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High Performance
Butterfly Valves
高性能蝶阀

International Quality
Precise Control

福建瀚达流体控制设备有限公司，是一家集研发、设计、生产制造、销售服务为一体的高科技阀门及其自动化控制装置的专业企业，并被认定为国家级高新技术企业。公司位于福建省泉州市永春县桃城锦绣德工业园H区2号，占地面积26800m²，建筑面积40000m²，公司员工268人，其中高中级技术人员58人，具有CAD、CAM研发设计制造和ERP企业资源计划管理系统。公司拥有卧式加工中心、立式龙门加工中心多台、双卧式数控加工中心和大型数控车床等先进设备；有理化、无损检测、光谱分析、三维测量仪及阀门综合性能进口测试设备。公司已取得ISO9001国际质量体系认证、ISO45001职业健康安全管理体系认证、ISO14001环境管理体系认证、欧盟CE安全认证、国家市场监督管理局特种设备生产许可证(TS)以及相关行业的入网证书。

公司自主研发设计双偏心高性能蝶阀、三偏心硬密封蝶阀、U型阀座耐高温蝶阀，并取得五十多项国家发明和技术专利。公司主要为石油、化工、冶金、矿山、生物、医药、深冷、空分、核电、火电、水电、机械、供水、燃气以及输油、输气、长输管线等工程提供高压、高性能、耐磨、耐腐蚀、耐高温的各类蝶阀、球阀、闸阀、截止阀、止回阀、安全阀等八大系列共1500余个品种规格。

产品公称通径为DN15~3000mm(1/2"~120")，公称压力为1.6MPa~42MPa(150LB~2500LB)，工作温度为-196° C~750° C。阀门的材质有碳钢、不锈钢、耐热合金钢、蒙耐尔合金、低温钢以及其它特殊钢。驱动方式有手动、电动、气动、齿轮传动、涡轮蜗杆传动、气液联动、电液联动及计算机分布式控制系统。产品畅销全国各地，并出口美国、欧洲、印度、印尼、俄罗斯等地。

Fujian Handa Fluid Control Equipment Co., Ltd. is a professional enterprise that integrates research and development, design, production, manufacturing, sales and service of high-tech valves and their automation control devices, and is recognized as a national high-tech enterprise. The company is located in No. 2, Zone H, Bangde Industrial Park, Taocheng Town, Yongchun County, Quanzhou, Fujian, China, with a floor area of 26800m² and a building area of 40000m². The company has 268 employees, including 58 senior technicians, and has CAD, CAM R&D, design and manufacturing and ERP Enterprise resource planning management systems. The company has advanced equipment such as horizontal machining centers, multiple vertical gantry machining centers, dual horizontal CNC machining centers, and large CNC lathes; Imported testing equipment for physicochemical, non-destructive testing, spectral analysis, three-dimensional measuring instruments, and valve comprehensive performance. The company has obtained ISO9001 international quality system certification, ISO45001 occupational health and safety management system certification, ISO14001 environmental management system certification, EU CE safety certification, National Market Supervision Administration Special Equipment Production License (TS), and relevant industry access certificates.

The company independently develops and designs dual eccentric high-performance butterfly valves, triple eccentric hard sealing butterfly valves, and U-shaped seat high-temperature resistant butterfly valves, and has obtained more than 50 national inventions and technical patents. The company mainly provides over 1500 varieties and specifications of high-pressure, high-performance, wear-resistant, corrosion-resistant, and high-temperature resistant butterfly valves, ball valves, gate valves, globe valves, check valves, safety valves, and other eight series for petroleum, chemical, metallurgical, mining, biological, pharmaceutical, cryogenic, air separation, nuclear power, thermal power, hydropower, machinery, water and gas supply, as well as oil, gas and long-distance pipelines.

The product has a nominal diameter of DN15-3000mm (1/2 "~120"), a nominal pressure of 1.6MPa~42MPa (150LB~2500LB), and a working temperature of -196 ° C~750 ° C. The valve materials include carbon steel, stainless steel, heat-resistant alloy steel, Monel alloy, low-temperature steel, and other special steels. Drive modes include manual, electric, pneumatic, gear drive, turbine Worm drive, pneumatic hydraulic linkage, electro-hydraulic linkage and computer distributed control system. Our products sell well throughout the country and are exported to the United States, Europe, India, Indonesia, Russia, and other places.

国际品质 精确控制







致力于为流体控制产业提供性能可靠、品质卓越的阀门及相关流体控制产品和服务

Devoted to providing valves with reliable performances and excellent quality and other related fluid control products and services for the fluid control industry.



Drive Digitally
Manufacture with Ingenuity

以数字驱动 以匠心制造







自主研发专用阀门生产管理系统
确保每一个质量节点万无一失
每一个交期节点准确可控
自动化生产过程可视化
实现智能制造全覆盖

Independently develop a dedicated valve production management system to ensure
that every quality is perfectly safe,
and every delivery is accurately controllable;
Automatic production was imported,
the process is visualized,
and the whole intelligent manufacturing is gradually realized.

高性能蝶阀

High Performance Butterfly Valves

成套系统解决方案

Whole-set System Solution

– 阀门驱动装置及附件可配套安装，统一提供。
– 可配套提供电动装置，蜗轮装置，
双作用气动装置或弹簧回座气动装置以及各种附件，
包括限位装置，电磁阀和定位器。

- The valve actuator and accessories can be offered and installed.
- Electric actuator, worm gear actuator, dual action pneumatic actuator or spring return pneumatic actuator and various accessories including limit device, solenoid valve and positioner can be offered.



福建翰达流体控制设备有限公司

FUJIAN HANDA
FLUID CONTROL CO., LTD.

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蝶阀型号编制说明

Explanations to butterfly valve model establishment

1	2	3	4		5		6	7	8	9		10
DB	A	8	150		M		20	17	34	TT		6"(DN150)

例如：要订购标准型,美标,对夹式,150Lb,手动,阀体材料为WCB，阀杆材料为17-4PH，碟板材料为304，密封材料为PTFE，阀门通径为6"(DN150)的蝶阀。

For example: to order the butterfly valve with standard type, American standard, wafer type, 150lb, manual, body material WCB, stem material 17-4PH, butterfly plate material 304, seal material PTFE, valve diameter 6" (DN150)

型号编写为:DBA8150-M-201734TT-6"

The model is written as: DBA8150-M-201734TT-6"

1	阀门的特征代号	VALVE FEATURE CODE
DB	标准型	Standard code
DF	防火型(耐火型)	Fireproof type (Fire resistant type)
DU	U型金属密封	U-shaped metal seal
DY	STL 金属密封	STL metal seal

2	设计标准代号	DESIGN STANDARD CODE
G	国标	GB,JB
A	美标	ANSI
J	日标	JIS
D	德标	DIN
B	英标	BS

3	连接形式代号	CONNECTION TYPE CODE
9	对夹式(金属硬密封)	Wafer type(metal hard seal)
8	对夹式(软密封)	Wafer type(soft seal)
6	焊接式	Welded type
5	多耳式(单法兰)	Lug type (single flange)
4	法兰式(双法兰)	Flange type (double flange)

4	压力等级代号 PRESSURE CLASS CODE
150	ANSI CLASS 150Lb
300	ANSI CLASS 300Lb
600	ANSI CLASS 600Lb
900	ANSI CLASS 900Lb
010	JB79-94, PN10
016	JB79-94, PN16
025	JB79-94, PN25
040	JB79-94, PN40
100	JB79-94, PN100
160	JB79-94, PN160
10K	JIS 10K
20K	JIS 20K
30K	JIS 30K
40K	JIS 40K

5	驱动方式代号	DRIVING MODE CODE
H	手动	Manual
K	光杆	Bare stem
G	蜗轮传动	Worm gear transmission
P	气动	Pneumatic
D	电动	Electric

6	阀体材料代号	BODY MATERIAL CODE
20	碳钢WCB	Carbon steel
34	不锈钢CF8	Stainless steel
36	不锈钢CF8M	Stainless steel
41	不锈钢CF3	Stainless steel
61	不锈钢CF3M	Stainless steel
66	蒙乃尔	Monel
88	哈氏合金	Ha's alloy
50	双相不锈钢4A,5A	Duplex stainless steel 4A, 5A

7	阀杆材料代号	STEM MATERIAL CODE
17	马氏体不锈钢17-4PH	Martensite stainless steel 17-four PH
34	不锈钢304	Stainless steel 304
36	不锈钢316	Stainless steel 316
13	不锈钢1Cr13	Stainless steel CR131
23	不锈钢2Cr13	Stainless steel Cr132

8	碟板材料代号	BUTTERFLY PLATE MATERIAL CODE
22	碳钢+不锈钢(或合金钢)	Carbon steel and stainless steel (or alloy steel)
00	与阀体材料相同	And the same body material
34	不锈钢CF8	Stainless steel CF8
36	不锈钢CF8M	Stainless steel CF8M
41	不锈钢CF3	Stainless steel CF3
61	不锈钢CF3M	Stainless steel CF3M

9	密封阀座的材料代号	SEAL OF THE SEAT MATERIAL CODE
TT	PTFE聚四氟乙烯	PTFE Polytetrafluoroethylene
MT	RPTFE增强聚四氟乙烯	RPTFE Reinforced Polytetrafluoroethylene
PL	对位聚苯PPL	Polyphenylene PPL
PK	PEEK	PEEK
YT	耐烧合金钢+PTFE	Heat-resistant alloy steel+PTFE
HG	INCONEL	INCONEL
YG	STL	STL

10	阀门通径 VALVE SIZE
美标 ANSI	2"-120"(英寸inch)
国标 GB,JB	DN50-DN3000 (mm)

概述

Summary

超高性能蝶阀是本公司自行研制并引进德国“MAYER”的专利产品。该蝶阀具有超强特的产品结构，超可靠的密封性能，超广阔的工况条件，超低小的操作扭矩，超长久的使用寿命，特殊工况安全防火，同类产品处于世界领先地位。

The ultra-high performance butterfly valve is a patented product independently researched and developed by our company through introducing technology from Germany "MAYER". The butterfly valve has a unique product structure , reliable sealing performance, a wide range of working conditions, tiny operating torque and an outlasting working life. It is safe and fireproof under special working conditions , staying at the leading position among other similar products in the world.

阀门尺寸有 VALVE SIZE INCLUDES

DBA8150	对夹式 Wafer type	2"~60"	DN50~1500
DBAS150	单/双法兰式 Single/double flange type	2 1/ 2"~60"	DN65~1500
DFA8150	防火型 Fire-resistant type	3"~60"	DN80~1500
DBA8300	对夹式 Wafer type	2"~60"	DN80~1500
DBA5300	单/双法兰式 Single/double flange type	3"~60"	DN80~1500
DFA8300	防火型 Fire-resistant type	3"~60"	DN80~1500
DBA9150	对夹式 Wafer type	2"~60"	DN80~1500

该系列高性能对夹式蝶阀使用多种结构材料，包括符合NACE要求和抗磨蚀的，并可提供用于氯气、氧气、高真空和腐蚀生介质及低温环境的特殊阀门。

The series of high performance wafer-style butterfly valves adopt various structure materials, including those that agree with the NACE requirements and anti-corrosive, besides, they can be applied to chlorine, oxygen and high-vacuum, corrosive media and cryogenic condition are also available.

特点 FEATURES

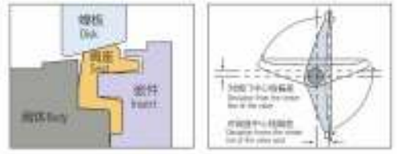
- 使用独特的动载密封PTFE阀座设计，弹性好，可靠性高；
- 无须增加O形圈或金属部件来保持密封；
- 循环式密封结构可补偿温度和压力的变化；
- 使用寿命长，维修量小；
- 密封试验，双向达到无气泡渗漏。

- The unique dynamic load seal PTFE seat design is adopted with good elasticity and high reliability.
- The sealing can be maintained without adding O-shape ring or any metal part.
- The lip-edge sealing structure can compensate for the changes of temperature and pressure.
- It boasts of a longer working life and a smaller capacity of repairs.
- In seal test, there is no bubble and leakage at both inections.

偏置轴和偏心蝶板设置 DESIGN OF OFFSET SHAFT AND ECCENTRIC BUTTERFLY PLATE

在开启和处于中间位置时阀座与蝶板不发生接触；
在阀座上下部位无磨损点；
扭矩低，操作机构要求小。

The seat and butterfly plate do not contact each other when the valve is opened or at the middle position.
There is no wear point at the upper and lower parts of the seat.
Low torque with low requirement for operating mechanism.



耐火结构 FIRE RESISTANT STRUCTURE

耐火型阀门按API 607经过火烧试验。
The fireproof valve has been tested by fire according to the standard of API 607.

阀座类型 VALVE SEAT TYPE

PTFE, R-PTFE, PEEK, 防火阀座等。
PTFE, R-PTFE, PEEK, Fireproof valve seat, etc.

轴的固定可靠 RELIABLE FIXING OF SHAFT

轴的顶端有防吹出结构，在轴意外断裂时防止轴的上部移窜出压盖。
The anti- blow-out structure is set up at the top of the shaft to prevent the accidentally fractured shaft from running out of the gland.

阀座维修保养方便 CONVENIENT REPAIR AND MAINTENANCE OF VALVE SEAT

只要取下密件即可更换阀座，不必拆卸蝶阀和轴。
The valve seat can be replaced simply by screwing off the inserts rather than the butterfly valve and shaft.

附流和控制功能 PROVIDED WITH SHUT-OFF AND CONTROL FUNCTIONS

- 具有优良的控特性；
- 流量特性曲线等比变化；
- 调节范围广；
- 即使用于控制仍能紧密密封。

- Having excellent control characteristics.
- Proportional change of flow characteristic curve.
- A wide adjusting range.
- Tight sealing can be realized even when it is used for control.

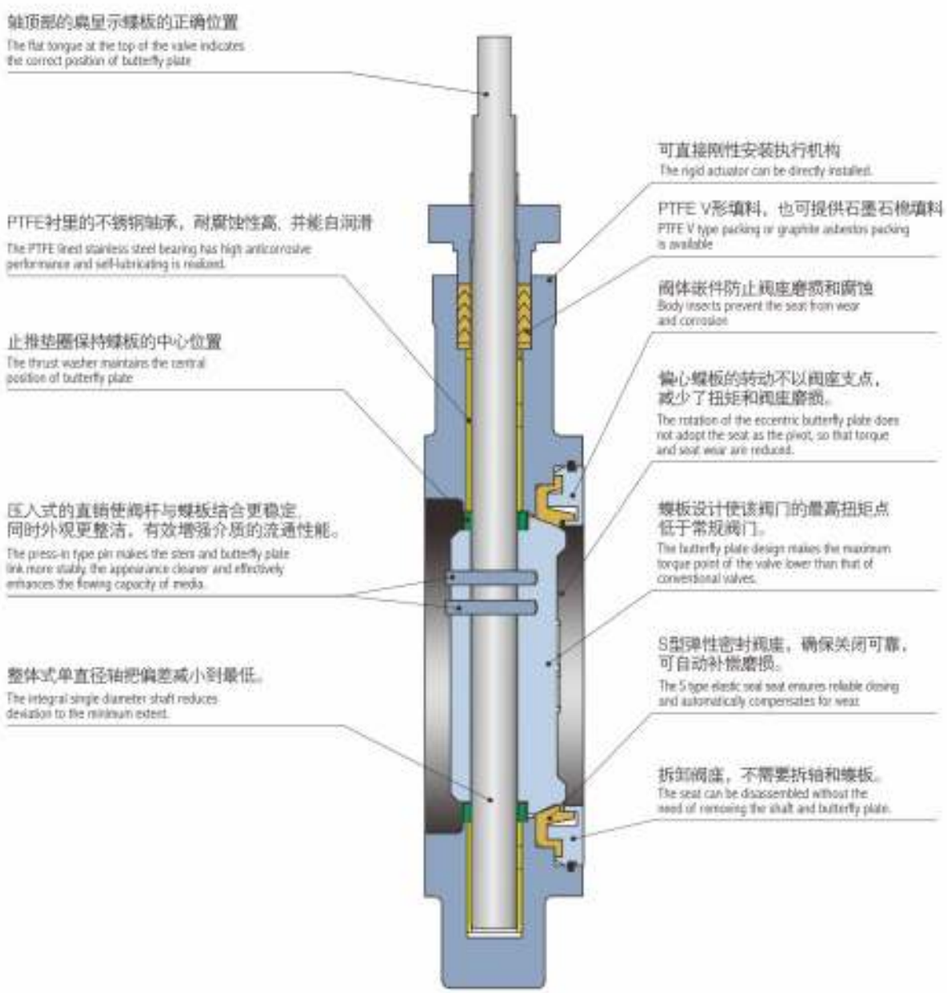
产品结构特征

Product structure features

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。

The ultra high performance double-eccentric butterfly valve can be used in working conditions and media for which conventional valves are suitable, and adopts different structure materials and special treatment materials according to different media. It can also be used in special working conditions such as cryogenic condition, steam, chlorine, oxygen, high vacuum, anticorrosive condition, etc.

阀门的整体结构 INTEGRAL STRUCTURE OF THE VALVE



独特的阀座密封结构

传统的中线蝶阀座衬氟或衬胶，而本公司采用的德国迈尔引进和自行研制改进的独立单一体的S型弹性密封阀座结构，使用了进口的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，保养快捷方便，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。

Unique Seat Sealing Structure

The traditional central line butterfly valve is lined with fluorine or rubber, but the S-shape elastic airproof seat structure independently researched and developed by our company through introducing technology from Germany MAYER adopts the imported RPTFE material with good elasticity and long working life. It can automatically compensate for the changes of temperature and pressure and can realize sealing compensation for the wear due to long-time opening, closing and use. It can realize double-direction sealing without any leakage as well. And it adopts mobile inserts structure, which its quick and easy to upkeep and convenient without the need of removing the butterfly plate and stem. The seat seat can be replaced and the sealing face can be repaired just through taking off the inserts at one side.

阀门关闭时蝶板使阀座稍稍变形，这一变形“激励”了阀座，阀座密封面的激励使它与蝶板的边缘保持持久的密封。

When the valve is closed, the butterfly plate makes the seat slightly deform. The deformation excites the seat and the seat seals. The stimulation of surface of the seat sealing enables permanent sealing to be maintained between the surface and the edges of the butterfly plate.



当嵌件侧受压时，压力被施加于唇缘的下方进一步加大了蝶板与阀座之间的密封力。

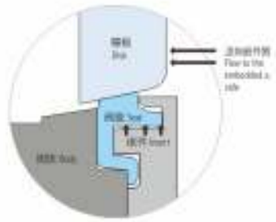
When the inserts receive pressure, the pressure is exerted at the bottom of the lip edge, which further increases the sealing force between the butterfly plate and seat.

阀座密封

ANSI/FCI 70-2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。

SEAT SEALING

ANSI/FCI 70-2 stipulated the control valve leakage level and test procedures. Among them, the VI level is the lowest leakage level. High performance wafer-style butterfly valve can reach the specification of MSS-SP61, which prescribed no bubble seal, higher than the VI level.



当压力施加于非嵌件的一侧时，蝶板被推向阀座。由于蝶板的轮廓呈球形。蝶板越向阀座推进，关闭就越紧密。唇缘与嵌件底部的槽接触，限制了阀座的过量移动。

When the pressure is exerted at the non-insert side, the butterfly plate is pushed towards the seat. As the butterfly plate is of the ball shape, the further the butterfly plate is pushed towards the seat, the tighter the closing will be. The consumen boarder of the lip edge and the bottom of the inserts, limits the excessive movement of the seat.



产品结构特征(续)

Product structure features (continued)

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。在阀门的使用现场发生火灾时，当聚四氟乙烯等非金属材料制作的阀座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。

FIREPROOF STRUCTURE

The fire-resistant butterfly valve is designed according to API607 standard and is subjected to fire test. If the fire occurs on spot, and the seal ring made of non-metal materials such as PTFE is decomposed or damaged under high temperature, the valve can instantly seal with the help of the structure of metal-aided inside pressure self-sealing, which can effectively prevent large amount of media from large amounts of leakage and fire spreading.

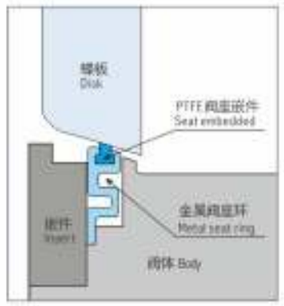
偏心阀轴和偏心蝶板的设计结构

阀杆采用符合国际标准的高强度不锈钢17-4PH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，能有效的控制蝶板定位，防止金属咬合，降低阀座与蝶板发生摩善的磨损，保证蝶阀开关频繁的可靠性，大大地减轻阀门开关的扭矩。

DESIGN STRUCTURE OF ECCENTRIC VALVE SHAFT AND ECCENTRIC BUTTERFLY PLATE

Design structure of eccentric valve shaft and eccentric butterfly plate The stem is made of high strength stainless steel 174PH that conforms to international standards. Each end of the shaft is provided with the stainless steel +RPTFE permanent self-lubricating bearing. Each end of the butterfly plate is provided with the thrust bush to effectively control the positioning of butterfly valve, avoid the metal jam, reduce the wear of the seat and butterfly plate, in order to guarantee the reliability of the opening and closing of the butterfly valve, which largely reduces the opening and closing torque of the valve.

火烧前
Before fire



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。

UNIQUE OPENING, CLOSING AND CONTROL STRUCTURE

For butterfly valves of 2"-6", the handle switch and approximate flow percentage control structure is adopted. The handle assembly gear plate approximate flow adjusting and locking function is provided and the switch limit device is also provided. For butterfly valves of 8" and above, they can reasonably choose suitable sets of worm wheel or electric or pneumatic actuator, according to different working conditions.

火烧时和火烧后
During fire and after fire



标准与规范

Standard and specification

特殊工况 SPECIAL WORKING CONDITIONS

蒸气工况 Steam working condition

本对夹式蝶阀，包括PTFE阀座的额定值较低的阀门到Peek阀座很适用于蒸气工况，在蒸气工况作开关用的阀门额定值如下表所列，根据轴材料的选用，额定值会减低。

Water type butterfly valves, including valves of PTFE seat with lower rated values and valves with Peek seat, are suitable for steam working condition. The rated values of valves used as a switch in the steam working condition are shown in the following table. The rated values may be decreased according to the selected different shaft materials.

氧气工况 Oxygen working condition

本阀门经过特殊处理可用于氧气工况进行断流和控制。在零部件准备、装配、试验和包装方面有一套严格的程序确保清洁，避免氧气与油脂和其它杂质起反应造成内部危险。

After special treatment, the valve can be used for shut-off and control in oxygen working condition. A series of strict procedures for spare parts preparation, assembly , test and packing is followed to ensure cleanliness, and avoid inherent danger caused by reaction of oxygen with grease and other impurities.

真空工况 Vacuum working condition

标准的对夹式蝶阀的额定密封可达到真空度2×10^{-2}托。也可提供真空度为2×10^{-4}托的特殊对夹式高真空阀门。此外特殊高真空阀门经确认在真空度为2×10^{-8}托时其氦泄漏率不超过2×10^{-10}CC/秒。

Standard water type butterfly valves are rated for tight shut-off of vacuum of $2x10^{-2}$ torr. Special high vacuum wafer valves can also be provided for vacuum of $2x10^{-5}$ torr. In addition, high-vacuum valves are confirmed to below $2x10^{-10}$CC/ sec.

高寿命的选择 Selection for high service life

包括增强PTFE轴密封、PEEK-增强PTFE止推轴承在内的零部件组合的阀门其使用寿命要大大高于普通阀门。当然，实际的性能取决于介质、压力和温度条件。氧、氮、氢、水及清洁介质使用这一组合是最为理想的。
注意：要避免含有酸、氯、溴、氧化硫、蒸汽介质及温度超过325°F(163°C)工况。

The service life of valves assembled by spare parts such as reinforced PTFE shaft seal, PEEK-reinforced PTFE thrust bearing, and etc. is much higher than that of ordinary valves. Certainly, the actual performances depend on the media, pressure and temperature and other conditions. It is the most ideal situation that the combination of oxygen, nitrogen, hydrogen, water and clean media is used.
Notice: try to avoid media and temperature such as acid, chlorine, bromine, sulfur dioxide and steam with temperature exceeding 325°F(163°C) in the working condition.

标准与规范 STANDARD AND SPECIFICATION

API 609	凸缘式和对夹式蝶阀 Flange type and wafer type butterfly valves
BS6755	英国阀门试验标准第二部分耐火试验要求 British valve testing standard part II fire testing requirements
MSS SP-25	阀门标准标记体系 Valve standard marking system
MSS SP-44	钢制管线法兰 Steel pipe flange
MSS SP-55	钢铸件质量标准 Quality standard for steel castings
MSS SP-61	钢阀门压力试验 Pressure testing of steel valves
MSS SP-69	阀门和连接件术语 Terminology for valves and connectors
ANSI B 31.3	化工厂和炼油厂管道 Chemical plant and refinery piping
ANSI B 31.8	气体传输和分配管道系统 Gas transportation and distribution pipe system
API 607	软密封阀门耐火试验 Soft seal valve fire test
API 598	阀门检验和试验 Valve inspecion and testing
ANSI B 16.10	铁素体类阀门面对面，端对端尺寸 Face-to-face and end-to-end dimensions of ferrite valves
ANSI B 16.5	钢管法兰和法兰连接件 Pipe flanges and flanged fittings
ANSI B 16.47	NPS26-NPS60大口径钢法兰 NPS26-NPS60 large diameter steel flange
ANSI B 16.34	法兰端和对焊端钢制阀门 Flange end and butt welding end steel valves
ANSI B 31.1	发电厂管道 Power plant pipes
ANSI B 31.4	无水氨和酒精，碳氢化合物输送系统 Anhydrous ammonia and alcohol, hydrocarbon transportation system
ANSI/FCI 70-2-1991	控制阀门阀座泄漏 Control valve seat leakage

额定值及阀门扭矩

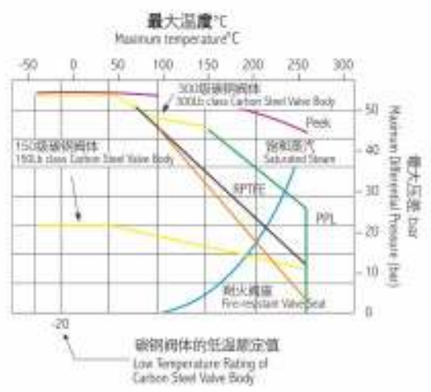
Rated value and valve torque

阀座额定值

曲线上表示的阀座额定值只对阀座而言，是基于阀门全闭是蝶阀两端的压差。这些额定值可作为通用条件下使用指南。依据以往经验，经过改进和变换其他阀座材料，使用的额定值可更高。对于特殊工况，请向FUJIAN HANDA咨询。

SEAT RATED VALUE

The seat rated values indicated on the curve are only for the seat. It is the differential pressure between the two ends of the butterfly valve when the valve is fully closed. These rated values can serve as instructions under general conditions. According to past experience, after updating and changing other seat materials, the rated value they use should be higher. For special working condition, please consult FUJIAN HANDA.



注意：
316不锈钢或20号合金阀杆的14"~60"(DN350~1500)的150级阀门的最大压力差为150psi
316不锈钢或20号合金阀门的3"~36"(DN80~900)的300级阀门的最大压力差为300psi

Note: The maximum differential pressure of valve of 316 stainless steel or 20# alloy stem, 14"-60" (DN350-1500), 150Lb is 150psi
The maximum differential pressure of valve of 316 stainless steel or 20# alloy stem, 3"-36" (DN80-900), 300Lb is 300psi

阀体额定值

阀体的最大工作压力和各种材料阀体的试验压力示于下面的阀体压力额定值表中。实际工况使用压力要根据阀座额定值来决定。

BODY RATED VALUE

The maximum working pressure of body and testing pressure of body of various materials are listed in the body pressure ratings table. The actual working pressure in the working conditions shall be decided according to the seat rated values.

150级阀体的额定值(bar)
Rated value of 150Lb body (bar)

温度°C Temperature	碳钢* Carbon steel	球铁* Ductile iron	316不锈钢 Stainless steel	20合金* 20# alloy	蒙乃尔 Monel
-20 to38	19.7	17.2	19.0	19.8	15.8
93	17.9	16.2	16.5	13.8	13.8
149	15.8	14.8	14.8	12.4	13.1
204	13.8	13.8	13.4	11.0	12.8
260	11.7	11.7	11.7	10.3	11.7
试验压力 Test pressure	31	27.6	29.3	24.1	24.1

300级阀体的额定值(bar)
Rated value of 300Lb body (bar)

温度°C Temperature	碳钢* Carbon steel	316不锈钢 Stainless steel	20合金* 20# alloy	蒙乃尔 Monel
-20 to38	51	49.6	41.4	41.1
93	46.5	42.7	35.9	36.5
149	45.2	38.6	32.1	34.1
204	43.8	35.5	29.0	33.1
260	41.4	33.1	26.9	32.8
试验压力 Test pressure	77.6	75.8	62	62

阀门尺寸 Size		150磅级扭矩，轴处于下游，T,M,U,X阀座 150Lb-in torque, downstream shaft, T, M, U, X seats					
		关闭压差 Closing differential pressure					
英寸 Inch	DN	Lb-ft@ 100psi	N.m@ 6.9bar	Lb-ft@ 200psi	N.m@ 13.8bar	Lb-ft@ 285psi	N.m@ 19.7bar
2	50	20.35	27.6	21.7	29.42	22.85	31
2-1/2	65	21	28	23	31	24	33
3	80	25	24	27	37	29	39
4	100	35	47	39	53	43	58
5	125	48	65	56	76	63	86
6	150	72	97	83	113	93	126
8	200	121	164	142	193	160	217
10	250	163	222	202	274	234	318
12	300	214	290	287	390	350	475
14	350	362	491	505	684	626	849
16	400	463	628	646	876	802	1087
18	450	602	816	844	1144	1050	1423
20	500	810	1098	1140	1546	1421	1926
24	600	1234	1673	1758	2384	2200	2983
28	700	1945	2637	2570	3484	3100	4202
30	750	2170	2942	2940	3986	3595	4873
32	800	3318	4498	4548	6166	5474	7422
36	900	3530	4786	4860	6589	5990	8121
42	1050	5780	7837	8060	10928	10000	13558
48	1200	9170	12433	12840	17409	15960	21638
56	1350	12950	17558	17900	24269	22110	29977
60	1500	19020	25790	26040	35310	32000	43397

阀门尺寸 Size		300磅级扭矩，轴处于下游，T,M,U,X阀座 300Lb-in torque, downstream shaft, T, M, U, X seats											
		关闭压差 Closing differential pressure											
英寸 Inch	DN	Lb-ft@ 300psi	N.m@ 20.7bar	Lb-ft@ 400psi	N.m@ 27.6bar	Lb-ft@ 500psi	N.m@ 34.5bar	Lb-ft@ 600psi	N.m@ 41.4bar	Lb-ft@ 700psi	N.m@ 48.3bar	Lb-ft@ 740psi	N.m@ 51bar
2	50	24	33	26	35	28	37	29	40	31	42	32	43
2-1/2	65	27	36	29	39	31	42	33	45	35	48	36	49
3	80	31	42	34	46	38	51	41	55	44	60	45	62
4	100	52	70	58	79	65	88	72	97	78	106	81	110
5	125	105	143	124	168	142	193	160	217	179	242	186	252
6	150	119	161	138	188	158	214	178	241	197	267	205	278
8	200	231	313	271	368	312	422	352	477	392	532	408	553
10	250	354	480	422	572	490	664	557	756	625	848	652	885
12	300	492	667	582	790	673	912	764	1035	854	1158	890	1207
14	350	824	1117	1012	1372	1200	1627	1388	1882	1576	2137	1651	2239
16	400	989	1341	1212	1643	1435	1946	1658	2248	1881	2550	1970	2671
18	450	1279	1734	1562	2118	1845	2501	2128	2885	2411	3269	2524	3422
20	500	1707	2314	2096	2842	2485	3369	2874	3897	3263	4424	3419	4635
24	600	2309	3131	2832	3840	3355	4549	3878	5258	4401	5967	4610	6251
28	700	3990	5410	4820	6535	5650	7660	6480	8786	7310	9911	7642	10361
30	750	4210	5708	5080	6887	5950	8067	6820	9247	7690	10426	8038	10898
32	800	6570	8908	7960	10792	9350	12677	10740	14561	12130	16446	12686	17200
36	900	7220	9789	8760	11877	10300	13965	11840	16053	13380	18141	13996	18976

阀门尺寸 Size		150磅级扭矩，轴处于下游，防火阀座 150Lb-in torque, downstream shaft, fire-resistant seat					
		关闭压差 Closing differential pressure					
英寸 Inch	DN	Lb-ft@ 100psi	N.m@ 6.9bar	Lb-ft@ 200psi	N.m@ 13.8bar	Lb-ft@ 285psi	N.m@ 19.7bar
2-1/2	65	42	57	45	61	47	64
3	80	53	72	57	77	59	81
4	100	67	91	74	100	80	108
5	125	97	132	114	155	128	174
6	150	131	178	152	206	170	230
8	200	218	296	256	347	288	391
10	250	333	452	406	550	468	635
12	300	908	589	636	862	745	1010
14	350	604	819	758	1028	889	1205
16	400	710	963	920	1247	1099	1489
18	450	970	1315	1370	1857	1710	2318
20	500	1390	1885	1980	2685	2482	3364
24	600	2050	2779	2700	3661	2200	2983
30	750	2920	3959	3940	5342	4807	6517
36	900	3530	4786	4960	6725	5990	8121
42	1050	5620	7620	7440	10087	10000	13558
48	1200	8800	11931	12100	16405	14905	20208

阀门尺寸 Size		300磅级扭矩，轴处于下游，防火阀座 300Lb-in torque, downstream shaft, fire-resistant seat											
		关闭压差Closing differential pressure											
英寸 Inch	DN	Lb-ft@ 200psi	N.m@ 20.7bar	Lb-ft@ 400psi	N.m@ 27.6bar	Lb-ft@ 500psi	N.m@ 34.5bar	Lb-ft@ 600psi	N.m@ 41.4bar	Lb-ft@ 700psi	N.m@ 48.3bar	Lb-ft@ 740psi	N.m@ 51bar
3	80	57	77	58	79	60	81	61	83	63	85	63	86
4	100	86	117	94	127	102	138	110	149	118	160	121	164
6	150	189	256	212	287	235	319	258	350	281	381	290	394
8	200	313	424	354	480	395	536	436	591	477	647	493	669
10	250	464	629	522	708	580	786	638	865	696	944	719	975
12	300	825	1119	960	1302	1095	1485	1230	1668	1365	1851	1419	1924
14	350	922	1250	1076	1459	1230	1668	1384	1877	538	2085	1600	2169
16	400	1170	1586	1396	1885	1610	2183	1830	2481	2050	2779	2138	2899
18	450	1980	2685	2440	3308	2900	3932	3360	4556	3820	5179	4004	5429
20	500	2880	3796	3460	4691	4120	5586	4780	6481	5400	7376	5704	7734
24	600	4400	5966	5400	7321	6400	8677	7400	10033	8400	11389	8800	11931

流量参数

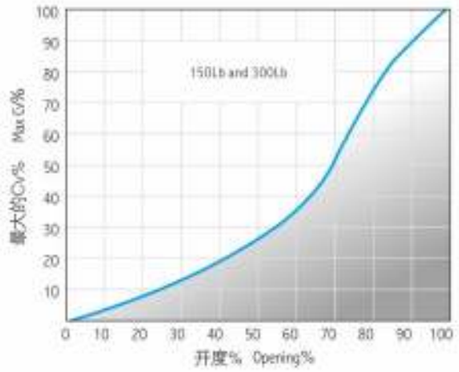
Flow parameters

下表提供了150磅级和300磅级蝶阀的流量系数。Cv值表示压差为1磅/英寸2（0.07巴），温度为60°F（15.6℃）时每分钟流过全开启阀门的水流量，单位为美国加仑数/分钟。

The flow coefficient of 150Lb and 300Lb butterfly valves is listed in the following table: Cv value indicates water flow per minute that passes through the fully opened valve when the differential pressure is 1psi (0.07bar) and the temperature is 60° F (15.6°C), and its unit is USgal/min.

150Lb		
阀门尺寸 Size		Cv
英寸 Inch	DN	
2-1/2	65	78
3	80	165
4	100	400
5	125	650
6	150	1,050
8	200	2,200
10	250	3,300
12	300	5,100
14	350	5,800
16	400	8,000
18	450	10,500
20	500	14,000
24	600	21,600
28	700	29,487
30	750	34,000
32	800	39,585
36	900	55,500
42	1050	82,650
48	1200	108,300
54	1350	133,500
60	1500	159,000

300Lb		
阀门尺寸 Size		Cv
英寸 Inch	DN	
3	80	165
4	100	400
6	150	1,050
8	200	1,800
10	250	3,150
12	300	4,750
14	350	5,200
16	400	6,900
18	450	9,300
20	500	11,300
24	600	18,500
30	750	29,100
36	900	47,500



为确定中间位置阀门的Cv值：

To confirm Cv value of the valve at the middle position:

1. 从曲线表中确定最大Cv值的百分率
2. 将曲线表中的最大Cv值的百分率乘以流量数据表中的Cv值.

1. Confirm the percentage of the maximum Cv value from the curve
2. Multiply the percentage of the maximum Cv value from the curve by the Cv value from the flow datasheet

例如：6"(DN150)150级蝶阀70%开度时的Cv值为：

(1) 从曲线表中确定6"(DN150)150级蝶阀70%开度时的最大Cv值的百分率为53%.

(2) 53%的最大Cv值为，Cv值=0.53×1050=560

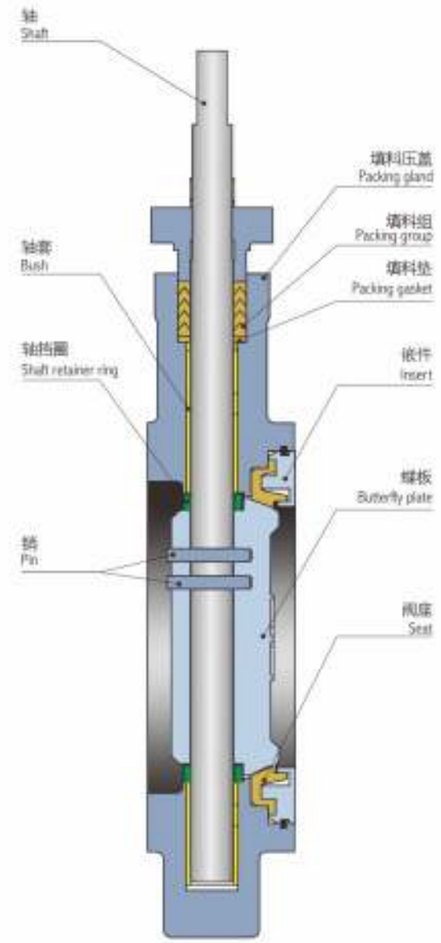
For example: The Cv value of the butterfly valve of 6"(DN150), 150Lb under opening of 70% is:

(1) Confirm the percentage of the maximum Cv value of the butterfly valve of 6"(DN150), 150Lb under opening of 70% is 53%.

(2) The maximum Cv value is: Cv value=0.53 × 1050=560

零件材料明细表

Table of materials for spare parts

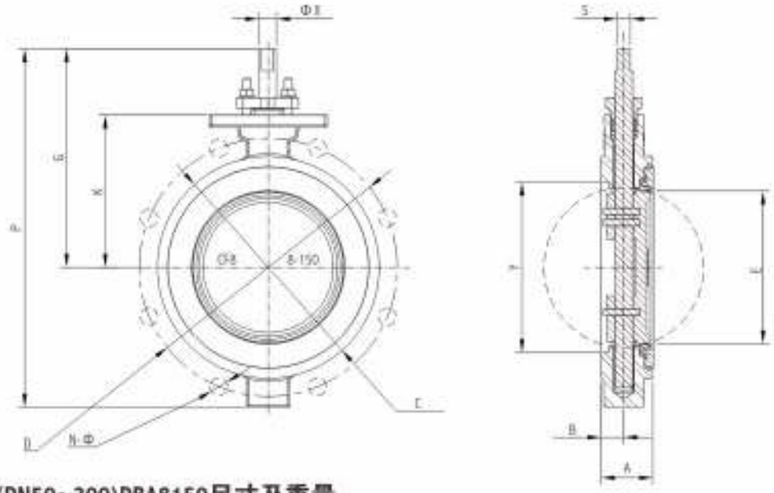


序号 NO.	零件名称 Part name	150磅级和300磅级 150Lb and 300Lb		
		201734	341734	361736
1	阀体 Valve body	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
2	蝶板 Butterfly plate	ASTM A351 CF8	ASTM A351 CF8	ASTM A351 CF8M
3	嵌件 Insert	碳钢 Carbon steel	316	316
4	阀座 Valve seat	RPTFE或 PPL		
5	轴 Shaft	17-4PH	17-4PH	17-4PH
6	填料压盖 Packing gland	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M

序号 NO.	零件名称 Part name	150磅级和300磅级 150Lb and 300Lb		
		201734	341734	361736
7	填料组 Packing group		RPTFE或石墨 RPTFE or graphite	
8	填料垫 Packing pad	316	316	316
9	轴套 Axle sleeve		316+RPTFE	
10	轴挡圈 Shaft collar	316	316	316
11	销 Pin	17-4PH	17-4PH	17-4PH
12	螺栓，螺母 Bolt, nut	碳钢 Carbon steel	不锈钢 Stainless steel	不锈钢 Stainless steel

对夹式蝶阀

Wafer type butterfly valve



2"~12"(DN50~300)DBA8150尺寸及重量

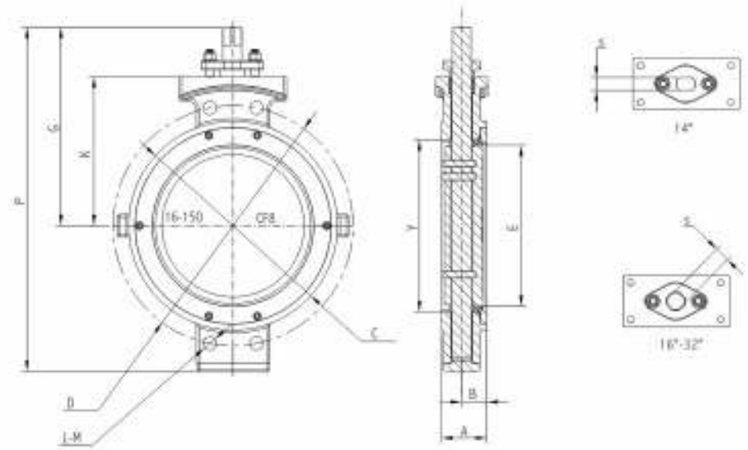
2"~12"(DN50~300)DBA8150 Size & Weight

阀门规格 Size		美标法兰150Lb American standard flange 150Lb		国标法兰GB PN16 National standard flange GB PN16		日标法兰JIS 10K Japanese standard flange JIS 10K	
NPS	DN	D	N-Φ	D	N-Φ	D	N-Φ
2"	50	Φ120.7	4-Φ19	Φ125	4-Φ18	Φ120	4-Φ19
2.5"	65	Φ139.7	4-Φ19	Φ145	8-Φ18	Φ140	4-Φ19
3"	80	Φ152.4	4-Φ19	Φ160	8-Φ18	Φ150	8-Φ19
4"	100	Φ190.5	8-Φ19	Φ180	8-Φ18	Φ175	8-Φ19
5"	125	Φ215.9	8-Φ22	Φ210	8-Φ18	Φ210	8-Φ23
6"	150	Φ241.3	8-Φ22	Φ240	8-Φ23	Φ240	8-Φ23
8"	200	Φ298.5	8-Φ22	Φ295	12-Φ23	Φ290	12-Φ23
10"	250	Φ362	12-Φ25	Φ355	12-Φ25	Φ355	12-Φ25
12"	300	Φ431.8	12-Φ25	Φ410	12-Φ25	Φ400	16-Φ25

阀门规格 Size (DN)	近似尺寸Approximate size (毫米mm)										近似重量 Weight (kg)
	A	B	C	E	G	K	P	S	X	Y°	
50	43	20	96	38	124.3	80	186.3	7	10	50	3.2
65	49	22	119	59	194	111	275	11.2	14.8	75	5
80	49	22	132	73	203	121	297	11.2	14.8	89	6
100	54	24	157	95	216	140	326	11.2	14.8	115	8
125	56	26	186	111	217	135	345	11.2	14.8	141	12
150	57	24	216	142	235	152	378	14	18	159	13
200	64	28	274	188	270	187	441	15.9	21.9	210	20
250	72	31	330	236	329	232	530.6	20.6	28	254	35
300	81	34	386	282	357	260	595.5	23.6	33.3	305	51

以上数据仅供参考，具体数据可在询价时索要小样图

The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry.



L=阀体螺孔数量
M=阀体螺栓规格

L = Number of Valve Body Bolt Holes
M = Valve Body Bolt Specification downstream shaft, fire-resistant seat

14"~40"(DN350~1000)DBA8150尺寸及重量

14"~40"(DN350~1000)DBA8150 Size & Weight

阀门规格 Size		美标法兰150Lb American standard flange 150Lb			国标法兰GB PN16 National standard flange GB Pe16			日标法兰JIS 10K Japanese standard flange JIS 10K		
NPS	DN	D	N-Φ	L-M	D	N-Φ	L-M	D	N-Φ	L-M
14"	350	Φ476.3	12-Φ30	-	Φ470	16-Φ26	-	Φ445	16-Φ25	-
16"	400	Φ539.8	16-Φ30	4-Φ30	Φ525	16-Φ30	4-Φ30	Φ510	16-Φ27	4-Φ27
18"	450	Φ577.9	16-Φ33	4-Φ33	Φ585	20-Φ30	4-M27	Φ565	20-Φ27	4-M24
20"	500	Φ635	20-Φ33	4-M30	Φ650	20-Φ33	4-M30	Φ620	20-Φ27	4-M24
24"	600	Φ749.3	20-Φ35	4-M33	Φ770	20-Φ36	4-M33	Φ730	24-Φ33	4-M30
28"	700	Φ863.6	28-Φ35	4-M33	Φ840	24-Φ36	4-M33	Φ840	24-Φ33	4-M30
30"	750	Φ914.4	28-Φ35	4-M33	-	-	-	Φ900	24-Φ33	4-M30
32"	800	Φ977.9	28-Φ41	4-M39	Φ950	24-Φ39	4-M36	Φ950	28-Φ33	4-M30
36"	900	Φ1085.8	32-Φ42	4-M39	Φ1050	28-Φ39	4-M36	Φ1050	28-Φ33	4-M30
40"	1000	Φ1200.2	36-Φ42	4-M39	Φ1170	28-Φ42	4-M39	Φ1160	28-Φ39	4-M36

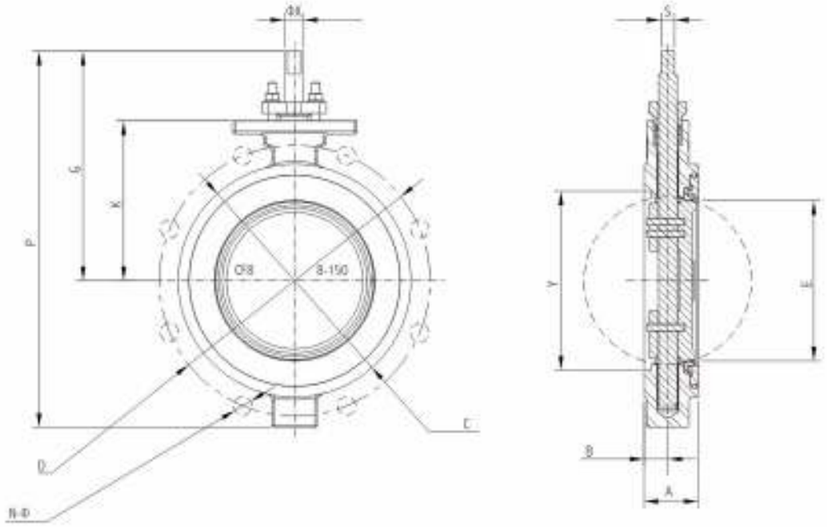
阀门规格 Size (DN)	近似尺寸Approximate size (毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	Y		
350	92	52	416	Φ476.3	314	415	315	Φ29	-	710	28.7	343	66	
400	102	56	474	Φ539.8	363	446	335	Φ30	4	767	33.3	388	99	
450	114	67	538	Φ577.9	414	466	355	Φ33	4	812	41.4	445	130	
500	127	67	584	Φ635	456	482	377	M30	4	879	41.4	495	170	
600	154	76	693	Φ749.3	549	620	490	M33	4	1094	51	597	296	
700	165	87	800	Φ863.6	682	687	530	M33	4	1216	60	713	340	
750	190	87	900	Φ914.4	702	727	570	M39	4	1285	60	740	-	
800	190	87	905	Φ977.9	753	722	565	M39	4	1305	60	800	465	
900	203	102	1022	Φ1086	885	817	660	M39	4	1456	70	905	656	
1000	216	101	1124	Φ1200.2	972	893	713	M39	4	1580	80	1005	-	

以上数据仅供参考，具体数据可在询价时索要小样图

The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry.

对夹式蝶阀

Wafer type butterfly valve



2"~12"(DN50~300)DBA8300尺寸及重量

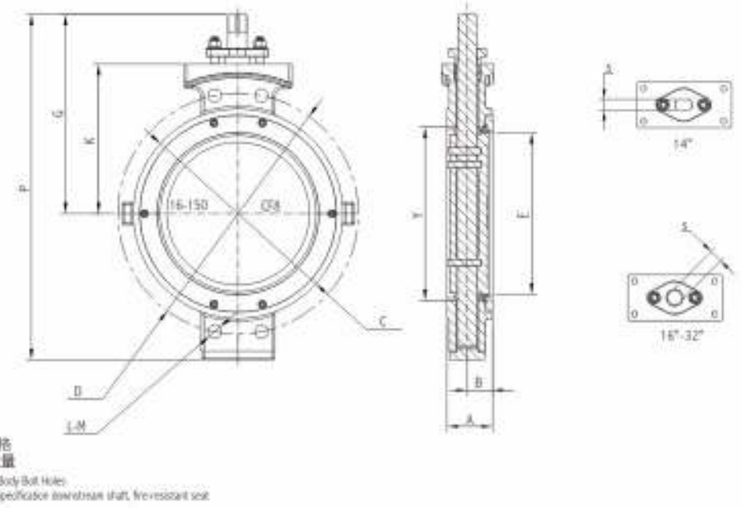
2"~12"(DN50~300)DBA8300 Size & Weight

阀门规格 Size		美标法兰300Lb American standard flange 300Lb			国标法兰GB PN40 National standard flange GB PN40			日标法兰JIS 20K Japanese standard flange JIS 10K		
NPS	DN	D	N-Φ	L-M	D	N-Φ	L-M	D	N-Φ	L-M
2"	50	Φ127	8-Φ19	-	Φ125	4-Φ18	-	Φ120	8-Φ19	-
2.5"	65	Φ149.2	8-Φ22	-	Φ145	8-Φ18	-	Φ140	8-Φ19	-
3"	80	Φ168.3	8-Φ22	-	Φ160	8-Φ18	-	Φ160	8-Φ23	-
4"	100	Φ200	8-Φ22	-	Φ190	8-Φ22	-	Φ185	8-Φ23	-
5"	125	Φ235	8-Φ22	-	Φ220	8-Φ26	-	Φ225	8-Φ25	-
6"	150	Φ269.9	12-Φ22	-	Φ250	8-Φ26	-	Φ260	12-Φ25	-
8"	200	Φ330.2	12-Φ25	-	Φ320	12-Φ30	-	Φ305	12-Φ25	-
10"	250	Φ387.4	16-Φ29	4-M27	Φ385	12-Φ33	4-M30	Φ380	12-Φ27	4-M24
12"	300	Φ450.8	16-Φ32	4-M30	Φ450	16-Φ33	4-M30	Φ430	16-Φ27	4-M24

阀门规格 Size (DN)	近似尺寸Approximate size(毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	X	Y	
50	43	20	96	Φ127	38	124.3	80	-	-	186.3	7	10	90	3.2
65	49	22	119	Φ149.2	59	154	111	-	-	275	11.2	14.8	75	5
80	49	22	132	Φ168.3	73	203	121	-	-	316	11.2	14.8	89	6
100	54	24	157	Φ200	95	216	140	-	-	341	11.2	14.8	115	8
125	56	26	186	Φ235	111	217	135	-	-	362	11.2	14.8	141	12
150	59	25	216	Φ269.9	142	257	175	-	-	413	15.9	21.9	159	15
200	73	34	270	Φ330.2	188	306	213	-	-	495	20.6	28	210	27
250	83	38	324	Φ387.4	236	353	254	M27	4	592	23.8	33.3	254	48
300	92	42	381	Φ450.8	282	389	283	M30	4	675	28.7	37	305	66

以上数据仅供参考，具体数据可在询价时索要小样图

The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry.



L=阀体螺孔规格
M=阀体螺栓数量

L = Number of Valve Body Bolt Holes
M = Valve Body Bolt Specification downstream shaft, fire-resistant seat

14"~24"(DN350~600)DBA8300尺寸及重量

14"~24"(DN350~600)DBA8300 Size & Weight

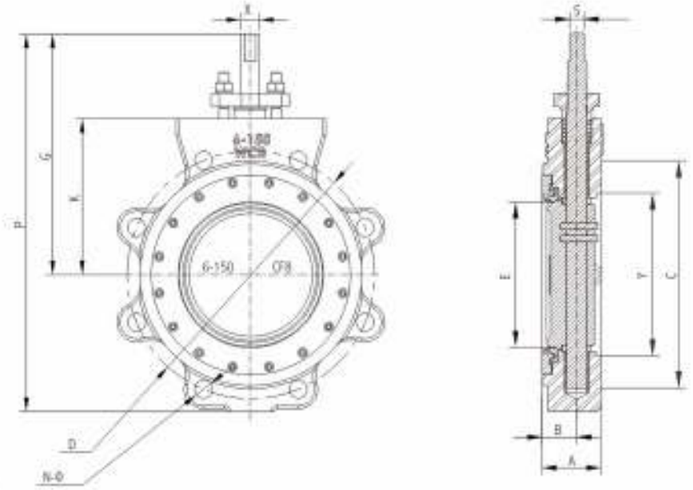
阀门规格 Size		美标法兰300Lb American standard flange 300Lb			国标法兰GB PN40 National standard flange GB PN40			日标法兰JIS 20K Japanese standard flange JIS 20K		
NPS	DN	D	N-Φ	L-M	D	N-Φ	L-M	D	N-Φ	L-M
14"	350	Φ514.4	20-Φ33	4-M30	Φ510	16-Φ36	4-M33	Φ480	16-Φ33	4-M30
16"	400	Φ571.5	20-Φ35	4-M33	Φ585	16-Φ39	4-M36	Φ540	16-Φ33	4-M30
18"	450	Φ628.6	24-Φ35	4-M33	Φ610	20-Φ39	4-M36	Φ605	20-Φ31	4-M30
20"	500	Φ685.8	24-Φ35	4-M33	Φ670	20-Φ42	4-M39	Φ660	20-Φ33	4-M30
24"	600	Φ812.8	24-Φ42	4-M39	Φ795	20-Φ48	4-M45	Φ770	24-Φ39	4-M36

阀门规格 Size (DN)	近似尺寸Approximate size(毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	X	Y	
350	118	59	413	Φ514.4	314	427	325	M30	4	738	41.4	50	337	167
400	133	62	470	Φ571.5	363	452	350	M33	4	791	41.4	50	388	195
450	149	75	535	Φ628.6	414	542	424	M33	4	955	51	64	445	324
500	162	81	584	Φ685.8	455	576	446	M33	4	1075	51	64	493	406
600	184	92	692	Φ812.8	549	646	501	M39	4	1151	60	80	578	631

以上数据仅供参考，具体数据可在询价时索要小样图

The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry.

单法兰蝶阀
Single flange butterfly valve



L =阀体螺孔数量
M=阀体螺栓规格

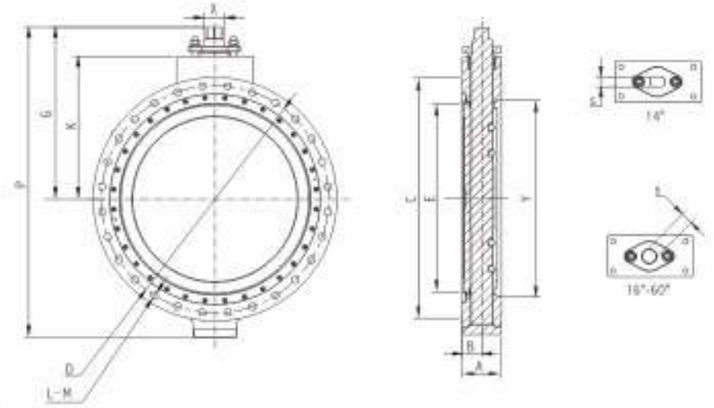
L = Number of Valve Body Bolt Holes
M = Valve Body Bolt Specification downstream shaft, fire-resistant seat

2-1/2"~12"(DN65~300)DBA5150尺寸及重量
2-1/2"~12"(DN65~300)DBA5150 Size & Weight

阀门规格 Size		美标法兰150Lb American standard flange 150Lb		国标法兰GB PN16 National standard flange GB PN16		日标法兰JIS 10K Japanese standard flange JIS 10K	
NPS	DN	D	N-Φ	D	N-□	D	N-Φ
2.5"	65	Φ139.7	4-M16	Φ145	8-M16	Φ140	4-M16
3"	80	Φ152.4	4-M16	Φ160	8-M16	Φ150	8-M16
4"	100	Φ190. 5	8-M16	Φ180	8-M16	Φ175	8-M16
5"	125	Φ215.9	8-M20	Φ210	8-M16	Φ210	8-M20
6"	150	Φ241.5	8-M20	Φ240	8-M20	Φ240	8-M20
8"	200	Φ298.5	8-M20	Φ295	12-M20	Φ290	12-M20
10"	250	Φ362	12-M22	Φ355	12-M24	Φ355	12-M22
12"	300	Φ431.8	12-M24	Φ410	12-M24	Φ400	16-M22

阀门规格 Size (DN)	近似尺寸Approximate size(毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	X	Y°	
65	49	27	105	Φ139.7	59	194	111	M16	4	275	11.2	14.8	75	6.4
80	49	27	132	Φ152.4	73	203	121	M16	4	316	11.2	14.8	89	8
100	54	30	157	Φ190.5	95	216	133	M16	8	341	11.2	14.8	115	11
125	56	30	186	Φ215.9	111	217	135	M20	8	341	11.2	14.8	141	18
150	57	33	216	Φ241.5	142	235	152	M20	8	384	14	18	159	18.2
200	64	36	270	Φ298.5	188	270	187	M20	8	464	15.9	21.9	210	31
250	72	41	324	Φ362	236	325	232	M24	12	560	20.6	28	254	422
300	81	48	381	Φ431.8	282	359	260	M24	12	632	23.8	33.3	305	64.8

以上数据仅供参考，具体数据可在询价时索要小样图
The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry



L =阀体螺孔数量
M=阀体螺栓规格

L = Number of Valve Body Bolt Holes
M = Valve Body Bolt Specification downstream shaft, fire-resistant seat

14"~24"(DN350~600)DBA5150尺寸及重量
14"~24"(DN350~600)DBA5150 Size & Weight

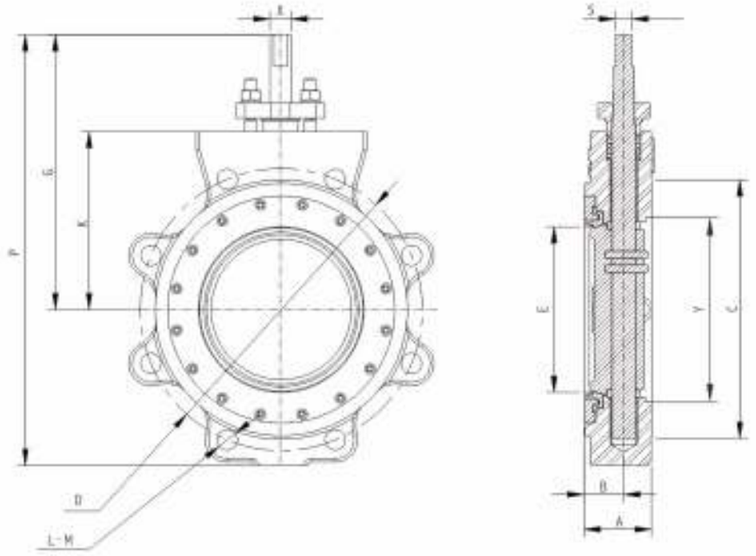
阀门规格 Size		美标法兰150Lb American standard flange 150Lb		国标法兰GB PN16 National standard flange GB PN16		日标法兰JIS 10K Japanese standard flange JIS 10K	
NPS	DN	D	L-M	D	L-M	D	L-M
14	350	Φ476.3	12-M27	Φ470	16-M24	Φ445	16-M22
16	400	Φ539.8	16-M27	Φ525	16-M27	Φ510	16-M24
18	450	Φ577.9	16-M30	Φ585	20-M27	Φ565	20-M24
20	500	Φ635.0	20-M30	Φ650	20-M30	Φ620	20-M24
24	600	Φ749.3	20-M33	Φ770	20-M33	Φ730	24-M30
26	650	Φ806.4	24-M33	-	-	Φ780	24-M30
28	700	Φ863.6	28-M33	Φ840	24-M33	Φ840	24-M30
30	750	Φ914.4	28-M33	-	-	Φ900	24-M30
32	800	Φ977.9	28-M39	Φ950	24-M36	Φ950	28-M30
36	900	Φ1085.8	32-M39	Φ1050	28-M36	Φ1050	28-M30
42	1050	Φ1257.3	36-M39	-	-	-	-
48	1200	Φ1422.4	44-M39	Φ1390	32-M45	Φ1380	32-M36
56	1350	Φ1651.0	48-M45	-	-	Φ1540	36-M42
60	1500	Φ1759.0	52-M45	-	-	Φ1700	40-M42

阀门规格 Size (DN)	近似尺寸Approximate size(毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	X	Y°	
350	92	52	413	Φ476.3	314	394	309	M27	12	705	28.7	37	354	105
400	102	56	470	Φ539.8	363	446.4	335.4	M27	16	766.7	33.45	42	388	163
450	114	67	533	Φ577.9	414	449	356	M30	16	802	41.4	47	445	205
500	127	67	584	Φ635.0	496	467	378	M30	20	842	41.4	50	495	270
600	154	76	692	Φ749.3	549	607	490	M33	20	1161	51	64	597	437
750	167	87	857	Φ914.4	702	697	570	M33	28	1307	60	80	737	741
900	184	92	1108	Φ1085.8	886	794	660	M39	32	1432	60	95	923	1189
1050	222	114	1194	Φ1257.3	1016	1067	737	M39	36	1731	1020ia.*	127	1080	1724
1200	254	130	1359	Φ1422.4	1168	1130	845	M39	44	1953	1270ia.*	140	1200	2117
1350	267	133	1511	Φ1651.0	1329	1248	953	M45	48	2178	1520ia.	152	1352	2631
1500	292	146	1676	Φ1759.0	1472	1391	1045	M45	52	2423	1520ia.*	165	1500	3175

以上数据仅供参考，具体数据可在询价时索要小样图
The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry

单法兰蝶阀

Single flange butterfly valve



L=阀体螺孔数量
M=阀体螺栓规格

L = Number of Valve Body Bolt Holes
M = Valve Body Bolt Specification downstream shaft, fire-resistant seat

3"~12"(DN 80~300)DBA5300尺寸及重量

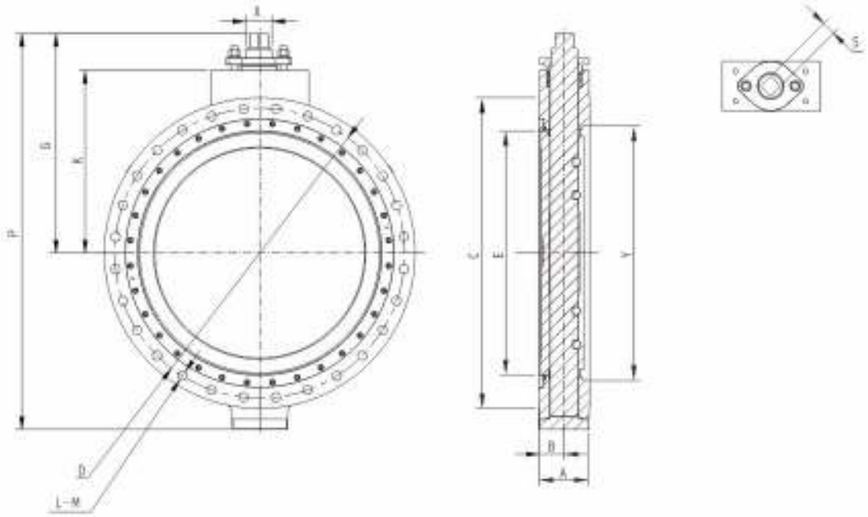
3"~12"(DN 80~300)DBA5300 Size & Weight

阀门规格 Size		美标法兰300Lb American standard flange 300Lb		国标法兰GB PN40 National standard flange GB PN40		日标法兰JIS 20K Japanese standard flange JIS 20K	
NPS	DN	D	L-M	D	L-M	D	L-M
3"	80	Φ168.3	8-M20	Φ160	8-M16	Φ160	8-M20
4"	100	Φ200	8-M20	Φ190	8-M20	Φ185	8-M20
6"	150	Φ269.9	12-M20	Φ250	8-M24	Φ260	12-M22
8"	200	Φ330.2	12-M24	Φ320	12-M27	Φ305	12-M22
10"	250	Φ387.4	16-M27	Φ385	12-M30	Φ380	12-M24
12"	300	Φ450.8	16-M30	Φ450	16-M30	Φ430	16-M24

阀门规格 Size (DN)	近似尺寸Approximate size(毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	X	Y°	
80	49	27	132	Φ168.3	73	203	121	M20	8	316	11.2	14.8	89	9
100	54	30	157	Φ200	95	216	133	M20	8	341	11.2	14.8	115	13
150	59	34	216	Φ269.9	142	257	175	M20	12	413	15.9	21.9	159	24
200	73	40	270	Φ330.2	188	306	213	M24	12	495	20.6	28	210	42
250	83	44	324	Φ387.4	236	353	254	M27	16	592	23.8	33.3	254	73
300	92	50	381	Φ450.8	282	389	285	M30	16	675	28.7	37	305	100

以上数据仅供参考，具体数据可在询价时索要小样图

The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry.



L=阀体螺孔数量
M=阀体螺栓规格

L = Number of Valve Body Bolt Holes
M = Valve Body Bolt Specification downstream shaft, fire-resistant seat

14"~24"(DN 350~600)DBA5300尺寸及重量

14"~24"(DN 350~600)DBA5300 Size & Weight

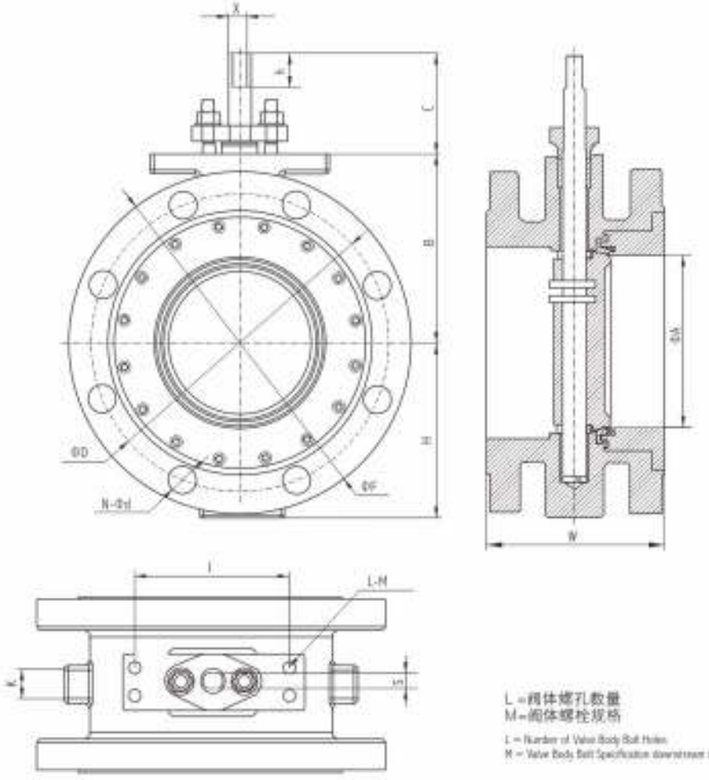
阀门规格 Size		美标法兰300Lb American standard flange 300Lb		国标法兰GB PN40 National standard flange GB PN40		日标法兰JIS 20K Japanese standard flange JIS 20K	
NPS	DN	D	L-M	D	L-M	D	L-M
14"	350	Φ514.4	20-M30	Φ510	16-M33	Φ480	16-M30
16"	400	Φ571.5	20-M33	Φ585	16-M36	Φ540	16-M30
18"	450	Φ628.6	24-M33	Φ610	20-M36	Φ605	20-M30
20"	500	Φ685.8	24-M33	Φ670	20-M39	Φ660	20-M30
24"	600	Φ812.8	24-M39	Φ795	20-M45	Φ770	24-M36

阀门规格 Size (DN)	近似尺寸 Approximate size(毫米mm)													近似重量 Weight (kg)
	A	B	C	D	E	G	K	M	L	P	S	X	Y	
350	118	59	413	514	314	417	325	M30	20	730	41.4	50	337	253
400	133	62	470	572	363	440	651	M33	20	781	41.5	50	388	328
450	149	75	533	629	414	542	424	M33	24	960	51	64	445	503
500	162	81	584	686	455	574	447	M33	24	1015	51	64	493	648
600	184	92	692	813	549	634	501	M39	24	1141	60	80	578	984

以上数据仅供参考，具体数据可在询价时索要小样图

The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry.

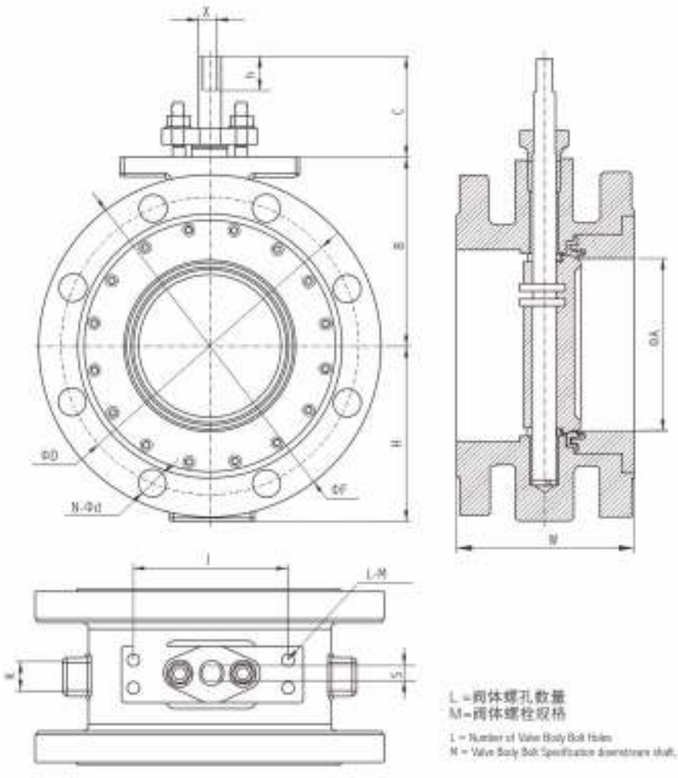
双法兰蝶阀
Double flanged butterfly valve



3"~14"(DN 80~350)DBA4150尺寸及重量
3"~14"(DN 80~350)DBA4150 Size & Weight

阀门规格 Size	B150 CLASS 150 近似尺寸 Approximate size 毫米(mm)														
	ΦA	B	H	C	ΦF	W	ΦD	Φd	N	ΦX	S	h	J	K	L-M
3"	73.1	120.7	93.7	82	190	114	152.4	19	4	14.8	11.2	27	125.4	22.4	4-M10
4"	95.6	133.4	110	82	230	127	190.5	19	8	14.8	11.2	27	125.4	22.4	4-M10
5"	111.4	134.9	126.5	82	255	140	215.9	22	8	14.8	11.2	27	125.4	22.4	4-M10
6"	141.7	152.4	143.4	82	280	140	241.3	22	8	18	14	27	125.4	22.4	4-M10
8"	188	187.3	172	82	345	152	298.5	22	8	21.9	15.9	27	125.4	22.4	4-M10
10"	235.9	231.8	202	97	405	165	362	26	12	28	20.6	27	142.8	37.4	4-M12
12"	281.5	260.4	238.1	97	485	178	431.8	26	12	33.3	23.8	33	142.8	37.4	4-M12
14"	315.3	315	294.6	100	535	190	476.3	29	16	37	28.7	41	142.8	37.4	4-M16

以上数据仅供参考，具体数据可在询价时索要小样图
The above date only for reference, and the detailed parameters in the sample drawing when you make an inquiry



16"~60"(DN 400~800)DBA4150尺寸及重量
16"~60"(DN 400~800)DBA4150 Size & Weight

阀门规格 Size	B150 CLASS 150 近似尺寸 Approximate size 毫米(mm)														
	ΦA	B	H	C	ΦF	W	ΦD	Φd	N	ΦX	S	h	J	K	L-M
16"	362.8	335.3	330	111	595	216	539.8	29	16	42	33.5	41	203.2	82.6	4-M16
18"	413.3	356.2	345	111	635	222	577.9	32	16	47	41.4	41	203.2	82.6	4-M16
20"	454.9	377.1	387	115	700	229	635	32	20	50	41.4	41	203.2	82.6	4-M16
24"	548.8	489.8	474	130	815	267	749.3	35	20	64	51	51	254	107.7	4-M20
28"	682	567	524	157	925	292	863.6	35	28	80	60	51	254	107.7	4-M20
32"	702	570	530	157	985	318	914.4	35	28	80	60	51	254	107.7	4-M20

以上数据仅供参考，具体数据可在询价时索要小样图
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金属密封蝶阀产品技术说明

Metal seal butterfly valve product technical description

前言

热力管网和石化系统的大部分阀门，主要用来对介质进行截断与调节，这部分阀门在整个系统中所占比重大、用量多，要求阀门经久耐用，同时应能在介质正向流时进行调节与截断，在压差变换或检修时又可以防止介质倒流，即要求拥有双向切断功能。

目前主要应用于石油、天然气、煤气等介质较为重要的管线，在一般管网，特别是水系统应用的热力管网中全焊接球阀居多，但是全焊接球阀产品体型庞大，结构长度长，采用实心球的产品自身重量较重，管道要承载几乎整个阀门的重力载荷，而且价格成本较高。为此我公司针对这一工况问题，结合国外先进技术，开发设计一种三偏心锥形金属密封蝶阀。该蝶阀具有优势结构性能和优越密封性能，其既拥有球阀双向密封、可调节、寿命长的实用优势，又具备蝶阀体积小、重量轻的结构优势。它的密封原理为三偏心锥形密封，从而实现了高低压双向切断。在蝶板密封面上选用了较高硬度的不锈钢密封面。而金属密封阀座堆焊STL硬质合金，提高了密封面的耐磨性和使用寿命。它的三偏心结构使密封面能自动对正中心(自适应)，自动越程补偿磨损，自动加以极高的密封比压，瞬间关闭和瞬间打开时密封副间无摩擦。由于其安装、维护检修方便。运行可靠等一系列优点，将成为阀门行业的一次重大的技术革命。

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用火电、燃气等高端系统同等的高性能、高品质产品成为现实!

Introduction

Most valves in district heating and petrochemical systems are used for medium cutoff and regulation. These valves are crucial components in the entire system, with high usage rates and demanding durability requirements. They need to be able to regulate and cut off the medium flow in the forward direction, prevent medium backflow during pressure differential changes or maintenance, and possess a bi-directional shut-off function.

Currently, they are mainly used in important pipelines of petroleum, natural gas, and other media. In general district heating systems, especially in water systems, fully welded ball valves are mostly used. However, the large size and long structural length of solid ball valve products, as well as their heavy weight, impose a significant burden on the pipeline, and are associated with high costs. In response to these issues, our company has developed and designed a three-eccentric metal-sealed butterfly valve, based on advanced foreign technology, to address this problem. This butterfly valve possesses excellent structural and sealing performance, combining the practical advantages of bi-directional sealing, adjustability, and long service life of a ball valve with the structural advantages of a small volume and light weight of a butterfly valve. Its sealing principle is based on a three-eccentric cone-shaped sealing, which enables bi-directional shut-off at high and low pressures. The sealing surface of the butterfly plate is made of a high-hardness stainless steel sealing surface, while the metal sealing valve seat is made overlaid STL hard alloy, which improves the wear resistance and service life of the sealing surface. Its three-eccentric structure enables the sealing surface to automatically align with the center (self-adaptive), compensate for wear automatically, and achieve a high sealing pressure ratio, with no friction between the sealing surfaces when opened or closed. Due to its convenience in installation, maintenance, and operation, as well as its reliability, this valve will become a significant technological revolution in the valve industry.

With its superior cost-effectiveness, it will undoubtedly lead to a transformation of valve systems in district heating, especially in water systems, enabling them to enjoy high-performance and high-quality products at mid-to-low-end prices, similar to those used in high-end systems such as thermal power and gas systems.

主要用途

金属密封蝶阀是水泵出口端、管网系统、回收系统、高位水槽、易水淹的污水系统、热网系统的有低流阻、双流向截断和流量调节需要的阀门。金属密封蝶阀适用于蒸汽管道、主管路系统、城市热网，可以配装气动装置和电动装置进行阀门的遥控和自动控制，广泛用于冶金、矿山、石化、化工、电力、环保、市政等行业和部门的管路启闭和调节系统。

Main Applications

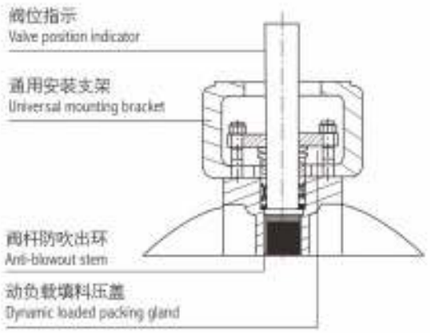
The metal-sealed butterfly valve is a valve that meets the needs of low flow resistance, bi-directional shut-off, and flow regulation in water pump outlet ends, pipeline systems, recycling systems, high-level water tanks, sewage systems susceptible to flooding, and thermal network systems. The metal-sealed butterfly valve is suitable for steam pipelines, main pipeline systems, urban heating networks, and can be equipped with pneumatic and electric devices for remote control and automatic control of valves. It is widely used in metallurgy, mining, petrochemicals, chemical industry, electric power, environmental protection, municipal departments and other industries and sectors for pipeline opening, closing, and regulation systems.

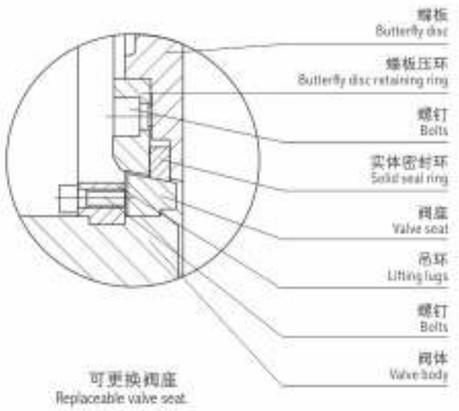
特点与优点

- 阀杆防吹出环
  防止阀杆在意外情况下被吹出
- 可更换的阀座和密封环
  降低现场维护成本
- 动负载填料压盖
  标准低排放阀杆密封，
  泄漏率为百万分之0-20PPM。
  动负载具有可预测及不变的填料压缩力，
  可持续使用5000个开关循环操作，
  而不需要调整或重新填料。
- 全金属密封系统
  司太立合金HRC40-60度
- 阀板位置显示
  阀杆末端提供简单的阀位显示
- 通用安装支架
  执行机构安装支架和阀杆连接符合ISO 5211标准

Features and Benefits

- Valve stem blowout prevention ring:
  Prevents the valve stem from being blown out in case of an unexpected event.
- Replaceable valve seat and sealing ring:
  Reduces maintenance costs on site.
- Dynamic load packing gland:
  Standard low emission valve stem seal with a leak rate of 0-20 PPM.
  The dynamic load has a predictable and constant packing compression force,Can sustain 5000 open-close cycles without adjustment or repacking.
- All-metal sealing system:
  Satellite alloy with a hardness of HRC 40-60 degrees.
- Valve plate position display:
  The valve stem end provides a simple valve position display
- Universal mounting bracket:
  The actuator mounting bracket and valve stem connection comply with the ISO 5211 standard.





主要类型

本阀门的主要类型有蜗轮蜗杆传动、电动、气动、液动等。其中电动、气动和液动控制阀门适合于远程自动控制的合。阀门采用铸造成型，整体式结构，强度高，重量轻，密封可靠，操作灵活方便。备有开度指示和机械限位，它的连接式有对夹式、双法兰式、焊接端等，便于与管道法兰连接或焊接连接。

Main type

The main types of this valve include worm gear and worm drive, electric, pneumatic, and hydraulic. Among them, electric, pneumatic, and hydraulic control valves are suitable for remote automatic control. The valve is cast, with integral structure, high strength, light weight, reliable sealing, and flexible and convenient operation. It is equipped with an opening indicator and mechanical limit, and its connection types include clamp type, double flange type, welding end, etc., which is convenient for connection with pipeline flanges or welding.

金属密封蝶阀产品技术说明

Metal seal butterfly valve product technical description

三重偏心几何形状

偏心1
阀轴位于阀座轴后面，使得密封能够完全紧密环绕接触整个阀座。

偏心2
阀轴中心线偏离管道和阀门中心线，这就免受阀门开启和关闭的干扰。

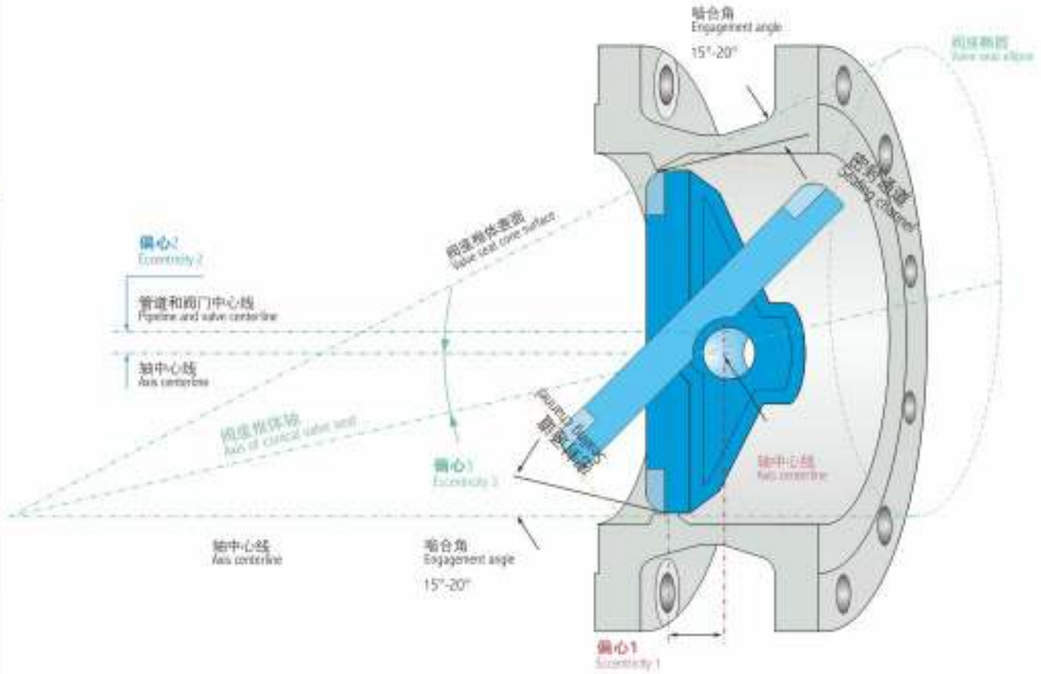
偏心3
阀座锥体轴偏离阀轴中心线，这样可以再关闭和开启过程中消除摩擦作用，并且实现环绕整个阀座的均匀一致的压缩密封效果。

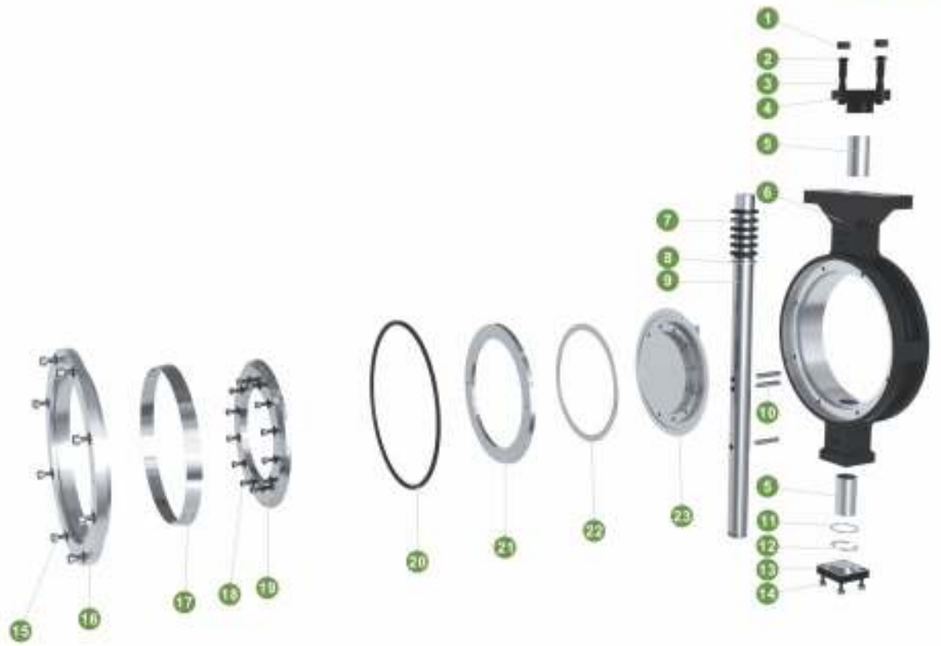
Geometric Shapes of Triple Eccentric Butterfly Valve

Eccentricity 1
The valve shaft is located behind the axis of the valve seat, allowing for a tight seal to completely surround and contact the entire seat.

Eccentricity 2
The centerline of the valve shaft deviates from the centerline of the pipeline and valve, avoiding interference during valve opening and closing.

Eccentricity 3
The axis of the valve seat cone deviates from the centerline of the valve shaft, which eliminates friction during opening and closing, and achieves a uniformly compressed sealing effect that surrounds the entire seat.





金属密封蝶阀爆炸图

Metal Seal Butterfly Valve Product Technical Description

序号 No.	零件 Valve parts	碳钢 Carbon steel
1	螺母 Nut	8级 Grade 8
2	垫圈 Gasket	65Mn
3	螺柱 Bolt	8.8级 Grade 8.8
4	填料压盖 Packing gland	ASTM A216 WCB
5	转轴 Stemm	316+N
6	阀体 Valve body	ASTM A216 WCB
7	填料 Packing	柔性石墨 Flexible graphite
8	填料垫 Packing ring	304
9	阀杆 Valve stem	17-4PH
10	楔销 Wedge pin	17-4PH
11	密封垫 Sealing gasket	柔性石墨 Flexible graphite
12	对开环 Double open ring	304
13	端盖 End cover	Q235A

序号 No.	零件 Valve parts	碳钢 Carbon steel
14	螺钉 Screw	8.8级 Grade 8.8
15	螺钉 Screw	8.8级 Grade 8.8
16	阀座 Valve seat	304+STL6
17	蝶板压圈 Butterfly plate retaining ring	Q235A
18	螺钉 Screw	8.8级 Grade 8.8
19	蝶板压板 Butterfly plate compression plate	ASTM A216 WCB
20	阀座密封垫 Seat sealing gasket	304+柔性石 缠绕垫 304+Flexible graphite , winding gasket
21	蝶板密封圈 Butterfly plate sealing ring	17-4PH
22	蝶板密封垫 Butterfly plate sealing gasket	304+柔性石墨 复合垫 304+Flexible graphite , composite gasket
23	蝶板 Butterfly plate	ASTM A216 WCB

金属密封蝶阀产品技术说明

Metal seal butterfly valve product technical description



工作原理

金属密封蝶阀的密封形式为不受介质压力影响的独立密封。它的蝶板密封圈与阀座接触依靠凸轮原理的机械力作用形成密封比压。因此无论介质压力大小均可以实现双向密封。由于金属密封圈可以在蝶板内移动和浮动，所以在介质温度发生变化时，金属材料的变形不会造成密封圈夹持而影响密封功能的降低。金属密封蝶阀独特的三偏心锥度密封设计，使阀门能广泛的应用在供热系统的蒸汽管路上。

蝶阀采用三偏心结构。当阀杆旋转关闭时，蝶板密封圈与阀座接触由于凸轮机构原理，使锥面密封接触力增大。当阀门开启时，偏心的阀杆旋转中心使蝶板密封圈与阀座接触锥面立即解除，同时迅速分离，这样防止了蝶板密封圈和阀座的相互摩擦，阀门可以有较长的使用寿命。

金属密封蝶阀的蝶板安装于管道的垂直方向，采用圆形蝶板作启闭件随阀杆转动来开启。关闭和调节改变流体通道面积。蝶板的旋转角度为0°-90°之间，旋转到90°时，阀门蝶板呈全开状态，在0°时蝶板关闭。该阀的开度与流量之间的关系，基本上呈线性比例变化，所以具有较好的流量控制特性。

由于金属密封蝶阀的蝶板密封面和阀座均为整体金属制造，这样能有效的抵御介质对密封表面的冲刷，是真正意义上的全金属密封。

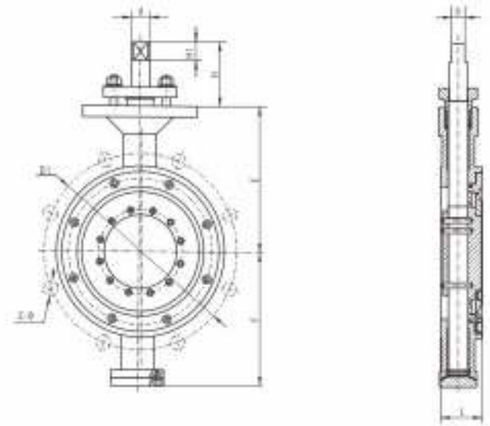
Working principle

The metal sealed butterfly valve is sealed independently of the medium pressure. The sealing ring of its butterfly plate relies on the mechanical force of the cam principle to contact the valve seat to form a sealing pressure ratio. Therefore, bidirectional sealing can be achieved regardless of the medium pressure. Since the metal sealing ring can move and float inside the butterfly plate, the deformation of the metal material due to changes in the medium temperature will not cause the sealing ring to be clamped and affect the sealing function, and the unique three-eccentric cone sealing design of the metal sealed butterfly valve enables the valve to be widely used in the steam pipeline of heating systems.

The butterfly valve adopts a three-eccentric structure. When the valve stem rotates to close, the contact between the butterfly plate sealing ring and the valve seat increases due to the cam mechanism principle, which increases the contact force of the cone surface seal. When the valve is opened, the eccentric rotation center of the valve stem immediately releases the contact between the butterfly plate sealing ring and the valve seat, and they quickly separate. This prevents mutual friction between the butterfly plate sealing ring and the valve seat, ensuring that the valve has a longer service life.

The butterfly plate of the metal sealed butterfly valve is installed in the vertical direction of the pipeline, and a circular butterfly plate is used as the opening and closing component to open, close and adjust the fluid channel area with the rotation of the valve stem. The rotation angle of the butterfly plate is between 0° and 90°. When it rotates to 90°, the valve butterfly plate is fully open, and when it is at 0°, the butterfly plate is closed. The relationship between the opening degree and the flow rate of the valve is basically a linear proportional change, so it has good flow control characteristics.

Since the butterfly plate sealing surface and the valve seat of the metal sealed butterfly valve are both made of integral metal manufacturing, they can effectively resist the scouring of the medium on the sealing surface, which is a true full-metal seal.



结构尺寸 Structure size

DN	L	D1	Z-Φ	F	E	H	H1	d	b
80	48	152.4	4-Φ19	125	125	82	27	18	14
100	54	190.5	8-Φ19	140	144	82	27	18	14
125	56	215.9	8-Φ22	140	144	82	27	18	14
150	57	241.3	8-Φ22	168	182	82	27	21.9	15.9
200	64	298.5	8-Φ22	204	220	97	28	28	20.6
250	71	362.0	12-Φ26	236	240	97	33	33.3	23.8
300	81	431.8	12-Φ26	292	280	100	41	37	28.7
350	92	476.3	12-Φ29	320	312	111	41	42	□33.5
400	102	539.8	16-Φ29	345	340	111	41	42	□33.5
450	114	577.9	16-Φ32	368	382	111	41	47	□41.4
500	127	635.0	20-Φ32	404	418	111	41	50	□41.4
600	154	749.3	20-Φ35	494	458	130	51	64	□51

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金属密封蝶阀产品技术说明

Metal seal butterfly valve product technical description

主要结构特点
Main structural features

阀门采用铸钢制造，整体式结构，强度高、重量轻。结构紧凑，密封可靠。操作灵活方便，备有开关指示和机械限位，便于与管道焊接。

金属密封蝶阀的密封形式为不受介质压力影响的独立密封。它的蝶板与阀座靠机械力作用进行密封。因此无论介质压力大小，它均可以实现双向密封。由于金属密封圈可以移动和浮动，即使在介质温度变化下仍可保持可靠的密封。而且阀体的变形也不会造成密封圈夹持而影响密封功能。金属密封蝶阀独特的三偏心密封设计，便阀门能广泛的应用在供热系统的蒸汽管路上。

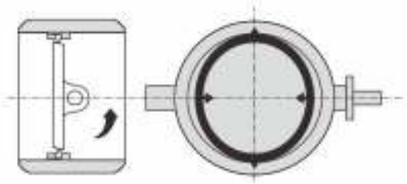
Valves are made of cast steel with the overall structure. They are also with high strength and light weight. Compact structure and reliable sealing is another feature of DY-series of BV. Operation is flexible and convenient, with switch instructions and mechanical limit, makes it easy to weld with the pipeline.

Our metal-sealed butterfly valve is an independent seal that is not affected by the pressure of any kind of medium by mechanical force from butterfly plate and seat. So regardless of the size of the medium pressure, it can achieve two-way seal as the metal ring can move and float, even in the medium temperature changes. And the deformation of the valve body will not cause the sealing ring and affect the sealing function. This kind of metal seal butterfly valve has the unique three- eccentric sealing design that can be widely used in the heating system of the steam pipe.

阀门的蝶板成椭圆形状，以双偏心位置安装。当蝶板与圆形阀座密封圈接触时，将密封圈向外挤压，造成其短轴处与密封圈接触。当阀门开启时，接触立即解除，密封圈恢复原来形状。这样防止了蝶板和密封圈的相互磨损。阀门可以经受几十万次运行。

The butterfly plate of the valve is elliptical and is mounted in double-eccentric position. When the disk contacts with the seal, squeezing the sealing ring out, as a result, its short axis contacts with the ring. When the valve is opened, the immediately disconnection and the seal returns to its original shape that prevents the discs and seals from wearing against each other. That's why this valve can operates hundreds of thousands times.





浮动式阀座密封圈 The Floating Seat Seal

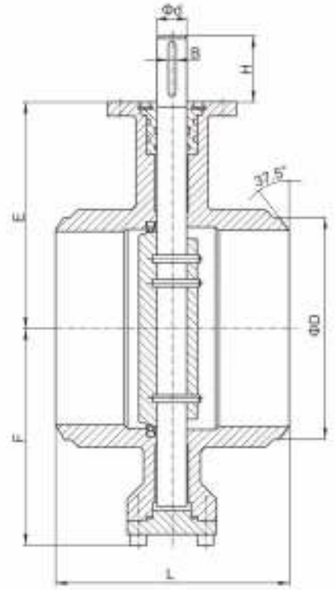
阀门使用浮动式阀座密封圈，该密封圈可在阀体槽内作径向扩伸或定位，因而在各种工作条件下均可进行自我调整以保持最佳密封位置。

The valve uses a floating valve seat ring that can be radially expanded or positioned in the valve body so that it can be self-adjusted to maintain the optimum sealing position under all operating conditions.

阀门的适用 The application of the valve

金属密封蝶阀适用于蒸汽管道、主管路系统、城市热网的介质分隔和节流。可以配装气动装置和电动装置进行阀门的遥控和自动控制。

Metal Sealed Butterfly Valves are suitable for steam piping, main piping systems, and urban heating system of separation and throttling. It can also be equipped with pneumatic devices and electric devices for remote control and automatic control.





DN	L	D	Φd	B	H	E	F
80	190	88.9	19	6	45	123	118
100	190	114.3	19	6	45	132	130
125	200	141.3	19	6	45	146	145
150	210	168.3	20	6	55	174	172
200	230	219.1	28	8	65	224	215
250	250	273.1	32	10	70	264	246
300	270	323.9	32	10	75	292	275
350	290	355.6	42	12	80	323	310
400	310	406.4	42	12	90	347	336
450	330	457.2	48	14	100	380	380
500	350	508	50	14	100	410	402
600	390	609.6	65	18	110	458	466

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