



Butterfly-TYPE Instruction
The company





位于德国内部巴登符腾堡州西丹海姆的舒克公司，自 1972 年开始，研发和制造高质量的管道设备和接头。1992 年，这个独立的，由家族运行的企业，扩大其业务范围，产品包括其他方面的技术服务和阴极防腐保护。1996 年，凭借着远见卓识和不断进取的精神，舒克公司再次扩大其产品范围，包括来自于 BORSIG 的大型球阀。现在的舒克，在其总部和分部拥有超过 300 名的雇员，在许多国家拥有舒克的分支机构。

Schuck has been developing and manufacturing high quality pipeline equipment and fittings at Steinheim/Albuch since 1972. In 1992 this independent, family-run business expanded its scope to include another technical service, cathodic corrosion protection. With its farsighted and enterprising approach, in 1996 Schuck widened its range to include large ball valves from BORSIG. Schuck now employs over 300 people at its headquarter, in subsidiaries and at its branches in many countries.



舒克联系您

Schuck connects.



舒克公司提供的各种各样的系统可应用于气体、油品、水的传输，或者从热源到用户的区域供热。

作为系统的供应商，舒克公司能执行世界范围的各种标准。所有的产品和服务都将进行仔细的相互协调。“提供需求，完善体制”。

国际能源的供应商们，欢迎能集兼容性、功能性、可靠的保证，以及高效率等优点于一身的产品。

借助于孜孜不倦的和弃而不舍的精神，舒克公司发展出独特的产品，聪明的解决办法，有计划的迎合用户更精确的要求。公司新的发展目标，是去创建工程的历史。

舒克的观念是勇于领先。极端的条件需要极端的产品。在海洋中，在极端的酷热或者寒冷中，在地震潜伏的区域：产品结构必须永远承受自然的全部力量。这就是为什么对舒克来说，质量是最最，最重要的。

哪里有客户，哪里就有舒克。舒克的客户遍布全世界。借助于最优化的程序和对客户要求的密切的关注，使舒克的产品能够在全世界范围内的任何地方被供应和分发。通过国际互联网的联系，一个由 29 个地区的分支机构组成的公司，将随时听候您的指示，不管您在哪里。

Schuck supplies all the various systems used to deliver gas, oil, water or district heating from the source to the user.

As a systems supplier Schuck sets the standards worldwide. All products and services are carefully co-ordinated with one another. "Supply requires complete systems."

International energy suppliers appreciate the advantages that come with compatibility, functionality, reliable guarantees and efficiency.

With its committed and pioneering approach Schuck develops unique products, intelligent solutions, designed to meet precise requirements. The company's new developments are creating engineering history.

Schuck – concepts that lead the way. Extreme conditions require extreme products. In the sea, in extreme heat or cold, or in earthquake-prone areas: the components always have to bear the full force of nature. That is why quality is of paramount importance to Schuck.

Wherever the customers are, Schuck is there too. Worldwide. Optimised processes and close attention to customer requirements enable Schuck products to be supplied and deployed anywhere around the world. With an international network comprising 29 local branch offices the company is at your disposal, wherever you are.

Butterfly Valve Series

蝶阀系列

产品概述 Product overview

- 复合金属密封圈的弹性特性使得阀门具有零泄漏性能。
- 扭矩密封确保阀门持续的双向零泄漏特性。
- 直角旋转无摩擦设计是通过一个独特的三偏心原理来实现，它消除90°开关旋转中阀座与密封圈之间的摩擦。
- STL-体式硬面阀座可满足许多工况要求，使用寿命，维修方便。
- 一体式铸造(板焊)阀体，结构长度符合ISO5752、ASMEB16.10和API609可替换高性能蝶阀以及其他种类的阀门，安装简单、灵活。
- 全金属结构加上零泄漏性能，使阀门具有‘本质防火安全’特性。
- 阀杆防吹出设计安全可靠，完全符合API609的要求。
- 阀杆杆上的阀位指示器以及顶部安装法兰有利于蝶阀位置指示。
- 三偏心蝶阀的阀杆采用一根通轴式结构，阀杆与蝶板连接采用键或销键组全。

- The elastic property of the composite metal seal makes the valve have zero leakage performance.
- Torque seal ensures constant bidirectional zero leakage characteristics of the valve.
- The right angle rotary friction free design is achieved by a unique three eccentric principle that eliminates friction between the valve seat and the ring in the 90° switch rotation.
- STL- type hard faced seat can meet the working requirements of many, service life, convenient maintenance.
- Integral casting (plate welding) valve body, the length of the structure conforms to ISO5752, ASMEB16.10 and API609, can replace high-performance butterfly valve and other types of valves, installation is simple and flexible.
- All metal structure with zero leakage performance, so that the valve has 'intrinsic fire safety' characteristics.
- Stem blowout prevention design is safe and reliable, fully meet the requirements of API609.
- The valve position indicator on the stem rod and the top mounting flange are helpful for the position indication of the disc position.
- Three eccentric butterfly valve stem adopts a through shaft structure, stem and butterfly plate connection, with key or key group.

防吹出阀杆 Blow-out proof valve stem

舒克品牌蝶阀采用双重防阀杆吹出设计，符合API609及ANSI B31.1的要求

上部：阀杆下端开槽，嵌入对开环，防止阀杆吹出。

底部：阀杆设计成台阶轴，与压套配合，防止阀杆吹出。

Positive series of butterfly valves using dual anti-stem blowing design, in line with the requirements of API609 and ANSI B31.1

Upper part: slotted at the bottom of the stem and inserted into the ring to prevent the stem from blowing out.

Bottom: the stem is designed as a stepped shaft and fits with the sleeve to prevent the valve stem from blowing out.

低开关扭矩 Low switching torque

舒克品牌蝶阀采用三偏心和柔性的多层金属及石墨相叠的密封副设计既保证了良好的密封性能，也降低了操作扭矩。

Zhengfeng series butterfly valve adopts three eccentric and flexible multilayer metal and graphite overlapping seal design, which ensures good sealing performance and reduces operating torque.

零泄漏 Zero Leakage

多层密封副自定位设计，满足API598的零泄漏要求。

Self-sealing design of multi-layer sealing pairs to meet the requirement of API598's zero leakage.

三偏心蝶阀设计特色 Design features of triple offset butterfly valve

第一偏心：阀杆旋转中心与阀座中心线偏离，确保阀座与碟板间的紧密密封。

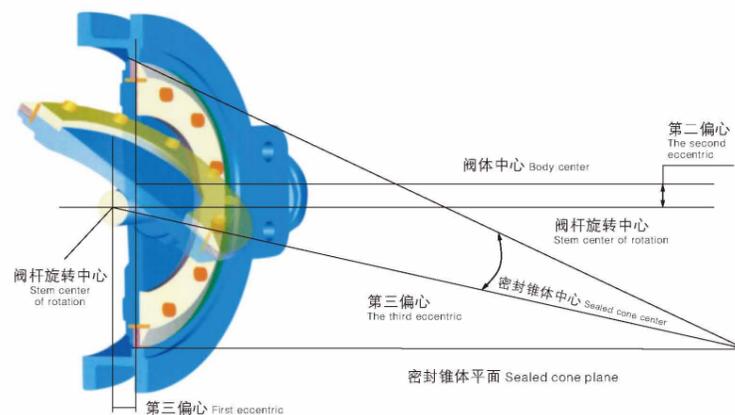
第二偏心：阀杆旋转中心与阀座中心偏离，阀门开启时，可以使碟板迅速脱离密封面。

第三偏心：密封锥体中心与阀门中心线偏离，完全消除了碟板与阀座之间的摩擦。

First eccentric: the center of the stem rotates off from the centerline of the seat to ensure tight seal between the seat and the disc.

Second eccentric: stem rotation center and seat center deviation, when the valve opens, can make the plate quickly separated from the sealing surface.

Third eccentric: the center of the cone of the sealing ring deviates from the central line of the valve, thus completely eliminating the friction between the plate and the valve seat.

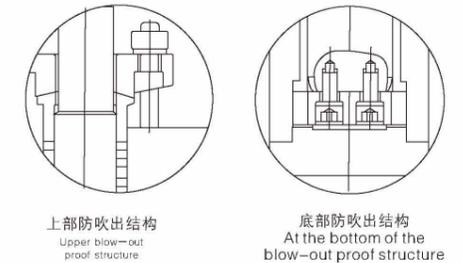


Butterfly Valve Series

蝶阀系列

防火设计 Fire safe design

金属及多层石墨相叠密封副设计，固有的防火功能，满足API607防火要求。Metal and multilayer graphite overlapping seal design, inherent fire protection function, meet the requirements of API607 fire protection.



上部防吹出结构
Upper blow-out proof structure

底部防吹出结构
At the bottom of the blow-out proof structure

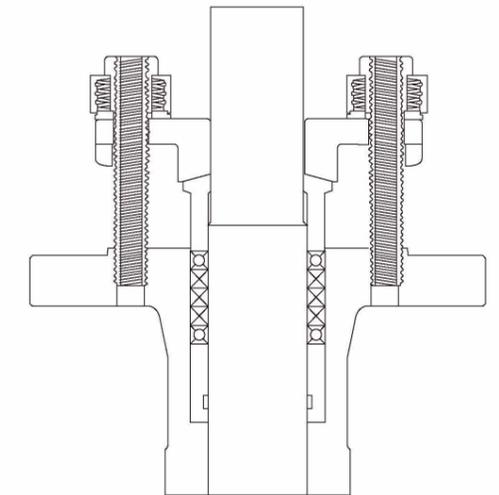
低泄漏阀杆密封 Low leakage stem seal

低泄漏阀杆密封设计允许最高20PPM*的泄漏量。

1. 阀杆由阀杆轴承全程导向和定位，避免了因侧向压力冲击而引起的阀杆侧向偏移而导致阀杆填料处泄漏。
2. 填料预压缩处理，上下端使用编织石墨绳，中间使用成形石墨环，增强防泄漏性能。
3. 阀杆和填料函表面粗糙度控制：阀杆在Ra0.4~Ra0.8之间；填料函为Ra1.6。
4. 可选择动载的压盖法兰使填料保持恒定持续的压缩，减少阀杆填料密封处的泄漏。
5. 根据用户要求，阀杆密封可按照Shell MESC77/312和TA-Luft标准设计。
*20PPM按照氮气吸入法确定。

Low leakage stem seal design allows maximum 20PPM* leakage

1. The stem is guided and positioned by the stem bearing to avoid the stem caused by lateral pressure impact lateral displacement results in leakage of stem packing.
2. Packing pre compression treatment, the upper and lower ends are made of braided graphite rope, and the middle formed graphite ring is used to strengthen leak proof performance.
3. Stem and stuffing box surface roughness control: stem in Ra0.4 ~ Ra0.8 between; stuffing box for Ra1.6.
4. Optional dynamic gland flange, so that the packing to maintain constant constant compression, reducing stem packing seal leakage at.
5. according to user requirements, stem seal can be designed according to Shell, MESC77/312 and TA-Luft standards.
*20PPM is determined by nitrogen inhalation.



上部防阀杆吹出设计
Top stem blowout design

加长轴承设计
Extended bearing design

采用加长、精密轴承，减少阀杆摩擦，保证低操作扭矩，石墨环用于防止污染物进入轴承。

Use extended, precision bearings to reduce stem friction wipe, ensure low operating torque, graphite ring for prevent contaminants from entering bearings.

阀座堆焊硬质合金
Valve seat hardfacing alloy

整体硬化阀座，延长阀门的使用寿命，减少维护次数。

Integral hardened valve seat to extend valve life and reduce maintenance times

支架 Bracket

按照ISO5211设计，便于安装齿轮箱气动或电动执行机构。According to the ISO5211 design, it is easy to install gear box, pneumatic or electric actuator

低泄漏填料(可选) Low leakage packing (optional)

先进的夹金属丝编织石墨填料(用于底层和顶层)和低泄漏填料(用于中间)，保证最高20PPM泄漏量。Advanced wire braided graphite packing (for bottom and top) and low leakage packing (for intermediate) ensures maximum 20PPM leakage

多层的密封副设计 Design of multilayer sealing pairs

密封环弹性变形可把保证零泄漏密封环真正的实现互换，方便维修。The elastic deformation of the sealing ring can ensure the true realization of the zero leakage sealing ring interchangeable for easy maintenance

底部阀杆防吹出设计 Blow out design of bottom stem

Flanged Triple Offset Butterfly Valve

法兰式三偏心蝶阀



Breakthrough technology, creating value!

突破科技 创造价值!

我们时刻追求，设计的创新；我们永远确保，品质的优良；我们不断完善，周全的服务。
We always seek, design innovation; we always ensure that the quality of good; we continue to improve, comprehensive service.

Flanged Triple Offset Butterfly Valve

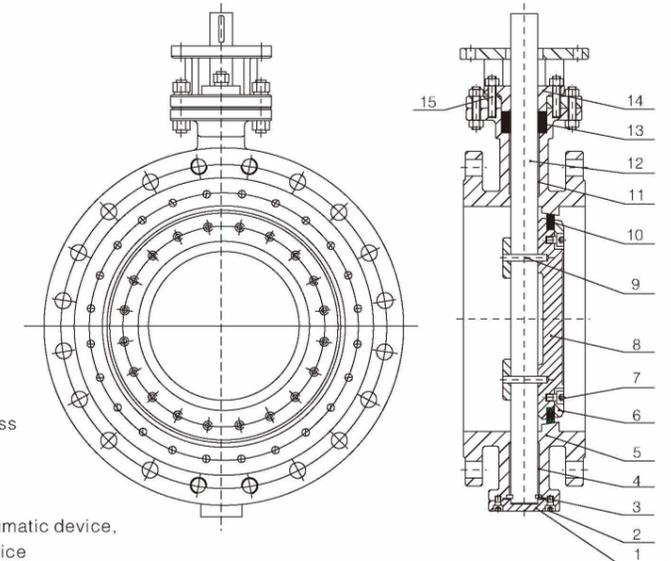
法兰式三偏心蝶阀

应用规范 Application Of Norms

设计标准: API609、JB8527、DIN2559、EN593
Design standard: API609、JB8527、DIN2559、EN593

产品范围 Application specification

- 1、压力范围: CLASS 150Lb-1500Lb PN6-PN150
 - 2、公称通径: NPS 2-80" DN50-2000mm
 - 3、主体材料: 碳钢、不锈钢、双相不锈钢、合金钢、镍合金钢
 - 4、连接形式: 法兰式
 - 5、工作温度: -29°C~350°C
 - 6、操作方式: 手柄、蜗轮、电动装置、气动装置、液动装置 气液联动装置
- 1, Pressure range: CLASS 150Lb-1500Lb PN6-PN150
 - 2, Nominal diameter: NPS 2-80" DN50-2000mm
 - 3, Main material: carbon steel, stainless steel, duplex stainless steel, alloy steel, nickel alloy steel
 - 4, Connection form: flange type
 - 5, Working temperature: -29°C~350°C
 - 6, Operation mode: handle, worm gear, electric device, pneumatic device, hydraulic device, gas-liquid linkage device



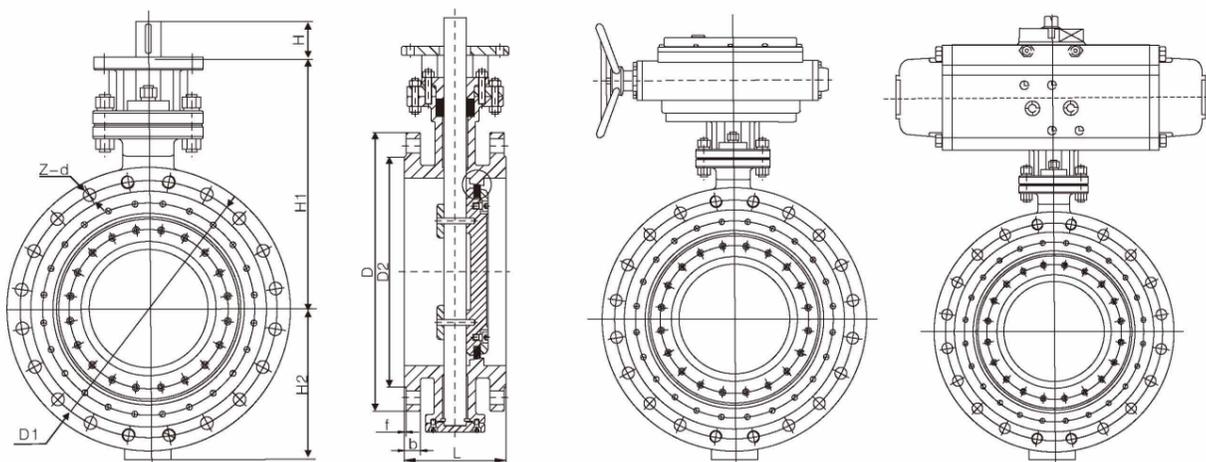
主要零件材料 Material for main parts

序号 NO	零件名称 Parts name	材料 Material	序号 NO	零件名称 Parts name	材料 Material
1	端盖 End cap	ASTM A105		密封圈 Seal ring	ASTM A276 304 + Graphite
2	内六角螺钉 Inner six angle screw	ASTM A193 B7		内六角螺钉 Inner six angle screw	ASTM A193 B7
3	垫片 Gasket	柔性石墨+304 Flexible graphite		压环 Pressure ring	ASTM A105
4	下轴套 Lower bushing	304	9	销钉 Pin	ASTM A193 B7
5	阀体 Body	ASTM A216 WCB	10	右侧密封圈 Right sealing ring	柔性石墨 Flexible graphite
6	压圈 Retaining Ring	ASTM A105	11	上轴套 Upper shaft sleeve	304
7	内六角螺钉 Inner six angle screw	ASTM A193 B7	12	阀杆 Stem	17-4PH
8	蝶板组合件 Disc assembly	部件图 Component diagram	13	填料压盖 Gland	ASTM A216 WCB
	蝶板 Disc	ASTM A216 WCB	14	支架 Bracket	ASTM A216 WCB
	调整垫 Adjusting pad	柔性石墨 Flexible graphite	15	双头螺栓 Double bolt	ASTM A193 B7

注释: 口径≤24"根据 ANSI B16.5 口径>24"根据 ANSI B16.47 Series B
Notes: Size≤24" according to ANSI B16.5, Size>24" according to ANSI B16.47 Series B

Flanged Triple Offset Butterfly Valve

法兰式三偏心蝶阀



外形及连接尺寸 Appearance and connect size (mm) PN10

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M	H	H1	H2
50	108	165	125	102	20	3	4-18	M16	50	200	75
80	114	200	160	138	20	3	8-18	M16	50	226	98
100	127	220	180	158	22	3	8-18	M16	50	250	130
125	140	250	210	188	22	3	8-18	M16	50	295	165
150	140	285	240	212	24	3	8-22	M20	55	315	175
200	152	340	295	268	24	3	8-22	M20	60	380	220
250	165	395	350	320	26	3	12-22	M20	65	405	250
300	178	445	400	370	26	4	12-22	M20	65	480	300
350	190	505	460	430	26	4	16-22	M20	70	545	330
400	216	565	515	482	26	4	16-26	M24	70	550	360
450	222	615	565	532	28	4	20-26	M24	95	620	380
500	229	670	620	585	28	4	20-26	M24	100	680	410
600	267	780	725	685	34	5	20-30	M27	105	750	460
700	292	895	840	800	34	5	24-30	M27	105	820	530
800	318	1015	950	905	36	5	24-33	M30	110	910	610
900	330	1115	1050	1005	38	5	28-33	M30	130	930	640
1000	410	1230	1160	1110	38	5	28-36	M33	140	980	720
1200	470	1455	1380	1330	44	5	32-39	M36	160	1220	820
1400	530	1675	1590	1535	48	5	36-42	M39	170	1310	930
1600	600	1915	1820	1760	52	5	40-48	M45	180	1460	980
1800	670	2115	2020	1960	56	5	44-48	M45	190	1560	1090
2000	760	2325	2230	2170	60	5	48-48	M45	190	1670	1190

Flanged Triple Offset Butterfly Valve

法兰式三偏心蝶阀

外形及连接尺寸 Appearance and connect size (mm) PN16

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M	H	H1	H2
50	108	165	125	102	20	3	4-18	M16	50	200	75
80	114	200	160	138	20	3	8-18	M16	50	226	98
100	127	220	180	158	22	3	8-18	M16	50	250	130
125	140	250	210	188	22	3	8-18	M16	55	295	165
150	140	285	240	212	24	3	8-22	M20	60	315	175
200	152	340	295	268	24	3	12-22	M20	65	380	220
250	165	405	355	320	26	3	12-26	M24	65	405	250
300	178	460	410	378	28	4	12-26	M24	70	480	300
350	190	520	470	428	30	4	16-26	M24	70	545	330
400	216	580	525	490	32	4	16-30	M27	100	550	360
450	222	640	585	550	40	4	20-30	M27	100	620	380
500	229	715	650	610	44	4	20-33	M30	105	680	410
600	267	840	770	725	54	5	20-36	M33	105	750	460
700	292	910	840	795	40	5	24-36	M33	110	820	530
800	318	1025	950	900	42	5	24-39	M36	130	910	610
900	330	1125	1050	1000	44	5	28-39	M36	140	930	640
1000	410	1255	1170	1115	46	5	28-42	M39	140	980	720
1200	470	1485	1390	1330	52	5	32-48	M45	170	1220	820
1400	530	1685	1590	1530	58	5	36-48	M45	180	1310	930
1600	600	1930	1820	1750	64	5	40-55	M52	190	1460	980
1800	670	2130	2020	1950	68	5	44-55	M52	200	1560	1090
2000	760	2345	2230	2150	70	5	48-60	M56	200	1670	1190

外形及连接尺寸 Appearance and connect size (mm) PN25

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M	H	H1	H2
50	108	165	125	102	20	3	4-18	M16	50	200	75
80	114	200	160	138	24	3	8-18	M16	50	226	98
100	127	235	190	162	24	3	8-22	M20	50	250	130
125	140	270	220	188	26	3	8-26	M24	55	295	165
150	140	300	250	218	28	3	8-26	M24	60	315	175
200	152	360	310	278	30	3	12-26	M24	65	380	220
250	165	425	370	335	32	3	12-30	M27	65	405	250
300	178	485	430	395	34	4	16-30	M27	70	480	300
350	190	555	490	450	38	4	16-33	M30	70	545	330
400	216	620	550	505	40	4	16-36	M33	100	550	360
450	222	670	600	555	46	4	20-36	M33	100	620	380
500	229	730	660	615	48	4	20-36	M33	105	680	410
600	267	845	770	720	58	5	20-39	M36	105	750	460
700	292	960	875	820	50	5	24-42	M39	110	820	530
800	318	1085	990	930	54	5	24-48	M45	130	910	610
900	330	1185	1090	1030	58	5	28-48	M45	140	930	640
1000	410	1320	1210	1140	62	5	28-55	M52	140	980	720
1200	470	1530	1420	1350	70	5	32-55	M52	170	1220	820
1400	530	1755	1640	1560	76	5	36-60	M56	180	1310	930
1600	600	1975	1860	1780	84	5	40-60	M56	190	1460	980
1800	670	2195	2070	1985	90	5	44-68	M64	200	1560	1090
2000	760	2425	2300	2210	96	5	48-68	M64	200	1670	1190

Flanged Triple Offset Butterfly Valve

法兰式三偏心蝶阀

外形及连接尺寸 Appearance and connect size (mm) PN40

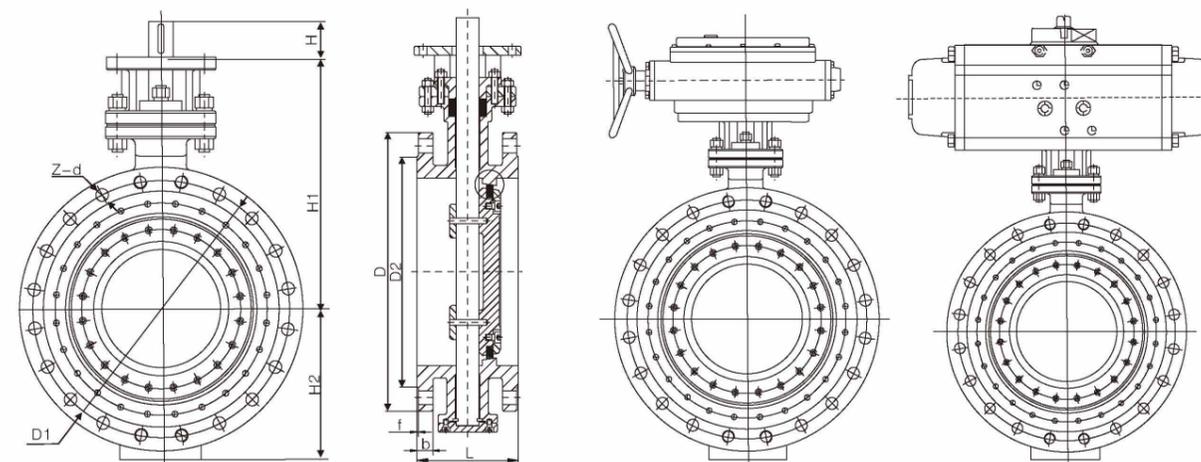
公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M	H	H1	H2
50	150	165	125	102	20	3	4-18	M16	50	200	75
80	180	200	160	138	24	3	8-18	M16	50	226	98
100	190	235	190	162	24	3	8-22	M20	55	250	130
125	200	270	220	188	26	3	8-26	M24	60	295	165
150	210	300	250	218	28	3	8-26	M24	65	315	175
200	230	375	320	285	34	3	12-30	M27	65	380	220
250	250	450	385	345	38	3	12-33	M30	70	405	250
300	270	515	450	410	42	4	16-33	M30	70	480	300
350	290	580	510	465	46	4	16-36	M33	100	545	330
400	310	660	585	535	50	4	16-39	M36	100	550	360
450	330	685	610	460	57	4	20-39	M36	105	620	380
500	350	755	670	615	57	4	20-42	M39	105	680	410
600	390	890	795	735	72	5	20-48	M45	110	750	460

外形及连接尺寸 Appearance and connect size (mm) PN63

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M	H	H1	H2
50	150	180	135	102	26	3	4-22	M20	50	200	75
80	180	215	170	138	28	3	8-22	M20	50	226	98
100	190	250	200	162	30	3	8-26	M24	55	250	130
125	200	295	240	188	34	3	8-30	M27	65	295	165
150	210	345	280	218	36	3	8-33	M30	65	315	175
200	230	415	345	285	42	3	12-36	M33	70	380	220
250	250	470	400	345	46	3	12-36	M33	70	405	250
300	270	530	460	410	52	4	16-36	M33	100	480	300
350	290	600	525	465	56	4	16-39	M36	100	545	330
400	310	670	585	535	60	4	16-42	M39	105	550	360
500	350	800	705	615	68	4	16-48	M45	110	680	410
600	390	930	820	735	76	5	16-56	M52	110	750	460

Flanged Triple Offset Butterfly Valve

法兰式三偏心蝶阀



外形及连接尺寸 Appearance and connect size CLASS 150Lb

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M(in)	H	H1	H2	
2	50	108	150	120.5	92	18	2	4-19	5/8	50	175	75
3	80	114	190	152.5	127	22	2	4-19	5/8	50	195	110
4	100	127	230	190.5	157	24	2	8-19	5/8	50	225	135
5	125	140	255	216	186	24	2	8-22	3/4	55	250	155
6	150	140	280	241.5	216	26	2	8-22	3/4	60	285	185
8	200	152	345	298.5	270	29	2	8-22	3/4	65	330	225
10	250	165	405	362	324	31	2	12-25	7/8	65	360	255
12	300	178	485	432	381	32	2	12-25	7/8	70	420	305
14	350	190	535	476	413	35	2	12-29	1	70	460	325
16	400	216	595	540	470	37	2	16-29	1	100	490	360
18	450	222	635	578	533	40	2	16-32	1-1/8	100	525	370
20	500	229	700	635	584	43	2	20-32	1-1/8	105	580	410
24	600	267	815	749.5	692	48	2	20-35	1-1/4	105	640	480
28	700	292	835	795.3	762	43.7	2	44-22	3/4	110	660	550
32	800	318	940	900.1	864	45.3	2	48-22	3/4	130	715	600
36	900	330	1055	1009.6	972	51.5	2	44-26	7/8	140	780	660
40	1000	410	1175	1120.8	1080	54.8	2	44-30	1	140	830	640
48	1200	470	1390	1335.1	1289	64	2	44-33	1-1/8	170	960	830
56	1400	530	1600	1543	1492	72	2	60-33	1-1/8	180	1070	970

Flanged Triple Offset Butterfly Valve

法兰式三偏心蝶阀

外形及连接尺寸 Appearance and connect size CLASS 300 Lb

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M(in)	H	H1	H2	
2	50	108	165	127	92	23	2	8-19	5/8	50	185	135
3	80	114	210	168.5	127	29	2	8-22	3/4	50	205	150
4	100	127	255	200	157	32	2	8-22	3/4	55	230	185
5	125	140	280	235	186	35	2	8-22	3/4	65	250	185
6	150	140	320	270	216	37	2	12-22	3/4	65	310	210
8	200	152	380	330	270	42	2	12-26	7/8	70	345	240
10	250	165	445	387.5	324	48	2	16-29	1	70	395	280
12	300	178	520	451	381	51	2	16-32	1-1/8	100	450	315
14	350	190	585	514.5	413	54	2	20-32	1-1/8	100	490	350
16	400	216	650	571.5	470	58	2	20-35	1-1/4	105	530	350
18	450	222	710	628.5	533	61	2	24-35	1-1/4	110	580	410
20	500	229	775	686	584	64	2	24-35	1-1/4	110	630	460
24	600	267	915	813	692	70	2	24-41	1-1/2	130	710	510
28	700	430	920	857.2	787	87.5	2	36-36	1-1/4	140	720	430
32	800	470	1055	977.9	902	101.6	2	32-42	1-1/2	170	780	455
36	900	510	1170	1089	1010	101.6	2	32-45	1-5/8	170	860	475
40	1000	550	1275	1190.6	1114	114.3	2	40-45	1-5/8	190	930	455
48	1200	630	1510	1416	1327	127	2	40-51	1-7/8	190	1080	860

外形及连接尺寸 Appearance and connect size CLASS 600 Lb

公称通径 Nominal diameter	L	D	D1	D2	b	f	Z-d	M(in)	H	H1	H2	
2	50	150	165	127	92	26	7	8-19	5/8	55	205	125
3	80	180	210	168.5	127	32	7	8-22	3/4	55	235	127
4	100	190	255	216	157	38	7	8-26	7/8	60	270	160
5	125	200	280	267	186	45	7	8-29	1	65	315	285
6	150	210	320	292	216	48	7	12-29	1	70	340	196
8	200	230	380	349	270	56	7	12-32	1-1/8	70	390	221
10	250	250	445	432	324	64	7	16-35	1-1/4	70	450	256
12	300	270	520	489	381	67	7	20-35	1-1/4	100	500	307
14	350	290	585	527	413	70	7	20-39	1-3/8	100	530	330
16	400	310	650	603	470	76	7	20-42	1-1/2	110	600	391
18	450	330	710	654	533	83	7	20-45	1-5/8	110	630	400
20	500	350	775	724	584	89	7	24-45	1-5/8	130	670	352
24	600	390	915	838	692	102	7	24-51	1-7/8	140	730	513

Wafer Type Triple Offset Butterfly Valve

对夹式三偏心蝶阀



Breakthrough technology, creating value!

突破科技 创造价值!

我们时刻追求，设计的创新；我们永远确保，品质的优良；我们不断完善，周全的服务。
We always seek, design innovation; we always ensure that the quality of good; we continue to improve, comprehensive service.

Wafer Type Triple Offset Butterfly Valve

对夹式三偏心蝶阀

应用规范 Application Of Norms

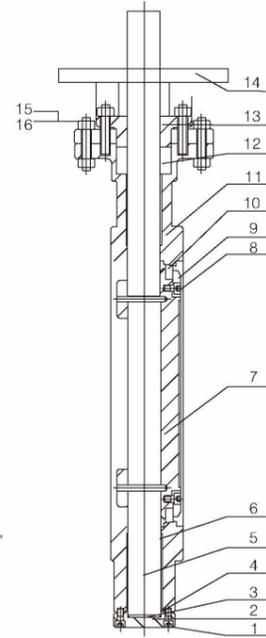
设计标准: API609、JB/8527、DIN 2559、EN593
Design standard: API609、JB/8527、DIN 2559、EN593

产品范围 Product range

- 1、压力范围: CLASS 150Lb-1500Lb PN6-PN150
- 2、公称口径: NPS 2-80" DN50-2000mm
- 3、主体材料: 碳钢、不锈钢、双相不锈钢、合金钢、镍合金钢
- 4、连接形式: 对夹式
- 5、工作温度: -29℃~350℃
- 6、操作方式: 手柄、蜗轮、电动装置、气动装置、液动装置、气液联动装置;

- 1, Pressure range: CLASS 150Lb-1500Lb PN6-PN150
- 2, Nominal diameter: NPS 2-80" DN50-2000mm
- 3, Main material: carbon steel, stainless steel, duplex stainless steel, alloy steel, nickel alloy steel

- 4, Connection form: wafer type
- 5, Working temperature: -29℃~350℃
- 6, Operation mode: handle, worm gear, electric device, pneumatic device, hydraulic device, Gas-liquid linkage device;

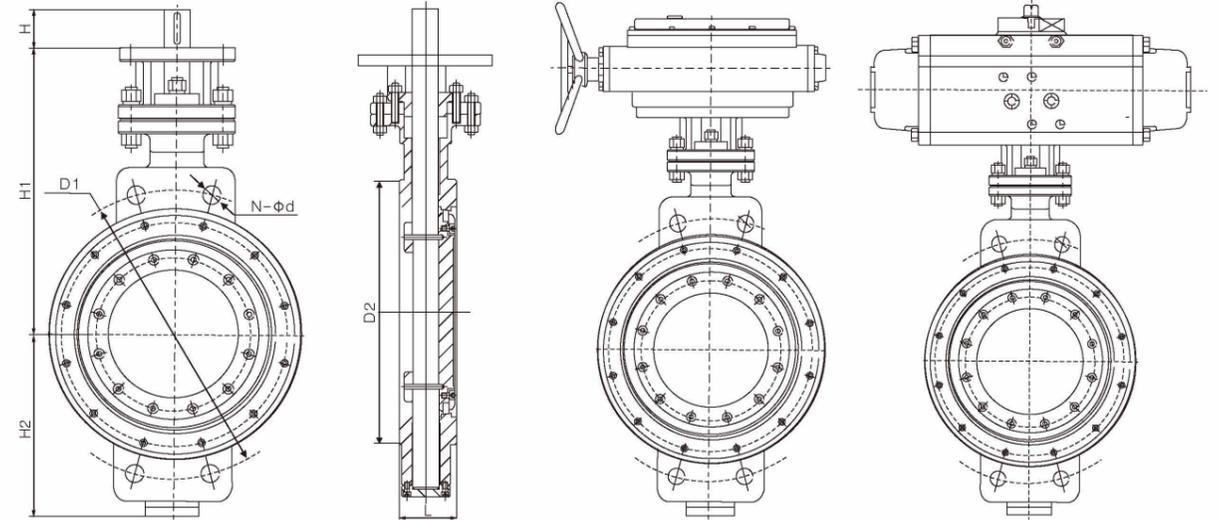


主要零件材料 Material for main parts

序号 Serial number	零件名称 Part name	材料 Material Science
1	螺钉 Screw	B8M-CL2
2	法兰 Flange	SS316
3	垫片 Gasket	SS316+石墨 Graphite
4	防冲出环 Anti surge ring	S31803
5	阀杆 Stem	17-4PH
6	轴套 Axle sleeve	S31803
7	蝶板 Disc	CF8M
8	内六角螺钉 Inner six angle screw	SS316
9	蝶板压环 Retaining Ring	SS316
10	密封圈 Seal ring	SS316+石墨 Graphite
11	阀体 Body	CF8M
12	填料 Packing	石墨 Graphite
13	压盖 Gland	CF8M
14	支架 Bracket	A216WCB
15	螺栓 Bolt	B8M-CL2
16	螺母 Nut	8M-CL2

Wafer Type Triple Offset Butterfly Valve

对夹式三偏心蝶阀



外形及连接尺寸 Appearance and connect size (mm)

PN10

公称口径 Nominal diameter	L	D1	D2	N-d	H	H1	H2
50	43	125	102	4-18	50	200	75
80	49	160	138	4-18	50	226	98
100	56	180	158	4-18	50	250	130
125	64	210	188	4-18	50	295	150
150	70	240	212	4-22	55	315	165
200	71	295	268	4-22	60	380	210
250	76	350	320	4-22	65	405	245
300	83	400	370	4-22	65	460	280
350	92	460	430	4-M20	70	525	315
400	102	515	482	4-M24	70	540	345
450	114	565	532	4-M24	95	620	380
500	127	620	585	4-M24	100	650	410
600	154	725	685	4-M27	105	690	460
700	165	840	800	4-M27	105	780	510
800	190	950	905	4-M30	110	860	580
900	203	1050	1005	4-M30	130	900	630
1000	216	1160	1110	4-M33	140	980	700
1200	254	1380	1330	4-M36	160	1100	810
1400	279	1590	1535	4-M39	170	1200	930
1600	318	1820	1760	4-M45	180	1330	980
1800	356	2020	1960	4-M45	190	1450	1050
2000	406	2230	2170	4-M45	190	1560	1150

Wafer Type Triple Offset Butterfly Valve

对夹式三偏心蝶阀

外形及连接尺寸 Appearance and connect size (mm) PN16

公称通径 Nominal diameter	L	D1	D2	N-d	H	H1	H2
50	43	125	102	4-18	50	200	75
80	49	160	138	4-18	50	226	98
100	56	180	158	4-18	50	250	130
125	64	210	188	4-18	55	295	150
150	70	240	212	4-22	60	315	165
200	71	295	268	4-22	65	380	210
250	76	355	320	4-26	65	405	245
300	83	410	378	4-26	70	460	280
350	92	470	428	4-M24	70	525	315
400	102	525	490	4-M27	100	540	345
450	114	585	550	4-M27	100	620	380
500	127	650	610	4-M30	105	650	410
600	154	770	725	4-M33	105	690	460
700	165	840	795	4-M33	110	780	510
800	190	950	900	4-M36	130	860	580
900	203	1050	1000	4-M36	140	900	630
1000	216	1170	1115	4-M39	140	980	700
1200	254	1390	1330	4-M45	170	1100	810
1400	279	1590	1530	4-M45	180	1200	930
1600	318	1820	1750	4-M52	190	1330	980
1800	356	2020	1950	4-M52	200	1450	1050
2000	406	2230	2150	4-M56	200	1560	1150

外形及连接尺寸 Appearance and connect size (mm) PN25

公称通径 Nominal diameter	L	D1	D2	N-d	H	H1	H2
50	43	125	102	4-18	50	200	75
80	49	160	138	4-18	50	226	98
100	56	190	162	4-22	50	250	130
125	64	220	188	4-26	55	295	150
150	70	250	218	4-26	60	315	165
200	71	310	278	4-26	65	380	210
250	76	370	335	4-30	65	405	245
300	83	430	395	4-M27	70	460	280
350	92	490	450	4-M30	70	525	315
400	102	550	505	4-M33	100	540	345
450	114	600	555	4-M33	100	620	380
500	127	660	615	4-M33	105	650	410
600	154	770	720	4-M36	105	690	460
700	165	875	820	4-M39	110	780	510
800	190	990	930	4-M45	130	860	580
900	203	1090	1030	4-M45	140	900	630
1000	216	1210	1140	4-M52	140	980	700
1200	254	1420	1350	4-M52	170	1100	810
1400	279	1640	1560	4-M56	180	1200	930
1600	318	1860	1780	4-M56	190	1330	980
1800	356	2070	1985	4-M64	200	1450	1050
2000	406	2300	2210	4-M64	200	1560	1150

Wafer Type Triple Offset Butterfly Valve

对夹式三偏心蝶阀

外形及连接尺寸 Appearance and connect size (mm) PN40

公称通径 Nominal diameter	L	D1	D2	N-d	H	H1	H2
50	43	125	102	4-18	50	200	75
80	64	160	138	4-18	50	226	98
100	64	190	162	4-22	55	250	130
125	70	220	188	4-26	60	295	165
150	76	250	218	4-26	65	315	175
200	89	320	285	4-M27	65	380	220
250	114	385	345	4-M30	70	405	250
300	114	450	410	4-M30	70	480	300
350	127	510	465	4-M33	100	545	330
400	140	585	535	4-M36	100	550	360
450	152	610	560	4-M36	105	620	380
500	159	670	615	4-M39	105	680	410
600	181	795	735	4-M45	110	750	460

外形及连接尺寸 Appearance and connect size (mm) PN63

公称通径 Nominal diameter	L	D1	D2	N-d	H	H1	H2
50	43	135	102	4-22	50	200	75
80	64	170	138	4-22	50	226	98
100	64	200	162	4-26	55	250	130
125	70	240	188	4-30	65	295	165
150	76	280	218	4-33	65	315	175
200	89	345	285	4-M33	70	380	220
250	114	400	345	4-M33	70	405	250
300	114	460	410	4-M33	100	480	300
350	127	525	465	4-M36	100	545	330
400	140	585	535	4-M39	105	550	360
500	170	705	615	4-M45	110	680	410
600	200	820	735	4-M52	110	750	460

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