钒钢 SS, Chrominm vanadium steel
5	排污阀 Blowdown valves	黄铜 Brass

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	458	482	551	653	735	793	1008	1186	1340	1505	1670	1886	1986	2318
H	210	235	264	308	356	400	503	595	705	705	905	910	921	1210



产品概述 Product Overview

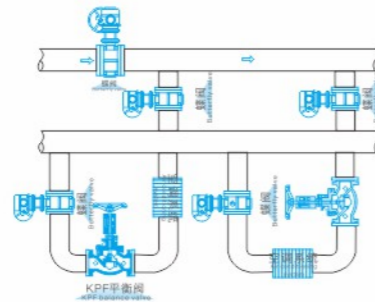
KPF静态平衡阀是一种具有特殊功能的调节型阀门，具有良好的流量特性，能够合理地分配流量，实现流量定量，可以有效地解决供热(空调)系统中存在的室温冷热不均问题。由于该阀门设有开启度指示、开度锁定装置及用于流量测定的测压小阀，所以只要在各支路及用户入口装上适当规格的平衡阀，并用专用智能仪表进行一次性调试后锁定，将系统的总水量控制在合理的范围内，从而克服了“大流量，小温差”的不合理现象。该产品是供热系统中的理想产品。该阀既可安装在供水管上，也可以安装在回水管上，一般我们建议安装在回水管上，尤其对于高温环路，为方便调试，更要装在回水管上，安装了平衡阀的供(回)水管不必再设截止阀。

KPF Static balance valve is a kind of regulating valve with special functions. It has good flow characteristics, can reasonably distribute flow, realize flow quantitative, and can effectively solve the problem of uneven temperature and heat in heating (air conditioning) system. As the valve is equipped with opening indication, opening locking device and small pressure measuring valve for flow measurement, as long as the balance valve of appropriate specification is installed at each branch and user inlet, and the special intelligent instrument is locked after one-time debugging, the total water volume of the system is controlled within a reasonable range, so as to overcome the unreasonable phenomenon of "large flow, small temperature difference". This product is an ideal product in heating system. The valve can be installed on both the water supply pipe and the return pipe. Generally, we suggest that it should be installed on the return pipe. Especially for the high temperature loop, for the convenience of debugging, it should be installed on the return pipe. The water supply (return) pipe installed with the balance valve does not need to be equipped with a stop valve.

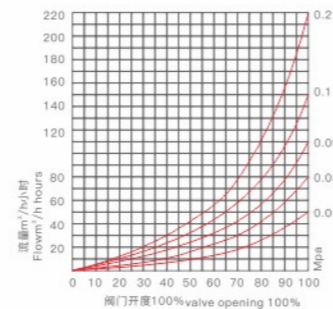
技术参数 Technical Paramters

公称压力: 1.6MPa
公称通径: 15~600mm
适用介质: 水、油等非腐蚀性液体
适用温度: 0~100°C
法兰标准: GB/T 17241.6 GB/T 9113
试验标准: GB/T 13927 API 598
Nominal pressure: 1.6MPa
Nominal diameter: 15~600mm
Applicable medium: Water, oil, and the corrosive liquid, etc
Applicable temperature: 0~100°C
Flange standards: GB/T 17241.6 GB/T 9113
Test standard: GB/T 13927 API 598

**典型安装示意图
Typical Installation Drawing**



曲线图 Graph



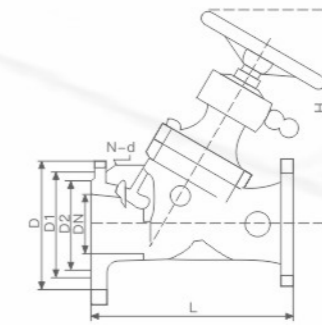
主要零件材质 Main Part Materials

零件名称 Part name	阀体/阀盖/阀瓣/填料压套 Body, bonnet, disc, packing pressure set	阀杆密封圈 Stem seal ring	阀杆/螺母 Stem, nut	垫圈 Gasket	填料 Packing
材料 Materials	灰铸铁、球铁 Gray Cast iron, ductile iron	不锈钢 Stainless steel	铸铜 Copper casting	橡胶石棉板 Rubberbestos board	膨胀石墨 Expanded graphite

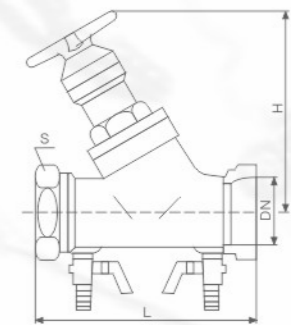
主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600
L	130	150	160	180	200	230	290	310	350	400	480	495	622	698	787	914	978	1295
H	150	160	182	192	250	264	380	413	446	540	623	687	782	914	968	1037	1440	1790
H1	160	170	197	207	270	284	410	448	506	595	688	762	867	1009	1073	1152	1440	1790
D0	80	180	80	90	100	120	200	200	240	240	360	400	500	500	680	680	-	-



SP45F



SP15F

产品概述 Product Overview

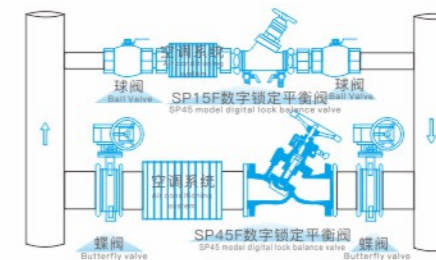
SP45、15F数字锁定平衡阀是一种具有数字锁定特殊功能的调节型阀门，采用直液型阀体结构，具有更好的等百分比流量特性，能够合理地分配流量，有效地解决供热(空调)系统中存在的室温冷热不均问题。同时能准确地调节压降和流量，用以改善管网系统中液体流动状态，达到管网液体平衡和节约能源的目的。阀门设有开启度指示、开度锁定装置及用于流量测定的测压小阀，只要在各支路及用户入口装上适当规格的平衡阀，并用专用智能仪表进行一次性调试后锁定，将系统的总水量控制在合理的范围内，从而克服了“大流量，小温差”的不合理现象。该产品是供热系统中的理想产品。该阀既可安装在供水管上，也可以安装在回水管上，一般我们建议安装在回水管上，尤其对于高温环路，为方便调试，更要装在回水管上，安装了平衡阀的供(回)水管不必再设截止阀。

SP45, 15F Digital lock balance valve is a kind of regulating valve with special function of digital lock. It adopts DC valve body structure, has better equal percentage flow characteristics, can reasonably distribute flow, and effectively solve the problem of uneven cold and heat at room temperature in heating (air conditioning) system. At the same time, the pressure drop and flow rate can be adjusted accurately to improve the liquid flow state in the pipe network system, so as to achieve the purpose of pipe network liquid balance and energy saving. The valve is equipped with opening indication, opening locking device and small pressure measuring valve for flow measurement. As long as the balance valve of appropriate specification is installed at each branch and user inlet, and the valve is locked after one-time debugging with special intelligent instrument, the total water volume of the system is controlled within a reasonable range, so as to overcome the unreasonable phenomenon of "large flow, small temperature difference". This product is an ideal product in heating system. The valve can be installed on both the water supply pipe and the return pipe. Generally, we suggest that it should be installed on the return pipe. Especially for the high temperature loop, for the convenience of debugging, it should be installed on the return pipe. The water supply (return) pipe installed with the balance valve does not need to be equipped with a stop valve.

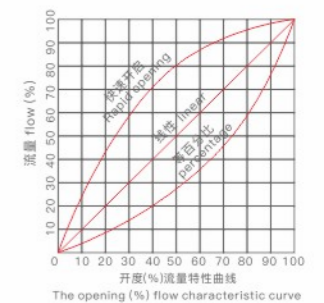
技术参数 Technical Paramters

公称压力: 1.6MPa(16kgf/cm²)
适用温度: 0~120°C
适用介质: 水、油等非腐蚀性液体
法兰标准: GB/T 17241.6、GB/T9113
试验标准: GB/T 13927、API 598
Nominal pressure: 1.6MPa(16kgf/cm²)
Applicable temperature: 0~120°C
Applicable medium: Water, oil, and the corrosive liquid, etc
Flange standards: GB/T17241.6, GB/T9113
Test standard: GB/T 13927, API 598

**典型安装示意图
Typical Installation Drawing**



曲线图 Graph



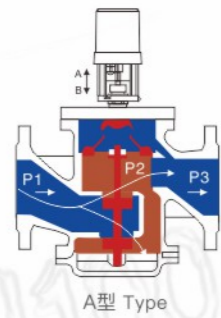
主要零件材质 Main Part Materials

零件名称 Part name	阀体、阀盖 Body, bonnet	阀杆 Stem	阀瓣 Disc	密封垫 Gasket
材料 Materials	铸铁、球铁、碳钢 Cast iron Ductile iron, Carbon steel	不锈钢 Stainless steel	球墨铸铁 Nodular cast iron	橡胶石棉板 Rubber asbestos board

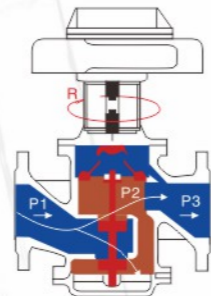
主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

SP45F	DN	32	40	50	65	80	100	125	150	200	250	300	350	SP15F	DN	15	20	25	32	40
	L	200	200	215	240	280	310	360	400	460	515	585	700		ZG	1/2"	3/4"	1"	5/4"	3/2"
	H	230	242	250	260	329	340	424	454	517	573	617	705		L	100	115	125	140	160
															H	128	128	130	150	187



A型 Type



D型 Type



EDRV-A 动态平衡电动调节阀
EDRV-A Dynamic balance of electric control valve



EDRV-D 动态平衡电动调节阀
EDRV-D Dynamic balance of electric control valve

产品概述 Product Overview

动态平衡电动调节阀是区别于传统的电动调节阀的新一代产品，是动态平衡与电动调节一体化的产品。

在系统负荷波动较大的变流量系统中，当系统压力变化时，动态平衡电动调节阀二端的压差（P1-P3）也随之变化：

(1)、当进口压力P1升高时，（P1-P2）增大，这时电动阀阀芯向上运动，使P1、P2间开度减少，阀芯压力P2降低；当进口压力P1降低时，（P1-P2）减小，这时电动阀阀芯向下运动，使P1、P2间开度增大，阀芯压力P2升高。因此，无论系统的压力怎样变化，通过电动阀阀芯的调节作用，P2、P3间的压差始终保持不变。因此这种动阀的抗干扰能力强，具有动态平衡的功能；

(2)、当直行程电动执行器接受控制信号使阀轴延AB向上下运动（或角行程电动执行器接受控制信号使阀轴延R向旋转）时，P2、P3间的开度也随之变化。由于不管系统压差（P1-P3）如何变化，P2、P3间的压差（P2-P3）始终不变，因此对应于任一开度位置，其输送的水流量都是一定的，并且电动调节阀实际的流量特性曲线与其理想的流量特性曲线是一致的，没有偏离。因此这种电动调节阀较传统的电动调节阀具有更好的调节特性。

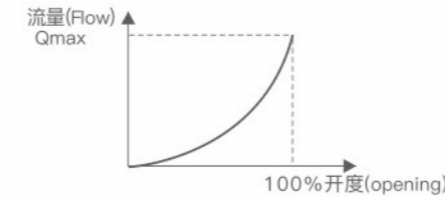
Dynamic equilibrium is different from the traditional electric control valve control valve of the new generation of electric products, is the integration of dynamic equilibrium with the electric control products.

In the system load fluctuations of variable flow systems, when the system pressure changes, the dynamic balance of the second end of the electric control valve pressure (P1-P3) also changes:

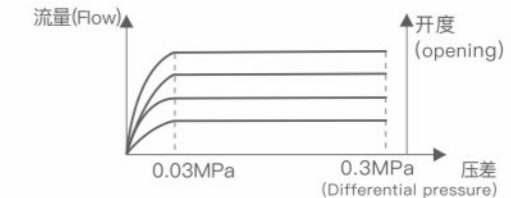
(1). When the inlet pressure P1 is increased, (P1-P2) increases, then the upward movement of electric valve spool, so that P1, P2 opening between the decrease in the pressure P2 lower spool; when the inlet pressure P1 decreases, (P1-P2) Decreases, when the electric valve spool downward, so that P1, P2 between the opening increases, the valve pressure P2 increases. Therefore, no matter how the change of system pressure, through the regulation of electric valve spool, P2, Pressure difference between P3 remain unchanged. So the anti-interference ability Valve has the function of dynamic balance;

(2). When the stroke electric actuator control signal received AB to the extension of the valve shaft moves up and down (or rotary electric actuator control signal to accept the extension of R to rotate the valve shaft) is, P2, P3 between the opening also change. Because regardless of the system differential pressure (P1-P3) to change, P2, P3 the pressure difference between (P2-P3) is always the same, so any opening corresponding to the location, its transportation is a certain flow of water, and electric Real valve International traffic flow characteristic curve characteristic curve with the ideal is the same, not deviation. Electric control valve so the more traditional electric control valve has better regulation characteristics.

流量特性曲线 Flow Characteristic Curve



动态平衡电动调节阀流量特性曲线
Flow characteristic curve of dynamic balance electric control valve



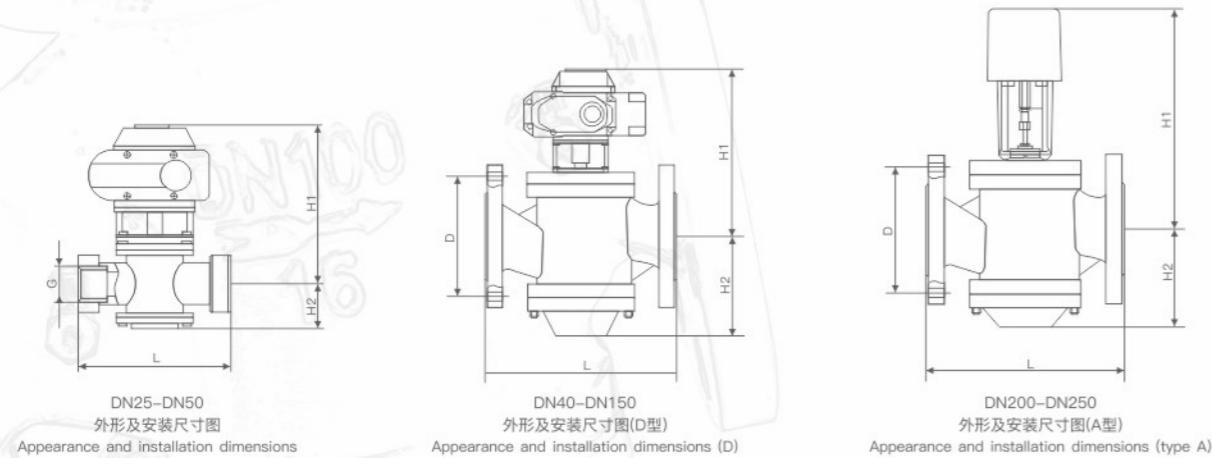
动态平衡电动调节阀流量(开度)-压差曲线
Flow(opening)-differential pressure curve of dynamic balance electric control valve

主要零件材质 Main Part Materials

零件名称 Parts name	材质 Materials
阀体 Body	球墨铸铁 Ductile iron
阀套 Valve pocket	不锈钢 Stainless steel
阀芯 Valve core	黄铜 Brass
电动执行器外壳 Electric actuator housing	铝合金 Aluminum alloy

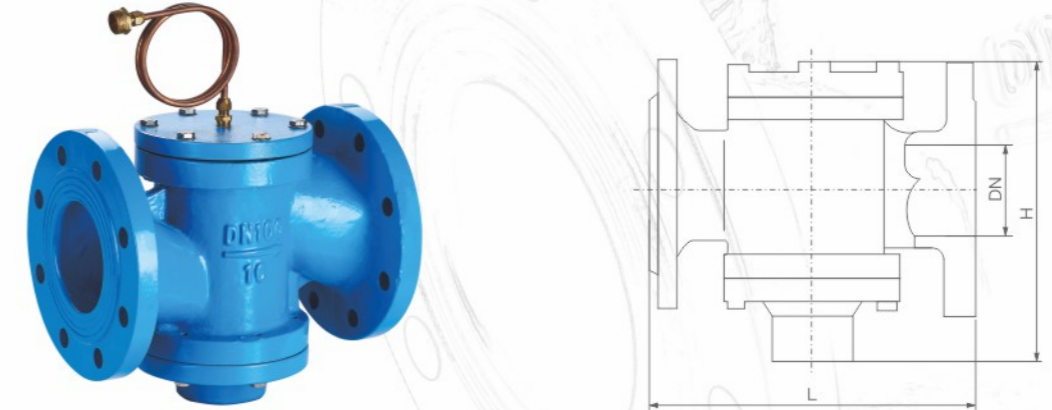
主要技术参数 Main Technical Parameters

型号 Model	阀门形式 Valve form	规格 Specifications	压差范围(KPa) Differential pressure range	流量范围(m³/h) Flow range	工作压力 Work pressure	流量误差 Flow error	流体温度 Fluid temperature
A/D-EDRV1	二通 Two-way	DN25	30-300	0.2-2.9	PN16	5%	0-100℃
A/D-EDRV2		DN32	30-300	0.5-4.7			
A/D-EDRV3		DN40	30-300	1-7.7			
A/D-EDRV4		DN50	30-300	2-12.1			
A/D-EDRV8		DN65	30-300	3-20.4			
A/D-EDRV9		DN80	30-300	5-30.8			
A/D-EDRV10		DN100	30-300	10-45.3			
A/D-EDRV11		DN125	30-300	15-70.7			
A/D-EDRV12		DN150	30-300	20-101.8			
A/D-EDRV13		DN200	33-300	5.0-360			
A/D-EDRV14		DN250	22-210	4.0-460			



主要外形连接尺寸 Main External Connection Dimensions

型号 Model	阀门形式 Valve form	规格 Specifications	外形及安装尺寸 Outline and installation size (mm)				
			L	H1	H2	D(φ)法兰 Flange	G螺纹 Thread
A/D-EDRV1	二通丝口 Two-wire port	DN25	160	265	70	/	G1
A/D-EDRV2		DN32	180	275	70	/	G1-1/4
A/D-EDRV3		DN40	300	290	90	/	G1-1/2
A/D-EDRV4		Dn50	300	290	90	/	G2
A/D-EDRV5	二通法兰 Two-flange	DN32	160	220	70	100	/
A/D-EDRV6		DN40	200	235	110	110	/
A/D-EDRV7		DN50	215	230	115	125	/
A/D-EDRV8		DN65	230	238	120	145	/
A/D-EDRV9		DN80	275	275	146	160	/
A/D-EDRV10		DN100	290	295	165	180	/
A/D-EDRV11		DN125	315	307	208	210	/
A/D-EDRV12		DN150	350	326	205	240	/
A/D-EDRV13		DN200	430	715	295	295	/
A/D-EDRV14		DN250	520	740	345	355	/



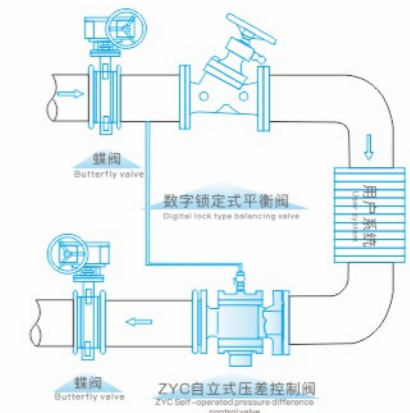
产品概述 Product Overview

ZYC自力式压差控制阀，是一种利用介质自身的压力变化进行自我控制从而保持流经该被控系统介质压差不变的阀门。适用于供暖方式采用双管系统的压差控制。保证系统压差基本不变，降低噪音，平衡阻力，消除热网和水力失调。
The ZYC Self-operated pressure difference control valve is a kind of valve that controls itself by the pressure change of the medium itself, so as to keep the pressure difference unchanged through the medium of the controlled system. It is suitable for the pressure difference control of the double pipe system for heating mode. Ensure that the system pressure difference is basically the same, reduce noise, balance resistance, eliminate heat network and hydraulic imbalance.

技术参数 Technical Parameters

公称压力: 1.6MPa
公称通径: 15~125mm
适用介质: 水、油等非腐蚀性液体
适用温度: 0~100°C
压差控制范围: 定压差型10KPa、20KPa、30KPa
法兰标准: GB/T 17241.6 GB/T 9113
试验标准: GB/T 13927 API 598
Nominal pressure: 1.6MPa
Nominal diameter: 15~125mm
Applicable medium: Water, oil, and the corrosive liquid, etc
Applicable temperature: 0~100°C
Pressure difference control: Set type differential pressure 10KPa, 20KPa, 30KPa
Flange standards: GB/T 17241.6 GB/T 9113
Test standard: GB/T 13927 API 598

典型安装示意图 Typical Installation Drawing



主要零件材质 Main Part Materials

零件名称 Part name	阀体 Body	阀杆 Stem	阀瓣 Disc	膜片 Diaphragm
材质 Material	灰铸铁、铸钢 Gray Cast iron, Cast Steel	不锈钢 Stainless steel	铸铜 Brass casting	丁腈橡胶 NBR

主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

DN	15	20	25	32	40	50	65	80	100	125
连接方式 Connection mode	螺纹 Thread					法兰 Flange				
L	110	110	115	130	200	215	230	275	290	310
H (mm) 定压差型 Differential pressure type	95	110	130	140	190	205	240	300	350	380
流量 Flow(m³/h)	0.2-1	0.3-1.5	0.5-2	1-4	1.5-6	2-8	3-12	5-20	10-30	15-45

产品概述 Product Overview

电磁流量计由传感器和转换器两部分构成。它是基于法拉第电磁感应定律工作的，用来测量电导率大于 $10\mu\text{S}/\text{cm}$ 导电液体的体积流量，是一种测量导电介质体积流量的感应式仪表。除可测量一般导电液体的体积流量外，还可用于测量强酸强碱等强腐蚀性液体和泥浆、矿浆、纸浆等均匀的液固两相悬浮液体的体积流量。广泛应用于石油、化工、冶金、轻纺、造纸、环保、食品等工业部门及市政管理，水利建设、河流疏浚等领域的流量测量。

The electromagnetic flowmeter is composed of a sensor and a converter. It is based on Faraday's law of electromagnetic induction. It is used to measure the volume flow of conductive liquid with conductivity greater than $10\mu\text{S}/\text{cm}$. It is an inductive instrument that measures the volume flow of conductive medium. In addition to measuring the volume flow rate of general conductive liquids, it can also be used to measure the volume flow rate of strong corrosive liquids such as strong acids and bases and uniform liquid-solid two-phase suspended liquids such as mud, ore pulp and paper pulp. Widely used in flow measurement in the fields of petroleum, chemical industry, metallurgy, textile, papermaking, environmental protection, food and other industrial departments and municipal management, water conservancy construction, river dredging and other fields.

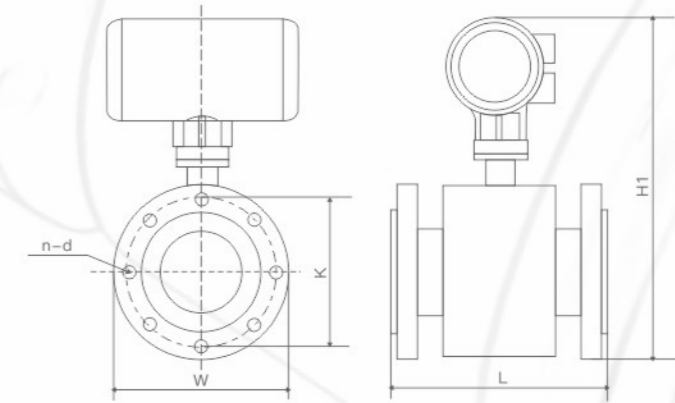
产品特点 Product Features

1. 仪表结构简单、可靠，无可动部件，工作寿命长。
2. 无截流阻流部件，不存在压力损失和流体堵塞现象。
3. 无机械惯性，响应快速，稳定性好，可应用于自动检测、调节和程控系统。
4. 具有管道式、插入式便于安装。
5. 具备一体型和分体型便于选择。
6. 测量精度不受被测介质的种类及其温度、粘度、密度、压力等物理量参数的影响。
7. 采用聚四氟乙烯或橡胶材质衬里和Hc、Hb、316L、Ti等电极材料的不同组合可适应不同介质的需要。
8. 采用EEPROM存储器，测量运算数据存储保护安全可靠。
9. 多种信号传输方式和电源供电方式。
10. 高清晰度LCD背光显示。

1. The instrument has simple and reliable structure, no moving parts, and long working life.
2. There are no blocking and blocking parts, and there is no pressure loss and fluid blockage.
3. No mechanical inertia, fast response and good stability, can be applied to automatic detection, adjustment and program control system.
4. It is easy to install with pipe type and plug-in type.
5. Equipped with integrated type and split type for easy selection.
6. The measurement accuracy is not affected by the type of the measured medium and its physical quantity parameters such as temperature, viscosity, density and pressure.
7. Different combinations of electrode materials such as Teflon or rubber lining and Hc, Hb, 316L, Ti can be adapted to the needs of different media.
8. Adopting EEPROM memory, the storage of measurement operation data is safe and reliable.
9. Multiple signal transmission methods and power supply methods.
10. High-definition LCD backlight display.

主要技术参数 Main Technical Parameters

公称口径(特殊规格可定制)(mm) Nominal diameter (special specifications can be customized)	管道式四氟衬里: DN10~DN600 PTFE lined pipeline: DN10~DN600 管道式橡胶衬里: DN40~DN1200 Rubber lining pipeline: DN40~DN1200
流动方向 Flow direction	正, 反, 净流量 Positive and negative, the net flow
量程比 Turndown ratio	150:1
重复性误差 Repeatability error	测量值的(Measured values of) $\pm 0.1\%$
精度等级 Accuracy class	管道式: 0.5级, 1.0级 Pipeline: 0.5, 1.0
被测介质温度 Measured medium temperature	普通橡胶衬里: $-20\sim+60^\circ\text{C}$ Normal rubber lining: $-20\sim+60^\circ\text{C}$ 高温橡胶衬里: $-20\sim+90^\circ\text{C}$ Rubber lining temperature: $-20\sim+90^\circ\text{C}$ 聚四氟乙烯衬里: $-30\sim+100^\circ\text{C}$ PTFE Lining: $-30\sim+100^\circ\text{C}$ 高温型四氟衬里: $-20\sim+180^\circ\text{C}$ High temperature PTFE lining: $-20\sim+180^\circ\text{C}$
额定工作压力(高压可定制) Rated working pressure (High pressure can be customized)	DN6~DN80: $\leq 1.6\text{MPa}$ DN100~DN250: $\leq 1.0\text{MPa}$ DN300~DN1200: $\leq 0.6\text{MPa}$
流速范围 Flow rate range	0.1~15m/s
电导率范围 Conductivity range	被测流体电导率(Measured fluid conductivity) $\geq 5\mu\text{S}/\text{cm}$
电流输出 Current output	负载电阻(Load Resistance): 0~10mA, 0~1.5k Ω ; 4~20mA, 0~750 k Ω
供电电源 Power supply	AC220V或DC24V
要求直管段长度 Required length of straight pipe	上游 $\geq 5\text{DN}$, 下游 $\geq 2\text{DN}$ Upstream $\geq 5\text{DN}$, downstream $\geq 2\text{DN}$
连接方式 Connection type	流量计与配管之间均采用法兰连接, 法兰连接尺寸应符合GB11988的规定 Flow meter and piping are used between the flange, flange connection dimensions shall comply with the provisions of GB11988
防爆等级 Explosion-proof grade	mdIIBT4
防护等级 Protection class	IP65, 特殊订制最高可达IP68 IP65, special order up to IP68
环境温度 Ambient temperature	$-25\sim+60^\circ\text{C}$
相对湿度 Relative humidity	5%~95%
消耗总功率 Total power consumption	小于(Less than)20W



主要外形连接尺寸 Main External Connection Dimensions

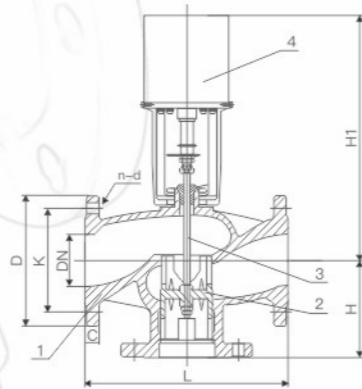
公称口径(mm) Nominal diameter	L	H1(参考 Refer)	W	K	n-d	WT(Kg)
15	200	275	95	65	14-4	9
20	200	285	105	75	14-4	9.5
25	200	295	115	85	14-4	10
32	200	315	135	100	18-4	11
40	200	325	145	110	18-4	12
50	200	340	160	125	18-4	14
65	250	360	180	145	18-4	15
80	250	375	195	160	18-8	16
100	250	395	215	180	18-8	19
125	250	425	245	210	18-8	23
150	300	460	280	240	23-8	27
200	350	515	335	295	23-12	45
250	450	585	405	355	25-12	67
300	500	640	460	410	25-12	77
350	550	680	500	460	23-16	92
400	600	745	565	515	25-16	104
450	600	795	615	565	25-20	120
500	600	850	670	620	25-20	135
600	600	960	780	725	30-20	150
700	700	1075	895	840	30-24	220
800	800	1190	1010	950	34-24	280
900	900	1290	1110	1050	34-28	310
1000	1000	1400	1220	1160	34-28	360
1200	1200	1585	1405	1340	33-32	550
1400	1400	1810	1630	1560	36-36	700
1600	1600	2010	1830	1760	36-40	850
1800	1800	2225	2045	1970	39-40	1000

注: 1、DN15~300额定压力1.6MPa; DN300~1000:1.0MPa; DN1200以上0.6或0.25MPa。其它压力特殊等级可按工程要求设计定做。

2、当安装一个接地法兰时, 尺寸L增加6mm; 当安装衬里保护法兰时, 尺寸L增加12mm。

Note: 1. The rated pressure of DN15~300 is 1.6MPa; DN300~1000: 1.0MPa; 0.6 or 0.25MPa above DN1200. Other special pressure grades can be customized according to engineering requirements.

2. When installing a grounding flange, the dimension L increases by 6mm; when installing the lining protection flange, the dimension L increases by 12mm.



产品概述 Product Overview

VB 7000电动二通调节阀能调节蒸汽或冷热水的流量，主要用于空气调节、热通风、热处理厂的工业和工行业的流体控制。有二通及三通形式。具有有结构紧凑、重量轻、动作灵敏、阀容量大、流量特性精确、拆装方便等优点。
VB 7000 Electric two-way regulating valve can regulate the flow of steam or cold and hot water, mainly used for air conditioning, thermal ventilation, and fluid control in the industry and industry of heat treatment plant. There are two-way and three-way forms. The utility model has the advantages of compact structure, light weight, sensitive action, large valve capacity, accurate flow characteristics, convenient disassembly, etc.

主要技术参数 Main Technical Parameters

适用介质 Applicable medium	热冷水、50%乙二醇、蒸汽 Hot and cold water, 50% glycol, steam
适用温度 Applicable tem	2-120°C
公称压力 Nominal pressure	PN1600KPa
流量特性 Flow characteristics	等百分比或线性 Equal percentage or linear
渗漏量 Seepage quantity	Kv值的0.05%,0.05% of Kv value

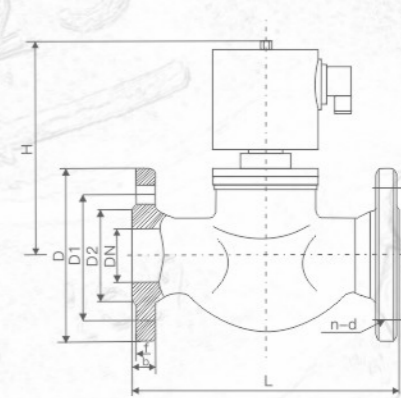
主要零件材质 Main Part Materials

阀体、阀座 Body, Seat	球墨铸铁HT200 Ductile Iron HT200
阀瓣 Disc	黄铜 Brass
阀杆 Stem	不锈钢 Stainless steel

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

型号 Model		DN (mm)	主要尺寸 Main dimensions (mm)							行程 Throw (mm)	执行程 Execution process ΔP_{max}	关闭压差 Differential pressure (Kpa)
二通 Two-way	三通 Tee		L	H	H1	D	K	C	n-d			
VB7200-50	VB7300-50	50	230	450	145	165	125	20	4-18	45	500	500
VB7200-65	VB7300-65	65	290	468	150	185	145	20	4-18	45	400	400
VB7200-80	VB7300-80	80	310	475	185	200	160	20	8-18	45	300	300
VB7200-100	VB7300-100	100	350	475	205	220	180	22	8-18	45	300	300
VB7200-125	VB7300-125	125	400	504	230	250	210	22	8-18	45	200	200
VB7200-150	VB7300-150	150	410	532	280	285	240	24	8-22	45	100	100
VB7200-200	VB7300-200	200	520	550	280	340	245	30	12-22	45	100	100



产品概述 Product Overview

本系列电磁阀可广泛地应用于纺织、印刷、化工、塑料、橡胶、制药、食品、建材、机械、电器、表面处理等生产和科研部门以及浴室、食堂、空调等人们日常生活设施中。ZBSF-Y系列电磁阀主要用于腐蚀性液体、超净液体和食用液体等液体介质的控制。ZBSF系列电磁阀主要用于腐蚀性气体、超净气体等气体介质的控制。
This series of solenoid valves can be widely used in textile, printing, chemical, plastic, rubber, pharmaceutical, food, building materials, machinery, electrical appliances, surface treatment and other production and scientific research departments, as well as bathroom, canteen, air conditioning and other people's daily life facilities. ZBSF-Y series solenoid valve is mainly used for the control of corrosive liquid, super clean liquid, edible liquid and other liquid media. ZBSF series solenoid valve is mainly used for the control of corrosive gas, super clean gas and other gas medium.

主要技术参数 Main Technical Parameters

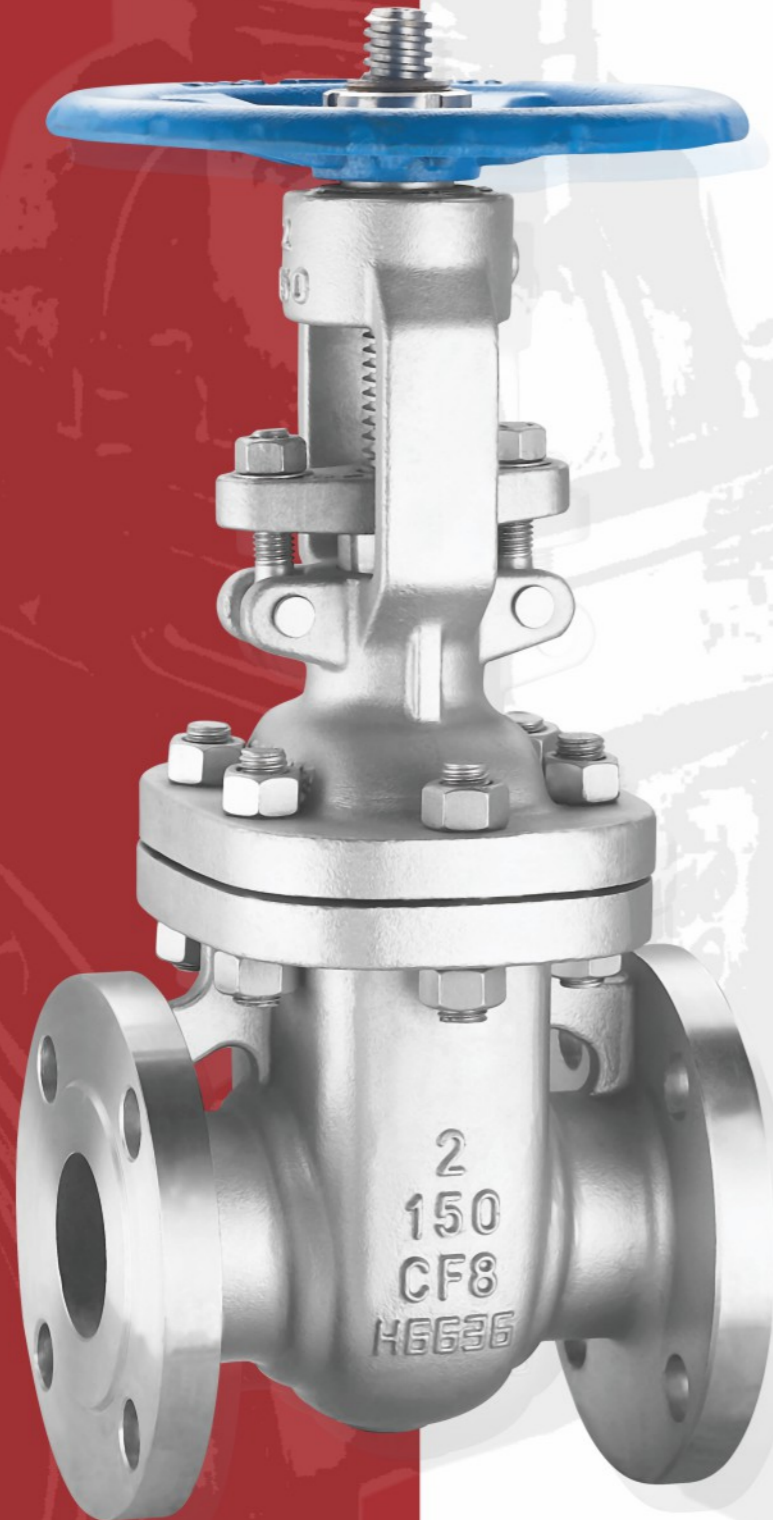
工作介质 Working medium	腐蚀性气体、超净流体、食用液体 Corrosive gas, ultra clean fluid, edible liquid ZBSF-1: 气体用(Gas use) ZBSF-1Y: 液体用(Liquid use) ZBSF-2: 气体用(Gas use) ZBSF-2Y: 液体用(Liquid use)						
介质温度 Medium temperature	ZBSF-1(1Y): ≤60°C ZBSF-2(2Y): ≤200°C						
公称压力(MPa) Nominal pressure	1.6						
工作压差(MPa) Operating differential pressure	0.1~1.6						
电源电压 Power supply voltage	AC200V其余规格可作特殊订货(The rest of the specifications for special orders)						
使用寿命 Service life	按JB/T7352-94标准 According to JB/T7352-94 Standard						
额定流量系数(KV) Rated flow coefficient	按JB/T7352-94标准 According to standard JB/T7352-94 F						
泄漏率(ml/min) Leakage rate	按JB/T7352-94-F标准 According to standard JB/T7352-94 F						
公称通径(MPa) Nominal diameter	10	15	20	25	32	40	50
功耗 Power consumption	AC≤50VA						

主要外形连接尺寸 Main External Connection Dimensions

型号规格 Model	公称通径 Nominal diameter (mm)	工作压力(bar) Working pressure	Kv值 (m³/h)	外形尺寸(mm) Outline size			法兰尺寸(mm) Flange dimensions					
				G	L	H	D	D1	D2	b	f	n-d
ZBSF10	10	B10级: 0~10 B16级: 0~16 B8级: 0~8 (常开) BG0级: -1~0(真空) 25级: 0~25 (特制) B10 level: 0~10 B16 level: 0~16 B8 level: 0~8 (normally open) BG0 level: -1~0 (vacuum) Level 25: 0~25 (specially made)	1.8	3/8"	130	153	90	60	41	14	3	4-Φ14
ZBSF15	15		2.8	1/2"	130	153	95	65	46	14	3	4-Φ14
ZBSF20	20		5.5	3/4"	150	153	105	75	56	16	3	4-Φ14
ZBSF25	25		10	1"	160	153	115	85	65	16	3	4-Φ14
ZBSF32	32		15	1 1/4"	180	176	140	100	76	18	3	4-Φ18
ZBSF40	40		20	1 1/2"	200	176	150	110	84	18	3	4-Φ18
ZBSF50	50		30	2"	230	192	165	125	99	20	3	4-Φ18

GATE VALVE SERIES

闸阀系列



产品用途 Production Use

楔式闸阀广泛适用于石油、化工、电厂、油品、水蒸气等管路上，作为接通或截断管路中介质的启闭装置。
Wedge gate valve is widely used in petroleum, chemical industry, power plants, oil, steam, etc, on the pipeline as connected or truncated the medium inside the pipe opening and closing device.

产品特点 Product Features

- 1、结构紧凑、设计合理、阀门刚性好、通道流畅、流阻系数小;
 - 2、密封面采用不锈钢硬质合金，使用寿命长;
 - 3、采用柔性石墨填料、密封可靠、操作轻便灵活;
 - 4、驱动方式为手动、气动、电动、齿轮传动、液动;
 - 5、结构形式为弹性楔式单闸板、刚性楔式单闸板双闸板式。
1. Compact structure, reasonable design, good rigidity, valve channel flow, flow resistance coefficient is small;
 2. The sealing surface of stainless steel and carbide, long service life;
 3. Using the flexible graphite packing, sealing is reliable, operation is smooth and easy;
 4. Drive mode manual, pneumatic, electric, gear transmission, hydraulic;
 5. The structure form is elastic wedge type single gate, rigid wedge type single gate or double gate.

执行标准 Executive Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to Face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T12234	GB/T12221	JB/T 79、GB/T9113 HG/T20592	GB/T 13927 JB/T9092	GB/T 12224

主要性能规范 Main Performance Specifications

1、试验压力 Test pressure

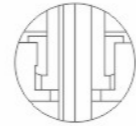
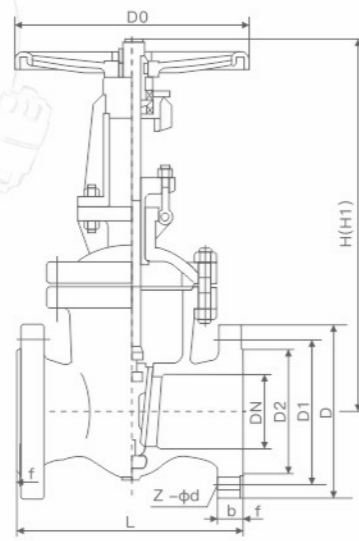
公称压力PN(MPa) Nominal Pressure	壳体 Shell	试验压力(MPa) Test pressure		上密封 Back seat
		密封(液)Liquid Seal	密封(气)Gas Seal	
1.6	2.4	1.8	0.6	1.8
2.5	3.8	2.8	0.6	2.8
4.0	6.0	4.4	0.6	4.4
6.4	9.6	7.1	0.6	7.1
10.0	15.0	11.0	0.6	11.0
16.0	24.0	18.0	0.6	18.0

2、适用介质及适用温度 Applicable media & Applicable temperature

壳体材料 Shell material	适用介质 Applicable media	适用温度℃ Applicable temperature
碳素钢(C型) Carbon steel (C type)	水、蒸汽、油品 Water, steam, oil	≤425
铬镍钢(P型) Cr, Ni, steel (P type)	硝酸类 Nitric acid	≤200
铬镍钼钢(R型) Cr, Ni, Mo, steel (R type)	醋酸类 Acetic acid	≤200
铬钼钢(I型) Cr, Mo steel (I type)	水、蒸汽、油品 Water, steam, oil	≤550

主要零件材质 Main Part Materials

阀体/阀盖 Body, bonnet	闸板/阀座 Disc, seat	阀杆 Stem	阀杆螺母 Stem nut	填料 Packing	手轮 Handwheel
碳素钢 Carbon steel	优质碳钢+硬质合金或不锈钢 High-grade carbon steel+carbide alloy or stainless steel	铬不锈钢 Cr, stainless steel	铜合金 Copper alloy	柔性石墨 Flexible Graphite	可锻铸铁 Malleable Iron
铬镍钢 Cr, Ni, steel	不锈钢、不锈钢+硬质合金 Stainless steel or +carbide alloy	铬镍不锈钢 Cr, Ni, stainless steel	铜合金 Copper alloy	聚四氟乙烯 PTFE	可锻铸铁 Malleable Iron
铬镍钼钢 Cr, Ni, Mo, steel	不锈钢、不锈钢+硬质合金 Stainless steel or +carbide alloy	铬镍不锈钢 Cr, Ni, stainless steel	铜合金 Copper alloy	聚四氟乙烯 PTFE	可锻铸铁 Malleable Iron
铬钼钢 Cr, Mo steel	合金钢+硬质合金 Alloy steel+carbide alloy	铬钼钢 Cr, Mo steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	可锻铸铁 Malleable Iron



DN 40~100



DN 150~200



DN 40~80

主要外形连接尺寸 Main External Connection Dimensions

PN1.0MPa

DN(mm)	L	D	D1	D2	b-f	z-φd	H
15	108	95	65	45	16-2	4-φ14	185
20	117	105	75	58	18-2	4-φ14	200
25	127	115	85	68	18-2	4-φ14	225
32	140	140	100	78	18-2	4-φ18	275
40	240	150	110	88	18-3	4-φ18	290
50	250	165	125	102	18-3	4-φ18	345
65	270	185	145	122	18-3	8-φ18	360
80	280	200	160	138	20-3	8-φ18	380
100	300	220	180	158	20-3	8-φ18	430
125	325	250	210	188	22-3	8-φ18	520
150	350	285	240	212	22-3	8-φ22	600
200	400	340	295	268	24-3	8-φ22	765
250	450	395	350	320	26-3	12-φ22	930
300	500	445	400	370	26-4	12-φ22	1080
350	550	505	460	430	26-4	16-φ22	1200
400	600	565	515	482	26-4	16-φ26	1400
450	650	615	565	532	28-4	20-φ26	1500
500	700	670	620	585	28-4	20-φ26	1630
600	800	780	725	685	34-5	20-φ30	1830

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

DN(mm)	L	D	D1	D2	b-f	z-φd	H
15	108	95	65	45	16-2	4-φ14	185
20	117	105	75	58	18-2	4-φ14	200
25	127	115	85	68	18-2	4-φ14	225
32	140	140	100	78	18-2	4-φ18	275
40	240	150	110	88	18-3	4-φ18	295
50	250	165	125	102	18-3	4-φ18	350
65	270	185	145	122	18-3	8-φ18	370
80	280	200	160	138	20-3	8-φ18	390
100	300	220	180	158	20-3	8-φ18	435
125	325	250	210	188	22-3	8-φ18	520
150	350	285	240	212	22-3	8-φ22	610
200	400	340	295	268	24-3	12-φ22	785
250	450	405	355	320	26-3	12-φ26	960
300	500	460	410	378	28-4	12-φ26	1080
350	550	520	470	438	30-4	16-φ26	1200
400	600	580	525	490	32-4	16-φ30	1400
450	650	640	585	550	40-4	20-φ30	1500
500	700	715	650	610	44-4	20-φ33	1630
600	800	840	770	725	54-5	20-φ36	1830
700	900	910	840	795	40-5	24-φ36	1930
800	1000	1025	950	900	42-5	24-φ39	2030
900	1100	1125	1050	1000	44-5	28-φ39	2130
1000	1200	1255	1170	1115	46-5	28-φ42	2230

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

DN(mm)	L	D	D ₁	D ₂	b-f	z-φd	H
15	140	95	65	45	16-2	4-φ14	185
20	152	105	75	58	18-2	4-φ14	200
25	165	115	85	68	18-2	4-φ14	225
32	178	140	100	78	18-2	4-φ18	275
40	240	150	110	88	18-3	4-φ18	295
50	250	165	125	102	20-3	4-φ18	350
65	270	185	145	122	22-3	8-φ18	370
80	280	200	160	138	24-3	8-φ18	390
100	300	235	190	162	24-3	8-φ22	435
125	325	270	220	188	26-3	8-φ26	520
150	350	300	250	218	28-3	8-φ26	610
200	400	360	310	278	30-3	12-φ26	785
250	450	425	370	335	32-3	12-φ30	930
300	500	485	430	395	34-4	16-φ30	1080
350	550	555	490	450	38-4	16-φ33	1250
400	600	620	550	505	40-4	16-φ36	1430
450	650	670	600	555	46-4	20-φ36	1520
500	700	730	660	615	48-4	20-φ36	1650
600	800	845	770	720	58-5	20-φ39	1850
700	900	960	875	820	50-5	24-φ42	1950
800	1000	1085	990	930	54-5	24-φ48	2050
900	1100	1185	1090	1030	58-5	28-φ48	2150

主要外形连接尺寸 Main External Connection Dimensions

PN4.0MPa

DN(mm)	L	D	D ₁	D ₂	b-f	z-φd	H
15	140	95	65	45	16-2	4-φ14	185
20	152	105	75	58	18-2	4-φ14	200
25	165	115	85	68	18-2	4-φ14	225
32	178	140	100	78	18-2	4-φ18	275
40	190	150	110	88	18-3	4-φ18	295
50	216	165	125	102	20-3	4-φ18	350
65	241	185	145	122	22-3	8-φ18	370
80	283	200	160	138	24-3	8-φ18	390
100	305	235	190	162	24-3	8-φ22	435
125	381	270	220	188	26-3	8-φ26	520
150	403	300	250	218	28-3	8-φ26	610
200	419	375	320	285	34-3	12-φ30	970
250	457	450	385	345	38-3	12-φ33	930
300	502	515	450	410	42-4	16-φ33	1080
350	572	580	510	465	46-4	16-φ36	1250
400	610	660	585	535	50-4	16-φ39	1460
450	660	685	610	560	57-4	20-φ39	1520
500	711	755	670	615	57-4	20-φ42	1650
600	787	890	795	735	72-5	20-φ48	1850

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

电动楔式闸阀是一种做直线运动的阀门，它与Z型多回转执行机构相配，有开关型和智能型。此阀门操作简单是一种最常见的启闭阀，它利用闸板的上下工作来接通和关断管道中的流体介质。广泛用于电力、冶金、石油、化工、造纸、污水处理等行业。Electric wedge gate valve is a kind of linear motion of the valve, it has to do with Z type rotary actuators are more suitable, had an "ON/OFF" switch and intelligent. This valve is simple is one of the most common opening and closing valve that uses disc and work to get through and shut off fluid medium in the pipeline. Widely used in electric power, metallurgy, petroleum, chemical industry, paper making, sewage treatment and other industries.

产品特点 Product Features

- 1、流体阻力小，密封面受介质的冲刷和侵蚀小；
 - 2、开启轻便，密封性能好，介质流向不受限制，不扰流，不降压力；
 - 3、形体简单，制造工艺性好，适用范围广。
1. Low fluid resistance, little scouring and erosion on sealing surface;
 2. Good sealing performance, the medium flow direction is not restricted, not disturbed, and the pressure drop is small;
 3. Simple form, good manufacturing technology, wide application scope.

执行标准 Executive Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T12234	GB/T12221	JB/T 79、GB/T9113 HG/T20592	GB/T 13927 JB/T9092	GB/T 12224

主要性能规范 Main Performance Specifications

1、试验压力 Test pressure

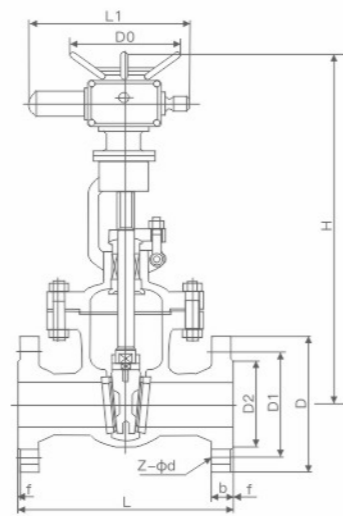
公称压力PN(MPa) Nominal Pressure	壳体 Shell	试验压力(MPa) Test pressure		上密封 Back seat
		密封(液Liquid) Seal	密封(气Gas) Seal	
1.6	2.4	1.8	0.6	1.8
2.5	3.8	2.8	0.6	2.8
4.0	6.0	4.4	0.6	4.4
6.4	9.6	7.1	0.6	7.1
10.0	15.0	11.0	0.6	11.0
16.0	24.0	18.0	0.6	18.0

2、适用介质及适用温度 Applicable media & Applicable temperature

壳体材料 Shell material	适用介质 Applicable media	适用温度℃ Applicable temperature
碳素钢(C型) Carburizing steel (C type)	水、蒸汽、油品 Water, steam, oil	≤425
铬镍钢(P型) Cr.Ni, steel (P type)	硝酸类 Nitric acid	≤200
铬镍钼钢(R型) Cr.Ni.Mo. steel (R type)	醋酸类 Acetic acid	≤200
铬钼钢(I型) Cr.Mo steel (I type)	水、蒸汽、油品 Water, steam, oil	≤550

主要零件材质 Main Part Materials

阀体/阀盖 Body, bonnet	闸板/阀座 Disc, seat	阀杆 Stem	阀杆螺母 Stem nut	填料 Packing	手轮 Handwheel
碳素钢 Carbon steel	优质碳钢+硬质合金或不锈钢 High-grade carbon steel+ carbide alloy or stainless steel	铬不锈钢 Cr.stainless steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	可锻铸铁 Malleable Iron
铬镍钢 Cr.Ni, steel	不锈钢、不锈钢+硬质合金 Stainless steel or+carbide alloy	铬镍不锈钢 Cr.Ni. stainless steel	铜合金 Copper alloy	聚四氟乙烯 PTFE	可锻铸铁 Malleable Iron
铬镍钼钢 Cr.Ni.Mo. steel	不锈钢、不锈钢+硬质合金 Stainless steel or+carbide alloy	铬镍钼不锈钢 Cr.Ni. stainless steel	铜合金 Copper alloy	聚四氟乙烯 PTFE	可锻铸铁 Malleable Iron
铬钼钢 Cr.Mo steel	合金钢+硬质合金 Alloy steel+carbide alloy	铬钼钢 Cr.Mo steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	可锻铸铁 Malleable Iron



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

DN(mm)	L	D	D ₁	D ₂	b	f	Z-φd	H	电动装置 Electric device	WT (Kg)
Z940H Z941Y-16C	Z940 Z941Y-16P/R/PL/RL		Z940 Z941W-16P/R/PL/RL		Z940 Z941Y-16I					
40	200	145	110	85	16	3	4-18	595	DZW15	53
50	250	160	125	100	16	3	4-18	653	DZW20	59
65	265	180	145	120	18	3	4-18	665	DZW20	62
80	280	195	160	135	18	3	8-18	725	DZW20	74
100	300	215	180	155	20	3	8-18	787	DZW20	92
150	350	280	240	210	24	3	8-23	955	DZW30	161
200	400	335	295	265	26	3	12-23	1105	DZW30	219
250	450	405	355	320	30	3	12-25	1343	DZW45	376
300	500	460	410	375	30	3	12-25	1516	DZW60	484
350	550	520	470	435	34	4	16-25	1678	DZW60	695
400	600	580	525	485	36	4	16-30	1849	DZW90	977
450	650	640	585	545	40	4	20-30	1937	DZW90	1033
500	700	705	650	608	44	4	20-34	2234	DZW120	1087
600	800	840	770	718	48	5	20-41	2432	DZW180	1357
700	900	910	840	788	50	5	24-41	2489	DZW250	1481
800	1000	1020	950	898	52	5	24-41	2643	DZW350	1845

注: DN700、DN800的型号为Z942型。 Note: DN700, DN800 type is Z942.

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

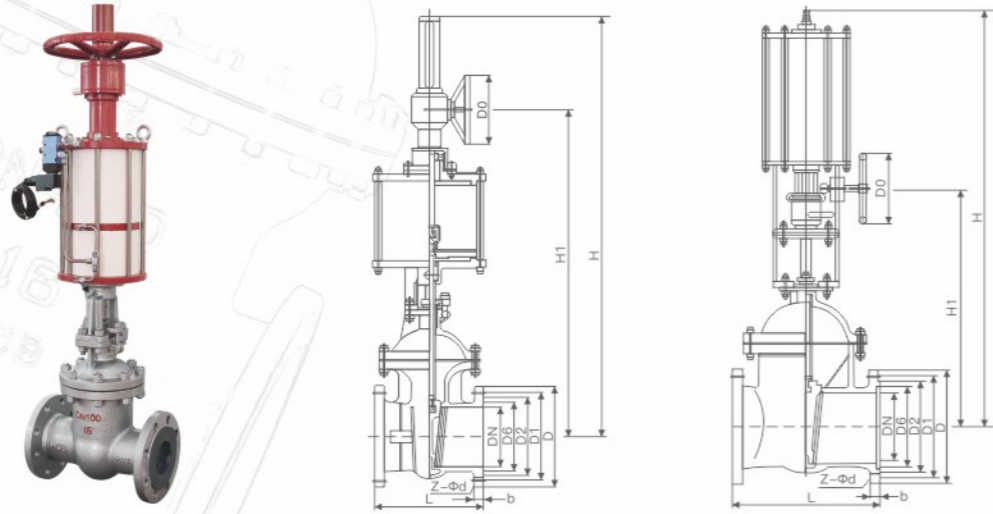
DN(mm)	L	D	D ₁	D ₂	b	f	Z-φd	H	电动装置 Electric device	WT(Kg)
Z940H Z941Y-25C	Z940 Z941Y-25P/R/PL/RL		Z940 Z941W-25P/R/PL/RL		Z940 Z941Y-25I					
40	200	145	110	85	18	3	4-18	595	DZW15	60
50	250	160	125	100	20	3	4-18	653	DZW20	64
65	265	180	145	120	22	3	4-18	665	DZW20	65
80	280	195	160	135	22	3	8-18	725	DZW20	79
100	300	230	190	160	24	3	8-23	787	DZW20	98
125	325	270	220	188	28	3	8-25	902	DZW30	154
150	350	300	250	218	30	3	8-25	955	DZW30	168
200	400	360	310	278	34	3	12-25	1105	DZW45	219
250	450	425	370	332	36	3	12-30	1343	DZW45	390
300	500	485	430	390	40	4	16-30	1516	DZW60	505
350	550	550	490	448	44	4	16-34	1678	DZW60	736
400	600	610	550	505	48	4	16-34	1849	DZW90	1027
450	650	660	600	555	50	4	16-34	1937	DZW90	1139
500	700	730	660	610	52	4	20-34	2234	DZW120	1228
600	800	840	770	718	56	5	20-41	2432	DZW180	1502
700	900	955	875	815	60	5	20-41	2489	DZW250	1617
800	1000	1070	990	930	64	5	24-48	2643	DZW350	1923

注: DN700、DN800的型号为Z942型。 Notice: DN700, DN800 type is Z942.

主要外形连接尺寸 Main External Connection Dimensions

PN4.0MPa

DN(mm)	L	D	D ₁	D ₂	D ₆	b	Z-φd	f	f ₂	H	电动装置 Electric device	WT (Kg)
Z940H Z941Y-40C	Z940 Z941Y-40P/R/PL/RL		Z940 Z941W-40P/R/PL/RL		Z940 Z941Y-40I							
40	200	145	110	85	76	18	4-18	3	4	617	DZW15	62
50	250	160	125	100	88	20	4-18	3	4	665	DZW20	66
65	280	180	145	120	110	22	8-18	3	4	680	DZW20	68
80	310	195	160	135	121	22	8-18	3	4	752	DZW20	80
100	350	230	190	160	150	24	8-23	3	4.5	846	DZW30	108
150	450	300	250	218	204	30	8-25	3	4.5	1087	DZW45	258
200	550	375	320	282	260	38	12-30	3	4.5	1243	DZW45	366
250	650	445	385	345	313	42	12-34	3	4.5	1429	DZW60	472
300	750	510	450	408	364	46	16-34	4	4.5	1608	DZW90	673
350	850	570	510	465	422	52	16-34	4	5	1738	DZW90	804
400	950	655	585	535	474	58	16-41	4	5	1897	DZW120	1081
450	1050	680	610	560	524	60	20-41	4	5	2104	DZW120	1259
500	1150	755	670	612	576	62	20-48	4	5	2401	DZW180	1348



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

DN(mm)	L	D	D1	D2	b	Z-φd	H	H1	D0	WT(kg)
			CZ6s40H-16C		CZ6s40Y-16P		CZ6s40Y-16R			
50	250	160	125	100	16	4-φ18	950	570	180	36
65	270	180	145	120	18	4-φ18	1050	596	180	53
80	280	195	160	135	20	8-φ18	1080	635	200	72
100	300	215	180	155	20	8-φ18	1145	645	250	90
125	320	245	210	185	22	8-φ18	1210	685	250	120
150	350	280	240	210	24	8-φ18	1300	720	320	132
200	400	335	295	265	26	12-φ23	1660	940	400	258
250	450	405	355	320	30	12-φ25	1790	1050	400	297
300	500	460	410	375	30	12-φ25	1990	1150	450	420
350	550	520	470	435	34	16-φ25	2090	1170	450	558
400	600	580	525	485	36	16-φ30	2290	1325	500	840
450	650	640	585	545	40	20-φ30	2485	1465	500	1110
500	700	705	650	608	44	20-φ34	2640	1590	550	1380
600	800	840	770	718	48	20-φ41	2940	1720	550	1620
700	900	910	840	788	50	24-φ41	3450	1960	600	1966
800	1000	1020	950	898	52	24-φ41	3650	2190	600	2282
900	1100	1120	1050	998	54	28-φ41	3815	2400	800	2495
1000	1200	1255	1170	1110	56	28-φ48	4000	2650	800	2760

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

DN(mm)	L	D	D1	D2	b	Z-φd	H	H1	D0	WT(kg)
			CZ6s40H-25C		CZ6s40Y-25P		CZ6s40Y-25R			
50	250	160	125	100	20	4-φ18	950	570	180	36
65	270	180	145	120	22	8-φ18	1050	596	180	55
80	280	195	160	135	22	8-φ18	1080	635	200	76
100	300	230	190	160	24	8-φ23	1145	645	250	94
125	325	270	220	188	28	8-φ25	1210	685	250	126
150	350	300	250	218	30	8-φ25	1300	720	320	136
200	400	360	320	278	34	12-φ25	1660	940	400	265
250	450	425	370	332	36	12-φ30	1790	1020	400	300
300	500	485	430	390	50	16-φ30	1990	1150	450	436
350	550	550	490	448	44	16-φ34	2090	1170	450	580
400	600	610	550	505	48	16-φ34	2290	1325	500	860
450	650	660	600	555	50	20-φ34	2485	1465	500	1260
500	700	730	660	610	52	20-φ41	2640	1590	550	1420
600	800	840	770	718	56	20-φ41	2940	1720	550	1710
700	900	955	875	815	60	24-φ48	3450	1960	600	2105
800	1000	1070	990	930	64	24-φ48	3650	2190	600	2310
900	1100	1180	1090	1025	66	28-φ54	3815	2400	800	2620
1000	1200	1305	1210	1140	68	28-φ58	4000	2650	800	2960

主要外形连接尺寸 Main External Connection Dimensions

PN4.0MPa

DN(mm)	L	D	D1	D2	D6	b	Z-φd	H	H1	D0	WT(kg)
			CZ6s40H-40C		CZ6s40Y-40P		CZ6s40Y-40R				
50	250	160	125	100	88	20	4-φ18	950	570	200	42
65	280	180	145	120	110	22	8-φ18	1050	596	200	68
80	310	195	160	135	121	22	8-φ18	1080	635	250	84
100	350	230	190	160	150	24	8-φ23	1145	645	320	102
125	400	270	220	188	176	28	8-φ25	1210	700	320	135
150	450	300	250	218	204	30	8-φ25	1330	750	400	156
200	550	375	320	282	260	38	12-φ30	1660	940	400	276
250	650	445	385	345	313	42	12-φ34	1820	1050	450	306
300	750	510	450	408	364	46	16-φ34	1990	1150	450	510
350	850	570	510	465	422	52	16-φ34	2110	1190	500	720
400	950	655	585	535	474	58	16-φ41	2335	1370	550	1050
450	1050	680	610	560	524	60	20-φ41	2490	1510	550	1320
500	1150	755	670	612	576	62	20-φ48	2640	1590	550	1800
600	1350	890	795	730	678	62	20-φ54	2940	1720	600	2160

产品用途 Production Use

法兰连接美标波纹管闸阀适用于公称压力 CLASS150~1500LB, 工作温度-29~350°C的石油、化工、制药、化肥、电力行业等各种工况的管路上, 切断或接通管路介质。

Flange connected ANSI Standard bellows gate valve is applicable to cut off or connect the pipeline medium on the pipeline with nominal pressure class 150~1500Lb and working temperature -29~350°C in petroleum, chemical industry, pharmaceutical industry, chemical fertilizer, electric power industry and other working conditions.

产品特点 Product Features

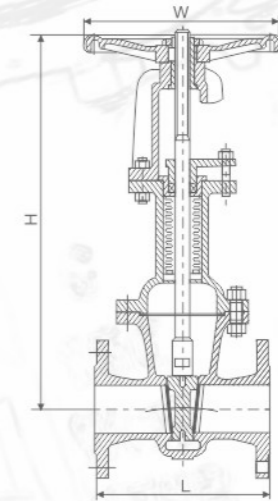
- | | |
|--|---|
| <ol style="list-style-type: none"> 1. 产品结构合理、密封可靠、性能优良、造型美观; 2. 密封面堆焊Co基硬质合金, 耐磨、耐腐、抗摩擦性能好、使用寿命长; 3. 阀杆调质及表面氮化处理, 有良好的抗腐和抗摩擦性能; 4. 双重密封, 性能更可靠; 5. 阀杆升降位置指示、更直观; 6. 零件材质及法兰、对焊端尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。 | <ol style="list-style-type: none"> 1. Reasonable product structure, reliable sealing, excellent performance, beautiful appearance; 2. The sealing surface is welded with Co-based hard alloy, which has good wear resistance, corrosion resistance, friction resistance and long service life; 3. Valve stem quenching and tempering and surface nitriding treatment have good corrosion resistance and friction resistance; 4. Double sealing, more reliable performance; 5. The valve stem lifting position indication is more intuitive; 6. The material of the parts, the flange and the size of the butt welding end can be reasonably selected according to the actual working conditions or user requirements to meet various engineering needs. |
|--|---|

主要性能规范 Main Performance Specifications

公称压力(LB) Nominal pressure	壳体试验压力(MPa) Shell test	密封试验压力(MPa) Sealing test	适用温度(°C) Suitable temp.	使用介质 Suitable medium
150	3.0	2.2	≤350°C	水、蒸汽、油品等 Water oil & gas
300	7.5	5.5		
600	15.0	11.0		
900	22.5	16.5		
1500	37.5	27.5		

主要零件材质 Main Part Materials

序号No.	名称 Part name	材质 Material
1	阀体 Body	ASTM A216-WCB ASTM A351-CF8, CF8M, CF3, CF3M
2	闸板 Disc	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
3	阀杆 Stem	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	垫片 Gasket	柔性石墨+不锈钢 Flexible graphite+stainless steel, PTFE
5	双头螺栓 Bolt	ASTM A193-B7, A193-B8, A193-B8M
6	六角螺母 Nut	ASTM A194-2H, A194-8, A194-8M
7	阀盖 Bonnet	ASTM A216-WCB ASTM A351-CF8, CF8M, CF3, CF3M
8	波纹管组件 Bellow assemble	ASTM A182-F304, F316, F321, F304L, F316L
9	填料 Packing	柔性石墨 Flexible graphite, PTFE
10	填料压盖 Packing gland	ASTM A216-WCB ASTM A351-CF8, CF8M, CF3, CF3M
11	支架 Yoke	ASTM A216-WCB ASTM A351-CF8, CF8M, CF3, CF3M
12	阀杆螺母 Stem nut	铜合金 Copper alloy ZQA19-4
13	手轮 Handwheel	ASTM A536 Gr.60-40-18, A216-WCB



主要外形连接尺寸 Main External Connection Dimensions

Class 150~600LB

型号 Model		AWZ41-150LB									
压力等级 Pressure		150LB									
口径 Size	mm	50	65	80	100	125	150	200	250	300	350
	in	2	2 1/2	3	4	5	6	8	10	12	14
L		178	190	203	229	254	267	292	330	356	381
H		370	398	440	490	530	580	670	760	850	950
W		220	260	280	300	340	400	450	450	500	500
重量(Kg)Weight		30	42	55	70	100	140	180	250	350	450

型号 Model		AWZ41-300LB									
压力等级 Pressure		300LB									
口径 Size	mm	50	65	80	100	125	150	200	250	300	350
	in	2	2 1/2	3	4	5	6	8	10	12	14
L		216	241	282	305	381	403	502	568	648	762
H		370	398	440	490	530	580	670	760	850	980
W		220	260	280	300	340	400	450	450	500	500
重量(Kg)Weight		38	53	70	88	125	175	225	310	440	560

型号 Model		AWZ41-600LB									
压力等级 Pressure		600LB									
口径 Size	mm	50	65	80	100	125	150	200	250	300	350
	in	2	2 1/2	3	4	5	6	8	10	12	14
L		292	330	356	432	508	559	660	787	838	889
H		370	398	440	490	530	580	670	760	850	980
W		220	260	280	300	340	400	450	450	500	500
重量(Kg)Weight		50	70	90	105	165	230	300	400	570	730



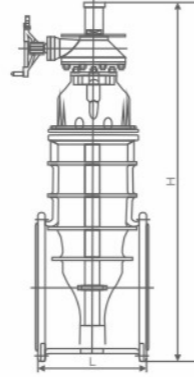
手轮式弹性座封闸阀
Hand wheel resilient seated seal gate valve



伞齿轮弹性座封闸阀
Bevel-gear resilient seated seal gate valves



电动式弹性座封闸阀
Electric resilient seated seal gate valves



产品概述 Product Overview

大口径弹性座封闸阀采用最优质的球墨铸铁或碳钢铸造而成，具有强度高、重量轻，几何尺寸精确特点，闸板具有互换的功能，加装螺旋伞齿轮省力机构，一人可非常轻松自如地开关，也可根据用户的要求加装开闭指示柱，或电动、气动执行机构。密封、防锈功能极佳，安全可靠，使用寿命长。可立式或卧式安装，广泛应用于给排水系统、污水处理系统、市政建设及矿山、冶金、电厂等行业。

Large diameter resilient seated seal gate valve is cast with top-quality ductile iron or carbon steel, which owns characteristics of high strength, light weight, accurate dimensions. The wedge disc has the function of interchange. By adding the structure of spiral bevel gear, it can be easily operated by one person. It can also install opening and closing instructions column, electrical actuators or pneumatic actuators according to the demands of clients. The valve owns excellent function of seal and anti-corrosion. With safety and reliability, it has a long life. The product can be installed vertically and horizontally and water supply and drainage system, sewage treatment system, municipal construction, mine, metallurgy and power station, etc.

主要零件材质 Main Part Materials

序号No.	零件名称 Part names	材料 Materials
1	阀体 Body	球墨铸铁、铸钢 Nodular cast iron, cast steel
2	闸板 Disc	球墨铸铁外覆三元乙丙或丁腈橡胶 Nodular cast iron coated with epdm or NBR
3	内六角螺栓 Bolt	碳化处理 Carbonization processing
4	密封圈 Seal ring	三元乙丙或丁腈橡胶 EPDM or NBR
5	阀盖 Bonnet	球墨铸铁、铸钢 Nodular cast iron, cast steel
6	阀杆 Stem	不锈钢 Stainless steel
7	"O"形密封圈 "O" type sealing ring	丁腈橡胶 NBR
8	止推轴承 Thrust bearing	锡青铜 Tin bronze
9	螺栓 Bolt	碳钢、合金钢 Carbon steel, alloy steel
10	压盖 Gland	球墨铸铁、铸钢 Nodular cast iron, cast steel
11	防尘罩 Dust-proof covers	丁腈橡胶 NBR

主要技术参数 Main Technical Parameters

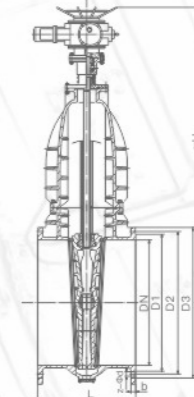
公称压力 Nominal pressure: 1.0~2.5MPa
公称通径 Nominal diameter: 500~1200mm
工作温度 Operating temperature: 0~80°C

适用介质 Applicable media: 水、油、气等 Water, oil and gas, etc
法兰标准 Flange standards: GB/T 17241.6、GB/T 9113
试验标准 Testing standards: GB/T 13927、API 598

主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

DN	500	600	700	800	900	1000	1200
L	457	508	660	720	780	840	960
H(手轮 Handwheel)	1480	1665	2200	2800	2800	3000	3000
H(伞齿轮 Bevel gears)	1650	1900	2350	2950	2950	3150	3150
H(电动 Electric)	电动装置可由用户指定 Electric device can be specified by customers						



主要技术参数 Main Technical Parameters

型号 Model	Z946/546/446T-6/10Q	
公称压力(PN) Nominal pressure	6	10
密封试验(MPa) Seal test	0.66	1.1
壳体试验(MPa) Shell test	0.9	1.5
适用温度(≤℃) Applicable tem.	100	100
适用介质 Applicable medium	水 Water	水 Water

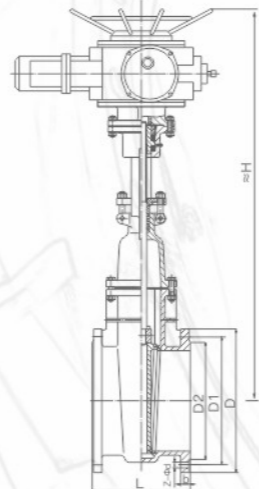
主要零件材质 Main Part Materials

零件名称 Part Name	材料 Material
阀体/阀盖/闸板 Body/bonnet/gate	铸铁 Cast iron
阀杆 Stem	不锈钢 Stainless steel
阀杆螺母 Stem nut	铜合金 Copper alloy
密封圈 Sealing ring	铜合金 Copper alloy
填料 Packing	柔性石墨 Flexible graphite

主要外形连接尺寸 Main External Connection Dimensions

DN(mm)	L	D1	D2	D3	b	Z-Φd	≈H	电动装置 Electric actuator
1600	1100	1750(1710)	1820(1760)	1915(1830)	68(48)	40-49(40-37)	3365	Z350
1800	1500	1950(1918)	2020(1970)	2115(2045)	70(50)	44-49(44-40)	4396	Z650
2000	1600	2150(2125)	2230(2180)	2325(2265)	74(54)	48-49(48-43)	4850	Z650
2200	1650	(2335)	(2390)	(2475)	(60)	(52-43)	5100	Z650

注：1、本产品执行GB/T12232《通用阀门法兰连接铁制闸阀》 2、括号内尺寸为PN6的尺寸。
Note: 1. This product is in accordance with GB/T12232 "General valve flanged iron gate valve". 2. The dimension in brackets is PN6.


技术参数 Technical Paramters

型号 Model	Z941T-10/10Q	Z941H-10/10Q	Z941W-10/10Q
公称压力(PN) Nominal pressure	10	10	10
密封试验(MPa) Seal test	1.1	1.1	1.1
壳体试验(MPa) Shell test	1.5	1.5	1.5
适用温度(≤℃) Applicable tem.	200	100	100
适用介质 Applicable medium	水/蒸汽 Water / steam	水 Water	油品 Oils

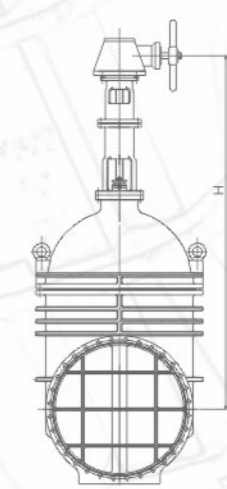
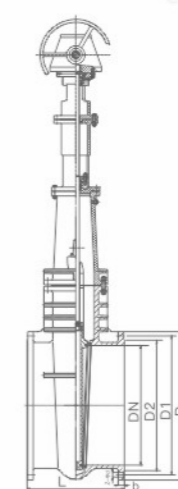
主要零件材质 Main Part Materials

零件名称 Part Name	材料 Material		
	Z941T-10/10Q	Z941H-10/10Q	Z941W-10/10Q
阀体/阀盖 闸板 Body/bonnet gate	铸铁 Cast iron	铸铁 Cast iron	铸铁 Cast iron
阀杆 Stem	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel
阀杆螺母 Stem nut	铜合金 Copper alloy	铜合金 Copper alloy	铜合金 Copper alloy
密封圈 Sealing ring	铜合金 Copper alloy	不锈钢 Stainless steel	-
填料 Packing	柔性石墨 Flexible graphite		

主要外形连接尺寸 Main External Connection Dimensions

DN	L		D	D1	D2	Z-Φd	≈H	电动装置 Motor unit
	JB	GB						
80	210	203	200	160	132	8-19	608	Z10-24/36
100	230	229	220	180	156	8-19	712	Z10-24/36
125	255	254	250	210	184	8-19	797	Z15-24/36
150	280	267	285	240	211	8-23	850	Z15-24/36
200	330	292	340	295	266	8-23	1065	Z20-24/36
250	380	330	395	350	319	12-23	1187	Z20-24/36
300	420	356	445	400	370	12-23	1312	Z30-24/36
350	450	381	505	460	429	16-23	1362	Z30-24/36
400	480	406	565	515	480	16-28	1422	Z45-24/36
450	510	432	615	565	530	20-28	1932	Z60-24/36
500	540	457(700)	670	620	582	20-28	2300	Z60-24/36
600	600	508(800)	780	725	682	20-31	2520	Z90-28/36
700	660	610	895	840	794	24-31	2610	Z180
800	720	660	1015	950	901	24-34	2715	Z180
900	780	711	1115	1050	1001	28-34	2996	Z250
1000	840	811	1230	1160	1112	28-37	3185	Z350
1200	960	1015	1455	1380	1328	32-40	3410	Z350

注：本产品执行GB/T12232《通用阀门法兰连接铁制闸阀》。
 Note: This product is in accordance with GB/T 12232 general valve flanged iron gate valve.


技术参数 Technical Paramters

型号 Model	Z441/541T-10/10Q	Z441/541H-10/10Q	Z441/541W-10/10Q
公称压力(PN) Nominal pressure	10	10	10
密封试验(MPa) Seal test	1.1	1.1	1.1
壳体试验(MPa) Shell test	1.5	1.5	1.5
适用温度(≤℃) Applicable tem.	200	100	100
适用介质 Applicable medium	水/蒸汽 Water / steam	水 Water	油品 Oils

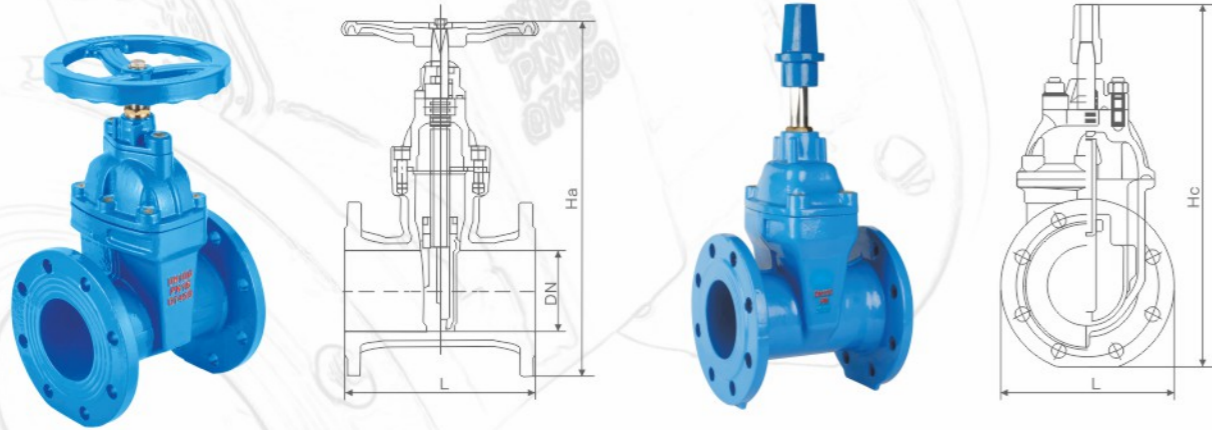
主要零件材质 Main Part Materials

零件名称 Part Name	材料 Material		
	Z441/541T-10/10Q	Z441/541H-10/10Q	Z441/541W-10/10Q
阀体/阀盖 闸板 Body/bonnet gate	铸铁 Cast iron	铸铁 Cast iron	铸铁 Cast iron
阀杆 Stem	不锈钢 Stainless steel	不锈钢 Stainless steel	不锈钢 Stainless steel
阀杆螺母 Stem nut	铜合金 Copper alloy	铜合金 Copper alloy	铜合金 Copper alloy
密封圈 Sealing ring	铜合金 Copper alloy	不锈钢 Stainless steel	-
填料 Packing	柔性石墨 Flexible graphite		

主要外形连接尺寸 Main External Connection Dimensions

DN	L		D	D1	D2	Z-Φd	H(全开) ALL OPEN	H(全关) ALL OFF
	JB	GB						
80	210	203	200	160	132	8-19	608	688
100	230	229	220	180	156	8-19	712	812
125	255	254	250	210	184	8-19	797	922
150	280	267	285	240	211	8-23	850	1000
200	330	292	340	295	266	8-23	1065	1265
250	380	330	395	350	319	12-23	1187	1437
300	420	356	445	400	370	12-23	1312	1612
350	450	381	505	460	429	16-23	1362	1712
400	480	406	565	515	480	16-28	1422	1542
450	510	432	615	565	530	20-28	1932	1660
500	540	457(700)	670	620	582	20-28	2300	1810
600	600	508(800)	780	725	682	20-31	2520	2097
700	660	610	895	840	794	24-31	2610	2514
800	720	660	1015	950	901	24-34	2715	2896
900	780	711	1115	1050	1001	28-34	2996	3040
1000	840	811	1230	1160	1112	28-37	3185	3160
1200	960	1015	1455	1380	1328	32-40	3410	3410

注：本产品执行GB/T12232《通用阀门法兰连接铁制闸阀》。
 Note: This product is in accordance with GB/T 12232 general valve flanged iron gate valve.

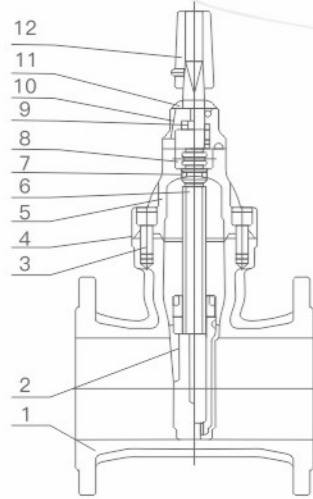


产品概述 Product Overview

Z45X暗杆弹性座封闸阀，利用闸门整体包胶产生变形补偿作用达到良好的密封效果，克服了一般闸阀密封不良、漏水和生锈的现象，更有效的节约安装空间。可广泛用于自来水、污水、建筑、石油、化工、食品、医药、轻纺、电力、船舶、冶金、能源系统等流体管线上作为调节器和截流装置使用。

Z45X Non-rising stem resilient seated seal gate valve uses elastic deformation compensation effect produced by overall packaging rubber of valve plate to achieve good seal effect, overcoming bad seal performance, leaking and rust of normal gate valves and saving installation space effectively. It can be widely used as a regulating and throttling device for fluid pipelines in some systems such as water supply, sewage treatment, construction, petroleum, chemical industry, food industry, medicine, textile industry, electrical power, ship construction, metallurgy and energy, etc.

主要零件材质 Main Part Materials



序号No.	零件名称 Part names	材料 Materials
1	阀体 Body	球墨铸铁、铸钢 Nodular cast iron、cast steel
2	闸板 Plate	球墨铸铁外覆三元乙丙或丁腈橡胶 Nodular cast iron coated with epdm or NBR
3	内六角螺栓 Bolt	碳化处理 Carbonization processing
4	密封圈 Seal ring	丁腈橡胶 NBR
5	阀盖 Bonnet	球墨铸铁、铸钢 Nodular cast iron、cast steel
6	阀杆 Stem	不锈钢 Stainless steel
7	“O”形密封圈 “O” type seal ring	丁腈橡胶 NBR
8	止推轴承 Thrust bearing	锡青铜 Tin bronze
9	螺栓 Screw	不锈钢 Stainless steel
10	压盖 Gland	球墨铸铁、铸钢 Nodular cast iron、cast steel
11	防尘罩 Dust guide	丁腈橡胶 NBR
12	手轮(传动帽) The handwheel (transmission cap)	铸铁 Cast iron

技术参数 Technical Parameters

公称压力 Nominal pressure: 1.0~2.5MPa
公称通径 Nominal diameter: 50~600mm
工作温度 Operating temperature: 0~80℃

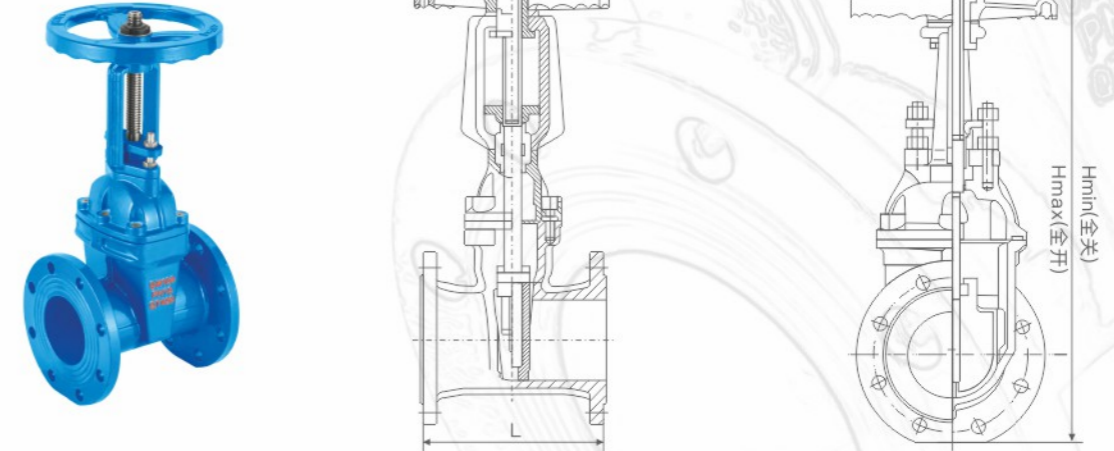
适用介质 Applicable media: 水、油、气等 Water, oil and gas, etc
法兰标准 Flange standards: GB/T 17241.6、GB/T 9113
试验标准 Testing standards: GB/T 13927、API 598

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
Ha	313	332	372	424	497	562	680	837	948	1010	1220	1280	1480	1665
Hc	355	375	415	476	540	600	720	875	990	1050	1245	1310	1560	1750

注：本表中结构长度按GB/T 12221标准。Note: The Face to Face in this table is in accordance with GB/T 12221 standard.

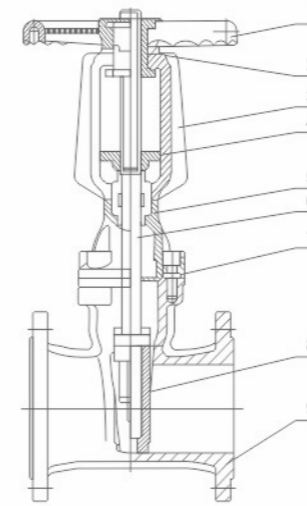


产品概述 Product Overview

Z41X明杆弹性座封闸阀，承压部件为高强铸铁；闸板包胶；表面采用无害环氧树脂静电喷涂，可用于饮用水管路；阀体采用无闸槽设计，不会造成污物淤积，更适用于污水工况；广泛应用于自来水、污水处理、冶金、石油、建筑化工、电力等行业。

Z41X Rising stem resilient seated seal gate valve, the pressure-containing member of is high-strength cast iron. Its surface adopts harmless epoxy resin to do electrostatic plastic spraying coating, so it can be used in drinking water pipelines. The valve body is designed not to have slot, which will avoid causing dirt to silt up. Therefore, it is more applicable for sewage conditions. It is also widely used in some fields such as water supply, sewage treatment, metallurgy, petroleum, architectural and chemical industry and electrical power, etc.

主要零件材质 Main Part Materials



序号No.	零件名称 Part names	材料 Materials
1	手轮 Handwheel	可锻铸铁 Malleable cast iron
2	阀杆螺母 Stem nut	铜合金 Brass alloy
3	支架 Yoke	球墨铸铁、铸钢 Nodular cast iron、cast steel
4	压盖 Gland	球墨铸铁、铸钢 Nodular cast iron、cast steel
5	密封圈 Seal ring	丁腈橡胶、三元乙丙 NBR、EPDM
6	阀杆 Stem	不锈钢 Stainless steel
7	中口垫 Mouth pad in	丁腈橡胶、三元乙丙 NBR、EPDM
8	闸板 Disc	球墨铸铁+三元乙丙或丁腈橡胶 Nodular cast iron+EPDM or NBR
9	阀体 Body	球墨铸铁、铸钢 Nodular cast iron、cast steel

技术参数 Technical Parameters

公称压力 Nominal pressure: 1.0~2.5MPa
公称通径 Nominal diameter: 50~400mm
工作温度 Operating temperature: 0~80℃

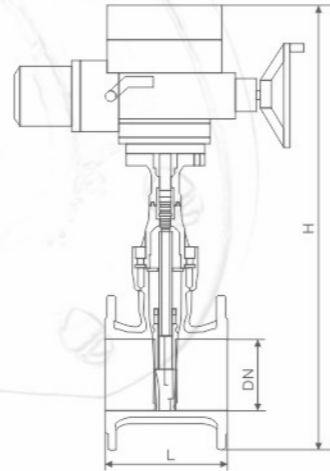
适用介质 Applicable media: 水、油、气等 Water, oil and gas, etc
法兰标准 Flange standards: GB/T 17241.6 GB/T 9113
试验标准 Testing standards: GB/T 13927 API 598

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400
L	178	190	203	229	254	267	292	330	356	381	406
(全关) Hmin	322	332	350	420	581	581	736	882	1009	1300	1380
(全开) Hmax	374	398	429	524	721	736	942	1013	1117	1655	1805

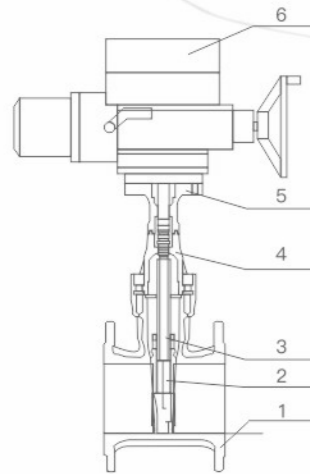
注：本表中结构长度按GB/T 12221标准。Note: The Face to Face in this table is in accordance with GB/T 12221 standard.



产品概述 Product Overview

Z945X电动弹性座封闸阀, 可根据用户的要求装配各种电动执行机构, 实现远距离控制及自动控制。具有灵敏、可靠、安装方便等特点。可广泛用于自来水、污水、建筑、石油、化工、食品、医药、轻纺、电力、船舶、冶金、能源系统等流体管线上作为调节器和截流装置使用。

Z945X Electric elastic seat sealed gate valve can be equipped with various electric actuators according to the requirements of users to realize remote control and automatic control. It is sensitive, reliable and easy to install. It can be widely used as regulator and interceptor in water, sewage, construction, petroleum, chemical industry, food, medicine, light textile, electric power, ship, metallurgy, energy system and other fluid pipelines.



主要零件材质 Main Part Materials

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	球墨铸铁、铸钢 Ductile iron, cast steel
2	阀板 Plate	球墨铸铁外覆三元乙丙或丁腈橡胶 Ductile iron coated with EPDM or NBR
3	阀杆 Stem	不锈钢 Stainless steel
4	阀盖 Bonnet	球墨铸铁、铸钢 Ductile iron, cast steel
5	支架 Bracket	球墨铸铁、铸钢 Ductile iron, cast steel
6	电动头 Electric head	-

技术参数 Technical Paramters

公称压力 Nominal pressure: 1.0~2.5MPa
公称通径 Nominal diameter: 50~600mm
工作温度 Working temperature: 0~80°C

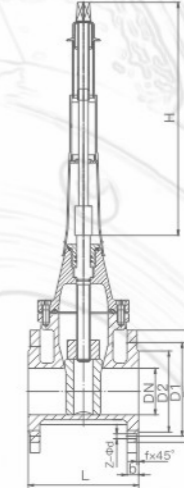
适用介质 Nominal pressure: 水、油、气等
法兰标准 Nominal diameter: GB/T 17241.6、GB/T 9113
试验标准 Working temperature: GB/T 13927、API 598

主要外形连接尺寸 Main External Connection Dimensions

单位 Unit: mm

DN(mm)	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
H	732	773	820	870	915	1003	1110	1263	1360	1550	1610	1900	1938	2120

注: 本表中结构长度按GB/T 12221标准。Note: The Face to Face in this table is in accordance with GB/T 12221 standard.



产品概述 Product Overview

MZ45X 直埋式弹性座封闸阀采用可以免维护及延长阀杆的设计方案, 一次性地埋, 避免阀井昂贵的造价及道路多次改造和阀门更换带来的巨大投资, 美化道路环境, 耐碾压, 避免井盖丢失造成安全事故。适用饮用水、给排水、污水处理、天然气与煤气、工业以及食品等行业。MZ45X Directly buried elastic seat sealed gate valve adopts the design scheme of maintenance free and extension of valve rod, which can be buried in one time to avoid the expensive cost of valve well and the huge investment brought by the road reconstruction and valve replacement for many times, beautify the road environment, resist rolling and avoid the safety accident caused by the loss of well cover. It is suitable for drinking water, water supply and drainage, sewage treatment, natural gas and gas, industry, food and other industries.

技术参数 Technical Paramters

型号 Model	MZ45X-10Q	MZ45X-16Q
公称压力(PN) Nominal pressure	10	16
密封试验(MPa) Seal test	1.1	1.76
壳体试验(MPa) Shell test	1.5	2.4
适用温度(≤°C) Applicable tem.	80	80
适用介质 Applicable medium	水 Water	

主要零件材质 Main Part Materials

零件名称 Part Name	材质 Material
阀体/阀盖 Body/Bonnet	球墨铸铁 Ductile iron
闸板 Gate	球墨铸铁包橡胶 Ductile iron covered rubber
伸缩杆 Telescopic rod	不锈钢 Stainless steel
伸缩套/地理盒 Telescopic sleeve/buried box	ABS塑料/球墨铸铁 ABS plastic/ductile iron
阀杆螺母 Stem nut	铜合金 Copper alloy

主要外形连接尺寸 Main External Connection Dimensions

单位: mm

DN	L	D		D1		D2		b		Z-φd	
		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
80	203	200	200	160	160	132	132	19	19	8-19	8-19
100	229	220	220	180	180	156	156	19	19	8-19	8-19
125	254	250	250	210	210	184	184	19	19	8-19	8-19
150	267	285	285	240	240	211	211	19	19	8-23	8-23
200	292	340	340	295	295	266	266	20	20	8-23	12-23
250	330	395	405	350	355	319	319	22	22	12-23	12-28
300	356	445	460	400	410	370	370	24.5	24.5	12-23	12-28
350	381	505	520	460	470	429	429	24.5	26.5	16-23	16-28
400	406	565	580	515	525	480	480	24.5	28	16-28	16-31
450	432	615	640	565	585	530	548	25.5	30	20-28	20-31
500	457	670	715	620	650	582	609	26.5	31.5	20-28	20-34
600	508	780	840	725	770	682	720	30	36	20-31	20-37

注: 1、本表中法兰尺寸按GB/T 17241.6-2008标准, 结构长度按GB/T 12221-2005标准。
Note: 1. The flange size in this table is in accordance with GB/T 17241.6-2008, and the structure length is in accordance with GB/T 12221-2005.

产品用途 Production Use

对夹式刀型闸阀因采用刀型闸板，具有良好的剪切作用，最适宜于浆料、粉粒料、纤维等难以控制的流体，广泛应用于造纸、石化、矿山、排水、食品等行业。具有多种阀座可供选择，并且可依据现场控制需求，配备电动或气动执行器，实现阀门的自动化操作。

The wafer type gate valve has a good shearing effect due to the use of a blade gate. It is most suitable for fluids that are difficult to control, such as slurries, powders and fibers, and is widely used in papermaking, petrochemical, mining, drainage, food, etc industry. There are a variety of valve seats to choose from, and can be equipped with electric or pneumatic actuators according to the needs of on-site control to realize the automatic operation of the valve.

产品特点 Product Features

- 1、超短结构长度，节省材料，可使管路系统整体重量大大减轻；
 - 2、占用有效空间小，能有效支持管道的强度，可减少管道振动的可能性；
 - 3、闸板选用奥氏体不锈钢，耐腐蚀性能大大提高，可有效的防止由于闸板腐蚀引起的密封泄漏；
 - 4、上密封填料采用柔性 PTFE，密封可靠、操作轻便灵活；
 - 5、闸板具有闸刀的功能，能有效的闸断介质中各类杂物；
 - 6、采用硬密封不锈钢材质，阀瓣喷焊处理，可以扩展阀门对温度、压力的要求。
1. The structure of the ultra short length, save material, can make the pipeline system greatly reduce the overall weight;
 2. Take up the effective space is little, can effectively support the pipeline strength, can reduce the possibility of pipeline vibration;
 3. Choose austenitic stainless steel gate, decay resistance performance is greatly improved, can effectively prevent because of damper seal leakage caused by corrosion
 4. PTFE packing on using the flexible, reliable seal, flexible operation of the light;
 5. Has the function of knife gate can effective brake circuit medium of various kinds of sundry;
 6. Hard seal stainless steel material, the disc spray welding processing, can extend the valve to temperature and pressure requirements.

执行标准 Executive Standard

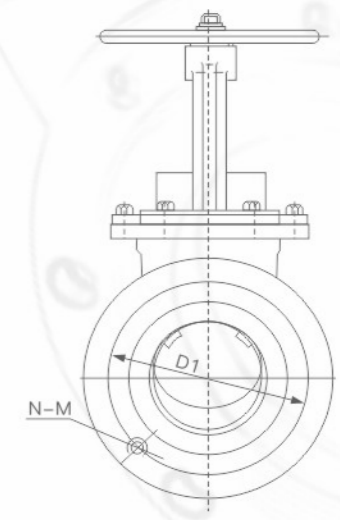
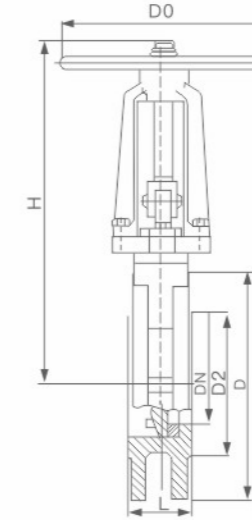
产品规范 Product specification	设计规范 Design spec	结构长度 Face to Face	连接法兰 Flange end	试验与检验 Test & check
	JB/T8691	GB/T12221	GB/T9113、JB/T79 HG/T20592	GB/T 26480 GB/T 13927

主要性能规范 Main Performance Specifications

公称压力PN(MPa) Nominal pressure	试验压力(MPa) Test pressure		工作温度 Working temperature	适用介质 Applicable medium
	壳体 Shell	密封 Seal		
0.6	2.4	1.8	橡胶≤80℃、四氟密封≤180℃、 硬密封≤425℃	纸浆、污水、煤浆、灰、渣水混合物 Pulp, waste water, coal slurry, ash, slag water mixture
1.0	1.5	1.1	Rubber≤ 80℃, teflon seal ≤180℃, hard seal≤ 425℃	

主要零件材质 Main Part Materials

零件名称 Part name	材料 Material	
阀体 Body	WCB	ZG2Cr25Ni20Si2
闸板 Disc	20、25	
支架 Yoke	WCB	ZG15Cr1Mo1V
阀杆 Stem	2Cr13	38CrMoA1A
阀座 Seat	25堆焊硬质合金 (Carbide surfacing)	
填料压盖 Packing gland	WCB	ZG2Cr25Ni20Si2



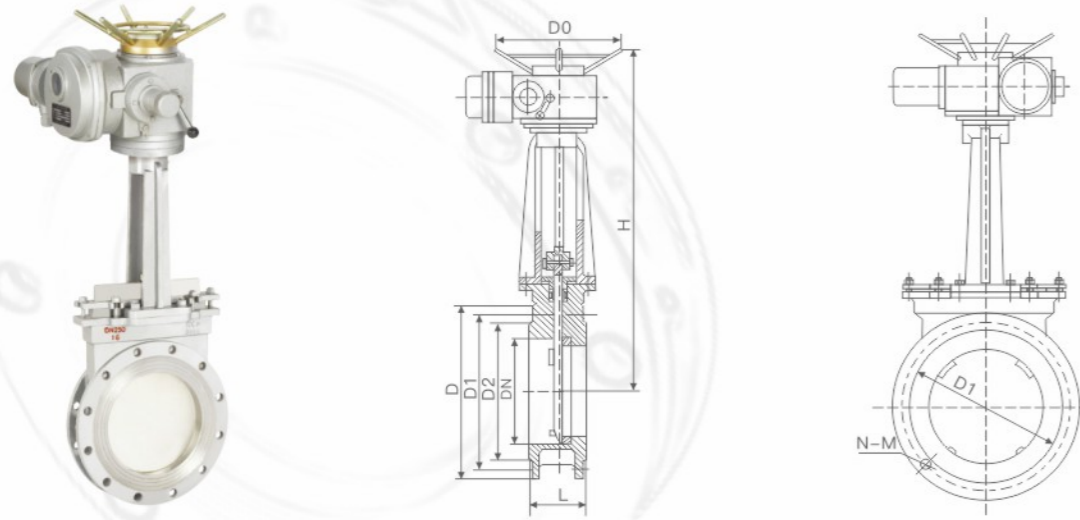
主要外形连接尺寸 Main External Connection Dimensions

PN1.0MPa

DN(mm)	L	D	D1	D2	H	N-M	D0
	PZ73X-1.0 PZ73F-1.0 PZ73H-1.0 PZ73Y-1.0						
50	43	165	125	102	285	4-M16	180
65	46	185	145	122	298	8-M16	180
80	46	200	160	138	315	8-M16	220
100	52	220	180	158	365	8-M16	220
125	56	250	210	188	400	8-M16	230
150	56	285	240	212	470	8-M20	280
200	60	340	295	268	540	8-M20	360
250	68	395	350	320	630	12-M20	360
300	78	445	400	370	780	12-M20	400
350	78	505	460	430	885	16-M20	400
400	102	565	515	482	990	16-M24	400
450	114	615	565	532	1100	20-M24	530
500	127	670	620	585	1200	20-M24	530
600	154	780	725	685	1450	20-M27	600
700	165	895	840	800	1700	24-M27	600
800	190	1015	950	905	2000	24-M30	680
900	203	1115	1050	1005	2300	28-M30	680

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。

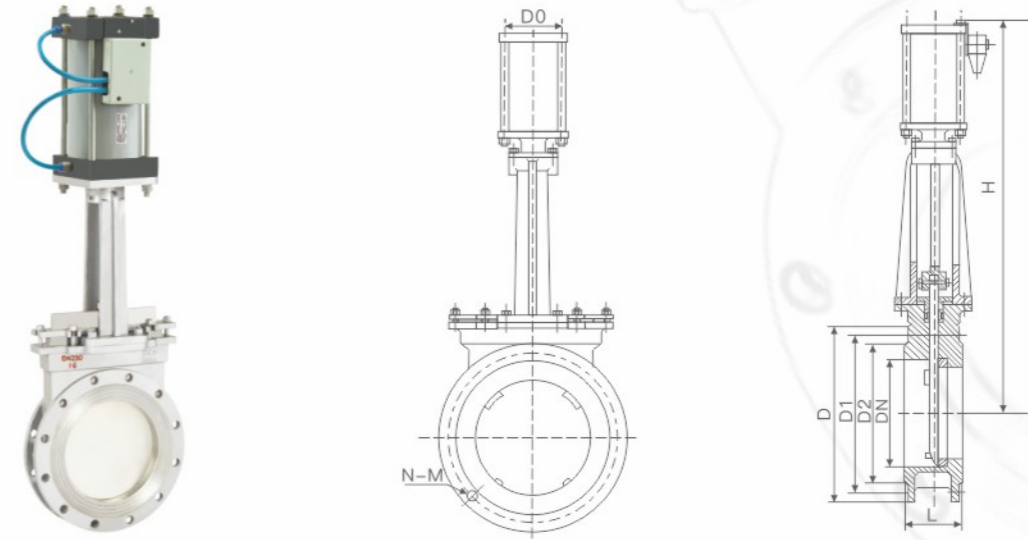
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.



主要外形连接尺寸 Main External Connection Dimensions

PN(MPa)	DN(mm)	L	D	D1	D2	H	N-M	D0
		PZ973X-6/10/16	PZ973F-6/10/16	PZ973H-6/10/16	PZ973Y-6/10/16			
1.0	50	48	165	125	102	370	4-M16	180
	65	50	185	145	122	460	8-M16	180
	80	51	200	160	138	590	8-M16	220
	100	51	220	180	158	780	8-M16	220
	125	57	250	210	188	950	8-M16	230
	150	57	285	240	212	980	8-M20	280
	200	70	340	295	268	1055	8-M20	360
	250	70	395	350	320	1060	12-M20	360
	300	76	445	400	370	1230	12-M20	400
	350	76	505	460	430	1250	16-M20	400
	400	89	565	515	482	1767	16-M24	400
	450	89	615	565	532	1950	20-M24	530
500	114	670	620	585	2010	20-M24	530	
600	114	780	725	685	2110	20-M27	600	

注：本表中法兰尺寸按GB/T 9113-2010标准，结构长度按GB/T 12221-2005标准。
Note: The dimensions of flanges in this table are GB/T 9113-2010 standard, and the Face to Face is GB/T 12221-2005 standard.



主要外形连接尺寸 Main External Connection Dimensions

PN(MPa)	DN(mm)	L	D	D1	D2	H	N-M	D0
		PZ673X-6/10/16	PZ673F-6/10/16	PZ673H-6/10/16	PZ673Y-6/10/16			
1.0	50	48	165	125	102	335	4-M16	180
	65	50	185	145	122	363	8-M16	180
	80	51	200	160	138	395	8-M16	220
	100	51	220	180	158	465	8-M16	220
	125	57	250	210	188	530	8-M16	230
	150	57	285	240	212	630	8-M20	280
	200	70	340	295	268	750	8-M20	360
	250	70	395	350	320	900	12-M20	360
	300	76	445	400	370	1125	12-M20	400
	350	76	505	460	430	1260	16-M20	400
	400	89	565	515	482	1520	16-M24	400
	450	89	615	565	532	1600	20-M24	530
500	114	670	620	585	1820	20-M24	530	
600	114	780	725	685	2300	20-M27	600	

注：本表中法兰尺寸按GB/T 9113-2010标准，结构长度按GB/T 12221-2005标准。
Note: The dimensions of flanges in this table are GB/T 9113-2010 standard, and the Face to Face is GB/T 12221-2005 standard.

GLOBE VALVE SERIES

截止阀系列



产品用途 Production Use

国标法兰式截止阀适用于公称压力PN1.6~16.0MPa, 工作温度-46~550℃的石油、化工、制药、化肥、电力行业等各种工况的管路上, 切断或接通管路介质。

GB Standard flange globe valve is applicable to the nominal pressure PN1.6~16.0MPa, working degree -46~550℃ oil, chemical, pharmaceutical, fertilizer, power industry and other working conditions on the pipeline, cut off or connected to the pipeline medium.

产品特点 Product Features

- 1、产品结构合理、密封可靠、性能优良、造型美观;
- 2、密封面堆焊Co基硬质合金, 耐磨、耐蚀、抗擦伤性能好, 使用寿命长;
- 3、阀杆经调质及表面氮化处理, 有良好的抗腐蚀性及抗擦伤性;
- 4、阀门设有倒密封结构, 密封可靠;
- 5、零件材质及法兰尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。

1. Rational structure, reliable sealing, excellent performance, pretty appearance;
2. Co- radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life;
3. The surface and the adjusting media of the valve shaft are nitrogenized so that it is erosion and abrasion resistant;
4. There is backward sealing structure in the valve, so the sealing is reliable;
5. The material of the fillings and the flange sizes can be chose and matched according to the applications and the requirements of the users. That can satisfies all kinds of working requirements.

执行标准 Executive Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T 12235	GB/T 12221	JB/T 79.1、GB/T9113 HG/T20592	JB/T 9092 GB/T13927	GB/T12224

主要性能规范 Main Performance Specifications

1、试验压力 Test pressure

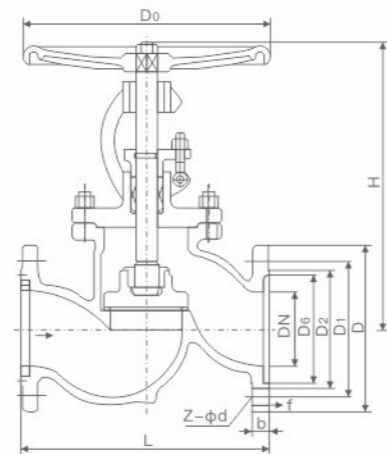
公称压力PN(MPa) Nominal pressure	1.6	2.5	4.0	6.4	10.0	16.0
壳体强度试验 Shell strength test	2.4	3.8	6.0	9.6	15	24
上密封试验 Back seat test	1.8	2.8	4.4	7.0	11	18
密封试验 Seat test	1.8	2.8	4.4	7.0	11	18

2、适用介质及适用温度 Applicable medium & Applicable temperature

产品类型 Product type	适用介质 Applicable medium	适用温度℃ Applicable temperature
J41H-C型(Type) J941H-C型(Type)	水、油品、蒸汽 Water, oil, steam	≤425
J41W-P型(Type) J941W-P型(Type)	硝酸类 Nitric acid	≤200
J41W-R型(Type)	醋酸类 Acetic acid	≤200
J41Y-I型(Type) J941Y-I型(Type)	水、油品、蒸汽 Water, oil, steam	≤550

主要零件材质 Main Part Materials

产品类型 Product type	零件名称 Part name							
	阀体/阀盖 Body, bonnet	阀杆 Stem	阀瓣 Disc	密封面 Sealing face	阀杆螺母 Yoke nut	填料 Packing	紧固件 Fastener	手轮 Hand wheel
J41H-C型(Type) J941H-C型(Type)	25.WCB	铬不锈钢 Cr. Stainless steel	2Cr13 25	H: 不锈钢 Y: 钴基硬质合金 H: Stainless steel Y: Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	优质碳钢 High-grade carbon steel	可锻铸铁 Malleable Iron
J41W-P型(Type) J941W-P型(Type)	铬镍钢 Cr, Ni, steel	铬镍钢 Cr, Ni, steel	铬镍钢 Cr, Ni, Ti steel	铬镍钢 Cr, Ni, steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Malleable Iron
J41W-R型(Type)	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Malleable Iron
J41Y-I型(Type) J941Y-I型(Type)	铬钼钢 Cr, Mo, steel	铬钼钢 Cr, Mo, steel	合金钢 Alloy steel	钴基硬质合金 Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	合金钢 Alloy steel	可锻铸铁 Malleable Iron



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

DN(mm)	L	D	D1	D2	b	f	Z-φd	H	D0	WT (kg)
10	130	90	60	40	16	2	4-φ14	198	120	4.7
15	130	95	65	45	16	2	4-φ14	218	120	5.2
20	150	105	75	58	18	2	4-φ14	258	140	7.1
25	160	115	85	68	18	2	4-φ14	275	160	7.4
32	180	140	100	78	18	2	4-φ18	280	180	8.5
40	200	150	110	88	18	3	4-φ18	330	200	12.5
50	230	165	125	102	18	3	4-φ18	350	240	20
65	290	185	145	122	18	3	8-φ18	355	280	25
80	310	200	160	138	20	3	8-φ18	400	280	35
100	350	220	180	158	20	3	8-φ18	415	320	50
125	400	250	210	188	22	3	8-φ18	460	360	75
150	480	285	240	212	22	3	8-φ22	510	400	100
200	600	340	295	268	24	3	12-φ22	710	400	210
250	730	405	355	320	26	3	12-φ26	789	450	446
300	850	460	410	378	28	4	12-φ26	925	500	648

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

DN(mm)	L	D	D1	D2	b	f	Z-φd	H手 (Hand)	D0	WT (kg)
10	130	90	60	40	16	2	4-φ14	198	120	4.9
15	130	95	65	45	16	2	4-φ14	218	120	5.4
20	150	105	75	58	18	2	4-φ14	258	140	7
25	160	115	85	68	18	2	4-φ14	275	160	7.4
32	180	140	100	78	18	2	4-φ18	280	180	8.5
40	200	150	110	88	18	3	4-φ18	330	200	12.5
50	230	165	125	102	20	3	4-φ18	350	240	16
65	290	185	145	122	22	3	8-φ18	400	280	25
80	310	200	160	138	24	3	8-φ18	355	280	30
100	350	235	190	162	24	3	8-φ22	415	320	34.5
125	400	270	220	188	26	3	8-φ26	460	360	89
150	480	300	250	218	28	3	8-φ26	510	400	98
200	600	360	310	278	30	3	12-φ26	710	400	180
250	730	425	370	335	32	3	12-φ30	789	450	446
300	850	485	430	395	34	4	16-φ30	925	500	654

主要外形连接尺寸 Main External Connection Dimensions

PN4.0MPa

DN(mm)	L	D	D1	D2	b	f	f2	Z-φd	H手 (Hand)	D0	WT (kg)
10	130	90	60	40	16	2	4	4-φ14	198	120	4.9
15	130	95	65	45	16	2	4	4-φ14	238	120	5.4
20	150	105	75	58	18	2	4	4-φ14	275	140	7
25	160	115	85	68	18	2	4	4-φ14	285	160	8.8
32	180	140	100	78	18	2	4	4-φ18	302	180	11.8
40	200	150	110	88	18	3	4	4-φ18	355	200	16.5
50	230	165	125	102	20	3	4	4-φ18	370	240	24
65	290	185	145	122	22	3	4	8-φ18	408	280	33
80	310	200	160	138	24	3	4	8-φ18	436	320	44
100	350	235	190	162	24	3	4.5	8-φ22	480	360	60
125	400	270	220	188	26	3	4.5	8-φ26	558	400	89
150	480	300	250	218	28	3	4.5	8-φ26	611	400	98
200	600	375	320	285	34	3	4.5	12-φ30	720	400	190

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

电动法兰截止阀是由电动执行机构和截止阀两部分组成，启闭件是塞形的阀瓣，密封面呈平面或锥面，阀瓣沿流体的中心线作直线运动。阀杆的运动形式，有升降杆式和升降旋转杆式。该阀只适用于全开和全关，不允许作调节和节流。

Electric flange globe valve is composed of electric actuator and globe valve two parts, the opening and closing parts are plug shaped disc, sealing surface is flat or conical surface, disc along the center line of the fluid for linear motion. Valve stem movement, there are lifting rod type and lifting rotary rod type. The valve is only suitable for full open and full close, not for adjustment and throttling.

产品特点 Product Features

1. 产品结构合理、密封可靠、性能优良、造型美观；
 2. 密封面堆焊Co基硬质合金，耐磨、耐蚀、抗擦伤性能好，使用寿命长；
 3. 阀杆经调质及表面氮化处理，有良好的抗腐性及抗擦伤性；
 4. 阀门设有倒密封结构，密封可靠；
 5. 零件材质及法兰尺寸可根据实际工况或用户要求合理选配，满足各种工程需要。
1. Rational structure, reliable sealing, excellent performance, pretty appearance;
 2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life;
 3. The surface and the adjusting media of the valve shaft are nitrogenized so that it is erosion and abrasion resistant;
 4. There is backward sealing structure in the valve, so the sealing is reliable;
 5. The material of the fillings and the flange sizes can be chose and matched according to the applications and the requirements of the users. That can satisfies all kinds of working requirements.

执行标准 Executive Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T 12235	GB/T 12221	JB/T 79.1、GB/T9113 HG/T20592	JB/T 9092 GB/T13927	GB/T12224

主要性能规范 Main Performance Specifications

1、试验压力 Test pressure

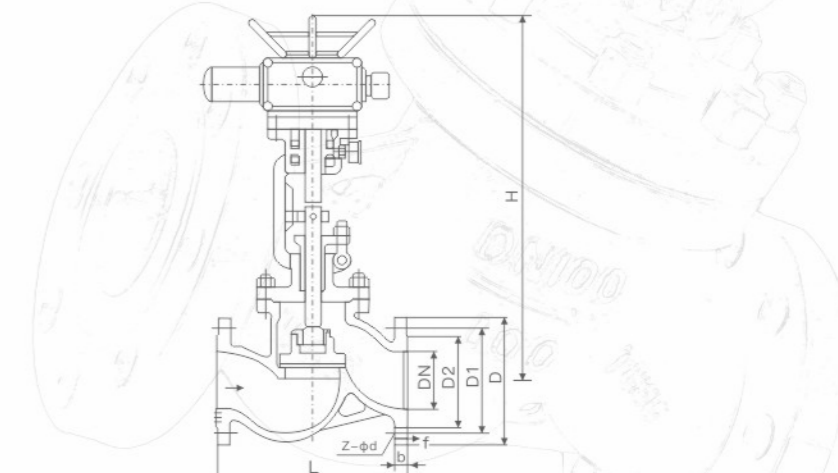
公称压力PN(MPa) Nominal pressure	1.6	2.5	4.0	6.4	10.0	16.0
壳体强度试验 Shell strength test	2.4	3.8	6.0	9.6	15	24
上密封试验 Back seat test	1.8	2.8	4.4	7.0	11	18
密封试验 Seat test	1.8	2.8	4.4	7.0	11	18

2、适用介质及适用温度 Applicable medium & Applicable temperature

产品类型 Product type	适用介质 Applicable medium	适用温度℃ Applicable temperature
J941H/Y-C型(Type)	水、油品、蒸汽 Water, oil, steam	≤425
J941H/Y-P型(Type)	硝酸类 Nitric acid	≤200
J941H/Y-R型(Type)	醋酸类 Acetic acid	≤200
J941H/Y-I型(Type)	水、油品、蒸汽 Water, oil, steam	≤550

主要零件材质 Main Part Materials

产品类型 Product type	零件名称 Part name							
	阀体/阀盖 Body, bonnet	阀杆 Stem	阀瓣 Disc	密封面 Sealing face	阀杆螺母 Yoke nut	填料 Packing	紧固件 Fastener	手轮 Hand wheel
J941H/Y-C型(Type)	25.WCB	铬不锈钢 Cr.Stainless steel	2Cr13 25	H: 不锈钢 Y: 钴基硬质合金 H: Stainless steel Y: Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	优质碳钢 High-grade carbon steel	可锻铸铁 Malleable Iron
J941H/Y-P型(Type)	铬镍钢 Cr, Ni, steel	铬镍钢 Cr, Ni, steel	铬镍钢 Cr, Ni, Ti steel	铬镍钢 Cr, Ni, steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Malleable Iron
J941H/Y-R型(Type)	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Malleable Iron
J941H/Y-I型(Type)	铬钼钢 Cr, Mo, steel	铬钼钢 Cr, Mo, steel	合金钢 Alloy steel	钴基硬质合金 Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	合金钢 Alloy steel	可锻铸铁 Malleable Iron



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

公称通径DN(mm)	L	D	D1	D2	b	f	Z-φd	H	D0
10	130	90	60	40	14	2	4-14	198	120
15	130	95	65	45	14	2	4-14	218	120
20	150	105	75	55	14	2	4-14	258	140
25	160	115	85	65	14	2	4-14	275	160
32	180	135	100	78	15	2	4-18	280	180
40	200	145	110	85	16	2	4-18	330	200
50	230	160	125	100	16	3	4-18	350	240
65	290	180	145	120	18	3	4-18	400	280
80	310	195	160	135	20	3	8-18	355	280
100	350	215	180	155	20	3	8-18	415	320
125	400	245	210	185	22	3	8-18	460	360
150	480	280	240	210	24	3	8-23	510	400
200	600	335	295	205	26	3	12-23	710	400
250	650	405	355	320	30	3	12-23	789	450
300	750	460	410	375	30	3	12-23	925	500

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

公称通径DN(mm)	L	D	D1	D2	b	f	Z-φd	H	D0	电动装置 Electric actuator
15	130	95	65	45	16	2	4-14	-	120	-
20	150	105	75	55	16	2	4-14	-	140	-
25	160	115	85	65	16	2	4-14	-	160	-
32	180	135	100	78	18	2	4-18	-	180	-
40	200	145	110	85	18	3	4-18	-	200	-
50	230	160	125	100	20	3	4-18	645	240	DZW101
65	290	180	145	120	22	3	8-18	690	280	DZW101
80	310	195	160	135	22	3	8-18	715	280	DZW151
100	350	230	190	160	24	3	8-23	770	320	DZW20
125	400	270	220	188	28	3	8-25	780	360	DZW30
150	480	300	250	218	30	3	8-25	875	400	DZW45
200	600	360	310	278	34	3	12-25	967	400	DZW60
250	650	425	370	332	36	3	12-30	-	450	-
300	750	485	430	390	40	4	12-30	-	500	-

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。

Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

气动法兰截止阀是由电动执行机构和截止阀两部分组成，启闭件是塞形的阀瓣，密封面呈平面或锥面，阀瓣沿流体的中心线作直线运动。阀杆的运动形式，有升降杆式和升降旋转杆式。该阀只适用于全开和全关，不允许作调节和节流。

Pneumatic flange globe valve is composed of electric actuator and globe valve two parts, the opening and closing parts are plug shaped disc, sealing surface is flat or conical surface, disc along the center line of the fluid for linear motion. Valve stem movement, there are lifting rod type and lifting rotary rod type. The valve is only suitable for full open and full close, not for adjustment and throttling.

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3. 阀杆经调质及表面氮化处理，有良好的抗腐性及抗擦伤性；
4. 阀门设有倒密封结构，密封可靠；
5. 零件材质及法兰尺寸可根据实际工况或用户要求合理选配，满足各种工程需要。

1. Rational structure, reliable sealing, excellent performance, pretty appearance;
2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life;
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主要性能规范 Main Performance Specifications

1、试验压力 Test pressure

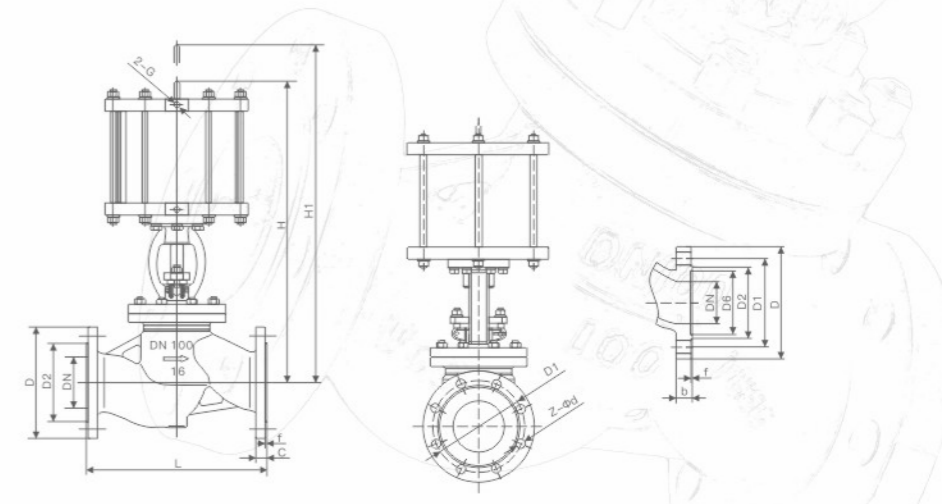
公称压力PN(MPa) Nominal pressure	1.6	2.5	4.0	6.4	10.0	16.0
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上密封试验 Back seat test	1.8	2.8	4.4	7.0	11	18
密封试验 Seat test	1.8	2.8	4.4	7.0	11	18

2、适用介质及适用温度 Applicable medium & Applicable temperature

产品类型 Product type	适用介质 Applicable medium	适用温度℃ Applicable temperature
J641H/Y-C型(Type)	水、油品、蒸汽 Water, oil, steam	≤425
J641H/Y-P型(Type)	硝酸类 Nitric acid	≤200
J641H/Y-R型(Type)	醋酸类 Acetic acid	≤200
J641H/Y-I型(Type)	水、油品、蒸汽 Water, oil, steam	≤550

主要零件材质 Main Part Materials

产品类型 Product type	零件名称 Part name							
	阀体/阀盖 Body, bonnet	阀杆 Stem	阀瓣 Disc	密封面 Sealing face	阀杆螺母 Yoke nut	填料 Packing	紧固件 Fastener	手轮 Hand wheel
J641H/Y-C型(Type)	25.WCB	铬不锈钢 Cr.Stainless steel	2Cr13 25	H: 不锈钢 Y: 钴基硬质合金 H: Stainless steel Y: Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	优质碳钢 High-grade carbon steel	可锻铸铁 Malleable Iron
J641H/Y-P型(Type)	铬镍钢 Cr, Ni, steel	铬镍钢 Cr, Ni, steel	铬镍钢 Cr, Ni, Ti steel	铬镍钢 Cr, Ni, steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Malleable Iron
J641H/Y-R型(Type)	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铬镍钼钢 Cr, Ni, Mo, steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Malleable Iron
J641H/Y-I型(Type)	铬钼钢 Cr, Mo, steel	铬钼钢 Cr, Mo, steel	合金钢 Alloy steel	钴基硬质合金 Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	合金钢 Alloy steel	可锻铸铁 Malleable Iron



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

公称通径DN(mm)	L	D	D ₁	D ₂	b	f	Z-φd	H	D ₀
15	130	95	65	45	14	2	4-14	291	120
20	150	105	75	55	14	2	4-14	300	140
25	160	115	85	65	14	2	4-14	353	160
32	180	135	100	78	15	2	4-18	390	180
40	200	145	110	85	16	2	4-18	518	200
50	230	160	125	100	16	3	4-18	555	240
65	290	180	145	120	18	3	4-18	630	280
80	310	195	160	135	20	3	8-18	683	280
100	350	215	180	155	20	3	8-18	745	320
125	400	245	210	185	22	3	8-18	855	360
150	480	280	240	210	24	3	8-23	870	400
200	600	335	295	205	26	3	12-23	954	400
250	650	405	355	320	30	3	12-23	1065	450
300	750	460	410	375	30	3	12-23	1185	500

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

公称通径DN(mm)	L	D	D ₁	D ₂	b	Z-φd	f	H	D ₀
15	130	95	65	45	16	2	4-14	291	120
20	150	105	75	55	16	2	4-14	300	140
25	160	115	85	65	16	2	4-14	353	160
32	180	135	100	78	18	2	4-18	390	180
40	200	145	110	85	18	3	4-18	518	200
50	230	160	125	100	20	3	4-18	555	240
65	290	180	145	120	22	3	8-18	630	280
80	310	195	160	135	22	3	8-18	683	280
100	350	230	190	160	24	3	8-23	745	320
125	400	270	220	188	28	3	8-25	855	360
150	480	300	250	218	30	3	8-25	870	400
200	600	360	310	278	34	3	12-25	954	400
250	650	425	370	332	36	3	12-30	1065	450
300	750	485	430	390	40	4	12-30	1185	500

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。

Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

德标波纹管截止阀适用于公称压力 PN1.6~16MPa，工作温度-29~350℃的石油、化工、制药、化肥、电力行业等各种工况的管路上，切断或接通管路介质。

The DIN standard bellows globe valve is applicable to cut off or connect the pipeline medium in petroleum, chemical industry, pharmaceutical industry, chemical fertilizer, electric power industry and other working conditions with the nominal pressure of PN1.6~16MPa and the working degree of -29℃~350℃.

产品特点 Product Features

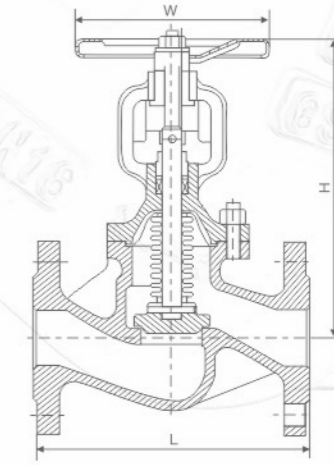
- | | |
|---|---|
| <ol style="list-style-type: none"> 1. 产品结构合理、密封可靠、性能优良、造型美观； 2. 密封面堆焊Co基硬质合金，耐磨、耐腐蚀、抗摩擦性能好、使用寿命长； 3. 阀杆调质及表面氮化处理，有良好的抗腐和抗摩擦性能； 4. 双重密封，性能更可靠； 5. 阀杆升降位置指示、更直观； 6. 零件材质及法兰、对焊端尺寸可根据实际工况或用户要求合理选配，满足各种工程需要。 | <ol style="list-style-type: none"> 1. Reasonable product structure, reliable sealing, excellent performance, beautiful appearance; 2. The sealing surface is welded with Co-based hard alloy, which has good wear resistance, corrosion resistance, friction resistance and long service life; 3. Valve stem quenching and tempering and surface nitriding treatment have good corrosion resistance and friction resistance; 4. Double sealing, more reliable performance; 5. The valve stem lifting position indication is more intuitive; 6. The material of the parts, the flange and the size of the butt welding end can be reasonably selected according to the actual working conditions or user requirements to meet various engineering needs. |
|---|---|

主要性能规范 Main Performance Specifications

公称压力(MPa) Nominal pressure	壳体试验压力(MPa) Shell test	密封试验压力(MPa) Sealing test	适用温度(℃) Suitable temp.	使用介质 Suitable medium
1.6	2.4	1.76	≤350℃	水、蒸汽、油品等 Water oil & gas
2.5	3.75	2.75		
4.0	6.0	4.4		
6.4	9.6	7.04		

主要零件材质 Main Part Materials

序号No.	名称 Part name	材质 Material
1	阀体 Body	GS-C25 1.7363 1.4308, 1.4408, 1.4306, 1.4301
2	阀瓣 Disc	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
3	轴销 Pin	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
4	波纹管组件 Bellow assemble	1Cr18Ni9Ti, 304, 316
5	阀杆 Stem	ASTM A182-Gr.F6a ASTM A182-F22 ASTM A182-F304, F316, F321, F304L, F316L
6	阀盖 Bonnet	GS-C25 1.7363 1.4308, 1.4408, 1.4306, 1.4301
7	填料 Packing	柔性石墨 Flexible graphite, PTFE
8	填料压盖 Packing gland	GS-C25 1.7363 1.4308, 1.4408, 1.4306, 1.4301
9	定位片 Guiding piece	25、45、304、316
10	阀杆螺母 Stem nut	铜合金 Copper alloy ZQA19-4
11	手轮 Handwheel	WCB, QT400-18
12	双头螺栓 Bolt	ASTM A193-B7, A193-B8, A193-B8M
13	六角螺母 Nut	ASTM A194-2H, A194-8, A194-8M
14	垫片 Gasket	柔性石墨+不锈钢 Flexible graphite+stainless steel, PTFE



主要外形连接尺寸 Main External Connection Dimensions

PN1.6~4.0MPa

型号 Model	DWJ41-16														
压力等级 Pressure	PN16														
口径 Size	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980
H	195	200	220	225	235	250	260	265	370	400	515	550	600	630	680
W	120	140	140	160	160	180	200	220	250	300	350	400	450	500	500
重量(Kg)Weight	4	4.5	5	7	9	12.5	18	23	41	54	90	160	260	410	610

型号 Model	DWJ41-25														
压力等级 Pressure	PN25														
口径 Size	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980
H	195	200	220	225	235	250	260	265	370	400	515	550	600	630	680
W	120	120	140	160	160	180	200	220	250	300	350	400	450	500	500
重量(Kg)Weight	4	4.5	5	7.5	9.5	13	19	24	43	57	95	168	300	510	680

型号 Model	DWJ41-40														
压力等级 Pressure	PN40														
口径 Size	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
L	130	150	160	180	200	230	290	310	350	400	480	600	730	850	980
H	195	200	220	225	235	250	260	265	370	400	515	550	600	630	680
W	120	120	140	160	160	180	200	220	250	300	350	400	450	500	500
重量(Kg)Weight	4	4.5	5	8	10	13.5	20	25	45	60	98	171	340	580	780

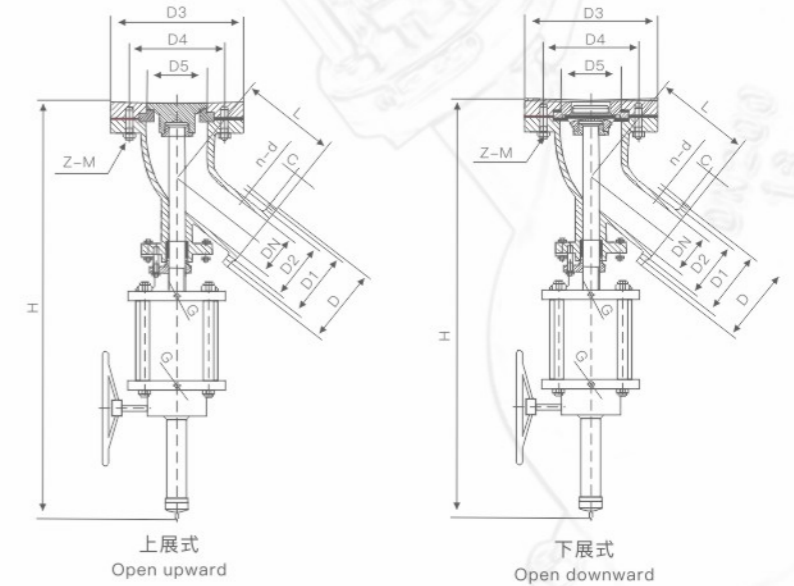
产品概述 Product Overview

气动放料阀主要适用于反应釜、储罐和其他容器的底部作排料排料、放料、取样和无死区关断操作。借助于阀门底部法兰焊接于反应釜或储罐和其他容器的底部，以消除工艺介质通常在容器出口的残留现象。根据实际情况的需要，阀体底部结构设计为平底型，阀体为V型，并提供提升和下降两种工作方式阀瓣。阀体内腔装有耐冲刷、耐腐蚀的密封圈，在开启阀门瞬间，可以保护阀体不被介质冲刷、腐蚀，并对密封圈进行特殊处理，使表面硬度达到HRC56-62，具有高耐磨、耐腐蚀的功能。阀瓣密封根据需要时封面均堆焊有硬质合金，密封副采用线密封，保证密封的可靠性，并可防止结疤。同时采取短行程阀瓣的设计。在化工、石油、冶金、要类、染料、食品加工等行业广泛使用。

The pneumatic discharge valve is mainly suitable for discharging, discharging, sampling and shut-off operation without dead zone at the bottom of the reaction kettle, storage tank and other containers. The bottom flange of the valve is welded to the bottom of the reactor or storage tank and other containers to eliminate the residual phenomenon of the process medium usually at the outlet of the container. According to the needs of the actual situation, the bottom structure of the valve body is designed as a flat-bottom type, and the valve body is V-shaped, and provides two lifting and lowering flaps. The inner cavity of the valve body is equipped with an erosion-resistant and corrosion-resistant sealing ring, which can protect the valve body from being eroded and corroded by the medium at the moment of opening the valve, and the sealing ring is specially treated to make the surface hardness reach HRC56-62, with high wear resistance, Corrosion resistance. The valve flap seal is surfacing welded with hard alloy when needed, and the seal pair adopts line sealing to ensure the reliability of the seal and prevent scarring. At the same time, the design of the short stroke disc is adopted. It is widely used in chemical, petroleum, metallurgy, essentials, dyes, food processing and other industries.

主要零件及技术规范 Main Parts and Technical Specifications

主要零件 Main Parts	阀体、阀盖 Body Bonnet	WCB	ZG1Cr18Ni9Ti	CF8(304)	CF3(304L)	ZG1Cr18Ni12Mo2Ti	CF8M(316)	CF3M(316L)	
	阀杆 Stem	2Cr13	1Cr18Ni9Ti	0Cr18Ni9(304)	00Cr19Ni11(304L)	1Cr18Ni12Mo2Ti	0Cr17Ni12Mo2(316)	00Cr17Ni14Mo2(316L)	
	阀瓣 Disc	WCB	ZG1Cr18Ni9Ti	CF8(304)	CF3(304L)	ZG1Cr18Ni12Mo2Ti	CF8M(316)	CF3M(316L)	
	填料、垫圈 Packing gasket	V型聚四氟乙烯、柔性石墨环、聚四氟乙烯片、柔性石墨缠绕垫 V-PTEE, Flexible grsphite ring, PTFE, flexible graphite wound gasket							
适用工况 Applicable working conditions	适用介质 Applicable medium	水、蒸汽、油品等 Water, steam, oil etc.	硝酸等腐蚀性介质 Nitric acid and other corrosive medium		强氧化性介质 Strong oxidizing medium	醋酸等腐蚀性介质 Acetic acid and other corrosive medium		尿素等腐蚀性介质 Urea and other corrosive medium	
	适应温度 Applicable Temperature	-28~425°C							
应用规范 Application specification	设计制造 Design and manufacture	GB12237-89				API 6D			
	法兰尺寸 Flange size	GB/T9113 (也可按HG20592-97订做) GB/T9113 (according HG20592-97 to custominsed)				ANSI B16.5			
	结构长度 Face to Face	GB12221-89				ANSI B16.10			
	检验试验 Test & inspection	JB/T9092-99、GB/T13927-89				API 598			



主要外形连接尺寸 Main External Connection Dimensions

公称 口径 DN(mm)	外形连接法兰尺寸 Outline and connecting flange size													气源接口 Air source interface
	H	D	D1	D2	C	f	N	φd	D3	D4	D5	L	Z-M	
25	750	115	85	65	16	2	4	14	115	85	47	125	M12x4	1/4"
40	845	110	110	84	18	3	4	18	160	125	80	160	M16x8	
50	845	165	125	99	20	3	4	18	180	145	80	169	M16x4	
65	1000	185	145	118	20	3	4	18	195	160	110	175	M16x4	
80	1050	200	160	132	20	3	8	18	225	190	137	185	M16x8	
100	1120	220	180	156	22	3	8	18	260	225	180	210	M16x8	
125	1370	250	210	184	22	3	8	18	280	240	180	230	M20x8	
150	1450	285	240	211	24	3	8	22	295	295	210	240	M20x8	
200	1580	340	295	266	24	3	12	22	405	335	275	330	M22x12	
250	1720	405	355	319	26	3	12	26	460	410	330	380	M22x12	

CHECK VALVE SERIES

止回阀系列



产品用途 Production Use

国标旋启式止回阀适用于压力PN1.6-42.0MPa, 工作温度-46℃~570℃的石油、化工、制药、化肥、电力行业等各种工况的管路上, 防止介质的倒流。

GB Standard Swing check valves are used in pipes under pressures between PN1.6-42.0MPa, working temperatures between -46℃-570℃, they are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power generation to prevent the backward flux of the media.

产品特点 Product Features

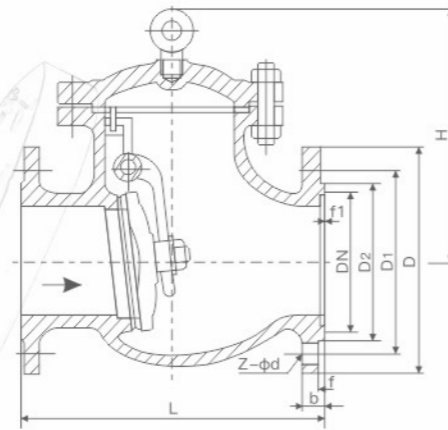
- 1、产品结构合理、密封可靠、性能优良、造型美观;
 - 2、密封面堆焊Co基硬质合金, 耐磨、耐蚀、抗擦伤性能好、使用寿命长;
 - 3、内装式的销轴结构, 减小外泄漏点, 使用可靠;
 - 4、当压力≥16.0MPa时, 阀门中腔采用自紧式密封结构, 介质压力越高, 密封性能越好;
 - 5、零件材质及法兰、对焊端尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。
1. Rational structure, reliable sealing, excellent performance, pretty appearance;
 2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life;
 3. Inside-set bolt-bearing structure reduces leakage and reliable use;
 4. Under pressures≥16.0MPa the valve belly, self-tightening structure offers a tighter sealing for a higher medium pressure;
 5. Different parts materials and different sizes for flange, butt-welding are available for sensible combination according to different working facts and customers' requirements.

主要性能规范 Main Performance Specifications

设计标准 Design standard		GB/T 12236					
压力温度等级 Pressure-temperature rating		GB/T 12224					
结构长度 Face-to-face		GB/T 12221、 GB/T 15188.1					
法兰型式尺寸 Flange ends		GB/T 9113.1、 JB/T 79.1					
对焊端连接 Buttwelding ends		GB/T 12224					
检验与试验 Inspection&test		JB/T 9092 GB/T13927					
试验压力(MPa) Test pressure	公称压力 Nominal pressure	PN1.6	PN2.5	PN4.0	PN6.4	PN10.0	PN16.0
	壳体试验 Shell test	2.4	3.8	6.0	9.6	15.0	24.0
	高压密封 High pressure seal test	1.8	2.8	4.4	7.1	11.0	17.6
	低压密封 Low pressure seal test	0.6					

主要零件材质 Main Part Materials

零件名称 Part name	碳钢 Carbon steel	不锈钢 Stainless steel	合金钢 Alloy steel	低温钢 Low Temperature steel
阀体 Body	WCB	CF8	WC6	LCB
阀座 Seat	25#	0Cr18Ni9(304)	12Cr1MoVA	0Cr18Ni9(304)
阀瓣 Disc	WCB	CF8	WC6	LCB
摇杆 Hinge	WCB	CF8	WC6	LCB
销轴 Pin	1Cr13	0Cr18Ni9(304)	0Cr18Ni9(304)	0Cr18Ni9(304)
连接架 Bearing Bracket	WCB	CF8	WC6	LCB
垫片 Gasket	柔性石墨 Flexible graphite +SS304	柔性石墨 Flexible graphite +SS304	柔性石墨 Flexible graphite +SS304	柔性石墨 Flexible graphite +SS304
阀盖 Bonnet	WCB	CF8	WC6	LCB
双头螺柱 Stud	35CrMoA	0Cr18Ni9(304)/B8	B16/25Cr2MoVA	35CrMoA/B7
螺母 Nut	45#	0Cr18Ni9(304)/8	7/35CrMoA	45/2H



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

DN(mm)	L	D	D1	D2	b	f	Z-φd	H	WT (kg)
50	230	165	125	102	18	3	4-φ18	135	21
65	290	185	145	122	18	3	8-φ18	142	28
80	310	200	160	138	20	3	8-φ18	165	38
100	350	220	180	158	20	3	8-φ18	180	58
125	400	250	210	188	22	3	8-φ18	210	92
150	480	285	240	212	22	3	8-φ22	233	130
200	600	340	295	268	24	3	12-φ22	304	210
250	730	405	355	320	26	3	12-φ26	348	294
300	850	460	410	378	28	4	12-φ26	390	367
350	980	520	470	438	30	4	16-φ26	430	410
400	1100	580	525	490	32	4	16-φ30	468	461
450	1200	640	585	550	40	4	20-φ30	523	570
500	1250	715	650	610	44	4	20-φ33	525	850

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

DN	L	D	D1	D2	b	f	Z-φd	H	WT
50	230	165	125	102	20	3	4-φ18	160	22
65	290	185	145	122	22	3	8-φ18	175	29
80	310	200	160	138	24	3	8-φ18	185	38
100	350	235	190	162	24	3	8-φ22	220	61
125	400	270	220	188	26	3	8-φ26	248	96
150	480	300	250	218	28	3	8-φ26	276	132
200	600	360	310	278	30	3	12-φ26	350	213
250	730	425	370	335	32	3	12-φ30	410	297
300	850	485	430	395	34	4	16-φ30	430	372
350	980	555	490	450	38	4	16-φ33	518	415
400	1100	620	550	505	40	4	16-φ36	560	480
450	1200	670	600	555	46	4	20-φ36	582	610
500	1250	730	660	615	48	4	20-φ36	618	920

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

国标升降式止回阀适用于公称压力PN1.6-16.0MPa，工作温度-46~550℃的石油、化工、制药、化肥、电力行业等各种工况的管路上，防止介质的倒流。

GB Lift Check Valve are used in pipes under nominal pressures between PN1.6-16.0MPa, working temperatures between -46-550°C. They are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power generation to prevent the backward flux of the media.

产品特点 Product Features

- 1、产品结构合理、密封可靠、性能优良、造型美观；
 - 2、阀瓣、阀座密封面堆焊Co基硬质合金，耐磨、耐蚀、抗擦伤性能好、使用寿命长；
 - 3、零件材质及法兰、垫片尺寸可根据实际工况或用户要求合理选配，满足各种工程需要。
1. Rational structure, reliable sealing, excellent performance, pretty appearance;
2. Co hard alloy welded sealing surface of the discs and seats, which is wearing resistant, erosion proof, abrasion proof and long-lived;
3. Different parts materials and different sizes for flange, & gasket-welding are available for sensible combination according to different working facts and customer's requirements.

主要性能规范 Main Performance Specifications

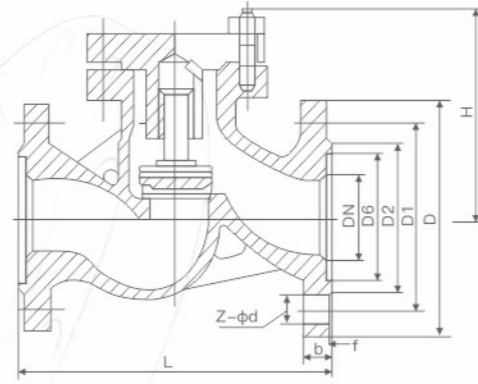
设计标准 Design standard		GB/T 12235				
压力温度等级 Pressure-temperature rating		GB/T 12224				
结构长度 Face-to-face		GB/T 12221				
法兰型式尺寸 Flange ends		GB/T 9113.1、JB/T 79.1				
检验与试验 Inspection & test		JB/T 9092、GB/T 13927				
试验压力(MPa) Test pressure	公称压力 Nominal pressure	PN1.6	PN2.5	PN4.0	PN6.4	PN10.0
	壳体试验 Shell test	2.4	3.8	6.0	9.6	15.0
	高压密封 High pressure seal test	1.8	2.8	4.4	7.1	11.0
	低压密封 Low pressure seal test	0.6				

主要零件材质 Main Part Materials

序号 No.	零件名称 Part name	碳钢 Carbon steel	不锈钢 Stainless steel	合金钢 Alloy steel	低温钢 Low Temperature steel
1	阀体 Body	WCB	CF8	WC6	LCB
2	阀瓣 Disc	WCB/25	CF8/F304	WC6/F11	LCB/LF2
3	垫片 Gasket	柔性石墨 Flexible graphite +SS304	柔性石墨 Flexible graphite +SS304	柔性石墨 Flexible graphite +SS304	柔性石墨 Flexible graphite +SS304
4	阀盖 Bonnet	WCB	CF8	WC6	LCB
5	双头螺柱 Stud	35CrMoA	0Cr18Ni9(304)	25Cr2MoVA	35CrMoA
6	螺母 Nut	45#	0Cr18Ni9(304)	35CrMoA	45#
7	弹簧 Spring	60S12Mn	0Cr18Ni9(304)	0Cr18Ni9(304)	0Cr18Ni9(304)

注：1、不同的工况温度和工况介质选用不同的材料。
2、常用内件材料的组合及使用温度见附录VII。

Notice: 1. Select different materials for different working temperature and media.
2. Commonly-used trim materials and service temperature referred to Appendix VII.



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

DN(mm)	L	D	D1	D2	b-f	Z-φd	H	WT (kg)
15	130	95	65	45	16-2	4-φ14	77	3
20	150	105	75	58	18-2	4-φ14	77	4
25	160	115	85	68	18-2	4-φ14	80	5
32	180	140	100	78	18-2	4-φ18	85	7
40	200	150	110	88	18-3	4-φ18	95	9
50	230	165	125	102	18-3	4-φ18	105	10
65	290	185	145	122	18-3	8-φ18	120	20
80	310	200	160	138	20-3	8-φ18	130	30
100	350	220	180	158	20-3	8-φ18	140	39
125	400	250	210	188	22-3	8-φ18	155	50
150	480	285	240	212	22-3	8-φ22	180	70
200	600	340	295	268	24-3	12-φ22	215	161
250	730	405	355	320	26-3	12-φ26	260	251
300	850	460	410	378	28-4	12-φ26	315	395

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

DN(mm)	L	D	D1	D2	b-f	Z-φd	H	WT (kg)
15	130	95	65	45	16-2	4-φ14	100	3.4
20	150	105	75	58	18-2	4-φ14	105	5
25	160	115	85	68	18-2	4-φ14	120	5.7
32	180	140	100	78	18-2	4-φ18	130	9.1
40	200	150	110	88	18-3	4-φ18	135	11.8
50	230	165	125	102	20-3	4-φ18	149	14.4
65	290	185	145	122	22-3	8-φ18	160	23
80	310	200	160	138	24-3	8-φ18	169	30
100	350	235	190	162	24-3	8-φ22	194	44
125	400	270	220	188	26-3	8-φ26	222	65
150	480	300	250	218	28-3	8-φ26	255	99
200	600	360	310	278	30-3	12-φ26	305	190
250	730	425	370	335	32-3	12-φ30	355	315
300	850	485	430	395	34-4	16-φ30	410	450

注：本表中法兰尺寸按GB/T 9113 标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

对夹连接升降式止回阀适用于压力PN1.0-16.0MPa、工作温度-196~425℃的各种工况的管路上，防止介质的倒流。
Wafer type piston-lift check valve are used in all kinds of pipes under the pressure of PN1.0-16.0MPa and working temperature of -196-425℃, of they are mainly used to prevent the reverse flux of the media.

产品特点 Product Features

- 1、产品结构长度短、体积小、重量轻；
 - 2、密封面堆焊硬质材料，耐磨、耐蚀、密封性能好，使用寿命长；
 - 3、开启压力很小、阀瓣在很小的压差下就能完全打开；
 - 4、阀瓣关闭快速，水锤压力小；
 - 5、水平或垂直管道均可使用，安装方便；
 - 6、零件材质及阀门端面形式、尺寸可根据实际工况或和用户要求合理选配，满足各种工程需要。
1. Short length, small volume and light weight;
 2. Hard material welded sealing surface, which is wearing resistant, erosion proof, abrasion proof and long-lived;
 3. With a small starting pressure, the valve discs can be fully opened under a very small pressure difference;
 4. Fast discs closing and small water hammer pressure;
 5. Convenient installation and applicability on both level and vertical pipes;
 6. Different materials for the parts, sizes and forms of the valves surfaces are available for free combination according to the working facts and the customer's requirements.

执行标准 Executive Standard

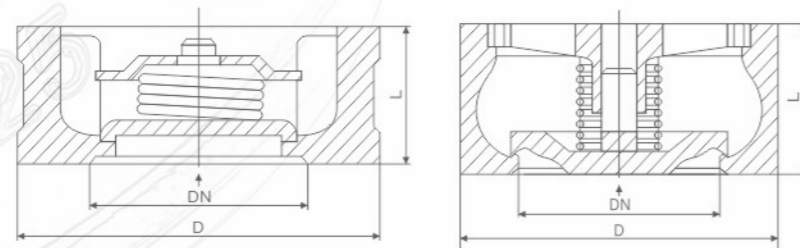
产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	JB/T8937	JB/T8937	JB/T 79.1、GB/T9113 HG/T20592	JB/T 9092 GB/T13927	GB/T 12224

主要零件材质 Main Part Materials

型号 Model	阀体 Body	阀瓣 Disc	弹簧 Spring
H71H-16Q/H71H-25Q	QT400-15	25	50CrVA
H71W-25I/H71W-40I	15CrMo	15CrMo	1Cr18Ni9
H71W-25P/H71W-40P	ZG1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti

主要性能规范 Main Performance Specifications

型号 Model	公称压力(MPa) Nominal pressure	试验压力(MPa) Test pressure		适用温度 Applicable temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
H71H-16Q	1.6	2.4	1.76	≤235℃	水、蒸气、油品等 Water, steam, oil, etc
H71H-25Q	2.5	3.75	2.75	≤235℃	水、蒸气、油品等 Water, steam, oil, etc
H71W-25I	2.5	3.75	2.75	≤235℃	水、蒸气、油品等 Water, steam, oil, etc
H71W-25P	2.5	3.75	2.75	≤235℃	硝酸等腐蚀介质 Nitric acid and other corrosive medium
H71W-40I	4.0	6.0	4.4	≤235℃	水、蒸气、油品等 Water, steam, oil, etc
H71W-40P	4.0	6.0	4.4	≤235℃	硝酸等腐蚀介质 Nitric acid and other corrosive medium

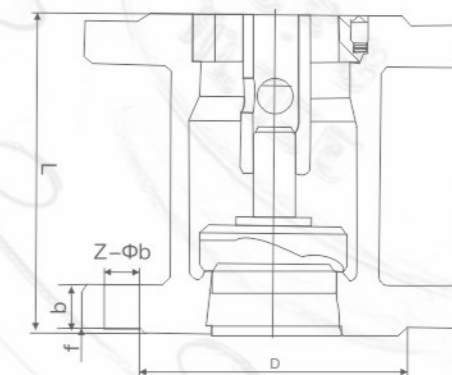


主要外形连接尺寸 Main External Connection Dimensions

H71H-16~40C/(PN1.6~4.0MPa)

DN(mm)	L	D			WT (Kg)
		1.6MPa	2.5MPa	4.0MPa	
15	25	45	45	45	0.3
20	31.5	58	58	58	0.5
25	35.5	68	68	68	0.8
32	40	78	78	78	1.3
40	45	88	88	88	1.6
50	56	102	102	102	2.3
65	63	122	122	122	3.3
80	71	138	138	138	4.4
100	80	158	162	162	5.6
125	110	188	188	188	9.2
150	125	212	218	218	12.5
200	160	268	278	285	16.5
250	200	320	335	345	20
300	250	378	395	410	27

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.



产品用途 Production Use

产品广泛应用于石油、化工、制药、电力行业等各种工况的管路上。
Products are widely used in petroleum, chemical, pharmaceutical, electric power industry under various working conditions such as the pipeline.

产品特点 Product Features

阀瓣沿着中心定位作升降运动，衬套采用耐磨性好，摩擦系数小的特殊材料制作，动作灵活可靠密封性能优良。
The disc along the center position for lifting movement, bushing adopt wear-resisting performance is good, special materials of small friction coefficient, excellent action is flexible and reliable sealing performance.

执行标准 Executive Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check
	GB/T12235	GB/T12221	JB/T79	JB/T9092

主要性能规范 Main Performance Specifications

试验压力 Test pressure	公称压力 Nominal pressure (MPa)				
	16	25	40		
壳体试验 Shell test	2.4	3.8	6.0		
密封试验 Sealing test	1.8	2.8	4.4		
阀体材料 Body material	WCB(C)	CF8(P)	CF8M (R)	WC6	WC9
工作温度 Working temperature	≤425℃	≤100℃	≤100℃	≤550℃	≤550℃
适用介质 Applicable medium	水、蒸汽、油品 Water, steam, oil		硝酸类 Nitrate class	醋酸类 Acetic acid	水、蒸汽 Water, steam

主要外形连接尺寸 Main External Connection Dimensions

PN1.6~4.0MPa

H42H-16P/R/PL/RL												
DN(mm)	15	20	25	32	40	50	65	80	100	125	150	200
L	105	105	105	150	160	170	180	200	210	275	300	380
D	95	105	115	135	145	160	180	195	215	245	280	335
H42H-25P/R/PL/RL												
DN(mm)	20	25	32	40	50	65	80	100	125	150	200	
L	105	105	150	160	170	180	200	210	275	300	380	
D	105	115	135	145	160	180	195	215	275	300	360	
H42H-40P/R/PL/RL												
DN(mm)	50	65	80	100	125	150	200					
L	170	180	200	210	275	300	380					
D	160	180	195	230	270	300	375					

BALL VALVE SERIES

球阀系列



产品用途 Production Use

球阀在石油、天然气、煤炭和矿石的开采、提炼加工和管道输送系统中；在化工产品、医药和食品生产系统中；在水电、火电和核电的电力生产系统中；在城市和工业企业的给排水、供热和供气系统中；在农田的排灌系统中；在冶金生产系统中得以广泛地应用，是一种与生产建设、国防建设和人民生活息息相关的重要机械产品。球阀密封在各类管路系统中用于截断或接通介质流，使介质按照预定的程序输送到各个指定点。

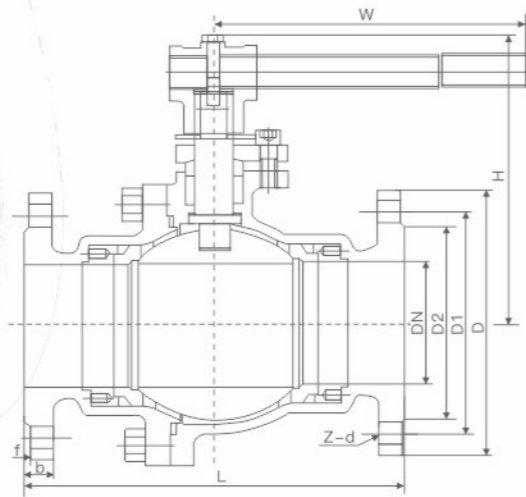
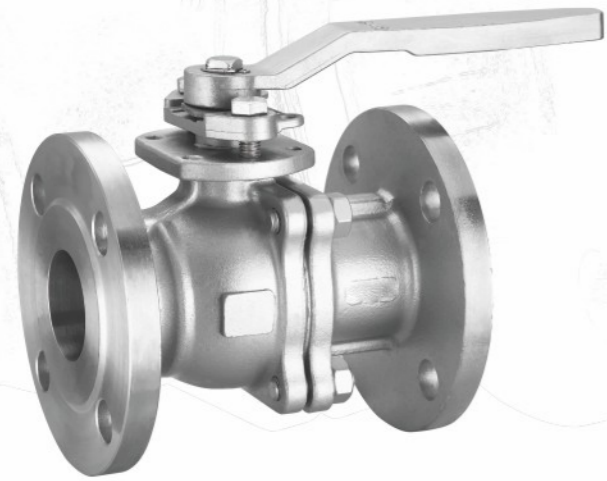
Ball valves are widely used in oil, natural gas, coal and ore mining, refining, processing and pipeline transportation systems; in chemical products, medicine and food production systems; in power production systems of hydropower, thermal power and nuclear power; in water supply and drainage, heating and gas supply systems of cities and industrial enterprises; in drainage and irrigation systems of farmland; and in metallurgical production systems an important mechanical product closely related to production and construction, national defense construction and people's life. The ball valve is used to cut off or connect the medium flow in various pipeline systems, so that the medium can be delivered to each designated point according to the predetermined procedure.

技术参数 Technical Parameters

试验项目 Test item		试验压力 (MPa) Test pressure	试验持续时间 Test duration	试验温度 Test temperature	试验介质 Test medium
壳体试验 Shell test	150Lb、1.6MPa	2.4	120(DN≤14")	≤38℃ (常温Normal temperature)	水 (可含有防锈剂)、煤油 或黏度不大于 水的其他适宜介质 Water (may contain antirust agent), kerosene or other suitable medium with viscosity no greater than water
	300Lb、2.5、4.0MPa	6.0			
	600Lb、10.0MPa	15.0			
	900Lb、15.0MPa	22.5			
	1500Lb、25.0MPa	37.5			
	2500Lb、42.0MPa	63.0			
低压密封试验 Low pressure seal test	150Lb、1.6MPa	0.6	120	≤38℃ (常温Normal temperature)	空气或惰性气体 Air or inert gas
	300Lb、2.5、4.0MPa				
	600Lb、10.0MPa				
	900Lb、15.0MPa				
	1500Lb、25.0MPa				
	2500Lb、42.0MPa				
高压密封试验 High pressure seal test	150Lb、1.6MPa	1.76	120	≤38℃ (常温Normal temperature)	水 (可含有防锈剂)、煤油 或黏度不大于 水的其他适宜介质 Water (may contain antirust agent), kerosene or other suitable medium with viscosity no greater than water
	300Lb、2.5、4.0MPa	4.4			
	600Lb、10.0MPa	11			
	900Lb、15.0MPa	16.5			
	1500Lb、25.0MPa	27.5			
	2500Lb、42.0MPa	46.2			

主要零件材质 Main Part Materials

阀体 Body	阀杆 Stem	球体 Ball	密封面 Sealing surface	垫片(环) Gasket (ring)	填料 Packing	工作温度 Working temperature	适用介质 Applicable medium		
WCB	1Cr13	1Cr13	1Cr13 司太立合金 整体材料 Cr13 Stellite solid material	柔性石墨、 不锈钢+柔性石墨 Flexible graphite, stainless steel + flexible graphite 08软钢 Mild steel F304、F316 氟橡胶、丁腈橡胶 Fluororubber, nitrile rubber	柔性石墨、编织 石墨、O型圈 Flexible graphite, woven graphite, o-ring	-29℃~425℃	水、蒸汽、油品 Water, steam, oil		
WC6	15CrMo	15CrMo				-29~595℃			
WC9	25Cr2MoV	25Cr2MoV				-46~345℃			
LCB	304	304							部分酸、碱 Partial acids and bases
CF8	304	304							
CF3	304L	304L						-196~600℃	
CF8M	316	316							
CF3M	316L	316L							



主要外形连接尺寸 Main External Connection Dimensions

PN1.6 MPa

公称通径 DN(mm)	L		W	H	D	D1	D2	b	f	Z-d
	系列1 (Series)	系列2 (Series)								
15	108	130	130	59	95	65	45	16	2	4-φ14
20	117	130	130	63	105	75	58	18	2	4-φ14
25	127	140	160	75	115	85	68	18	2	4-φ14
32	140	165	160	85	140	100	78	18	2	4-φ18
40	165	165	230	95	150	110	88	18	3	4-φ18
50	178	203	230	107	165	125	102	18	3	4-φ18
65	190	222	400	142	185	145	122	18	3	8-φ18
80	203	241	400	152	200	160	138	20	3	8-φ18
100	229	305	700	178	220	180	158	20	3	8-φ18
125	245	356	1100	252	250	210	188	22	3	8-φ18
150	267	394	1100	272	285	240	212	22	3	8-φ22
200	292	457	1500	342	340	295	268	24	3	12-φ22
250	330	533	-	495	405	355	320	26	3	12-φ26
300	356	610	-	580	460	410	378	28	4	12-φ26

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa

公称通径 DN(mm)	L		W	H	D	D1	D2	D6	b	f	f1	Z-d
	系列 (Series)1	系列 (Series)2										
15	140	130	130	59	95	65	45	-	16	2	-	4-φ14
20	152	150	130	63	105	75	58	-	18	2	-	4-φ14
25	165	160	160	75	115	85	68	-	18	2	-	4-φ14
32	178	180	160	85	140	100	78	-	18	2	-	4-φ18
40	190	200	230	95	150	110	88	-	18	3	-	4-φ18
50	216	230	230	107	165	125	102	-	20	3	-	4-φ18
65	241	290	400	142	185	145	122	-	22	3	-	8-φ18
80	283	310	400	152	200	160	138	-	24	3	-	8-φ18
100	305	350	700	178	235	190	162	-	24	3	-	8-φ22
125	381	400	1100	252	270	220	188	-	26	3	-	8-φ26
150	403	480	1100	272	300	250	218	-	28	3	-	8-φ26
200	419	600	1500	342	360	310	278	-	30	3	-	12-φ26
250	457	730	-	495	425	370	335	-	32	3	-	12-φ30
300	502	850	-	580	485	430	395	-	34	2	-	16-φ30

主要外形连接尺寸 Main External Connection Dimensions

PN4.0 MPa

公称通径 DN(mm)	L		W	H	D	D1	D2	D6	b	f	f1	Z-d
	系列 (Series)1	系列 (Series)2										
15	140	130	130	59	95	65	45	40	16	2	4	4-φ14
20	152	150	130	63	105	75	58	51	18	2	4	4-φ14
25	165	160	160	75	115	85	68	58	18	2	4	4-φ14
32	178	180	160	85	140	100	78	66	18	2	4	4-φ18
40	190	200	230	95	150	110	88	76	18	3	4	4-φ18
50	216	230	230	107	165	125	102	88	20	3	4	4-φ18
65	241	290	400	142	185	145	122	110	22	3	4	8-φ18
80	283	310	400	152	200	160	138	121	24	3	4	8-φ18
100	305	350	700	178	235	190	162	150	24	3	4.5	8-φ22
125	381	400	1100	252	270	220	188	176	26	3	4.5	8-φ26
150	403	480	1500	272	300	250	218	204	28	3	4.5	8-φ26
200	419	600	-	398	375	320	285	260	34	3	4.5	12-φ30
250	457	730	-	495	450	385	345	313	38	3	4.5	12-φ33
300	502	850	-	580	515	450	410	364	42	4	4.5	16-φ33

注：本表中法兰尺寸按GB/T 9113标准，结构长度按GB/T 12221标准。
Note: The dimensions of flanges in this table are GB/T 9113 standard, and the Face to Face is GB/T 12221 standard.

产品用途 Production Use

高平台球阀是一种比较新型的球阀类别，它有着自身结构所独有的一些优越性，如开关无摩擦、密封不易磨损、启闭力矩小。这样可减小所配执行器的规格。配以多回转电动执行机构，可实现对介质的调节和严密切断。广泛适用于石油、化工、城市给排水等要求严格切断的工况。

High platform ball valve is a relatively new type of ball valve type, it has its own unique structure some advantages, such as switch frictionless, seal is not easy to wear and open-close torque is small. such can reduce the distribution of the specifications of the actuator. With multi-turn electric actuators, which can realize to adjust the medium and carefully cut off. Widely used in oil, chemical industry, urban water supply and drainage and other requirements the operation condition of the cut off.

产品特点 Production Features

- 1、启闭无摩擦：这一功能完全解决了传统阀门因密封面之间相互摩擦而影响密封的问题。
- 2、上装式结构：对装在管道上的阀门可直接在线检查与维修，能有效减少装置，降低成本。
- 3、单阀座设计：消除了阀门中腔介质因异常升压而影响使用安全的问题。
- 4、低扭矩设计：特殊结构设计的阀杆，只需配一个小手把阀门就能轻松启闭。
- 5、楔形密封结构：阀门是靠阀杆提供的机械力，将球楔压到阀座上而密封，使阀门的密封性不受管线压差变化的影响，在各种工况下密封性能都有可靠保证。
- 6、密封面的自清洁结构：当球体倾离阀座时，管线中的流体沿球体密封面成360°均匀通过，不仅消除了高速流体对阀座局部的冲刷，也冲走了密封面上的堆积物，达到自清洁的目的。

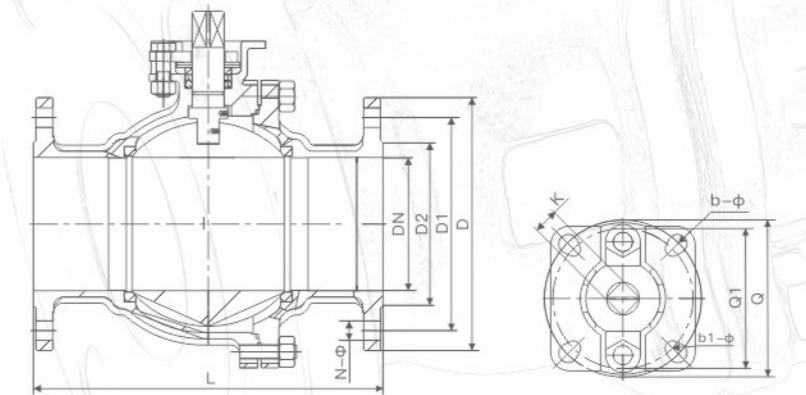
1. The opening and closing without friction. This function completely solve the traditional for valve sealing surface friction and interaction between the sealing problem.
2. The structure of the jacket type. The valve can be directly mounted on the pipeline online inspection and maintenance, can effectively reduce the device, reduce the cost.
3. Single seat design. To eliminate the influence due to abnormal pressure valve lumen medium use safety problems.
4. Low torque design. Special structure design of the stem, only with a small hand could easily open/close the valve.
5. Wedge seal structure. Valve by valve stem provides mechanical force, wedge pressure the ball into the seat and seal, make the valve's sealing is not affected by changes in the pipeline pressure difference, under various conditions sealing performance has a reliable guarantee.
6. The structure of the sealing surface of self-cleaning. When the ball tilting away from the seat, fluid in the pipeline along the sphere uniform sealing surface into 360° through, not only eliminates the high velocity on the seat of local scour, also washed away by the accumulated on the surface of the sealing material, achieve the goal of self-cleaning.

产品执行标准 Production Standard Adopted

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T12237	GB/T12221 JB/T1686	GB/T9113、JB/T79 HG/T20592	JB/T9092 GB/T13927	GB/T12224

主要零件材质 Main Part Materials

序号 No.	零件名称 Part name	材质 Material			序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	CF8M	CF8	WCB	12	弹簧 Spring	301
2	阀盖 Bonnet	CF8M	CF8	WCB	13	螺母 Nut	304
3	球体 Ball	316	304	钛 Titanium	14	防松盖 Locking lid	304
4	阀座 Seat	PTFE、对位聚苯 PTFE、Para polystyrene			15	螺母 Nut	304
5	螺母 Nut	A193-B8 A193-B7			16	手柄 Handle	304
6	阀杆 Stem	316	304	钛 Titanium	17	手柄套 Handle set	塑料 Plastic
7	防静电装置 Antistatic device	304			18	限位片 Limit piece	304
8	止推垫片 Thrust washers	PTFE、柔性石墨 PTFE、Flexible graphite			19	密封垫片 Sealing gasket	PTFE、柔性石墨+不锈钢丝 PTFE、Flexible graphite + stainless steel wire
9	填料 Packing	PTFE、柔性石墨 PTFE、Flexible graphite			20	钢管 Steel pipe	镀锌钢管 Galvanized steel pipe
10	过度垫片 Excessive gasket	增强聚四氟乙烯、柔性石墨 Enhanced ptfе material、flexible graphite			21	扳头 Hammer	CF8
11	填料压环 Packing gland ring	304			22	定位螺钉 Positioning screw	304

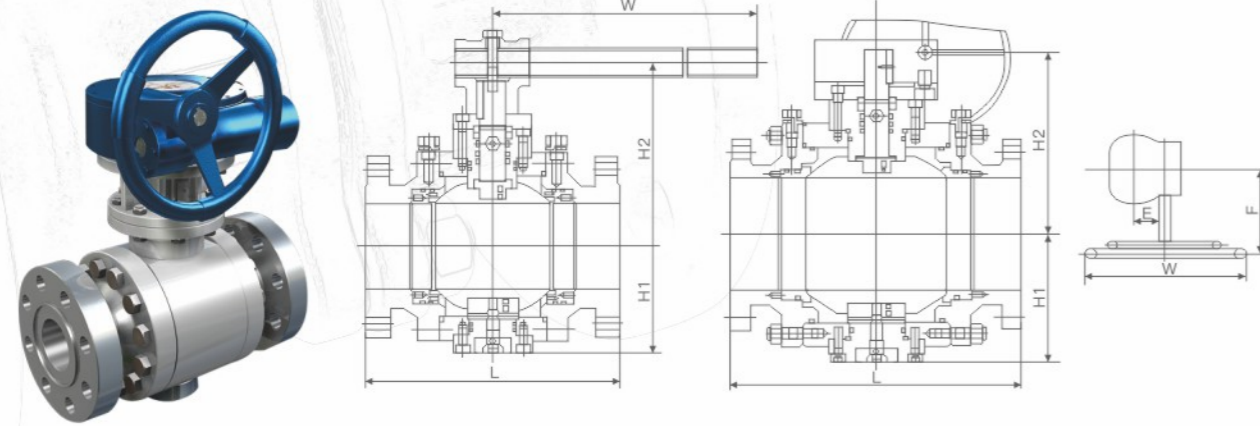


主要外形连接尺寸 Main External Connection Dimensions

PN1.6 MPa

公称通径 (DN) Nominal diameter	L		D	D ₁	D ₂	C	f	N-φ	K	Q	N-φ	Q ₁	b ₁ -φ
	系列1 (Series)	系列2 (Series)											
15	130	130	95	65	45	14	2	4-φ14	9	50	4-φ7	42	4-φ6
20	140	130	105	75	54	14	2	4-φ14	9	50	4-φ7	42	4-φ6
25	150	140	115	85	65	14	2	4-φ14	11	50	4-φ7	/	/
32	165	165	135	100	76	16	3	4-φ18	14	70	4-φ9	/	/
40	180	165	145	110	83	18	3	4-φ18	14	70	4-φ9	/	/
50	200	203	160	125	100	18	3	4-φ18	14	70	4-φ9	/	/
65	220	222	180	145	118	20	3	4-φ18	17	102	4-φ12	70	4-φ9
80	250	241	195	160	132	20	3	8-φ18	17	102	4-φ12	70	4-φ9
100	280	305	215	180	153	20	3	8-φ18	17	102	4-φ12	70	4-φ9
125	320	356	245	210	185	22	3	8-φ18	22	125	4-φ14	102	4-φ12
150	360	394	280	240	210	24	3	8-φ22	27	140	4-φ18	102	4-φ12
200	400	457	335	295	265	26	3	12-φ22	36	165	4-φ22	140	4-φ18

注：如需要其他压力或者其他参数请联系我公司。Note: If need other stress or other parameters please contact our company.



主要外形连接尺寸 Main External Connection Dimensions

PN1.6 MPa

DN(mm)		50	80	100	150	200	250	300	350	400	450	500
L	RF	216	283	305	394	457	533	610	686	762	864	914
	BW	216	283	305	457	521	559	635	762	838	914	991
H1		100	110	130	175	210	274	305	340	395	440	470
H2		165	90	200	270	300	380	420	450	530	560	605
W		400	700	850	600	600	600	800	800	800	800	800
E		-	-	-	116	116	116	171	171	257	257	257
F		-	-	-	350	350	350	420	420	500	500	500
WT(kg)		24	50	75	195	280	440	570	800	1480	2350	2400

主要外形连接尺寸 Main External Connection Dimensions

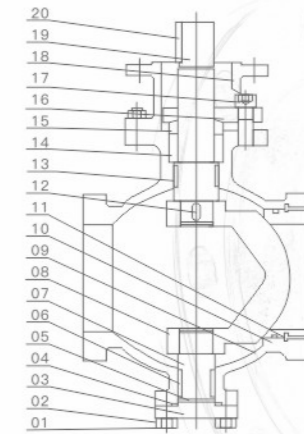
PN2.5 MPa

DN(mm)		50	80	100	150	200	250	300	350	400	450	500
L	RF	216	283	305	403	502	568	648	762	838	914	991
	BW	216	283	305	457	521	559	635	762	838	914	991
H1		100	110	130	175	210	274	305	340	395	440	470
H2		165	190	200	270	300	380	420	450	530	560	605
W		400	700	850	600	600	600	800	800	800	800	800
E		-	-	-	116	116	116	171	171	257	257	257
F		-	-	-	350	350	350	420	420	500	500	500
WT(kg)		30	58	95	210	318	440	575	800	1840	2700	2890

主要外形连接尺寸 Main External Connection Dimensions

PN4.0 MPa

DN(mm)		50	80	100	150	200	250	300	350	400	450	500
L	RF	216	283	305	403	502	568	648	762	838	914	991
	BW	216	283	305	457	521	559	635	762	838	914	991
H1		100	110	130	175	210	274	305	340	395	440	470
H2		165	190	200	270	300	380	420	450	530	560	605
W		400	700	850	600	600	600	800	800	800	800	800
E		-	-	-	116	116	116	171	171	257	257	257
F		-	-	-	350	350	350	420	420	500	500	500
WT(kg)		30	58	95	210	318	440	575	800	1840	2700	2890



产品特点 Production Features

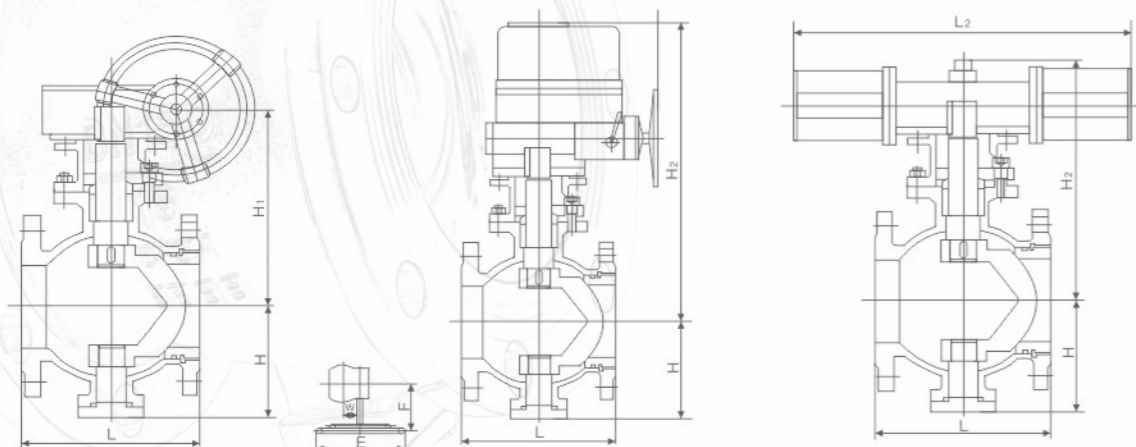
- 1、V型切口的球芯与金属阀座之间具有剪切作用，特别适用于含纤维、微小固体颗粒、料浆等介质；
 - 2、蜗轮传动V形切断球阀还具有调节并可定位能力，流量特性为近似百分比，可调范围广；
 - 3、采用板簧加载的可动阀座结构，阀座与球芯不会产生卡阻或脱离等问题，密封可靠，使用寿命长。
1. V-shaped incision with shearing action between metal seated ball core, especially suitable for fiber, tiny solid particles and slurry medium;
 2. Worm gear drive v-shaped cut off ball valve also has to adjust and reliable positioning capabilities, the approximate percentage, flow characteristic of the adjustable range is extensive;
 3. Structure of plate spring loaded movable seat, seat and ball core won't produce the problem such as jam or from, reliable sealing, long service life.

产品执行标准 Production Standard Adopted

设计依据 Design Standard	连接法兰 Flange end	结构长度 Face to Face	试验与检验 Test & check
GB/T12237、API 608	HG/T20592	GB/T12221	GB/T13927、ISO 5208

主要零件材质 Main Part Materials

序号 No.	零件名称 Parts name	材料标准 Material standard				零件牌号 Material mark				序号 No.	零件名称 Parts name	材料标准 Material standard			
		碳钢 Carbon steel		不锈钢 Stainless steel		碳钢 Carbon steel		不锈钢 Stainless steel				碳钢 Carbon steel		不锈钢 Stainless steel	
		GB	API	GB	API	GB	API	GB	API			GB	API	GB	API
01	双头螺柱 Double end studs	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M	11	阀座 Seat	2Cr13 渗氮Nitriding	A276-410 渗氮Nitriding	1Cr18Ni9Ti 1Cr18Ni 12Mo2Ti 渗氮Nitriding	F304/F316/ F304L/F316L 渗氮Nitriding				
02	螺母 Nut	45	A194-2H	0Cr18Ni	A194-8M	12	球体键 Sphere key	40Cr	40Cr	1Cr17Ni2	1Cr17Ni2				
03	底盖 Bottom cover	25	A105	1Cr18Ni9Ti 1Cr18Ni 12Mo2Ti	F304/F316/ F304L/F316L	13	上阀杆轴承 Upper stem bearing	PTFE;PPL	PTFE;PPL	PTFE;PPL	PTFE;PPL				
04	垫圈 Gasket	氟橡胶;PTFE;金属夹石墨 Fluorine rubber;PTFE;metal clip graphite				14	阀杆填料 Stem packing	石墨 Graphite							
05	止推轴承 Thrust bearing	金属夹PTFE Metal clip				15	填料压环 Packing gland ring	2Cr13	A276-410	1Cr18Ni9Ti 1Cr18Ni 12Mo2Ti	F304/F316/ F304L/ F316L				
06	下阀杆轴承 Lower stem bearing	金属夹PTFE Metal clip				16	填料压盖 Packing gland	WCB	A216-WCB	ZG1Cr18Ni9Ti ZG1Cr18Ni 12Mo2Ti	CF8/CF8M/ CF3/CF3M				
07	下阀杆 Lower stem	2Cr13	A276-410	1Cr18Ni9Ti 1Cr18Ni 12Mo2Ti	F304/F316/ F304L/F316L	17	螺钉 Screw	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M				
08	球体 Ball	ZG1Cr18Ni9Ti 渗氮Nitriding	CF8渗氮 Nitriding	1Cr18Ni9Ti 1Cr18Ni 12Mo2Ti 渗氮Nitriding	F304/F316/ F304L/F316L 渗氮Nitriding	18	支架 Yoke	WCB	WCB	WCB	WCB				
09	阀体 Body	WCB	A216-WCB	ZG1Cr18Ni9Ti ZG1Cr18Ni 12Mo2Ti	CF8/CF8M/ CF3/CF3M	19	上阀杆 On the stem	2Cr13	A276-410	1Cr18Ni9Ti 1Cr18Ni 12Mo2Ti	F304/F316/ F304L/ F316L				
10	阀座O形圈 Seat O-ring	氟橡胶 Fluorine rubber	氟橡胶 Fluorine rubber	氟橡胶 Fluorine rubber	氟橡胶 Fluorine rubber	20	键 Key	40Cr	40Cr	1Cr17Ni2	1Cr17Ni2				



主要外形连接尺寸 Main External Connection Dimensions

PN1.6 MPa

DN(mm)	50	65	80	100	125	150	200	250	300	400	500
L	203	222	241	305	356	394	457	533	610	762	914
H	102	114	127	152	184	219	273	360	395	470	580
手动 Manual	H1	107	125	152	178	300	330	398	495	580	670
	E	-	-	-	-	-	116	116	171	257	257
	F	-	-	-	-	-	350	350	400	400	400
	W	230	40	400	650	1050	1050	600	600	800	800
	WT(kg)	12	16	22	35	58	74	205	322	460	864
电动 Electric	H2	-	-	-	-	554	600	652	760	830	940
	L1	-	-	-	-	235	235	235	259	400	410
气动 Pneumatic	H3	274	379	389	479	552	666	736	926	1059	1538
	L2	270	405	405	576	576	776	776	776	1060	1360

主要外形连接尺寸 Main External Connection Dimensions

PN2.5 MPa

DN(mm)	50	65	80	100	125	150	200	250	300	400	500
L	230	241	310	350	400	403	419	457	502	838	991
H	102	114	127	152	184	219	273	360	395	470	580
手动 Manual	H1	107	125	152	178	300	330	398	495	580	670
	E	-	-	-	-	-	116	116	171	257	257
	F	-	-	-	-	-	350	350	420	400	400
	W	230	40	400	650	1050	1050	600	600	800	800
	WT(kg)	15	24	30	55	87	118	255	370	533	1030
电动 Electric	H2	-	-	-	-	235	235	400	400	410	420
	L1	-	-	-	-	74	350	350	420	400	400
气动 Pneumatic	H3	340	379	452	479	646	666	814	1002	1059	1295
	L2	405	405	574	574	756	756	1060	1060	1060	1360

注：本表中结构长度按GB/T 12221 标准。Note: The Face to Face in this table is in accordance with GB/T 12221 standard.

产品用途 Application

三通球阀的主要功能是分离、混合或分配在管道中流动的介质，适用于天然气、油品、化工、冶金、城建、环保、制药、食品等行业。

The main function of the three-way ball valve is separation, mixing or distribution in the pipe flow of medium, suitable for natural gas, oil, chemical industry, metallurgy, urban construction, environmental protection, pharmaceutical and food industries.

产品特点 Production Features

三通球阀分为T形及L形两种，L形三通球阀适用于介质流向的切换，能使互相垂直的两个管道连通；T形三通球阀适用于介质的分流、合流及流向切换，T形孔道可以使三个通道互相连通或使其中两个通道连通。三通球阀一般采用两座结构，亦可根据用户要求采用四阀座结构，任一通口可用作入口而无泄漏。密封结构有软密封及金属密封两种结构，分别适用于不同的工况条件。

Three-way ball valve is divided into two, T-shaped and L-shaped L three-way ball valve is suitable for the medium flow switch, can make the two vertical pipe connected each other; T the 3-way ball valve is suitable for the medium shunt flow, confluence and cut change, T channel can make the three channels connected to each other or make two of them connected. A three-way ball valve adopt two structure, can also according to user requirements structure of four seats, either his can be used as entrance and no leakage. Seal structure with soft seal and metal seal two kinds of structure, suitable for different working conditions.

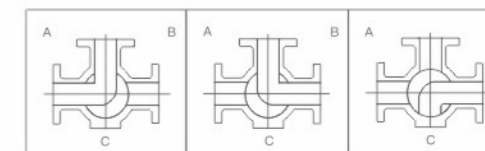
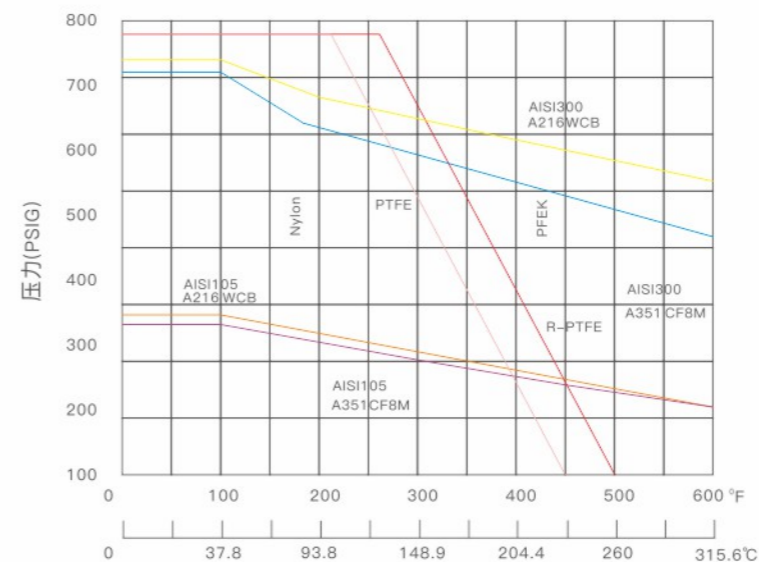
执行标准 Execution Standard

设计与制造 Design and manufacture: GB/T12237、API6D、ASME B16.34

法兰连接 Flange connecting: B/T79.1~79.4、GB/T9113.1~9113.4、ASME B16.5 DIN2543~2550、HG/T20592

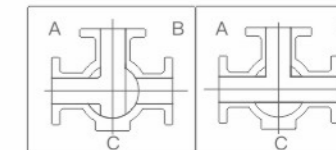
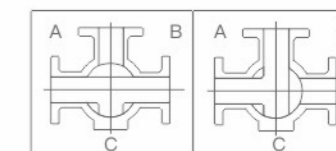
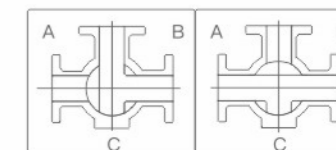
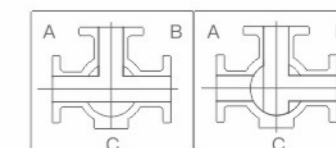
试验与检验 Test & check: GB/T13927、API6D、BS6755、ISO5208

材料压力/温度曲线 Material Pressure, Temperature Curve



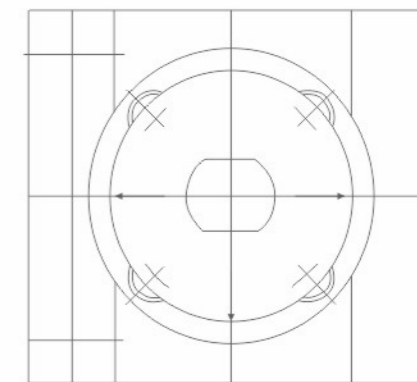
三通L型球阀，能有两个方向处于导通状态，球体1/4周转，切断、导通介质两个方向互换。

Tee L ball valve, can have two directions in conducting state, sphere 1/4 turn over, cut, exchange of conduction medium in both directions.

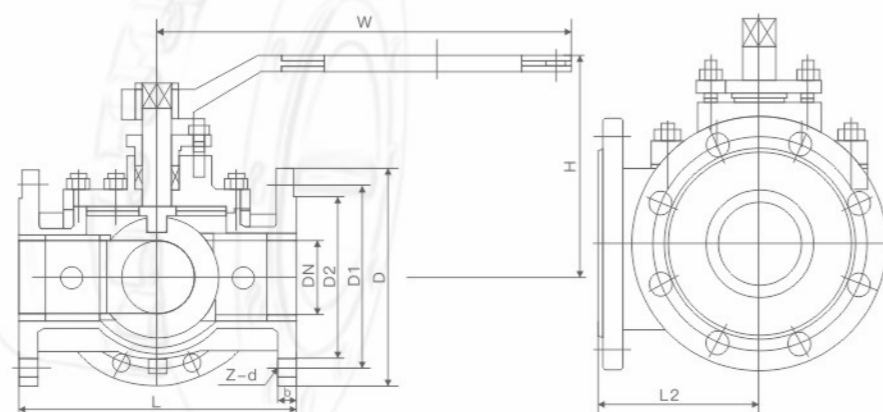


三通T型球阀，可以有三个或两个方向同时处在导通状态，球体1/4周转，切断、导通介质。

Tee T ball valve, can have three or two directions in conducting state at the same time, the sphere a quarter turn over, cut off, conducting medium.



指示器，标示流通，表示开关
Indicator, circulation, said the switch


主要性能规范 Main Performance Specifications

公称压力 Nominal pressure PN(MPa)	试验压力 Test pressure		
	壳体 Shell	高压液密封 High pressure liquid seal	低压液密封 Low pressure liquid seal
1.6	2.4	1.76	0.6
2.5	3.75	2.75	0.6
4.0	6.0	4.4	0.6
CLASS150	3.0	2.2	0.6
适用工况 Applicable working condition	适用介质 Applicable medium	水、油品、气等非腐蚀介质和酸碱腐蚀介质 Non-corrosive media such as water, oil, gas and acid-alkali corrosive media	
	适用温度 Applicable temperature	-28~350°C	

主要零件材质 Main Part Materials

零件名称 Part name	材质 Material	
	GB	ASTM
阀体、阀盖 Body and bonnet	WCB	A216-WCB
密封圈 Seal ring	PTFE、对位聚苯 Para polyphenyl	PTFE、对位聚苯 Para polyphenyl
球体 Ball	1Cr18Ni9Ti	SS304
阀座、阀杆 Seat, stem	2Cr13	A246-416
双头螺栓 Stud bolt	35CrMoA	A193-B7

主要外形连接尺寸 Main External Connection Dimensions

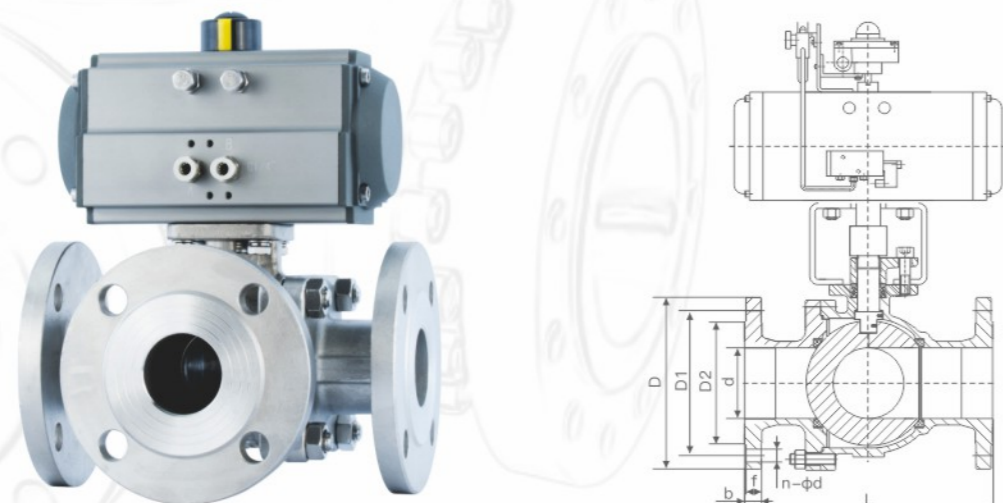
PN1.6MPa

型号 Model	公称通径DN(mm) Nominal diameter	L	L2	D	D1	D2	b	f	Z-d	H	W
Q44F-16C (P)(R)	15	150	72	95	65	45	14	2	4-14	95	130
	20	160	80	105	75	55	14	2	4-14	110	130
	25	180	90	115	85	65	14	2	4-18	120	140
	32	200	100	135	100	78	16	2	4-18	144	180
	40	220	110	145	110	85	16	3	4-18	152	220
	50	240	120	160	125	100	16	3	4-23	182	220
	65	260	130	180	145	120	16	3	4-18	193	240
	80	280	140	195	160	135	20	3	8-18	217	270
	100	320	160	215	180	155	20	3	8-18	245	350
	125	380	190	245	210	185	22	3	8-18	282	500
	150	440	220	280	240	210	24	3	8-23	319	600
	200	550	260	335	295	265	26	3	12-23	380	1000
250	670	310	405	355	320	30	3	12-25	460	1400	
300	720	370	460	410	375	30	3	12-25	520	1800	

主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

型号 Model	公称通径DN(mm) Nominal diameter	L	L2	D	D1	D2	b	f	Z-d	H	W
Q45F-16C (P)(R)	15	150	72	95	65	45	14	2	4-14	95	130
	20	160	80	105	75	55	14	2	4-14	110	130
	25	180	90	115	85	65	14	2	4-18	120	140
	32	200	100	135	100	78	16	2	4-18	144	180
	40	220	110	145	110	85	16	3	4-18	152	220
	50	240	120	160	125	100	16	3	4-23	182	240
	65	260	130	180	145	120	16	3	4-18	193	270
	80	280	140	195	160	135	20	3	8-18	217	350
	100	320	160	215	180	155	20	3	8-18	245	500
	125	380	190	245	210	185	22	3	8-18	282	600
	150	440	220	280	240	210	24	3	8-23	319	1000
	200	550	260	335	295	265	26	3	12-23	380	1300
250	670	310	405	355	320	30	3	12-25	460	1700	
300	720	370	460	410	375	30	3	12-25	520	2100	



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

型号 Model	公称通径 DN(mm) Nominal diameter	法兰式连接尺寸 Flange connection size							
		L	L1	D	D1	D2	b	f	n-φd
Q644F	15	140	70	95	65	45	16	2	4-14
	20	160	80	105	75	58	18	2	4-14
	25	180	90	115	85	68	18	2	4-14
	32	200	100	140	100	78	18	2	4-18
	40	220	110	150	110	88	18	3	4-18
	50	240	120	165	125	102	18	3	4-18
	65	260	130	185	145	122	18	3	8-18
	80	280	140	200	160	138	20	3	8-18
	100	320	160	220	180	158	20	3	8-18
	125	380	190	250	210	188	22	3	8-18
	150	440	220	285	240	212	22	3	8-22
	200	550	260	340	295	268	24	3	12-22
250	670	310	405	355	320	26	3	12-26	

注：本表中法兰尺寸按GB/T 9113-2010标准，结构长度按GB/T 12221-2005标准。
Note: In this table, the flange size is according to GB/T 9113-2010 standard, and the structure length is according to GB/T 12221-2005 standard.

产品概述 Product Overview

PQ侧装式双向密封偏心半球阀是在吸收消化德国CANALI公司生产的对夹式大流量直通阀(Maxifluf-stellventile)的基础上研制成功的，其结构采用偏心契紧原理通过传动机构达到闸紧、调节、关闭的目的，密封副是金属面环带硬面接触的密封，双偏心结构在开启时阀芯位于藏球室内，流量截面大，且阀门不被冲刷，关闭时阀芯不被冲刷，开启时阀芯球面沿阀座渐近，有效地切除结垢障碍，实现可靠密封。第一个特点它对两相混流易结垢固体析出的混流输送特别有效；第二个特点阀门的半球用双金属，母材上堆焊不同的合金，阀座也作相应堆焊经特殊的处理，密封面组合成防腐、耐磨、高强度等各种类型，满足不同场合需求；第三个特点密封严密，输送有害气体可达零泄漏；第四个特点是密封副的阀芯留有补偿量，当阀座磨损(阀座硬度低于阀芯)后，关闭时再转动少许，仍能可靠密封，延长使用寿命。此外，用户将压紧螺母拧掉，调整或更换后阀座仍可使用，避免了现行众多阀门密封失效整台报废的弊端。因此堆焊不同合金(或组合球)双金属密封副的选配可以用于耐磨、耐腐蚀、耐高温等且又要求严格密封的不同工业领域。

PQ Side-mounted bidirectional sealing eccentric hemisphere valve is developed on the basis of absorbing and digesting (Maxifluf-stellventile) produced by CANALI Company of Germany. Its structure adopts eccentric tightening principle to achieve the purpose of gate tightening, regulation and closure through transmission mechanism. The sealing pair is a seal with hard contact of metal face ring, and the valve core of double eccentric structure is located in storage when opening. In the ballroom, the flow section is large, and the valve is not washed, the spool is not washed when closed, and the spherical surface of the spool is asymptotic along the valve seat when opened, which effectively removes the scaling obstacle and realizes reliable sealing. The first feature is that it is especially effective for mixed flow transportation of two-phase mixed flow and easy scaling solids precipitation; The second feature is that the hemisphere of the valve is bimetal, the base metal is surfaced with different alloys, and the valve seat is also surfaced with special treatment. The sealing surface is combined into various types such as anticorrosive, wear-resistant and high strength to meet the needs of different occasions; The third feature is tightly sealed, which can convey harmful gases. Zero leakage; The fourth feature is that the spool of the sealing pair retains compensation. When the seat wears out (hardness of the seat is lower than the spool), it rotates a little when it closes, which can still seal reliably and prolong its service life. In addition, the user will screw off the tightening nut, adjust or replace the seat can still be used, to avoid the existing valve seal failure of the whole scrap malpractice. Therefore, the selection of different alloy (or combination ball) bimetallic seals for surfacing can be used in different industrial fields such as wear resistance, corrosion resistance, high temperature resistance and strict sealing.

产品用途 Production Use

适用于污水处理、纸浆、氧化铝、城市采暖供热、油化工、燃气、料浆、煤粉灰渣。
Suitable for sewage treatment, pulp, alumina, urban heating and heating, oil and chemical industry, gas, slurry, coal ash slag.

产品特点 Production Features

- 1、流通面积大，流阻小。这是因为开启后阀芯位于藏球室，流体直通。
 - 2、操作扭矩小，转90度即可启闭完成，操作轻便。
 - 3、密封严密；双偏心金属硬密封。结果不影响启闭，这是半球阀最显著的优点。
 - 4、适用寿命长，密封副耐磨，具有补偿量，阀座可调整或更换。
1. Large circulation area and small flow resistance. This is because after opening the spool is located in the ball chamber, the fluid through.
 2. Small operating torque, turn 90 degrees can be opened and closed, easy to operate.
 3. Tight sealing; Double eccentric metal hard seal. The result does not affect the opening and closing, which is the most significant advantage of the half ball valve.
 4. Long service life, wear-resistant sealing pair, with compensation, seat can be adjusted or replaced.

产品执行标准 Product Execution Standard

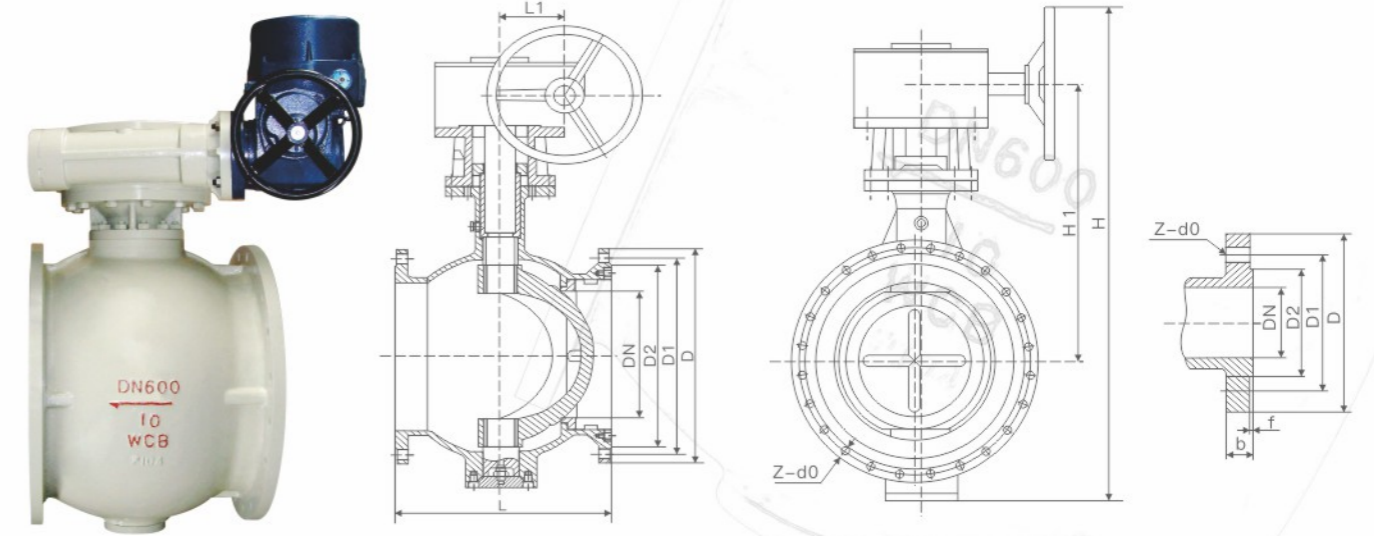
设计标准 Design Standard	结构长度 Face-to-Face	法兰标准 Flange Standard	试验和检验 Test and Inspection
GB/T12237-2007	GB/T12221-2005	GB/T9113-2000	GB/T13927-2008

主要技术参数 Main Technical Parameters

公称压力PN(MPa) Nominal pressure	0.6	1.0	1.6	2.5	4.0	6.4
常温最大工作压力(MPa) Room temperature max. working pressure	0.6	1.0	1.6	2.5	4.0	6.4
壳体强度试验压力(MPa) Shell strength test pressure	0.9	1.5	2.4	3.8	6.0	9.6
气密封试验压力(MPa) Gas seal test pressure	0.6	0.6	0.6	0.6	0.6	0.6
高压密封试验压力(MPa) High pressure seal test	0.66	1.1	1.8	2.75	4.4	7.1
泄漏率 Leakage rate	< 0.1×DNmm ³ /s (符合API 598标准 Comply with the standard of API598)					
适用温度(°C) Applicable temperature	软密封 Soft seal: -40°C~+200°C; 硬密封 Hard seal: -50°C~+600°C					
适用介质 Applicable medium	天然气、水蒸汽、油品类、酸类、碱类、煤粉、煤灰、废渣、泥浆、 含颗粒状、含纤维等各类介质 Natural gas, steam, oil, acid, alkali, pulverized coal, fly ash, slag, mud, containing granular, fiber and other kinds of medium					
传动形式 Operation type	蜗轮传动、电动传动、气动传动、液动传动 Gear, Electric actuator, Pneumatic actuator, Hydraulic actuator					

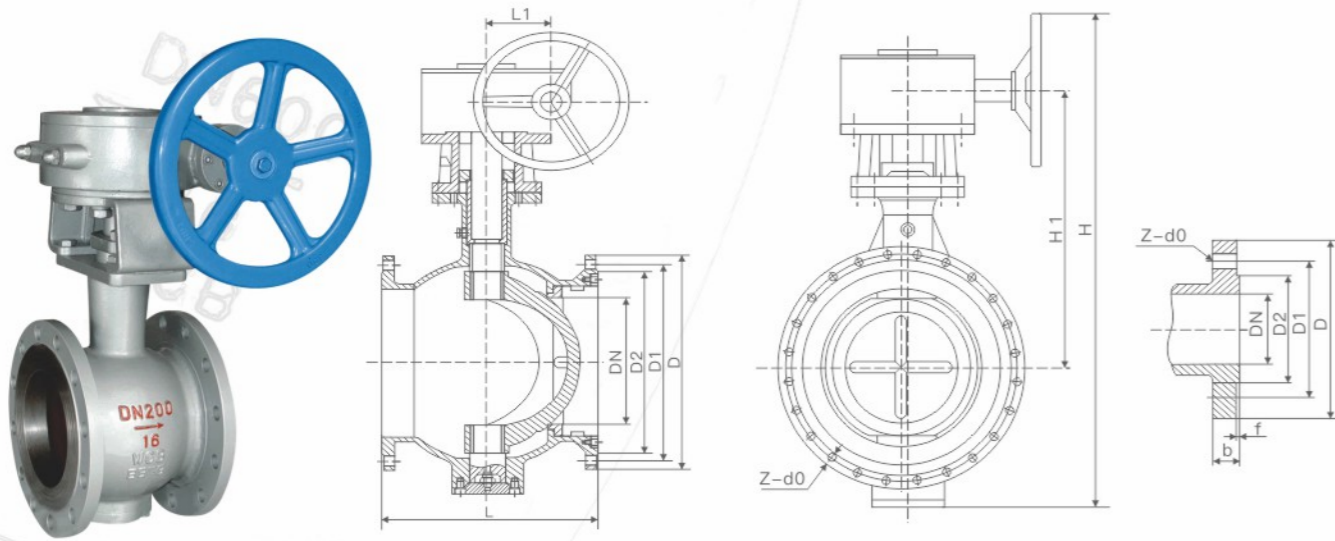
主要零件材质 Main Part Materials

阀体、压板 Body, pressing plate	WCB	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG15Cr1Mo1V
球体 Ball	WCB+铬(Cr)	1Cr18Ni9Ti 表面特殊处理 Special surface treatment	0Cr18Ni12Mo2Ti 表面特殊处理 Special surface treatment	25Cr2Mo1V 表面特殊处理 Special surface treatment
阀杆 Stem	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	25Cr12Mo1V
阀座 Seat	Q235A+PTFE 堆焊(Overlay)	1Cr18Ni9Ti/PTFE	0Cr18Ni12Mo2Ti/PTFE	25Cr2Mo1/PTFE
填料 Packing	柔性石墨 Flexible graphite	柔性石墨 Flexible graphite	柔性石墨 Flexible graphite	柔性石墨 Flexible graphite
螺栓 Bolt	35	0Cr18Ni9	0Cr18Ni9	15Cr1Mo1V
螺母 Nut	45	0Cr18Ni9	0Cr18Ni9	20CrMo



主要外形连接尺寸 Main External Connection Dimensions

DN	L	D	D1	D2	Z-d0	f	b	H
40	165	130	100	78	4-14	2	16	210
50	178	140	110	88	4-14	2	16	230
65	190	160	130	108	4-14	2	16	245
80	203	190	150	124	4-14	2	18	265
100	229	210	170	144	4-14	2	18	310
125	254	240	200	174	8-18	2	18	350
150	267	265	225	199	8-18	2	20	395
200	292	320	280	254	8-18	2	22	435
250	330	375	335	309	12-18	2	24	480
300	356	440	395	363	12-22	2	24	550
350	381	490	445	413	12-22	2	24	620
400	430	540	495	463	16-22	2	24	670
450	502	595	550	518	16-22	2	24	700
500	550	645	600	568	20-22	2	26	760
600	660	755	705	667	20-26	2	30	850
700	770	860	810	772	24-26	5	26	920
800	880	975	920	878	24-30	5	26	1100
900	1000	1075	1020	978	24-30	5	26	1300
1000	1100	1175	1120	1078	28-30	5	26	1600
1200	1200	1405	1340	1295	32-33	5	28	1950



主要外形连接尺寸 Main External Connection Dimensions

PN1.0MPa

DN	L	D	D1	D2	Z -d0	f	b	H
40	165	150	110	84	4-18	2	18	210
50	178	165	125	99	4-18	2	20	230
65	190	185	145	118	4-18	2	20	245
80	203	200	160	132	8-18	2	20	265
100	229	220	180	156	8-18	2	22	310
125	254	250	210	184	8-18	2	22	350
150	267	285	240	211	8-22	2	24	395
200	292	340	295	266	8-22	2	24	435
250	330	395	350	319	12-22	2	26	480
300	356	445	400	370	12-22	2	26	550
350	381	505	460	429	16-22	2	26	620
400	430	565	515	480	16-26	2	26	670
450	502	615	565	530	20-26	2	28	700
500	550	670	620	582	20-26	2	28	760
600	660	780	725	682	20-30	2	34	850
700	770	895	840	794	24-30	5	34	920
800	880	1015	950	901	24-33	5	36	1100
900	1000	1115	1050	1001	28-33	5	38	1300
1000	1100	1230	1160	1112	28-36	5	38	1600
1200	1200	1455	1380	1328	32-39	5	44	1950

产品概述 Product Overview

双向密封硬碰硬旋球阀是结合球阀的优越密封性能与蝶阀的优势结构研发而成，其拥有固定球阀优越的双向承压、可在含细微颗粒的液体管道使用等，具备使用温度高、寿命长等实用优势。其实质为蝶阀和偏心半球阀结构功能的结合，安装优越于半球阀和固定球阀。密封原理结合了固定球阀的前端密封与偏心蝶阀的强制密封，从而实现了管道内高低双向切断。在水泵停止运转，管道出水压力高于进水压力的情况下，使用旋球阀能够有效的阻止回水倒流，这也是蝶阀和半球阀不具备的功能。

旋球阀在正副两个密封面上可根据不同的硬度需要运用超音速等离子喷涂、真空保护渗复堆等先进工艺形成马氏体不锈钢、奥氏体不锈钢、硬质合金等梯度功能材料。该阀以其优越的性价比，必将引起管网阀门的变革，它使得普通管网特别是水系统管网也能以中低档价格享受火电、燃气等高端系统同等的高性能、高品质产品成为现实。

The two-way sealed hard-impact hard ball valve is developed by combining the superior sealing performance of the ball valve and the superior structure of the butterfly valve. Practical advantages. Its essence is the combination of structure and function of butterfly valve and eccentric hemispherical valve, the installation is superior to hemispherical valve and fixed ball valve. The sealing principle combines the front-end sealing of the fixed ball valve and the forced sealing of the eccentric butterfly valve, thereby realizing the bidirectional cut-off in the pipeline. When the water pump stops running and the outlet pressure of the pipeline is higher than the inlet pressure, the use of a ball valve can effectively prevent the backflow of water, which is also a function that butterfly valves and hemisphere valves do not have.

According to different hardness requirements, the rotary ball valve can use advanced techniques such as supersonic plasma spraying and vacuum protection infiltration pile to form martensitic stainless steel, austenitic stainless steel, cemented carbide and other gradient functional materials according to different hardness requirements. With its superior cost performance, this valve will inevitably lead to changes in the valve of the pipeline network. It enables ordinary pipeline networks, especially water system pipeline networks, to enjoy the same high-performance and high-quality products as high-end systems such as thermal power, gas, etc. reality.

执行标准 Execution Standard

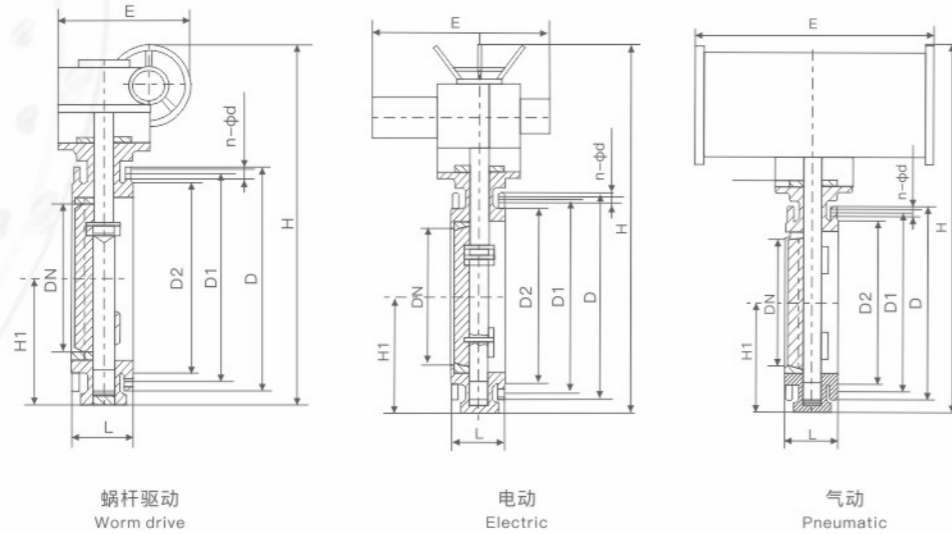
设计标准 Design Standard	结构长度 Face-to-Face	法兰标准 Flange Standard	试验和检验 Test and Inspection
GB/T12237-2007	GB/T12221-2005	GB/T9113-2000	GB/T13927-2008

主要技术参数 Main Technical Parameters

公称通径 Nominal diameter (mm)	公称压力 Nominal pressure (MPa)	试验压力 Test pressure (MPa)			适用温度(°C) Applicable temperature	适用介质 Applicable medium
		壳体强度试验 Shell strength test	正向密封试验 Forward seal test	反向密封试验 Reverse seal test		
DN50-2000mm	0.6	0.9	0.66	0.66	0-200°C	清水、污水、 油品等 Clean water , sewage, oil, etc
	1.0	1.5	1.1	1.1		
	1.6	2.4	1.76	1.76		
	2.5	3.75	2.75	2.75		
	4.0	6.0	4.4	4.4		
	6.3	9.45	6.93	6.93		

主要零件材质 Main Part Materials

零部件名称 Part name	名称 Name	材料 Material
阀体 Body	铸钢 Cast steel	WCB
	奥氏体不锈钢 Austenitic stainless steel	304、316
阀板 Plate	铸钢 Cast steel	WCB
	奥氏体不锈钢 Austenitic stainless steel	304、316
阀杆 Stem	马氏体不锈钢 Martensitic stainless steel	1013、2Cr13
阀座 Seat	奥氏体不锈钢 Austenitic stainless steel	304、316
	镍铬球铁渗氮 Nichrome ductile iron nitriding	QT400Ni2Cr
轴承 Bearing	铝青铜、锡青铜 Aluminum bronze, Tin bronze	ZCuAl10Fe3, ZCuSn5-5-5
密封件 Seals	橡胶 Rubber	NBR、EPDM



主要外形连接尺寸 Main External Connection Dimensions

PN1.0/1.6MPa

DN	L	D	D1	D2	H1	N-φd	E			H		
							手动 Manual	气动 Pneumatic	电动 Electric	手动 Manual	气动 Pneumatic	电动 Electric
50	108	165	125	99	112	4-18	200	245	255	350	625	530
65	112	185	145	118	115	4-18	200	245	255	370	625	530
80	114	200	160	132	120	8-18	200	245	255	380	645	565
100	127	220	180	156	138	8-18	200	355	255	420	675	600
125	140	250	210	184	164	8-18	200	355	255	460	715	640
150	140	285	240	211	175	8-22	280	355	315	555	800	705
200	152	340	295	266	200	8-22	425	250	315	760	850	775
250	165	395	350	319	230	12-22	425	250	315	830	925	945
300	178	445	400	370	260	12-22	560	450	315	895	1035	1070
350	190	505	460	429	300	16-22	560	450	315	950	1070	1140
400	216	565	515	480	340	16-26	580	450	315	1190	1190	1210
450	222	615	565	530	350	20-26	580	650	714	1255	1250	1335
500	229	670	620	582	380	20-26	580	650	714	1305	1290	1415
600	267	780	725	682	450	20-30	660	850	810	1340	1455	1605
700	292	895	840	794	480	24-30	550	850	810	1520	1585	1844
800	318	1015	950	901	530	24-33	550	1250	810	1710	1700	2040
900	330	1115	1050	1001	580	28-33	550	1250	863	1810	1965	2255
1000	410	1230	1160	1112	650	28-36	750	1250	863	1960	2015	2380
1200	470	1455	1380	1328	760	32-39	925	1250	863	2250	2250	2640
1400	530	1675	1590	1530	850	36-42	925	1250	1055	2434	2250	2866
1600	600	1915	1820	1750	1030	40-48	925	1250	1055	2780	2750	3156
1800	670	2115	2020	1950	1230	44-48	980	1250	1183	3020	2950	3421
2000	760	2325	2230	2150	1350	48-48	980	1500	1286	3270	3350	3685

产品特点 Product Features

1. 阀体采用全焊接结构，不会有外部泄漏等现象，阀门结构更紧凑，便于安装施工。
2. 低操作扭矩：阀门采用具有自润滑的背衬PTFE的金属轴套，摩擦力矩小，确保阀门在低扭矩的情况下进行操作。
3. 双截断和排泄功能(DBB)：阀门处在关闭位置而且球体的两侧同时受压，阀体中腔的介质(气体或液体)可以从排泄阀处泄放。
4. 双活塞效应阀座结构设计：阀座的两侧在压力的作用下均可密封(双活塞效应)。双面密封的阀座设计特点在于：一旦上游阀座损坏而泄漏，介质压力进入阀腔作用于下游侧，将阀座推向球体紧密接触，使下游阀座照样能密封。
5. 可靠的阀座密封：采用浮动阀座结构，阀座可以沿阀门的中轴线自由浮动。阀门为双向密封，在低压条件下，通过阀座后的弹簧加载获得初始密封。随着管线压力的增加，补充了阀座圈后的弹簧力，使阀座与球体保持紧密接触，达到可靠的密封效果。阀座密封采用组合密封结构，初级密封能有效地防止固体颗粒对密封面的损坏，次级密封是橡胶圈密封，能保证阀门达到“零”泄漏的密封要求。根据运行工况，阀座亦可采用嵌入聚合体工程塑料密封件。
6. 紧急阀座密封系统：阀门的阀座设计有紧急密封系统。当软密封面受损出现微量泄漏时，通过辅助密封注射系统，当现场管线带压向下向阀门密封面注射密封剂，起到暂时的辅助密封。当输送的介质中含有少量固体颗粒时，为保护密封面或降低操作扭矩，可通过该注射系统注射清洗剂或润滑剂，对密封面进行必要的清洗或润滑处理。同时在注射阀底部设计有一单向阀，确保介质不会从该位置泄漏。
7. 轻便快捷的操作方式：手动采用新型蜗轮组合操作方式，比普通管网式蜗轮箱操作更快捷轻便，方便现场操作。

适用范围 Scope of Application

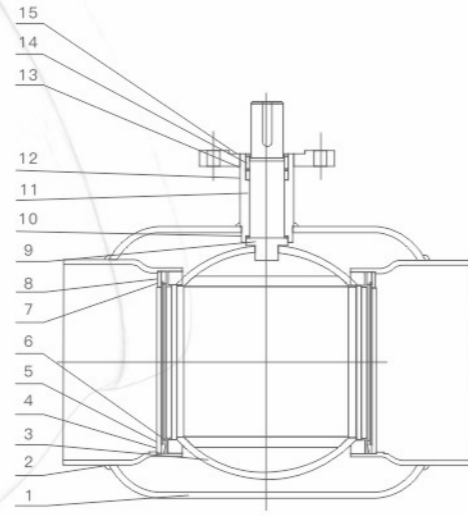
城市煤气：煤气输出管道、主干线及各支线供应管道等。
集中供热：大型供热设备输出管线、主干线、支线。
热交换机：管道及各回路启闭。
钢铁厂：各种流体管道、废气排放道、煤气和热力供应管道、燃料供应管道等。
各种工业设备：各种热处理管道、各种工业煤气和热力管道。

1. The valve body adopts all-welded structure, there will be no external leakage and other phenomena, the valve structure is more compact, which is convenient for installation and construction.
2. Low operating torque: The valve uses a self-lubricating metal bushing backed with PTFE, and the friction torque is small, which ensures that the valve operates under low torque.
3. Double shut-off and drain function (DBB): the valve is in the closed position and both sides of the ball are under pressure at the same time, the medium (gas or liquid) in the cavity of the valve body can be discharged from the drain valve.
4. Structural design of double-piston effect valve seat: both sides of the valve seat can be sealed under the pressure (Dual piston effect). The design feature of the double-sealed valve seat is that once the upstream valve seat is damaged and leaks, the medium pressure enters the valve cavity and acts on the downstream side, pushing the valve seat to the ball to make close contact, so that the downstream valve seat can still be sealed.
5. Reliable sealing of the valve seat: the floating valve seat structure is adopted, and the valve seat can float freely along the central axis of the valve. The valve is a two-way seal. Under low pressure, the initial seal is obtained by spring loading behind the valve seat. As the pipeline pressure increases, the spring force behind the valve seat ring is supplemented, so that the valve seat and the ball are kept in close contact, and a reliable sealing effect is achieved. The valve seat seal adopts a combined sealing structure. The primary seal can effectively prevent the solid particles from damaging the sealing surface. The secondary seal is a rubber ring seal, which can ensure that the valve meets the "zero" leak sealing requirements. According to the operating conditions, the valve seat can also use embedded polymer engineering plastic seals.
6. Emergency seat sealing system: The valve seat is designed with an emergency sealing system. When the soft sealing surface is damaged and there is a slight leakage, through the auxiliary seal injection system, when the on-site pipeline is under pressure, the sealant is injected into the valve sealing surface to play a temporary auxiliary seal. When the conveyed medium contains a small amount of solid particles, in order to protect the sealing surface or reduce the operating torque, the injection system can be injected with cleaning agent or lubricant to perform the necessary cleaning or lubrication treatment on the sealing surface. At the same time, a check valve is designed at the bottom of the grease injection valve to ensure that the medium will not leak from this position.
7. Lightweight and fast operation mode: Manually adopt a new worm gear combination operation mode, which is faster and lighter than ordinary pipe network worm gear box operation, and is convenient for on-site operation.

City gas: gas output pipeline, trunk and the regional supply, etc.
Central heating: large heating equipment output pipeline, trunk and feeder.
Heat exchangers, piping and the opening and closing of each circuit.
Steel mills: all kinds of fluid pipes, exhaust emission, gas and heat supply, fuel supply, etc.
All kinds of industrial equipment: all kinds of pipes, all kinds of industrial gas and heat pipe heat treatment.

设计与制造规范 Design and Manufacture Specification

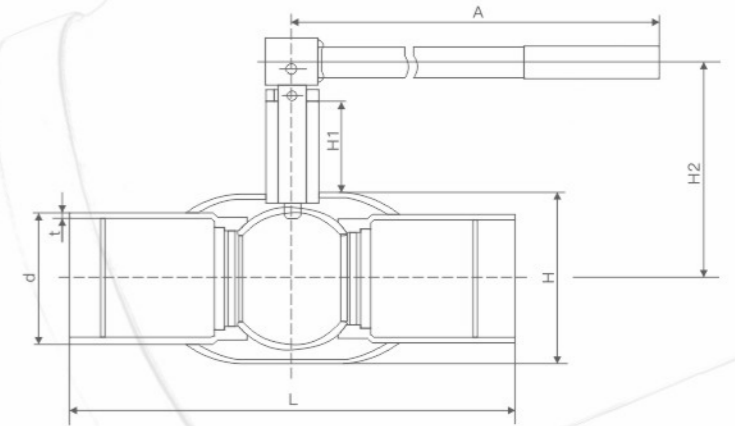
设计规范	Design specification	API6D、ASMEB 16.34
材质	Material	碳钢(A105)系列、奥氏体不锈钢系列、低温钢(LF9/LF2)系列 Carbon Steel(A105)Series,Austenite Steonless Steel Series,LCB(LF9/LF2)Series,Special Alloy Material Series
压力-温度	Pressure-temp	ASME B16.34、API608
结构长度	Face to Face	ASME B16.10、GB12221
对焊端形式	Welding end type	ASME B16.25、ASME B31.4/31.8
法兰连接	Flange dimension	ASME B16.47、ASME B16.5、MSS SP-4、BS、DIN、JIS、GB、JB、HG、SH
试验与检验	Test & check	API 598、API6D、GB13927
耐火试验	Fire safe test	API 607、PAI 6FA
驱动方式	Operation mode	手动、电动、气动、液动、气液联动(按客户要求) Manual,Electrical,Pneumatic,Hydraulic,airdraulic(as the customer'requirements)



PN16/25, DN 250-600

主要零件材质 Main Part Materials

序号 No.	名称	材料	Name	Material
1	阀室	碳钢 ST 37.0	Body	Steel ST 37.0
1 B	法兰	碳钢 R ST 37-2	Flange	Steel R ST 37-2
2	焊接末端	碳钢 ST 37.0	Welding end	Steel ST 37.0
3	球体	不锈钢 CF8/AISI 304	Ball	Stainless steel CF8/AISI 304
4	氟橡胶	Viton ²¹	Fluorine rubber	Viton ²¹
5	阀座	PTFE, 20%C	Body seat	PTFE, 20%C
6	备用垫圈	2Cr13	Back-up ring	2Cr13
7	蝶形垫片	65Mn	Dise spring	65Mn
8	垫圈	Viton ²¹	Intermediate ring	Viton ²¹
9	阀杆	2Cr13	Stem	2Cr13
10	耐磨块	PTFE, 20%C	Friction packing	PTFE, 20%C
11	O型圈	Viton ²¹	O-ring	Viton ²¹
12	O型圈	Viton ²¹	O-ring	Viton ²¹
13	平垫	碳钢 ST 37.0	Washer	Steel ST 37.0
14	垫料压套	碳钢 ST 37.0	Bedding set pressure	Steel ST 37.0
15	平台	碳钢 ST 37.0	Platform	Steel ST 37.0



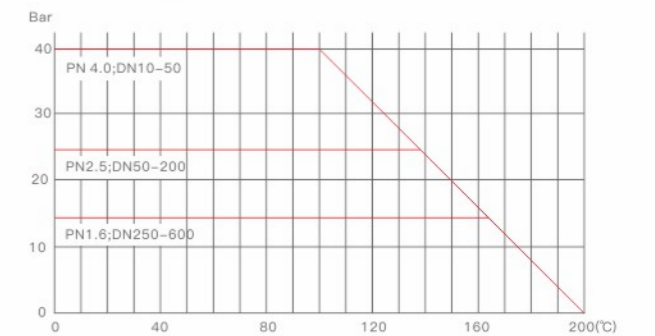
适用范围 Scope Of Application

供暖系统、区域供热、工业用途、城市燃气。
Water, air, oil and other fluids, which are not decomposing carbon steel.

适用介质 Applicable medium

水、空气、油和其它不与碳钢发生化学反应的流体。
Heating systems, district heating, industrial purposes.

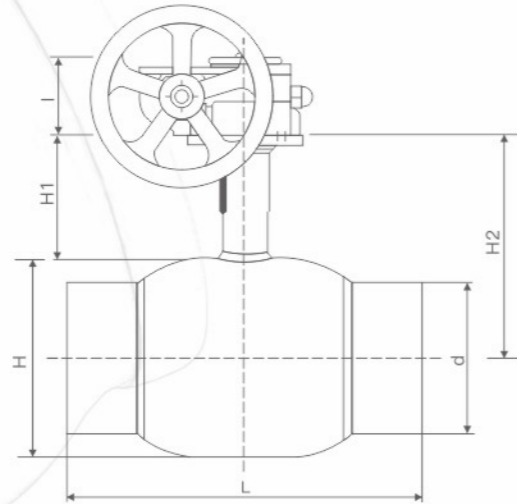
曲线图 Graph



主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa; DN50-200

DN(mm)	公称直径 Bore	H	d		t	L	H1	H2	A	WT(kg)
			A/B							
50	40	89	60.3/57		4	300	35	135	180	4
65	50	108	76.1/76		4	300	35	144	275	5.2
80	65	133	88.9/89		5	300	44	154	275	6.3
100	80	159	114.6/108		5	325	50	193	365	11.0
125	100	193	139.7/133		5	325	42	218	365	16
150	125	219	168.3/159		6	350	83	343	650	24
200	150	273	219/219		7	400	84	345	800	39



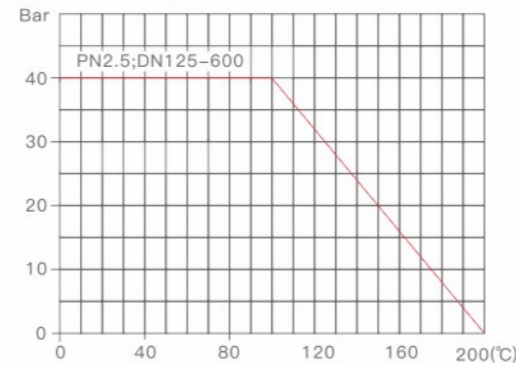
适用范围 Scope Of Application

供暖系统、区域供热、工业用途、城市燃气。
Water, air, oil and other fluids, which are not decomposing carbon steel.

适用介质 Applicable medium

水，空气，油和其它不与碳钢发生化学反应的流体。
Heating systems, district heating, industrial purposes.

曲线图 Graph

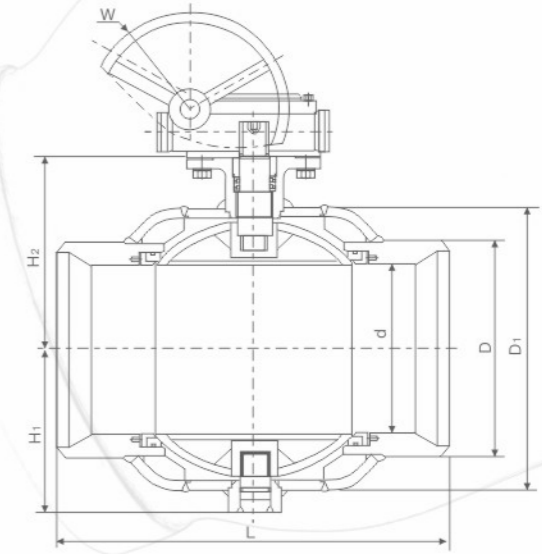


主要外形连接尺寸 Main External Connection Dimensions

PN2.5MPa; DN125-600

DN(mm)	公称直径 Bore	H	d		t	L	H1	H2	I	ISO	WT(kg)
			A/B								
125	100	193	139.7/133		5	325	42	221	40	F07	22
150	125	219	168.3/159		6	350	83	245	50	F10	32
200	150	273	219.1/219		7	400	84	289	60	F12	44
250	200	351	273/273		8	530	90	306	84	F14	102
300	250	425	323.9/325		12	550	87	336	105	F16	150
350	300	508	355.6/377		14	650	102	395	110	F25	267
400	350	610	406.4/426		14	760	95	445	120	F25	460
450	400	610	457/480		16	760	95	460	120	F25	550
500	400	680	508/530		18	840	95	522	150	F30	720
600	500	813	610/630		22	1020	105	610	170	F30	1600

注：阀杆末端装有ISO标准法兰。 Note: Stem end is equipped with ISO standard flange.



主要外形连接尺寸 Main External Connection Dimensions

(PN1.6/2.5 MPa; Class150)

DN(mm)	NPS(in)	d	D	D1	L	H1	H2	W
200	8	150	219	273	400	177	245	320
250	10	200	273	356	560	207	281	350
300	12	250	325	426	635	249	317	350
350	14	300	356	510	650	298	356	350
400	16	334	406	560	762	315	370	350
450	18	334	457	560	838	354	395	350
500	20	387	508	660	910	380	415	400
600	24	489	610	813	1065	487	521	400
700	28	590	711	990	1346	578	606	520
800	32	686	713	1140	1524	660	700	520
900	36	781	914	1320	1727	752	795	590
1000	40	876	1020	1480	1900	852	890	590

注：基本型号：PN25，但如需要PN16，请在压力选项上注明。
Note: Basic models: PN25, but for PN16, please indicate on the pressure option.

产品概述 Product Overview

电动卫生级球阀是由电动角行程执行器与卫生级球阀装配组成。亦称电动卡箍球阀，皆经过了精密的检验流程和严格的品质管理，流道经过精密抛光和除菌处理，采用了全包的F4密封，没有死角且容易清洗。电动卫生级球阀阀体采用不锈钢精制而成，流道内壁0.5um (240Grit)电子抛光，保持流体畅通无阻。密封面采用的全包PTFE没有死角，保证卫生。广泛应用于啤酒工程、食品工程、化学工程、制药工程、生物工程和污水处理工程等领域。

Electric sanitary ball valve is composed of electric angle stroke actuator and sanitary ball valve. Also known as the electric clamp ball valve, all have passed the precise inspection process and strict quality management. The flow passage has undergone the precise polishing and sterilization treatment, and adopts the full package F4 seal, which has no dead angle and is easy to clean. The valve body of electric sanitary ball valve is made of stainless steel, and the inner wall of the flow passage is 0.5um (240Grit) electronic polishing, to keep the flow unobstructed. The sealing surface adopts all-around PTFE without dead angle to ensure sanitation. Widely used in beer engineering, food engineering, chemical engineering, pharmaceutical engineering, biological engineering, water treatment engineering and other fields.

产品特点 Product Features

- 1、精密加工锻打，表面光滑无死角，无缝、自动排空，耐腐蚀耐高温；
- 2、快装球阀外形美观，质感性能强，加工均经过精密抛光和灭菌处理；
- 3、阀体采用不锈钢SUS304、316L及更高等级材质制作，保证卫生标准。
- 4、快装球阀连接方便，两端为卡箍连接，易于拆卸、清洗、维修以及更换。

1. Precision forging, smooth surface without dead angle, seamless, automatic emptying, corrosion resistance and high temperature resistance;
2. The quick ball valve is beautiful in appearance, strong in texture and performance. It has been processed by precision polishing and sterilization;
3. The valve body is made of stainless steel SUS304, 316L and higher grade materials to ensure the hygienic standard.
4. The quick mounting ball valve is easy to connect, and both ends are connected by clamps, so it is easy to disassemble, clean, repair and replace.

主要技术参数 Main Technical Parameters

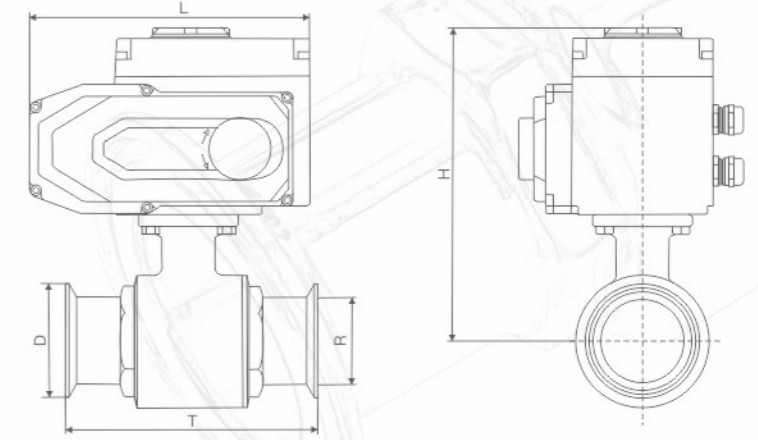
阀体形式 Type of body	二通式、三通式 Two way, three way
公称通径 Nominal diameter	DN15~100mm
公称压力 Nominal pressure	PN1.0MPa
连接形式 Connection form	快装式(卡箍式)、焊接式、螺纹式 Fast-loading (clamp type), welding type and threaded type
适用温度 Applicable temperature	PTFE≤180℃
适用介质 Applicable medium	啤酒、葡萄酒、生物工程、食品、 制药、饮料、乳品等 Beer, Wine, Bioengineering, Food, Pharmaceutical, Beverage, Dairy, etc

主要性能指标 Main Performance Indexes

公称通径DN(mm) Nominal diameter	DN15~100mm
允许压差(MPa) Allow the differential	≤公称压力 Nominal pressure
动作范围 Range of motion	0~90°
泄露量Q Leakage	按GB/T4213-92, 小于额定KV0.01% According to GB/T4213-92, less than rated kv0.01%
基本误差 Basic error	±1%
回差 Backlash	±1%
死区 Dead zone	≤1%

主要零件材质 Main Part Materials

阀体 Body	304/316/316L不锈钢 Stainless steel
阀轴 Shaft	不锈钢 Stainless steel
球体 Ball	304/316/316L不锈钢 Stainless steel
阀座 Seat	PTFE



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

公称通径 DN(mm) Nominal diameter	L	H	T	R	D	电动执行器配型 Electric actuator configuration
15	160	147	100	19	50.5	AX-05B
20	160	147	105	25	50.5	AX-05B
25	160	153	120	32	50.5	AX-05B
32	200	193	136	38	50.5	AX-10B
40	200	196	160	51	64	AX-10B
50	200	225	170	63	77	AX-10B
65	252	260	196	76	91	AX-20B
80	252	288	235	89	106	AX-40B
100	252	333	270	102	119	AX-60B

产品概述 Product Overview

气动卫生级球阀是由气动角行程执行器与卫生级球阀装配组成。亦称气动卡箍球阀，皆经过了精密的检验流程和严格的品质管理，流道经过精密抛光和除菌处理，采用了全包的F4密封，没有死角且容易清洗。气动卫生级球阀阀体采用不锈钢精制而成，流道内壁0.5um (240Grit)电子抛光，保持流体畅通无阻。密封面采用的全包PTFE没有死角，保证卫生。该球阀广泛应用于啤酒工程、食品工程、化学工程、制药工程、生物工程和污水处理工程等领域。

Pneumatic sanitary ball valve is composed of pneumatic angle stroke actuator and sanitary ball valve. Also known as pneumatic clamp ball valve, all have passed the precise inspection process and strict quality management. The flow passage has been precisely polished and sterilized, and the whole package F4 seal is adopted, which has no dead angle and is easy to clean. The valve body of the pneumatic sanitary ball valve is made of stainless steel, and the inner wall of the flow passage is 0.5um (240grit) electronic polishing, to keep the flow unobstructed. The sealing surface adopts all-around PTFE without dead angle to ensure sanitation. The ball valve is widely used in beer engineering, food engineering, chemical engineering, pharmaceutical engineering, biological engineering and water treatment engineering.

产品特点 Product Features

- 1、精密加工锻打，表面光滑无死角，无缝、自动排空，耐腐蚀耐高温；
- 2、快装球阀外形美观，质感性能强，加工均经过精密抛光和灭菌处理；
- 3、阀体采用不锈钢SUS304、316L及更高等级材质制作，保证卫生标准。
- 4、快装球阀连接方便，两端为卡箍连接，易于拆卸、清洗、维修以及更换。

1. Precision forging, smooth surface without dead angle, seamless, automatic emptying, corrosion resistance and high temperature resistance;
2. The quick ball valve is beautiful in appearance, strong in texture and performance. It has been processed by precision polishing and sterilization;
3. The valve body is made of stainless steel SUS304, 316L and higher grade materials to ensure the hygienic standard.
4. The quick mounting ball valve is easy to connect, and both ends are connected by clamps, so it is easy to disassemble, clean, repair and replace.

主要性能指标 Main Performance Indexes

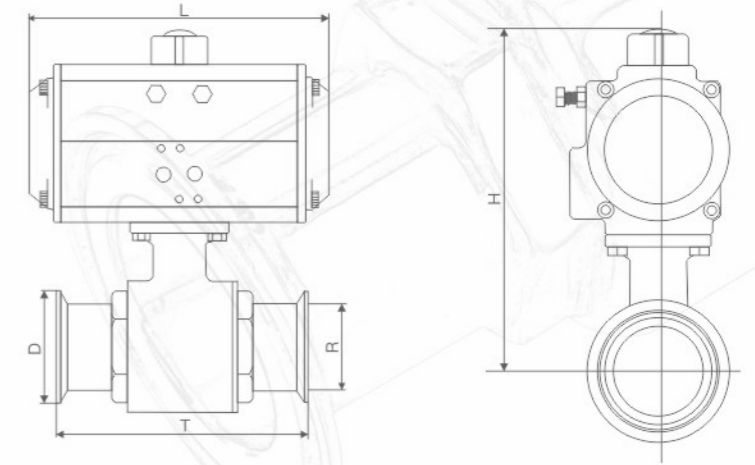
公称通径DN(mm) Nominal diameter	DN15~100mm
允许压差(MPa) Allow the differential	≤公称压力 Nominal pressure
动作范围 Range of motion	0~90°
泄露量Q Leakage	按GB/T4213-92, 小于额定KV0.01% According to GB/T4213-92, less than rated kv0.01%
基本误差 Basic error	±1%
回差 Backlash	±1%
死区 Dead zone	≤1%

主要技术参数 Main Technical Parameters

阀体形式 Type of body	二通式、三通式 Two way, three way
公称通径 Nominal diameter	DN15~100mm
公称压力 Nominal pressure	PN1.0MPa
连接形式 Connection form	快装式(卡箍式)、焊接式、螺纹式 Fast-loading (clamp type), welding type and threaded type
适用温度 Applicable temperature	PTFE≤180°C
适用介质 Applicable medium	啤酒、葡萄酒、生物工程、食品、 制药、饮料、乳品等 Beer, Wine, Bioengineering, Food, Pharmaceutical, Beverage, Dairy, etc

主要零件材质 Main Part Materials

阀体 Body	304/316/316L不锈钢 Stainless steel
阀轴 Shaft	不锈钢 Stainless steel
球体 Ball	304/316/316L不锈钢 Stainless steel
阀座 Seat	PTFE



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

公称通径DN(mm) Nominal diameter	L	H	T	R	D	气动执行器配型 Pneumatic actuator configuration
15	147	149	100	19	50.5	AT-52
20	147	149	105	25	50.5	AT-52
25	147	156	120	32	50.5	AT-52
32	168	190	136	38	50.5	AT-63
40	182	196	160	51	64	AT-75
50	204	228	170	63	77	AT-83
65	238	270	196	76	91	AT-92
80	268	301	235	89	106	AT-105
100	301	350	270	102	119	AT-125

产品概述 Product Overview

Q911F电动塑料球阀采用双由令、法兰连接，无须使用特殊工具即可快速装配，具有结构紧、耐磨损、容易拆卸、方便检修、维护简单易行等优点。阀体材质卫生无毒、耐腐蚀性强、重量轻、应用范围广。例如：纯水和生饮水的管路系统、排水和污水管路系统、盐水和海水管路系统、酸碱和化学溶液系统等多个行业。

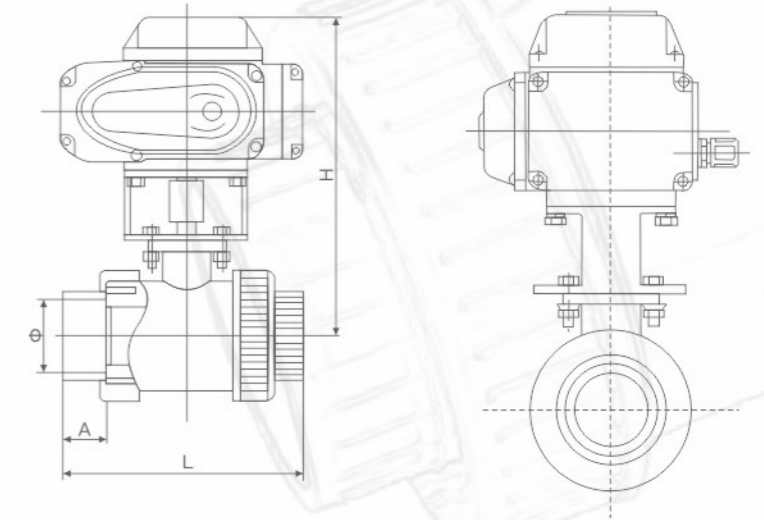
Q911F Electric plastic ball valve adopts double-instruction, flange connection, and can be quickly assembled without the use of special tools. It has the advantages of tight structure, wear resistance, easy disassembly, convenient maintenance, and easy maintenance. The valve body is hygienic, non-toxic, strong in corrosion resistance, light in weight, and has a wide range of applications. Such as: piping systems for pure water and raw drinking water, drainage and sewage piping systems, brine and seawater piping systems, acids, alkalis and chemical solutions systems and other industries.

产品特点 Product Features

1. 采用双由令活接方式，安装及装拆方便，动作稳定、密封性能更加可靠；
 2. 本体重量轻，转动灵活、使用方便，配套简单、流通能力大；
 3. 全部零件采用UPVC注塑件组装成型，具有极佳的强度和韧性，使用寿命长；
 4. 材料卫生无毒，符合卫生标准，耐磨损，耐腐蚀性强，使得其用途更加广泛。
 5. 密封圈采用F4，耐腐蚀性能优异，广泛应用于各种酸碱和化学溶液系统等多个行业。
1. Adopt double connection live connection method, easy installation and disassembly, stable operation and more reliable sealing performance;
 2. The body is light in weight, flexible in rotation, easy to use, simple in matching and large in circulation capacity;
 3. All parts are assembled by UPVC injection parts, with excellent strength and toughness, and long service life;
 4. The material is hygienic and non-toxic, meets hygienic standards, and is resistant to abrasion and corrosion, making it more widely used.
 5. The sealing ring adopts F4, which has excellent corrosion resistance and is widely used in various industries such as various acid and alkali and chemical solution systems.

主要技术参数 Main Technical Parameters

公称通径DN(mm) Nominal diameter	15	20	25	32	40	50	65	80	100
公称压力(MPa) Nominal pressure	PN1.0~1.6MPa								
连接方式 Connection method	法兰、螺纹、由令 Flange, thread, flange								
阀体结构 Body structure	一体、三通L、三通T One piece, three-way L, three-way T								
阀体材质 Body material	UPVC、CPVC、PP								
阀芯材质 Spool material	UPVC、CPVC、PP								
密封材质 Sealing material	PTFE								
适用温度 Applicable temperature	-40°C~+95°C								
适用介质 Applicable medium	PVC兼容的食品工业化学溶剂 PVC compatible chemical solvents for food industry								
配置执行机构 Configure actuator	可配HQ、HR等系列角行程电动执行机构 It can be equipped with HQ, HR and other series angle stroke electric actuators								
控制方式 Control mode	开关到位灯(开关两位控制)、智能调节(4~20mA模拟量信号控制) Switch in place lamp (switch two position control), intelligent regulation (4~20mA analog signal control)								



主要外形连接尺寸 Main External Connection Dimensions

PN1.0MPa

公称通径DN(mm) Nominal diameter	配置 Configuration	Φ	A	L	H
DN25	JM-05	32	21.5	121	207
DN32	JM-05	40	26.5	137	211
DN40	JM-05	50	31	161	242
DN50	JM-05	63	37.5	195	289
DN65	JM-05	75	43.5	226	315
DN80	JM-15	90	51	289	344
DN100	JM-15	110	61	342	376

产品概述 Product Overview

气动塑料球阀采用对双由令、法兰连接，不须适用特殊工具即可快速装配，具有结构紧、耐磨损、容易拆卸、方便检修、维护简单易行等优点。阀体材质卫生无毒、耐腐蚀性强、重量轻、应用范围广。例如：纯水和生饮水的管路系统、排水和污水管路系统、盐水和海水管路系统、酸碱和化学溶液系统等多个行业。

Pneumatic plastic ball valve adopts pair of double instructions and flange connection, which can be quickly assembled without the use of special tools. It has the advantages of tight structure, wear resistance, easy disassembly, convenient maintenance, and easy maintenance. The valve body is hygienic, non-toxic, strong in corrosion resistance, light in weight, and has a wide range of applications. Such as: piping systems for pure water and raw drinking water, drainage and sewage piping systems, brine and seawater piping systems, acids, alkalis and chemical solutions systems and other industries.

产品特点 Product Features

1. 采用双由令活接方式，安装及装拆方便，动作稳定、密封性能更加可靠；
 2. 本体重量轻，转动灵活、使用方便，配套简单、流通能力大；
 3. 全部零件采用UPVC注塑件组装成型，具有极佳的强度和韧性，使用寿命长；
 4. 材料卫生无毒，符合卫生标准，耐磨损，耐腐蚀性强，使得其用途更加广泛。
 5. 密封圈采用F4，防腐性能优异，广泛应用于各种酸碱和化学溶液系统等多个行业。
1. Adopt double connection live connection method, easy installation and disassembly, stable operation and more reliable sealing performance;
2. The body is light in weight, flexible in rotation, easy to use, simple in matching and large in circulation capacity;
3. All parts are assembled by UPVC injection parts, with excellent strength and toughness, and long service life;
4. The material is hygienic and non-toxic, meets hygienic standards, and is resistant to abrasion and corrosion, making it more widely used.
5. The sealing ring adopts F4, which has excellent corrosion resistance and is widely used in various industries such as various acid and alkali and chemical solution systems.

主要技术参数 Main Technical Parameters

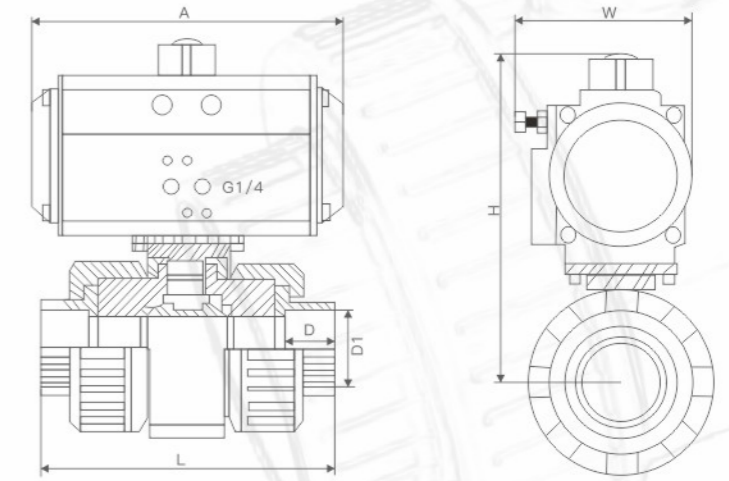
阀体形式 Type of body	直通式 Straight through type
公称口径 Nominal diameter	DN15~150mm
公称压力 Nominal pressure	PN1.0、1.6MPa
连接形式 Connection form	法兰、螺纹、双由令 Flange, thread, double driven
适用介质 Applicable medium	UPVC及PPR兼容的食品工业化学溶剂 UPVC and PPR compatible chemical solvents for food industry

主要零件材质 Main Part Materials

阀体 Body	UPVC、CPVC、PPR
阀座 Seat	PTFE
阀芯 Spool	UPVC、CPVC、PPR
阀杆 Stem	UPVC、CPVC、PPR

执行机构主要技术参数 Main Technical Parameters of Actuator

执行器型号 Actuator model	GT、SR、ST、AT系列单(双)作用气动执行器 GT, SR, ST, AT series single (double) acting pneumatic actuators
供气压力 Gas supply pressure	0.4~0.7MPa
气源接口 Air connection	G1/4"、G1/8"、G3/8"、G1/2"
环境温度 Ambient temperature	-20~+90°C
作用形式 Function form	单作用执行机构：气关式(B)--失气时阀门开(FO)；气开式(K)--失气时阀门关(FC) 双作用执行机构：气关式(B)--失气时阀门保持(FH)；气开式(K)--失气时阀门保持(FH) Single acting actuator: air closed (B)-valve position open (FO) in case of air loss; air open (K)-valve position close (FC) in case of air loss Double acting actuator: air closed (B)-valve position hold (FH) in case of air loss; air open (K)-valve position hold (FH) in case of air loss
可配附件 Enclosure	定位器、电磁阀、空气过滤减压器、保位阀、行程开关、阀位变送器、手轮机构等 Positioner, solenoid valve, air filter pressure reducer, holding valve, travel switch, valve position transmitter, handwheel mechanism, etc



主要外形连接尺寸 Main External Connection Dimensions

PN1.6MPa

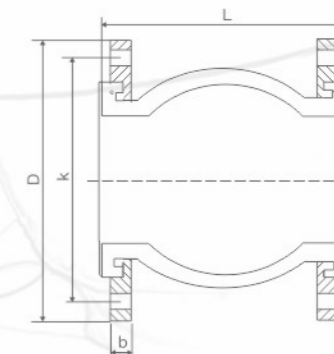
DN(mm)	A	L	H	W	D1	D
15	110	112	105	46	20.25	31
20	110	132	113	70	25.25	37
25	122	144	125	70	32.25	44
32	147	167	144	76.5	40.25	54
40	147	172	155	76.5	50.25	65
50	168	206	181	88	63.25	79
65	184	273	210	100	75.25	92
80	204	303	239	108	90.35	108
100	262	333	261	113.5	110.35	146

OTHER VALVE SERIES

其它阀系列



FLEXIBLE RUBBER JOINT
KXT 可曲挠橡胶接头



主要零件材质 Main Part Materials

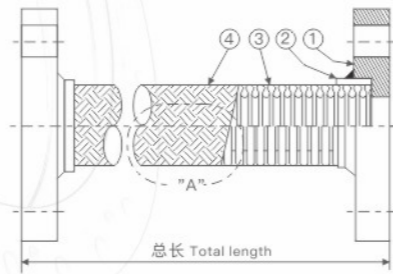
名称 Name	主体 Subject	内衬 Lining	骨架 Skeleton	法兰 Flange
材料 Material	橡胶 Rubber	尼龙帘布 Nylon cord fabric	硬钢丝 Hard wire	碳钢 Carbon steel

主要技术参数 Main Technical Parameters

型号 Model	KXT-1	KXT-2	KXT-3
工作压力 Working pressure MPa(kgf/cm ²)	1.0(10)	1.6(16)	2.5(25)
爆破压力 Burst pressure MPa(kgf/cm ²)	2.0(20)	3.0(30)	4.5(45)
真空度 Vacuum MPa(mm/Hg)	53.3(400)	86.7(650)	100(750)
适用温度 Applicable temperature	-15~+115℃ 特殊可达(Special can reach)-30~+250℃		
适用介质 Applicable medium	空气、压缩空气、水、海水、热水、油、酸、碱等 Air, compressed air, water, sea water, hot water, oil, acid, alkali, etc		

主要外形连接尺寸 Main External Connection Dimensions

DN	b	L	许可位移 Allowable displacement		DN	b	L	许可位移 Allowable displacement	
			压缩 Compress	拉伸 Stretching				压缩 Compress	拉伸 Stretching
25	8	95	9	6	200	10	200	25	16
32	8	95	9	6	250	11	240	25	16
40	8	95	10	6	300	11	255	25	16
50	8	105	10	7	350	12	265	25	16
65	8	115	13	7	400	12	265	25	16
80	9	135	15	8	450	12	265	25	16
100	9	150	19	10	500	12	265	25	16
125	9	165	19	12	600	12	260	25	16
150	10	185	20	12	-	-	-	-	-



产品概述 Product Overview

不锈钢编织网软接头作为一种柔性耐压管件安装于液体输送系统中，用以补偿管道或机器、设备连接端的相互位移，吸收振动能量，能够起到减振、消音等作用，具有柔性好、质量轻、耐腐蚀、抗疲劳、耐高低温等多项优点。该产品用于航空航天、石油化工、矿山电子、机械造船、医疗卫生、轻纺电子、能源建筑等领域。

The stainless steel braided net soft joint is installed in the liquid transportation system as a kind of flexible pressure resistant pipe fitting, which is used to compensate the mutual displacement of the connecting end of the pipeline, machine and equipment, absorb the vibration energy, and can play the role of vibration reduction and noise reduction, etc. It has many advantages such as good flexibility, light weight, corrosion resistance, fatigue resistance, high and low temperature resistance, etc. The products are used in aerospace, petrochemical, mining electronics, mechanical shipbuilding, medical and health, textile electronics, energy construction and other fields.

主要技术参数 Main Technical Parameters

适用介质 Applicable medium	适用温度 Applicable temp	连接形式 Connection form	材质 Material
水、汽、油 Water, steam and oil	120℃	法兰 Flange	不锈钢 Stainless steel

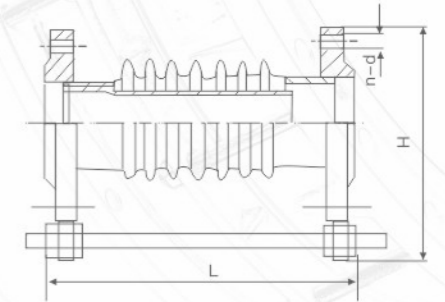
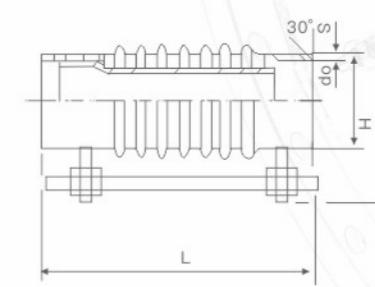
执行标准 Execution Standard

制造标准 Manufacturing standard
GB/T 14525

主要外形连接尺寸 Main External Connection Dimensions

单位: mm

PN1.0-4.0MPa			
公称管径 (DN) Nominal diameter		总长 Total length (mm)	外径 Diameter (mm)
mm	inch		
32	1-1/4	200	41.0
40	1-1/2	200	51.0
50	2	230	62.0
65	2-1/2	230	84.0
80	3	230	98.0
100	4	230	124.5
125	5	280	152.0
150	6	280	178.5
200	8	300	231.0
250	10	330	283.0
300	12	350	334.0
350	14	350	372.0
400	16	400	420.0



产品概述 Product Overview

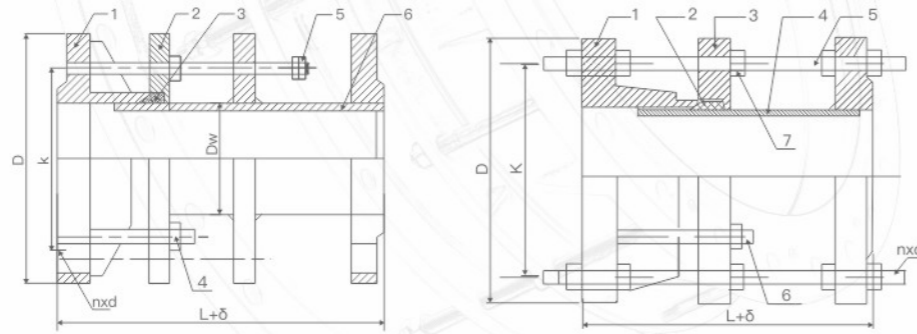
波纹补偿器又叫膨胀节，或伸缩节。由构成其工作主体的波纹管(一种弹性元件)和端管、支架、法兰、导管等附件组成。属于一种补偿元件。利用其工作主体波纹管的有效伸缩变形，以吸收管线、导管、容器等由热胀冷缩等原因而产生的尺寸变化，或补偿管线、导管、容器等的轴向、横向和角向位移。也可用于降噪减振。

Corrugated compensator is also called expansion joint, or expansion joint. The utility model is composed of a bellows (an elastic element) which forms the working main body, an end pipe, a bracket, a flange, a conduit and other accessories. It belongs to a compensation element. The effective expansion and contraction deformation of the working main body bellows is used to absorb the size change caused by the thermal expansion and contraction of the pipeline, conduit and container, or to compensate the axial, lateral and angular displacement of the pipeline, conduit and container. It can also be used for noise reduction and vibration reduction.

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	产品型号 Product model	计算疲劳破坏次数下轴向补偿器X0 mm Calculating the number of fatigue failure under axial compensator X0 mm			补偿器 compensator			刚度stiffness			有效面积Acm ² Effective area Acm ²	径向最大外形尺寸Hmm Radial maximum Physical size Hmm	接管接口尺寸DOXS(mm) Flange connection	L		WT(kg)	
		1500	1300	1500	轴向Yo mm	角向Yθ度	轴向Yx N/mm	横向Yy N/mm	角向Yθ N·M/度	法兰 flange				接管 According to the tube	法兰 flange	接管 According to the tube	
80	1/0YSTA80x8J/F	30	25	18	6.4	±6.4	358	418	8.4	81	284	Φ890x4	244	344	10	3	
	1.0STA80x10J/F	37	32	22	10	±8	286	214	6.7				274	374	10	3	
100	1.0YSTA100x6J/F	33	28	20	3.6	±3.6	417	1471	14	121	304	Φ108x4	223	323	11	3	
	1.0YSTA100x10J/F	56	47	33	10	±8	250	318	8.5				287	387	13	5	
125	1.0YSTA125x5J/F	36	32	21	2.5	±4.4	408	2885	21	180	334	Φ133x4	216	318	13	4	
	1.0YSTA125x8J/F	65	58	38	8	±8	227	495	12				288	388	14	5	
150	1.0YSTA150x5J/F	48	41	27	2.5	±5	300	2889	20	257	364	Φ159x4.5	238	338	17	7	
	1.0YSTA150x8J/F	77	65	43	6.4	±8	188	705	23				298	398	18	8	
200	1.0YSTA200x4J/F	56	47	31	3.2	±5.3	288	3165	39	479	442	Φ219x6	244	344	25	17	
	1.0YSTA200x6J/F	84	70	46	7.2	±8	192	9938	26				298	340	27	20	
250	1.0YSTA250x4J/F	63	53	36	4.8	±5.3	588	4371	128	769	497	Φ273x8	309	409	38	22	
	1.0YSTA250x6J/F	95	80	53	10.8	±8	392	1295	85				387	487	43	27	
300	1.0YSTA300x4J/F	65	54	37	6.4	±5.3	830	4444	249	1105	547	Φ325x8	358	458	49	32	
	1.0YSTA300x6J/F	97	82	55	14	±5.8	553	1371	166				456	556	56	39	
350	1.0YSTA350x4J/F	72	60	40	6	±8	840	4289	309	1307	607	Φ377x10	499	487	73	40	
	1.0YSTA350x6J/F	107	90	61	14	±8	560	1431	206				387	599	82	55	
400	1.0YSTA400x4J/F	74	62	42	6	±5.3	918	6199	420	1611	685	Φ426x4	400	500	91	54	
	1.0YSTA400x6J/F	112	93	63	14	±7.8	612	1837	280				510	610	107	65	
450	1.0YSTA450x4J/F	82	69	46	4.8	±5.2	690	8210	379	1972	735	Φ478x10	389	489	111	68	
	1.0YSTA450x6J/F	124	103	68	10.8	±7.8	450	2433	253				489	589	121	78	
500	1.0YSTA500x4J/F	84	70	47	4.8	±4.6	728	9861	515	2445	790	Φ529x10	415	517	126	82	
	1.0YSTA500x6J/F	126	105	70	10.8	±6.9	485	2922	343				515	615	138	93	
600	1.0YSTA600x4J/F	86	72	48	4.8	±4	1468	20515	1477	3534	920	Φ630x10	458	558	167	127	
	1.0YSTA600x6J/F	129	108	72	10.8	±6	978	60786	985				648	758	181	141	



产品概述 Product Overview

法兰限位伸缩接头是由本体、密封圈、压盖、伸缩短管等主要部件组成。在松套伸缩接头原有性能的基础上增设限位装置，在最大伸缩量处用双螺母锁定。管道在允许的伸缩量中可以自由伸缩，一旦超过其最大伸缩量就起限位，确保管道的安全运行，特别适用于有振动或有一定斜度及拐弯的管路中的连接。适用于输送海水、淡水、冷热水、饮用水、生活污水、原油、燃油、润滑油、成品油、空气、煤气、温度不高于250℃的蒸汽和颗粒粉状等介质。

Flange limit expansion joint is composed of main components such as body, sealing ring, gland, telescopic short tube and so on. On the basis of the original performance of the loose sleeve expansion joint, a limit device is added, and the double nut is locked at the maximum expansion amount. The pipeline can be freely expanded and contracted within the allowable expansion and contraction. Once the maximum expansion and contraction is exceeded, it will reach the limit to ensure the safe operation of the pipeline. It is especially suitable for connection in pipelines with vibration or a certain slope and bend. It is suitable for conveying seawater, fresh water, hot and cold water, drinking water, domestic sewage, crude oil, fuel oil, lubricating oil, refined oil, air, gas, steam and granular powder with a temperature not higher than 250 °C.

主要零件材质 Main Part Materials

压力等级 Pressure rating	1.0MPa	1.6MPa	
测试等级 Test level	强度 Strength	1.5MPa	2.4MPa
	密封 Seal	1.1MPa	1.76MPa
温度 Temperature	-10℃~80℃		
介质 Medium	清水 Clean water		

主要外形连接尺寸 Main External Connection Dimensions

单位Unit: mm

DN	DW	D	K	L	δ	nxd	C1	C2	n1-Th*S	n1-Th*S3	n-Th
400	426	580	525	400	32.5	16-Φ30	28	38	4-M20*145	4-M20*280	16-M20
500	480	640	585	400	32.5	20-Φ30	30	42	5-M20*145	5-M20*280	20-M20
450	530	715	650	400	32.5	20-Φ33	32	46	5-M20*145	5-M20*280	20-M20
600	630	840	770	400	32.5	20-Φ36	36	54	5-M20*145	5-M20*280	20-M20
700	720	910	840	400	32.5	24-Φ36	40	40	6-M20*145	6-M20*280	24-M20
800	820	1025	950	600	65	24-Φ39	43	42	6-M24*240	6-M24*460	24-M24
900	920	1125	1050	600	65	28-Φ39	47	44	7-M24*240	7-M24*460	28-M24
1000	1202	1225	1170	600	65	28-Φ39	50	46	7-M24*240	7-M24*460	28-M24
1200	1220	1485	1390	600	65	32-Φ48	57	52	8-M24*240	8-M24*460	32-M24
1400	1420	1685	1590	640	65	36-Φ48	60	58	9-M24*240	9-M24*460	36-M24
1600	1620	1930	1820	640	65	40-Φ55	65	64	10-M24*240	10-M24*460	40-M27
1800	1820	2130	2020	640	65	44-Φ55	70	68	11-M24*240	11-M24*460	44-M27

产品概述 Product Overview

铸铁镶铜闸门常用于城市给排水、防洪、水利、工厂废水等行业中，用作切换流道、截断水流或调节水位。门体经过丝杆及启闭机等提升装置的作用沿门框上下运动，通过楔紧装置使得门体与青铜密封面间紧密接触而使介质密封。本公司生产的闸门，品种齐全，安装方便，密封性好。

Cast iron copper gates are commonly used in industries such as urban water supply and drainage, flood control, water conservancy, and factory waste water. The door body moves up and down along the door frame through the action of lifting devices such as screw rods and hoists. The wedge tightening device makes the door body and the bronze sealing surface closely contact to seal the medium. The gates produced by our company are complete in variety, convenient in installation and good in sealing.

主要技术参数 Main Technical Parameters

公称压力: ≤0.1MPa

密封试验压力: 0.1MPa

工作温度: -20℃~120℃

温度: 95%

工作介质: 水与污水Ph值5~10

安装位置: 正常状态下正向迎水, 处于铅垂直状态

最大工作水头: 单向受压正向: 10mm

反向: 5mm

双向受压: 均为10mm

启闭速度: 不小于0.2m/min 不大于1.5m/min

闸板距边警距离≥300, 距池底距离≥150mm~250mm

Nominal pressure: ≤0.1MPa

Sealing test pressure: 0.1MPa

Working temperature: -20℃~120℃

Temperature: 95%

Working medium: Ph value of water and sewage 5~10

Installation location: Normally facing the water in a normal state, in a vertical state of lead

Maximum working head: unidirectional compression positive direction: 10mm

Reverse: 5mm

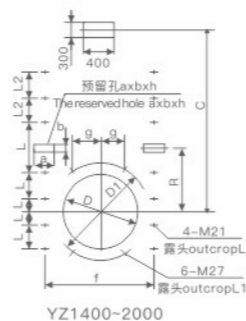
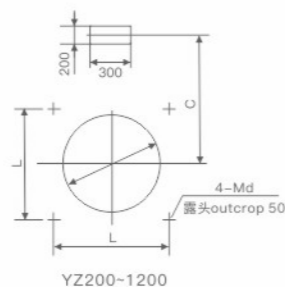
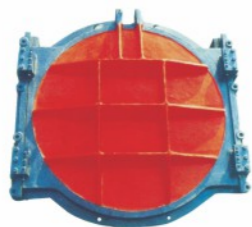
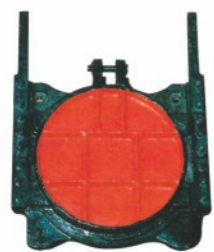
Bidirectional compression: 10mm

Opening and closing speed: not less than 0.2m/min not more than 1.5m/min

The distance between the gate and the side is ≥300, and the distance from the bottom of the pool is ≥150mm~250mm

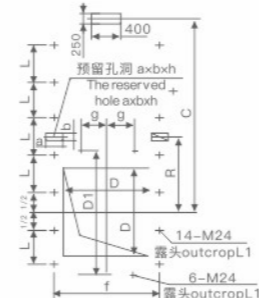
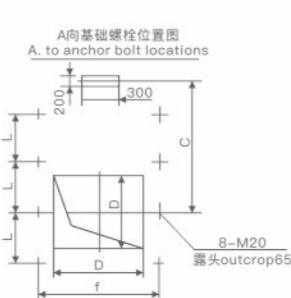
主要零件材质 Main Part Materials

规格型号 Specifications	材质 Material	标准材质 Standard material
闸板 Gate plate	灰铸铁(HT250)球铁(OT450-10)、不锈钢 Grey cast iron (HT250) (OT450-10) of ductile iron, stainless steel	GB9439-88/GB1348-88
门框 Door frame	灰铸铁(HT250)球铁(OT450-10)、不锈钢 Grey cast iron (HT250) (OT450-10) of ductile iron, stainless steel	GB12226-89/GB12227-89
导轨 Guide	灰铸铁(HT250)球铁(OT450-10)、不锈钢 Grey cast iron (HT250) (OT450-10) of ductile iron, stainless steel	GB1220-84
密封面 Sealing surfac	锡青铜ZCUSN5PB5ZN5/丁腈橡胶 Tin bronze ZCUSN5PB5ZN5/nitrile rubber	GB1176-87
契块 Chunk	锡青铜ZCUSN5PB5ZN5/丁腈橡胶 Tin bronze ZCUSN5PB5ZN5/nitrile rubber	GB12225-89
传动螺杆 Drive screw	不锈钢 Stainless steel	GB1220-84
吊块螺母 Hanging piece of nut	铝铁青铜ZCUA110FE3 Aluminum bronze ZCUA110FE3 iron	GB1176-87
紧固件 Fasteners	不锈钢OCR17N112M0/OCR18N19Ti Stainless steel OCR17N112M0/OCR18N19Ti	GB1220-84



主要外形连接尺寸(圆形) Main External Connection Dimension (Round)

通径DN	D1	E	G	L	L0	H	H1	H2	地脚螺栓 Anchor bolt	4-MD
YZ200-YZ1200										
φ200	φ270	55	90	220	370	415	160	145	30	4-m12
φ300	φ380	60	100	300	470	460	210	190	35	4-m12
φ400	φ480	70	100	400	590	715	270	245	40	4-m16
φ500	φ580	70	100	500	730	875	320	295	40	4-m16
φ600	φ690	70	120	600	820	1020	380	345	40	4-m16
φ700	φ780	75	120	700	940	1200	430	410	40	4-m16
φ800	φ890	80	120	800	1040	1350	490	460	45	4-m20
φ900	φ990	85	120	900	1156	1505	540	515	45	4-m20
φ1000	φ1090	90	120	1000	1250	1655	590	565	45	4-m20
φ1200	φ1300	92	120	1200	1440	1985	700	670	45	4-m24



主要外形连接尺寸(方形) Main External Connection Dimension (Square)

通径DN	I	D1	G	E	L0	L	f	H1	H2	H3
FZ200-FZ1000										
φ200	100	265	50	60	390	360	350	175	290	140
φ300	100	365	50	60	490	240	450	225	359	190
φ400	100	465	50	60	610	300	560	290	450	250
φ500	110	565	50	65	720	250	660	360	680	300
φ600	125	680	70	75	820	300	760	400	750	350
φ700	125	780	70	75	930	350	870	450	770	400
φ800	130	880	80	83	1010	400	960	500	1000	450
φ900	130	980	80	83	1110	450	1060	550	1000	500
φ1000	145	1080	73	90	1260	500	1200	590	1100	550

服务体系
SERVICE SYSTEM

一、售前服务/Pre-sales Service

当好客户的参谋和助手，让用户的每一份投资都获得丰厚的回报。

- (1) 设备型号的选择。
- (2) 根据客户的特殊要求，设计制造产品。
- (3) 为客户培训技术人员。
- (4) 提供新、特、难工程施工技术咨询或拟定合适的施工方案。

Be a good adviser and assistant of customers, making every investment achieve rich return.

- (1) Option of model of equipment.
- (2) Design and manufacture products according to special requirement of customers.
- (3) Train technicians for customers.
- (4) Offer new, special and hard engineering working technical consult or draw suitable working plan.

二、售中服务/On-purchase Service

尊重客户；给客户一个放心，一份轻松，一份惊喜；致力于提高客户的整体价值。

Respect customers: Give customers an assurance, a piece of relaxation and a surprise; be devoted to increasing customers' integrated value.

- | | |
|-----------------------|--|
| (1) 保修期内送货上门。 | (1) Provide home delivery service in warranty period. |
| (2) 产品的预验收。 | (2) Pre-inspection for product. |
| (3) 向顾客介绍天津一标阀门的服务体系。 | (3) Introduce service system of Tianjin Yibiao Valve to customers. |

三、售后服务/After-sale Service

提高客户整体价值，让客户无后顾之忧。

Increase customers' whole value and make customers' not have further trouble.

- | | |
|------------------------|--|
| (1) 协助用户拟定首次施工方案。 | (1) Assist clients to draw up the first working plan. |
| (2) 设备安装调试。 | (2) Installation and debugging of equipment. |
| (3) 现场培训操作人员。 | (3) Train operating staff on the spot. |
| (4) 定期巡检设备。 | (4) Test equipment termly. |
| (5) 快速主动，现场排查。 | (5) Solve the malfunctions on the spot quickly and actively. |
| (6) 保修配件送货上门。 | (6) Home delivery for warranty parts. |
| (7) 重点工程的跟踪服务。 | (7) Tracing service of important projects. |
| (8) 积极寻找潜在不满意用户，抱怨资源化。 | (8) Look for potential dissatisfying users actively and make complaints reclamation. |
| (9) 提供超值服务。 | (9) Offer value-added service. |
| (10) 提供技术交流的机会。 | (10) Offer opportunities for technology exchange |
| (11) 开展大项维修业务。 | (11) Carry out large-scale maintenance business. |

