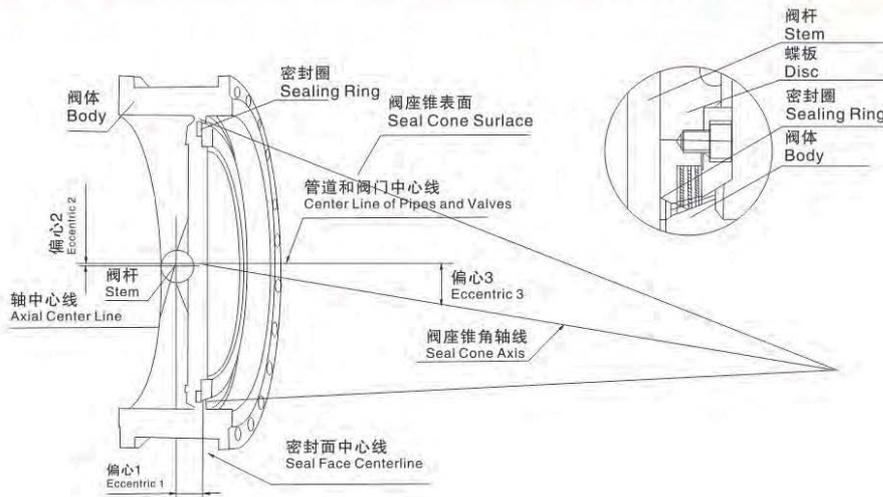




API

美标蝶阀密封形式 API Butterfly Valve Sealing Form

美标三偏心蝶阀几何图 American Standard Butterfly Valve Geometric Graph



第一个偏心轴偏离密封面中心线

第二个偏心轴偏离管路及阀门中心线

第三个其独特的偏心阀座斜锥角与管路中心的夹角，这样，使得阀座与密封圈在门整个开关过程中完全脱离。这种结构即利用了凸轮效应。又完全消除了摩擦，去除了磨损和泄露的可能。

Firstly: The eccentric shaft deflected from the center line of sealing surface.

Secondly: The eccentric shaft deflected from pipe and center line of valve.

Thirdly: The unique design of eccentric seat oblique cone and the angle of centerline, makes the seat and sealing ring completely out from the door during the open and close. This structure adopted the cam effect, completely eliminating the friction, avoiding the possibility of wear and leakage.

我公司生产的三偏心蝶阀，依靠安装在蝶板上的复合不锈钢密封圈来实现真正的零泄漏。

Our triple eccentric butterfly valve realizes zero leakage relying on the composite stainless steel sealing ring installed in the disc.

零泄漏是通过蝶板上密封圈的弹性来实现的，该密封圈的弹性是通过其径向的压缩和柔动生产的。密封圈与阀座接触面为斜锥面。密封圈与阀座之间的接触角产生轻微的“楔式效应”使密封圈发生柔动和径向压缩。正由于阀座与密封圈之间均匀接触以及密封圈的柔性，使得加载在阀座上的载荷均匀，从而用最小的扭矩实现最严密的切断。扭矩产生的弹性使得阀门严密关断，而与介质流向或介质力无关。

Zero leakage is implemented by the elastic sealing ring mounted on the disc. The elasticity of sealing ring is produced by its radial compression and flexibility. The contact surface between the sealing ring and seat is an oblique cone. The contact angle between them gives slight "wedge effect", making the sealing ring producing flexibility and radial compression. The even contact between the seat and sealing ring, and the elasticity of sealing ring makes the load on the seat even, thus to perform closest cut off by the lowest torque. The elasticity produced by the torque makes the valve closely cut off, regardless of the flow direction or pressure of medium.



用途及特点 Purpose and Characteristic

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的，它消除了90° 开关旋转中阀座与密封圈之间的摩擦。

STL一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、ASME16.10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板位置指示。

美标三偏心蝶阀的阀杆采用一根通轴式结构，阀杆与蝶阀连接采用键或销键组全。

Elastic property of composite metal sealing ring performs zero leakage.

The torque seal ensures constant zero leakage characteristics of the valve.

The design of right- angled rotation with zero friction is implemented by the distinctive triple eccentric principle; it eliminates the friction between the seat and sealing ring in 90° rotation.

STL one-piece hard-surface seat may adapt to many working conditions, which is featured with long service life and easy maintenance.

One-piece cast (sheet welded) body, face to face dimensions conforming to ISO5752, ASME16.10 and API609, replacement of high performance butterfly valves and other types of valves, easy and flexible installation, intrinsic fireproof property thanks to all metal structure and leak tight performance.

Anti-blowout stem designs for high dependability, completely conforming to API6109.

The valve position indicator on the stem and the flange mounted at the top of are in the favor of the indication of disc position.

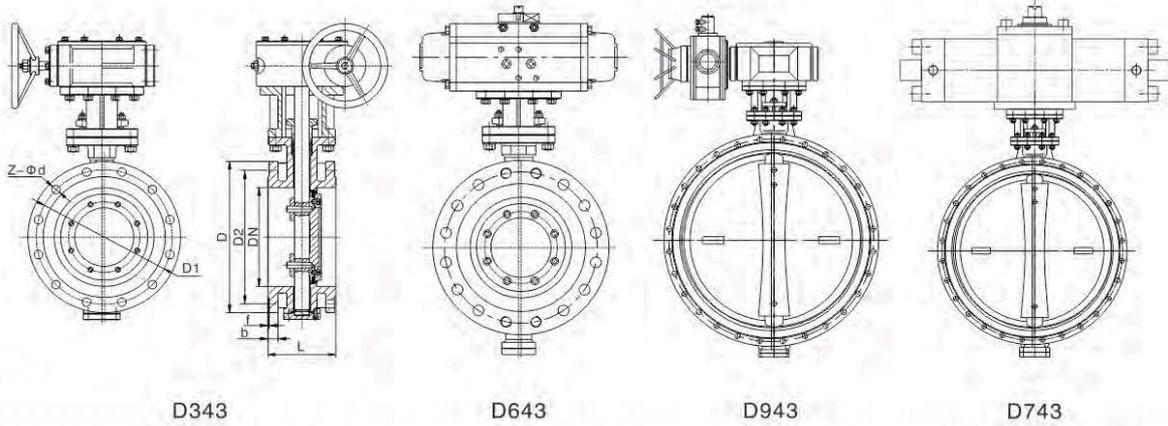
The stem of American standard triple eccentric butterfly valve, is a shaft structure, stem and disc are connected by key or pin-key combination.

采用标准 Adoption Standard

设计标准 Design Standard	API 609-2016				
法兰连接尺寸 Flange Connection Dimension	ASME B 16.5-2013 ASME B 16.47-2011				
试验和检验 Test and Inspection	API 598-2016				
温压等级 Pressure-Temperature Rate	ASME B 16.34-2013				
结构长度 Face to Face Dimension	API609-2016.ISO5752-1982				
防火制造 Fire Safe	API 607-2010				
压力等级 Pressure Rating	150LB	300LB	600LB	900LB	
常温试验压力(Mpa) Test Pressure at Room Temperature	壳体试验 Shell Test	2.93	7.58	15.0	20.9
	高压密封 High Pressure Seal Test	2.07	5.52	11.03	15.3
	低压密封 Low Pressure Seal Test	0.6	0.6	0.6	0.6
适用介质 Applicable Medium	水、油、气及各类腐蚀性介质(不同的介质选用不同的材质) Water, Oil, Gas and Other Causticity Media (Different Media Use Different Materials)				
适用温度 Applicable Temperature	-100℃~800℃(不同的工况温度选用不同的材质) (Different Raw Material for Different Work Temperature)				

美标法兰式蝶阀 API Flange Butterfly Valve

DAGO



主要技术参数 Main Technology Parameter

公称压力 Nominal Pressure (MPa)	试验压力(MPa) Test Pressure (MPa)			适用温度 Applicable Temperature	适用介质 Applicable Media	驱动形式 Operation
	壳体试验 Shell Test	高压密封 High Pressure Seal	低压密封 Low Pressure Seal			
Class150	2.93	2.07	0.6	碳钢 Carbon steel: -29℃ ~ 425℃ 不锈钢 Stainless Steel: -100℃ ~ 800℃	空气、水、蒸气、 煤气、油品以及酸、 碱、盐带有弱腐蚀性 介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、 气传动、 电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
Class300	7.58	5.52	0.6			
Class600	15.0	11.03	0.6			
Class900	20.9	15.3	0.6			

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

主要连接尺寸 Main Connection Dimensions

ASME 16.5-2013 单位: Unit: mm

Inch	mm	结构长度 Structural length		150Lb						300Lb						600Lb					
		L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
2	50	108	150	150	120.7	92.1	19.5	2	4-Φ19	165	127	92.1	22.7	2	8-Φ19	165	127	92.1	32.4	7	8-Φ19
2.5	65	112	170	180	139.7	104.8	22.7	2	4-Φ19	190	149.2	104.8	25.9	2	8-Φ22	190	149.2	104.8	35.6	7	8-Φ22
3	80	114	180	190	152.4	127	24.3	2	4-Φ19	210	168.3	127	29	2	8-Φ22	210	168.3	127	38.8	7	8-Φ22
4	100	127	190	230	190.5	157.2	24.3	2	8-Φ19	255	200	157.2	32.2	2	8-Φ22	275	215.9	157.2	45.1	7	8-Φ25
5	125	140	200	255	215.9	185.7	24.3	2	8-Φ22	280	235	185.7	35.4	2	8-Φ22	330	266.7	185.7	51.5	7	8-Φ29
6	150	140	210	280	241.3	215.9	25.9	2	8-Φ22	320	269.9	215.9	37	2	12-Φ22	355	292.1	215.9	54.7	7	12-Φ29
8	200	152	230	345	298.5	269.9	29	2	8-Φ22	380	330.2	269.9	41.7	2	12-Φ25	420	349.2	269.9	62.6	7	12-Φ32
10	250	165	250	405	362	323.8	30.6	2	12-Φ25	445	387.4	323.8	48.1	2	16-Φ29	510	431.8	323.8	70.5	7	16-Φ35
12	300	178	270	485	431.8	381	32.2	2	12-Φ25	520	450.8	381	51.3	2	16-Φ32	560	489	381	73.7	7	20-Φ35
14	350	190	290	535	476.3	412.8	35.4	2	12-Φ29	585	514.4	412.8	54.4	2	20-Φ32	605	527	412.8	76.9	7	20-Φ38
16	400	216	310	595	539.8	469.9	37	2	16-Φ29	650	571.5	469.9	57.6	2	20-Φ35	685	603.2	469.9	83.2	7	20-Φ41
18	450	222	330	635	577.9	533.4	40.1	2	16-Φ32	710	628.6	533.4	60.8	2	24-Φ35	745	654	533.4	89.6	7	20-Φ44
20	500	229	350	700	635	584.2	43.3	2	20-Φ32	775	685.8	584.2	64	2	24-Φ35	815	723.9	584.2	95.9	7	24-Φ44
24	600	267	390	815	749.3	692.2	48.1	2	20-Φ35	915	812.8	692.2	70.3	2	24-Φ41	940	838.2	692.2	108.6	7	24-Φ51

主要连接尺寸 Main Connection Dimensions

ASME B 16.47-2011 series A 单位: Unit: mm

Inch	mm	结构长度 Structural length		150Lb						300Lb						600Lb					
		L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
26	650	292	410	870	806.4	749	68.7	2	24-Φ35	970	876.3	749	79.8	2	28-Φ45	1015	914.4	749	115	7	28-Φ51
28	700	292	430	925	863.6	800	71.9	2	28-Φ35	1035	939.8	800	86.2	2	28-Φ45	1075	965.2	800	118.2	7	28-Φ54
30	750	318	450	985	914.4	857	75.1	2	28-Φ35	1090	997	857	92.5	2	28-Φ48	1130	1022.4	857	121.3	7	28-Φ54
32	800	318	470	1060	977.9	914	81.4	2	28-Φ41	1150	1054.1	914	98.9	2	28-Φ51	1195	1079.5	914	124.5	7	28-Φ61
36	900	330	510	1170	1085.8	1022	90.9	2	32-Φ41	1270	1168.4	1022	105.2	2	32-Φ54	1315	1193.8	1022	130.9	7	28-Φ67
40	1000	410	550	1290	1200.2	1124	90.9	2	36-Φ41	1240	1155.7	1086	114.8	2	32-Φ45	1320	1212.8	1111	165.8	7	32-Φ61
44	1100	410	550	1405	1314.4	1245	102.1	2	40-Φ41	1355	1263.6	1194	124.3	2	32-Φ48	1455	1333.5	1226	180.1	7	32-Φ67
48	1200	470	630	1510	1422.4	1359	108.4	2	44-Φ41	1465	1371.6	1302	133.8	2	32-Φ51	1595	1460.5	1334	196	7	32-Φ73
52	1300	470	630	1625	1536.7	1461	116.3	2	44-Φ48	1580	1479.6	1410	144.9	2	32-Φ54	1720	1574.8	1435	210.2	7	32-Φ80
56	1400	530	710	1745	1651	1575	124.3	2	48-Φ48	1710	1600.2	1518	154.4	2	28-Φ61	1855	1695.4	1543	224.5	7	32-Φ86
60	1500	530	710	1855	1759	1676	132.2	2	52-Φ48	1810	1701.8	1626	164	2	32-Φ61	1995	1822.4	1657	240.4	7	28-Φ92

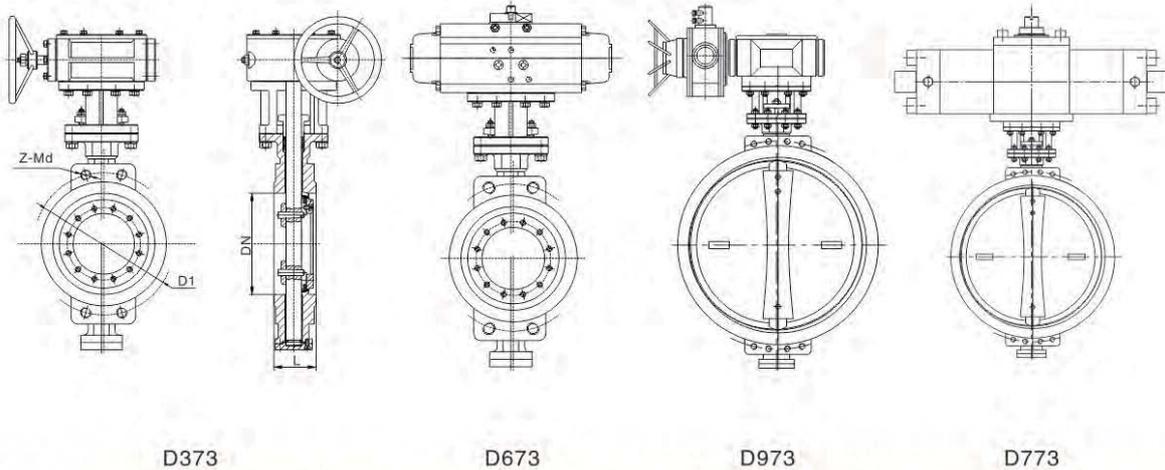
主要连接尺寸 Main Connection Dimensions

ASME B 16.47-2011 series B 单位: Unit: mm

Inch	mm	结构长度 Structural length		150Lb						300Lb						600Lb					
		L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
26	650	292	410	785	744.5	711	41.8	2	36-Φ22	865	803.3	737	89.4	2	32-Φ36	890	806.4	727	111.2	7	28-Φ45
28	700	292	430	835	795.3	762	45	2	40-Φ22	920	857.2	787	89.4	2	36-Φ36	950	863.6	784	115.9	7	28-Φ48
30	750	318	450	885	846.1	813	45	2	44-Φ22	990	920.8	845	94.1	2	36-Φ39	1020	927.1	841	125.5	7	28-Φ51
32	800	318	470	940	900.1	864	46.6	2	48-Φ22	1055	977.9	902	103.6	2	32-Φ42	1085	984.2	895	130.2	7	28-Φ54
36	900	330	510	1055	1009.6	972	52.9	2	44-Φ25	1170	1089	1010	103.6	2	32-Φ45	1215	1104.9	1010	146.1	7	28-Φ60
40	1000	410	550	1175	1120.8	1080	56.1	2	44-Φ28	1275	1190.6	1114	116.3	2	40-Φ45						
44	1100	410	550	1275	1222.4	1181	60.9	2	52-Φ28	1385	1295.4	1219	127.5	2	40-Φ48						
48	1200	470	630	1390	1335.1	1289	65.6	2	44-Φ32	1510	1416	1327	129	2	40-Φ51						
52	1300	470	630	1495	1436.7	1391	70.4	2	52-Φ32	1615	1517.6	1429	143.3	2	48-Φ51						
56	1400	530	710	1600	1543	1492	73.6	2	60-Φ32	1765	1651	1537	154.4	2	36-Φ60						
60	1500	530	710	1725	1662.1	1600	76.7	2	52-Φ35	1880	1763.7	1651	151.3	2	40-Φ60						

美标对夹式蝶阀 API Wafer Butterfly Valve

DAGO



主要技术参数 Main Technology Parameter

公称压力 Nominal Pressure (MPa)	试验压力(MPa) Test Pressure (MPa)			适用温度 Applicable Temperature	适用介质 Applicable Media	驱动形式 Operation
	壳体试验 Shell Test	高压密封 High Pressure Seal	低压密封 Low Pressure Seal			
Class150	2.93	2.07	0.6	碳钢 Carbon steel: -29°C ~ 425°C 不锈钢 Stainless Steel: -100°C ~ 800°C	空气、水、蒸气、 煤气、油品以及酸、 碱、盐带有弱腐蚀性 介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、 气传动、 电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
Class300	7.58	5.52	0.6			
Class600	15.0	11.03	0.6			
Class900	20.9	15.3	0.6			

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

主要连接尺寸 Main Connection Dimensions

ASME 16.5-2013 单位: Unit: mm

通径 Diameter		150Lb				300Lb				600Lb			
Inch	mm	L1	D1	Z-Md	法兰 端孔数 Flange hole no.	L1	D1	Z-Md	法兰 端孔数 Flange hole no.	L1	D1	Z-Md	法兰 端孔数 Flange hole no.
2	50	43	120.7	4-Φ19	4	43	127	4-(M5/8"-UNC11)	8	43	127	4-(M5/8"-UNC11)	8
2.5	65	46	139.7	4-Φ19	4	46	149.2	4-(M3/4"-UNC10)	8	46	149.2	4-(M3/4"-UNC10)	8
3	80	48	152.4	4-Φ19	4	48	168.3	4-(M3/4"-UNC10)	8	54	168.3	4-(M3/4"-UNC10)	8
4	100	54	190.5	4-Φ19	8	54	200	4-(M3/4"-UNC10)	8	64	215.9	4-(M7/8"-UNC9)	8
5	125	57	215.9	4-Φ22	8	59	235	4-(M3/4"-UNC10)	8	78	266.7	4-(M1"-UN8)	8
6	150	57	241.3	4-Φ22	8	59	269.9	4-(M3/4"-UNC10)	12	78	292.1	4-(M1"-UN8)	12
8	200	64	298.5	4-Φ22	8	73	330.2	4-(M7/8"-UNC9)	12	102	349.2	4-(M1 1/8"-UN8)	12
10	250	71	362	4-Φ25	12	83	387.4	4-(M1"-UN8)	16	117	431.8	4-(M1 1/4"-UN8)	16
12	300	81	431.8	4-Φ25	12	92	450.8	4-(M1 1/8"-UN8)	16	140	489	4-(M1 1/4"-UN8)	20
14	350	92	476.3	4-Φ29	12	117	514.4	4-(M1 1/8"-UN8)	20	155	527	4-(M1 3/8"-UN8)	20
16	400	102	539.8	4-(M1"-UN8)	16	133	571.5	4-(M1 1/4"-UN8)	20	178	603.2	4-(M1 1/2"-UN8)	20
18	450	114	577.9	4-(M1 1/8"-UN8)	16	149	628.6	4-(M1 1/4"-UN8)	24	200	654	4-(M1 5/8"-UN8)	20
20	500	127	635	4-(M1 1/8"-UN8)	20	159	685.8	4-(M1 1/4"-UN8)	24	216	723.9	4-(M1 5/8"-UN8)	24
24	600	154	749.3	4-(M1 1/4"-UN8)	20	181	812.8	4-(M1 1/2"-UN8)	24	232	838.2	4-(M1 7/8"-UN8)	24

主要连接尺寸 Main Connection Dimensions

ASME B 16.47-2011 series A 单位: Unit: mm

通径 Diameter		150Lb				300Lb				600Lb			
Inch	mm	L1	D1	Z-Md	法兰 端孔数 Flange hole no.	L1	D1	Z-Md	法兰 端孔数 Flange hole no.	L1	D1	Z-Md	法兰 端孔数 Flange hole no.
26	650	165	806.4	4-(M1 1/4"-UN8)	24	229	876.3	4-(M1 5/8"-UN8)	28	229	914.4	8-(M1 7/8"-UN8)	28
28	700	165	863.6	4-(M1 1/4"-UN8)	28	229	939.8	4-(M1 5/8"-UN8)	28	229	965.2	8-(M2"-UN8)	28
30	750	190	914.4	4-(M1 1/4"-UN8)	28	241	997	4-(M1 3/4"-UN8)	28	241	1022.4	8-(M2"-UN8)	28
32	800	190	977.9	4-(M1 1/2"-UN8)	28	241	1054.1	4-(M1 5/8"-UN8)	28	241	1079.5	8-(M2 1/4"-UN8)	28
36	900	203	1085.8	4-(M1 1/2"-UN8)	32	241	1168.4	8-(M2"-UN8)	32	241	1193.8	8-(M2 1/2"-UN8)	28
40	1000	216	1200.2	4-(M1 1/2"-UN8)	36	330	1155.7	8-(M1 5/8"-UN8)	32	330	1212.8	8-(M2 1/4"-UN8)	32
44	1100	254	1314.4	4-(M1 1/2"-UN8)	40	360	1263.6	8-(M1 3/4"-UN8)	32	360	1333.5	8-(M2 1/2"-UN8)	32
48	1200	254	1422.4	4-(M1 1/2"-UN8)	44	360	1371.6	8-(M1 7/8"-UN8)	32	360	1460.5	8-(M2 3/4"-UN8)	32
52	1300	279	1536.7	4-(M1 3/4"-UN8)	44	390	1479.6	8-(M2"-UN8)	32	390	1574.8	8-(M3"-UN8)	32
56	1400	279	1651	4-(M1 3/4"-UN8)	48	390	1600.2	8-(M2 1/4"-UN8)	28	390	1695.4	8-(M3 1/4"-UN8)	32
60	1500	318	1759	4-(M1 3/4"-UN8)	52	440	1701.8	8-(M2 1/4"-UN8)	32	440	1822.4	8-(M3 1/2"-UN8)	28

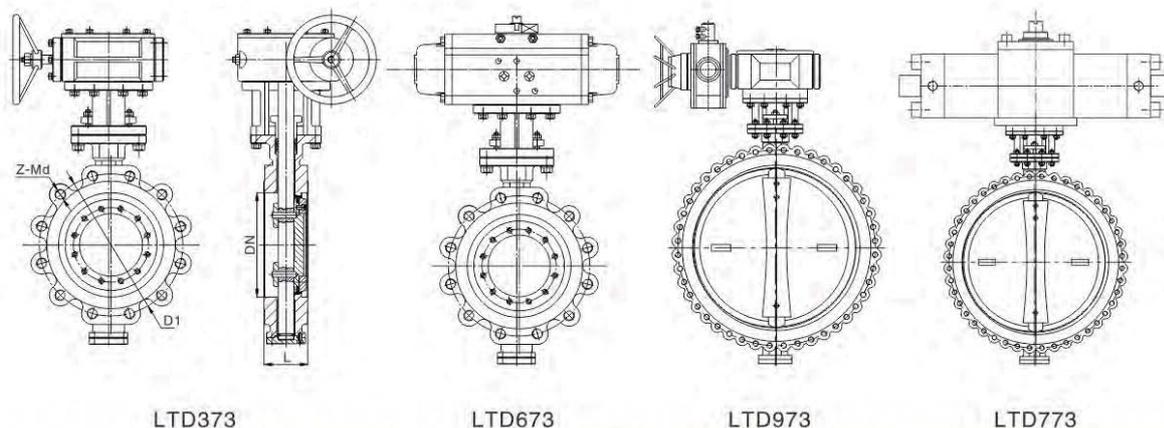
主要连接尺寸 Main Connection Dimensions

ASME B 16.47-2011 series B 单位: Unit: mm

通径 Diameter		150Lb				300Lb				600Lb			
Inch	mm	L1	D1	Z-Md	法兰 端孔数 Flange hole no.	L1	D1	Z-Md	法兰 端孔数 Flange hole no.	L1	D1	Z-Md	法兰 端孔数 Flange hole no.
26	650	165	744.5	4-(M3/4"-UNC10)	36	229	803.3	8-(M1 1/4"-UN8)	32	229	806.4	8-(M1 5/8"-UN8)	28
28	700	165	795.3	4-(M3/4"-UNC10)	40	229	857.2	8-(M1 1/4"-UN8)	36	229	863.6	8-(M1 3/4"-UN8)	28
30	750	190	846.1	4-(M3/4"-UNC10)	44	241	920.8	8-(M1 3/8"-UN8)	36	241	927.1	8-(M1 7/8"-UN8)	28
32	800	190	900.1	8-(M3/4"-UNC10)	48	241	977.9	8-(M1 1/2"-UN8)	32	241	984.2	8-(M2"-UN8)	28
36	900	203	1009.6	8-(M7/8"-UNC9)	44	241	1089	8-(M1 5/8"-UN8)	32	241	1104.9	8-(M2 1/4"-UN8)	28
40	1000	216	1120.8	8-(M1"-UN8)	44	330	1190.6	8-(M1 5/8"-UN8)	40				
44	1100	254	1222.4	8-(M1"-UN8)	52	360	1295.4	8-(M1 3/4"-UN8)	40				
48	1200	254	1335.1	8-(M1 1/8"-UN8)	44	360	1416	8-(M1 7/8"-UN8)	40				
52	1300	279	1436.7	8-(M1 1/8"-UN8)	52	390	1517.6	8-(M1 7/8"-UN8)	48				
56	1400	279	1543	8-(M1 1/8"-UN8)	60	390	1651	8-(M2 1/4"-UN8)	36				
60	1500	318	1662.1	8-(M1 1/4"-UN8)	52	440	1763.7	8-(M2 1/4"-UN8)	40				

美标凸耳式蝶阀 API Lug Butterfly Valve

DAGO



主要技术参数 Main Technology Parameter

公称压力 Nominal Pressure (MPa)	试验压力(MPa) Test Pressure (MPa)			适用温度 Applicable Temperature	适用介质 Applicable Media	驱动形式 Operation
	壳体试验 Shell Test	高压密封 High Pressure Seal	低压密封 Low Pressure Seal			
Class150	2.93	2.07	0.6	碳钢 Carbon steel: -29°C ~ 425°C 不锈钢 Stainless Steel: -100°C ~ 800°C	空气、水、蒸气、 煤气、油品以及酸、 碱、盐带有弱腐蚀性 介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、 气传动、 电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
Class300	7.58	5.52	0.6			
Class600	15.0	11.03	0.6			
Class900	20.9	15.3	0.6			

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

主要连接尺寸 Main Connection Dimensions

ASME 16.5-2013 单位: Unit: mm

通径 Diameter		150Lb			300Lb			600Lb		
Inch	mm	L1	D1	Z-Md	L1	D1	Z-Md	L1	D1	Z-Md
2	50	43	120.7	4-(M5/8"-UNC11)	43	127	8-(M5/8"-UNC11)	43	127	8-(M5/8"-UNC11)
2.5	65	46	139.7	4-(M5/8"-UNC11)	46	149.2	8-(M3/4"-UNC10)	46	149.2	8-(M3/4"-UNC10)
3	80	48	152.4	4-(M5/8"-UNC11)	48	168.3	8-(M3/4"-UNC10)	54	168.3	8-(M3/4"-UNC10)
4	100	54	190.5	8-(M5/8"-UNC11)	54	200	8-(M3/4"-UNC10)	64	215.9	8-(M7/8"-UNC9)
5	125	57	215.9	8-(M3/4"-UNC10)	59	235	8-(M3/4"-UNC10)	78	266.7	8-(M1"-UN8)
6	150	57	241.3	8-(M3/4"-UNC10)	59	269.9	12-(M3/4"-UNC10)	78	292.1	12-(M1"-UN8)
8	200	64	298.5	8-(M3/4"-UNC10)	73	330.2	12-(M7/8"-UNC9)	102	349.2	12-(M1 1/8"-UN8)
10	250	71	362	12-(M7/8"-UNC9)	83	387.4	16-(M1"-UN8)	117	431.8	16-(M1 1/4"-UN8)
12	300	81	431.8	12-(M7/8"-UNC9)	92	450.8	16-(M1 1/8"-UN8)	140	489	20-(M1 1/4"-UN8)
14	350	92	476.3	12-(M1"-UN8)	117	514.4	20-(M1 1/8"-UN8)	155	527	20-(M1 3/8"-UN8)
16	400	102	539.8	16-(M1"-UN8)	133	571.5	20-(M1 1/4"-UN8)	178	603.2	20-(M1 1/2"-UN8)
18	450	114	577.9	16-(M1 1/8"-UN8)	149	628.6	24-(M1 1/4"-UN8)	200	654	20-(M1 5/8"-UN8)
20	500	127	635	20-(M1 1/8"-UN8)	159	685.8	24-(M1 1/4"-UN8)	216	723.9	24-(M1 5/8"-UN8)
24	600	154	749.3	20-(M1 1/4"-UN8)	181	812.8	24-(M1 1/2"-UN8)	232	838.2	24-(M1 7/8"-UN8)

主要连接尺寸 Main Connection Dimensions

ASME B 16.47-2011 series A 单位: Unit: mm

通径 Diameter		150Lb			300Lb			600Lb		
Inch	mm	L1	D1	Z-Md	L1	D1	Z-Md	L1	D1	Z-Md
26	650	165	806.4	24-(M1 1/4"-UN8)	229	876.3	28-(M1 5/8"-UN8)	229	914.4	28-(M1 7/8"-UN8)
28	700	165	863.6	28-(M1 1/4"-UN8)	229	939.8	28-(M1 5/8"-UN8)	229	965.2	28-(M2"-UN8)
30	750	190	914.4	28-(M1 1/4"-UN8)	241	997	28-(M1 3/4"-UN8)	241	1022.4	28-(M2"-UN8)
32	800	190	977.9	28-(M1 1/2"-UN8)	241	1054.1	28-(M1 7/8"-UN8)	241	1079.5	28-(M2 1/4"-UN8)
36	900	203	1085.8	32-(M1 1/2"-UN8)	241	1168.4	32-(M2"-UN8)	241	1193.8	28-(M2 1/2"-UN8)
40	1000	216	1200.2	36-(M1 1/2"-UN8)	330	1155.7	32-(M1 5/8"-UN8)	330	1212.8	32-(M2 1/4"-UN8)
44	1100	254	1314.4	40-(M1 1/2"-UN8)	360	1263.6	32-(M1 3/4"-UN8)	360	1333.5	32-(M2 1/2"-UN8)
48	1200	254	1422.4	44-(M1 1/2"-UN8)	360	1371.6	32-(M1 7/8"-UN8)	360	1460.5	32-(M2 3/4"-UN8)
52	1300	279	1536.7	44-(M1 3/4"-UN8)	390	1479.6	32-(M2"-UN8)	390	1574.8	32-(M3"-UN8)
56	1400	279	1651	48-(M1 3/4"-UN8)	390	1600.2	28-(M2 1/4"-UN8)	390	1695.4	32-(M3 1/4"-UN8)
60	1500	318	1759	52-(M1 3/4"-UN8)	440	1701.8	32-(M2 1/4"-UN8)	440	1822.4	28-(M3 1/2"-UN8)

主要连接尺寸 Main Connection Dimensions

ASME B 16.47-2011 series B 单位: Unit: mm

通径 Diameter		150Lb			300Lb			600Lb		
Inch	mm	L1	D1	Z-Md	L1	D1	Z-Md	L1	D1	Z-Md
26	650	165	744.5	36-(M3/4"-UNC10)	229	803.3	32-(M1 1/4"-UN8)	229	806.4	28-(M1 5/8"-UN8)
28	700	165	795.3	40-(M3/4"-UNC10)	229	857.2	36-(M1 1/4"-UN8)	229	863.6	28-(M1 3/4"-UN8)
30	750	190	846.1	44-(M3/4"-UNC10)	241	920.8	36-(M1 5/8"-UN8)	241	927.1	28-(M1 7/8"-UN8)
32	800	190	900.1	48-(M3/4"-UNC10)	241	977.9	32-(M1 1/2"-UN8)	241	984.2	28-(M2"-UN8)
36	900	203	1009.6	44-(M7/8"-UNC9)	241	1089	32-(M1 5/8"-UN8)	241	1104.9	28-(M2 1/4"-UN8)
40	1000	216	1120.8	44-(M1"-UN8)	330	1190.6	40-(M1 5/8"-UN8)			
44	1100	254	1222.4	52-(M1"-UN8)	360	1295.4	40-(M1 3/4"-UN8)			
48	1200	254	1335.1	44-(M1 1/8"-UN8)	360	1416	40-(M1 7/8"-UN8)			
52	1300	279	1436.7	52-(M1 1/8"-UN8)	390	1517.6	48-(M1 7/8"-UN8)			
56	1400	279	1543	60-(M1 1/8"-UN8)	390	1651	36-(M2 1/4"-UN8)			
60	1500	318	1662.1	52-(M1 1/4"-UN8)	440	1763.7	40-(M2 1/4"-UN8)			



DIN

德标蝶阀性能、用途、特点

EN Butterfly Valve's Performance, Use and Characteristic

用途及特点 Purpose and Characteristic

硬密封蝶阀系列产品，是我公司新开发的长寿命、节能型蝶阀。

本产品由阀体、蝶板、密封圈、传动机构等主要部件组成。其结构采用二维或三维偏心原理设计，硬软多层次密封兼容的加工新工艺，使蝶阀在运行工作时，减少其扭矩力，达到省力、节能之功能。从而确保蝶阀整体的抗腐蚀、耐高温、抗磨损的可能性。其主要性能特点是：

- 1、结构独特、型小轻便、操作灵活、省力、方便；
- 2、密封可靠，可满足各级标准；
- 3、流量特性好，且具有调节功能；
- 4、采用偏心原理，使密封面近似零磨损，延长了阀门使用寿命；
- 5、应用范围广，可用于水、蒸气、油品、空气、煤气等介质；
- 6、适用不同温度及15.0MPa以下的压力等级、耐腐蚀等各种工况之管线。

Hard seal butterfly valve series products, is my company's new development of long-life, energy-saving butterfly valve.

This product is composed of main parts, such as valve body, butterfly plate, sealing ring, transmission mechanism and so on. The structure of the two-dimensional or three-dimensional eccentric principle design, a new machining process of hard and soft sealing multi-level compatible, butterfly valve in the operation, reduce the torque, achieving the function of saving, energy saving. So as to ensure the overall corrosion resistance, high temperature and wear resistance of the butterfly valve. Its main performance characteristics are:

1. Unique structure, small size, light, flexible operation, labor-saving and convenient;
2. Sealed reliable, can meet all levels of standards;
3. The flow characteristic is good, and has the adjustment function;
4. The use of eccentric principle, so that the close cover of zero wear and tear, to extend the service life of the valve;
5. Wide range of applications, can be used in water, steam, oil, air, gas and other media;
6. Applicable to different temperature and 15.0MPa below the pressure level, corrosion resistance and other conditions of the pipeline.

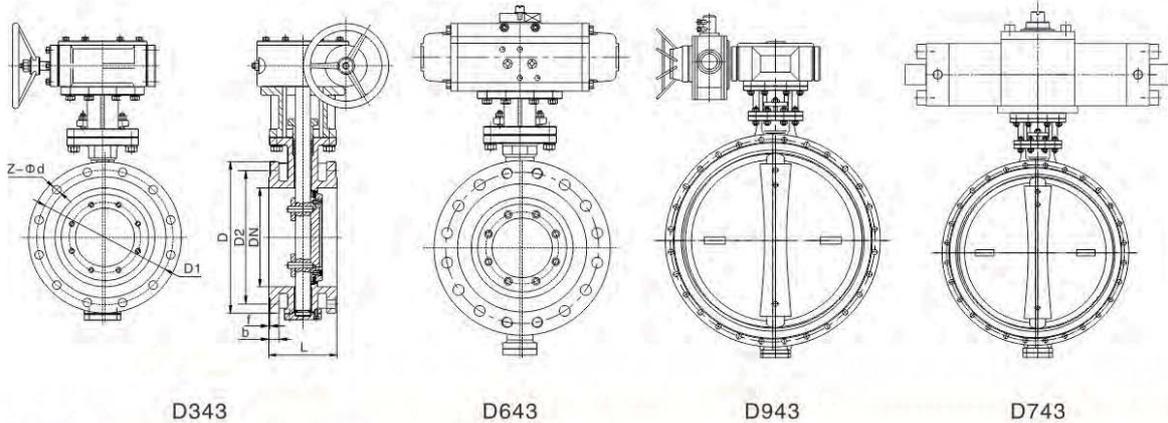
用途 Purpose

本蝶阀适用于食品、医药、石油化工、电厂、钢厂、工业环保水处理及高层建筑、供排水管道上作调节流量和截断流体最佳装置。

Our butterfly valves are widely used for food, pharmacy, petroleum and chemical industry, electric plant, steel plant, industrial environmental water treatment and high building, is the best device for adjusting and cutting the flow of water supply tube.

主要性能参数及采用标准 Main Performance Parameters and Standard

设计标准 Design Standard	EN593-2009							
法兰连接尺寸 Flange Connection Dimension	EN1092-1:2007							
结构长度 Face to Face Dimension	EN558-1:2008							
压力试验 Pressure Test	EN12266-1:2012							
公称通径 Nominal Diameter	50~2000							
公称压力 Nominal Pressure	1.0	1.6	2.5	4.0	6.3	10.0	15.0	
试验压力 Test Pressure	强度试验 Shell Test	1.5	2.4	3.75	6.0	9.5	14.4	20.9
	密封试验 Seal Test	1.1	1.76	2.75	4.4	7.0	10.6	15.3
	气密封试验 Air Tight Test	0.5~0.7MPa						
适用介质 Applicable Medium	水、油品、蒸汽、煤气、酸、碱等 Water, Oil, Steam, Gas, Acid, Alkali, Etc.							
适用温度 Applicable Temperature	-100℃~800℃							



主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter	公称压力 Nominal Pressure	试验压力(MPa) Test Pressure			渗透率 Leakage	适用温度 Appropriate Temperaturer	适用介质 Appropriate Medium	驱动形式 Drive Modality
		强度试验 Shell Test	密封试验 Seal Test	气密封试验 Air Sealing Test				
50~2000	0.6	0.9	0.66	0.6	EN12266-1:2012 规定的A级	碳钢 Carbon Steel: -29℃ ~ 425℃ 不锈钢 Stainless Steel: -40℃ ~ 600℃	空气、水、蒸气、煤气、油品以及酸、碱、盐带有弱腐蚀性介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、气传动、电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
	1.0	1.5	1.1	0.6				
	1.6	2.4	1.76	0.6				
	2.5	3.75	2.75	0.6				
50~600	4.0	6.0	4.4	0.6				
	6.3	9.5	14.4	0.6				
	10.0	7.0	10.6	0.6				
	15.0	20.9	15.3	0.6				

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

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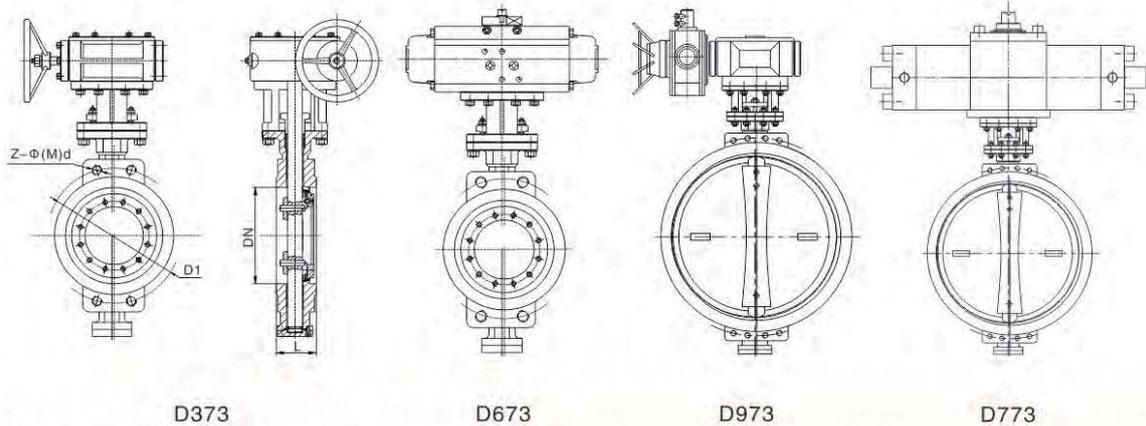
德标法兰式蝶阀 EN Flange Butterfly Valve

主要连接尺寸 Main Connection Dimensions

EN1092-1:2007 单位 Unit:mm

通径 Diameter (mm)	结构长度 Structural length		0.6MPa						1.0MPa						1.6MPa					
	L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
50	108	150	140	110	90	14	3	4-Φ14	165	125	102	18	3	4-Φ18	165	125	102	18	3	4-Φ18
65	112	170	160	130	110	14	3	4-Φ14	185	145	122	18	3	8-Φ18	185	145	122	18	3	8-Φ18
80	114	180	190	150	128	16	3	4-Φ18	200	160	138	20	3	8-Φ18	200	160	138	20	3	8-Φ18
100	127	190	210	170	148	16	3	4-Φ18	220	180	158	20	3	8-Φ18	220	180	158	20	3	8-Φ18
125	140	200	240	200	178	18	3	8-Φ18	250	210	188	22	3	8-Φ18	250	210	188	22	3	8-Φ18
150	140	210	265	225	202	18	3	8-Φ18	285	240	212	22	3	8-Φ22	285	240	212	22	3	8-Φ22
200	152	230	320	280	258	20	3	8-Φ18	340	295	268	24	3	8-Φ22	340	295	268	24	3	12-Φ22
250	165	250	375	335	312	22	3	12-Φ18	395	350	320	26	3	12-Φ22	405	355	320	26	3	12-Φ26
300	178	270	440	395	365	22	4	12-Φ22	445	400	370	26	4	12-Φ22	460	410	378	28	4	12-Φ26
350	190	290	490	445	415	22	4	12-Φ22	505	460	430	26	4	16-Φ22	520	470	438	30	4	16-Φ26
400	216	310	540	495	465	22	4	16-Φ22	565	515	482	26	4	16-Φ26	580	525	490	32	4	16-Φ30
450	222	330	595	550	520	22	4	16-Φ22	615	565	532	28	4	20-Φ26	640	585	550	40	4	20-Φ30
500	229	350	645	600	570	24	4	20-Φ22	670	620	585	28	4	20-Φ26	715	650	610	44	4	20-Φ33
600	267	390	755	705	670	30	5	20-Φ26	780	725	685	34	5	20-Φ30	840	770	725	54	5	20-Φ36
700	292	430	860	810	775	26	5	24-Φ26	895	840	800	34	5	24-Φ30	910	840	795	40	5	24-Φ36
800	318	470	975	920	880	26	5	24-Φ30	1015	950	905	36	5	24-Φ33	1025	950	900	42	5	24-Φ39
900	330	510	1075	1020	980	26	5	24-Φ30	1115	1050	1005	38	5	28-Φ33	1125	1050	1000	44	5	28-Φ39
1000	410	550	1175	1120	1080	26	5	28-Φ30	1230	1160	1110	38	5	28-Φ36	1255	1170	1115	46	5	28-Φ42
1200	470	630	1405	1340	1295	28	5	32-Φ33	1455	1380	1330	44	5	32-Φ39	1485	1390	1330	52	5	32-Φ48
1400	530	710	1630	1560	1510	32	5	36-Φ36	1675	1590	1535	48	5	36-Φ42	1685	1590	1530	58	5	36-Φ48
1600	600	790	1830	1760	1710	34	5	40-Φ36	1915	1820	1760	52	5	40-Φ48	1930	1820	1750	64	5	40-Φ56
1800	670	870	2045	1970	1920	36	5	44-Φ39	2115	2020	1960	56	5	44-Φ48	2130	2020	1950	68	5	44-Φ56
2000	760	950	2265	2180	2125	38	5	48-Φ42	2325	2230	2170	60	5	48-Φ48	2345	2230	2150	70	5	48-Φ62

通径 Diameter (mm)	2.5MPa						4.0MPa						6.3MPa						10.0MPa					
	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
50	165	125	102	20	3	4-Φ18	165	125	102	20	3	4-Φ18	180	135	102	26	3	4-Φ22	195	145	102	30	3	4-Φ26
65	185	145	122	22	3	8-Φ18	185	145	122	22	3	8-Φ18	205	160	122	26	3	8-Φ22	220	170	122	34	3	8-Φ26
80	200	160	138	24	3	8-Φ18	200	160	138	24	3	8-Φ18	215	170	138	28	3	8-Φ22	230	180	138	36	3	8-Φ26
100	235	190	162	24	3	8-Φ22	235	190	162	24	3	8-Φ22	250	200	162	30	3	8-Φ26	265	210	162	40	3	8-Φ30
125	270	220	188	26	3	8-Φ26	270	220	188	26	3	8-Φ26	295	240	188	34	3	8-Φ30	315	250	188	40	3	8-Φ33
150	300	250	218	28	3	8-Φ26	300	250	218	28	3	8-Φ26	345	280	218	36	3	8-Φ33	355	290	218	44	3	12-Φ33
200	360	310	278	30	3	12-Φ26	375	320	285	34	3	12-Φ30	415	345	285	42	3	12-Φ36	430	360	285	52	3	12-Φ36
250	425	370	335	32	3	12-Φ30	450	385	345	38	3	12-Φ33	470	400	345	46	3	12-Φ36	505	430	345	60	3	12-Φ39
300	485	430	395	34	4	16-Φ30	515	450	410	42	4	16-Φ33	530	460	410	52	4	16-Φ36	585	500	410	68	4	16-Φ42
350	555	490	450	38	4	16-Φ33	580	510	465	46	4	16-Φ36	600	525	465	56	4	16-Φ39	655	560	465	74	4	16-Φ48
400	620	550	505	40	4	16-Φ36	660	585	535	50	4	16-Φ39	670	585	535	60	4	16-Φ42						
450	670	600	555	46	4	20-Φ36	685	610	560	57	4	20-Φ39												
500	730	660	615	48	4	20-Φ36	755	670	615	57	4	20-Φ42												
600	845	770	720	58	5	20-Φ39	890	795	735	72	5	20-Φ48												
700	960	875	820	50	5	24-Φ42																		
800	1085	990	930	54	5	24-Φ48																		
900	1185	1090	1030	58	5	28-Φ48																		
1000	1320	1210	1140	62	5	28-Φ56																		
1200	1530	1420	1350	70	5	32-Φ56																		
1400	1755	1640	1560	76	5	36-Φ62																		
1600	1975	1860	1780	84	5	40-Φ62																		
1800	2195	2070	1985	90	5	44-Φ70																		
2000	2425	2300	2210	96	5	48-Φ70																		



主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter	公称压力 Nominal Pressure	试验压力(MPa) Test Pressure			渗漏率 Leakage	适用温度 Appropriate Temperatuer	适用介质 Appropriate Medium	驱动形式 Drive Modality
DN(mm)	PN(MPa)	强度试验 Shell Test	密封试验 Seal Test	气密封试验 Air Sealing Test	EN12266-1:2012 规定的A级	碳钢 Carbon Steel: -29℃ ~ 425℃ 不锈钢 Stainless Steel: -40℃ ~ 600℃	空气、水、蒸气、煤气、油品以及酸、碱、盐带有弱腐蚀性介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、气传动、电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
50 ~ 2000	0.6	0.9	0.66	0.6				
	1.0	1.5	1.1	0.6				
	1.6	2.4	1.76	0.6				
	2.5	3.75	2.75	0.6				
50-600	4.0	6.0	4.4	0.6				
	6.3	9.5	14.4	0.6				
	10.0	7.0	10.6	0.6				
	15.0	20.9	15.3	0.6				

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

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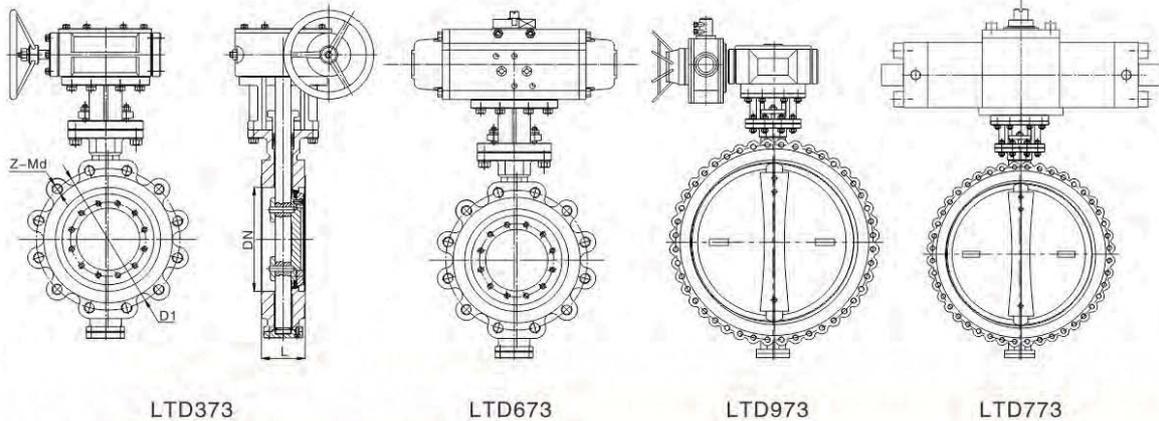
德标对夹式蝶阀 EN Wafer Butterfly Valve

主要连接尺寸 Main Connection Dimensions

EN1092-1:2007 单位 Unit:mm

通径 Diameter (mm)	结构长度 Structural length		0.6MPa			1.0MPa			1.6MPa			2.5MPa		
	L1	L2	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.									
50	43		110	4-Φ14	4	125	4-Φ18	4	125	4-Φ18	4	125	4-Φ18	4
65	46		130	4-Φ14	4	145	4-Φ18	8	145	4-Φ18	8	145	4-Φ18	8
80	49	64	150	4-Φ18	4	160	4-Φ18	8	160	4-Φ18	8	160	4-Φ18	8
100	56	64	170	4-Φ18	4	180	4-Φ18	8	180	4-Φ18	8	190	4-Φ22	8
125	64	70	200	4-Φ18	8	210	4-Φ18	8	210	4-Φ18	8	220	4-Φ26	8
150	70	76	225	4-Φ18	8	240	4-Φ22	8	240	4-Φ22	8	250	4-Φ26	8
200	71	89	280	4-Φ18	8	295	4-Φ22	8	295	4-Φ22	12	310	4-Φ26	12
250	76	114	335	4-Φ18	12	350	4-Φ22	12	355	4-Φ26	12	370	4-Φ30	12
300	83	114	395	4-Φ22	12	400	4-Φ22	12	410	4-Φ26	12	430	4-M27	16
350	92	127	445	4-Φ22	12	460	4-M20	16	470	4-M24	16	490	4-M30	16
400	102	140	495	4-M20	16	515	4-M24	16	525	4-M27	16	550	4-M33	16
450	114	152	550	4-M20	16	565	4-M24	20	585	4-M27	20	600	4-M33	20
500	127	152	600	4-M20	20	620	4-M24	20	650	4-M30	20	660	4-M33	20
600	154	178	705	4-M24	20	725	4-M27	20	770	4-M33	20	770	4-M36	20
700	165	229	810	4-M24	24	840	4-M27	24	840	4-M33	24	875	4-M39	24
800	190	241	920	4-M27	24	950	4-M30	24	950	4-M36	24	990	4-M45	24
900	203	241	1020	4-M27	24	1050	4-M30	28	1050	4-M36	28	1090	4-M45	28
1000	216	300	1120	4-M27	28	1160	4-M33	28	1170	4-M39	28	1210	4-M52	28
1200	254	360	1340	4-M30	32	1380	4-M36	32	1390	4-M45	32	1420	4-M52	32
1400	279	390	1560	4-M33	36	1590	4-M39	36	1590	4-M45	36	1640	4-M56	36
1600	318	440	1760	4-M33	40	1820	4-M45	40	1820	4-M52	40	1860	4-M56	40
1800	356	490	1970	4-M36	44	2020	4-M45	44	2020	4-M52	44	2070	4-M64	44
2000	406	540	2180	4-M39	48	2230	4-M45	48	2230	4-M56	48	2300	4-M64	48

通径 Diameter (mm)	结构长度 Structural length		4.0MPa			6.3MPa			10.0MPa		
	L1	L2	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.
50	43		125	4-Φ18	4	135	4-M20	4	145	4-M24	4
65	46		145	4-Φ18	8	160	4-M20	8	170	4-M24	8
80	49	64	160	4-Φ18	8	170	4-M20	8	180	4-M24	8
100	56	64	190	4-Φ22	8	200	4-M24	8	210	4-M27	8
125	64	70	220	4-Φ26	8	240	4-M27	8	250	4-M30	8
150	70	76	250	4-Φ26	8	280	4-M30	8	290	4-M30	12
200	71	89	320	4-M27	12	345	4-M33	12	360	4-M33	12
250	76	114	385	4-M30	12	400	4-M33	12	430	4-M36	12
300	83	114	450	4-M30	16	460	4-M33	16	500	4-M39	16
350	92	127	510	4-M33	16	525	4-M36	16	560	4-M45	16
400	102	140	585	4-M36	16	585	4-M39	16	620	4-M45	16
450	114	152	610	4-M36	20						
500	127	152	670	4-M39	20						
600	154	178	795	4-M45	20						



主要技术参数 Main Technology Parameter

公称口径 Nominal Diameter	公称压力 Nominal Pressure	试验压力(MPa) Test Pressure			泄漏率 Leakage	适用温度 Appropriate Temperature	适用介质 Appropriate Medium	驱动形式 Drive Modality
		强度试验 Shell Test	密封试验 Seal Test	气密封试验 Air Sealing Test				
DN(mm)	PN(MPa)				EN12266-1:2012 规定的A级	碳钢 Carbon Steel: -29℃ ~ 425℃ 不锈钢 Stainless Steel: -40℃ ~ 600℃	空气、水、蒸气、煤气、油品以及酸、碱、盐带有弱腐蚀性介质等 Air, Water, Steam, Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、气传动、电传动、液动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
50 ~ 2000	0.6	0.9	0.66	0.6				
	1.0	1.5	1.1	0.6				
	1.6	2.4	1.76	0.6				
	2.5	3.75	2.75	0.6				
50-600	4.0	6.0	4.4	0.6				
	6.3	9.5	14.4	0.6				
	10.0	7.0	10.6	0.6				
	15.0	20.9	15.3	0.6				

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

德标凸耳式蝶阀 EN Lug Butterfly Valve



主要连接尺寸 Main Connection Dimensions

EN1092-1:2007 单位 Unit:mm

通径 Diameter (mm)	结构长度 Structural length		0.6MPa		1.0MPa		1.6MPa		2.5MPa	
	L1	L2	D1	Z-Md	D1	Z-Md	D1	Z-Md	D1	Z-Md
50	43		110	4-M12	125	4-M16	125	4-M16	125	4-M16
65	46		130	4-M12	145	8-M16	145	8-M16	145	8-M16
80	49	64	150	4-M16	160	8-M16	160	8-M16	160	8-M16
100	56	64	170	4-M16	180	8-M16	180	8-M16	190	8-M20
125	64	70	200	8-M16	210	8-M16	210	8-M16	220	8-M24
150	70	76	225	8-M16	240	8-M20	240	8-M20	250	8-M24
200	71	89	280	8-M16	295	8-M20	295	12-M20	310	12-M24
250	76	114	335	12-M16	350	12-M20	355	12-M24	370	12-M27
300	83	114	395	12-M20	400	12-M20	410	12-M24	430	16-M27
350	92	127	445	12-M20	460	16-M20	470	16-M24	490	16-M30
400	102	140	495	16-M20	515	16-M24	525	16-M27	550	16-M33
450	114	152	550	16-M20	565	20-M24	585	20-M27	600	20-M33
500	127	152	600	20-M20	620	20-M24	650	20-M30	660	20-M33
600	154	178	705	20-M24	725	20-M27	770	20-M33	770	20-M36
700	165	229	810	24-M24	840	24-M27	840	24-M33	875	24-M39
800	190	241	920	24-M27	950	24-M30	950	24-M36	990	24-M45
900	203	241	1020	24-M27	1050	28-M30	1050	28-M36	1090	28-M45
1000	216	300	1120	28-M27	1160	28-M33	1170	28-M39	1210	28-M52
1200	254	360	1340	32-M30	1380	32-M36	1390	32-M45	1420	32-M52
1400	279	390	1560	36-M33	1590	36-M39	1590	36-M45	1640	36-M56
1600	318	440	1760	40-M33	1820	40-M45	1820	40-M52	1860	40-M56
1800	356	490	1970	44-M36	2020	44-M45	2020	44-M52	2070	44-M64
2000	406	540	2180	48-M39	2230	48-M45	2230	48-M56	2300	48-M64

通径 Diameter (mm)	结构长度 Structural length		4.0MPa		6.3MPa		10.0MPa	
	L1	L2	D1	Z-Md	D1	Z-Md	D1	Z-Md
50	43		125	4-M16	135	4-M20	145	4-M24
65	46		145	8-M16	160	8-M20	170	8-M24
80	49	64	160	8-M16	170	8-M20	180	8-M24
100	56	64	190	8-M20	200	8-M24	210	8-M27
125	64	70	220	8-M24	240	8-M27	250	8-M30
150	70	76	250	8-M24	280	8-M30	290	12-M30
200	71	89	320	12-M27	345	12-M33	360	12-M33
250	76	114	385	12-M30	400	12-M33	430	12-M36
300	83	114	450	16-M30	460	16-M33	500	16-M39
350	92	127	510	16-M33	525	16-M36	560	16-M45
400	102	140	585	16-M36	585	16-M39	620	16-M45
450	114	152	610	20-M36				
500	127	152	670	20-M39				
600	154	178	795	20-M45				



GOST

俄标蝶阀性能、用途、特点

Gost Butterfly Valve's Performance, Use and Characteristic

用途及特点 Purpose and Characteristic

硬密封蝶阀系列产品，是我公司新开发的长寿命、节能型蝶阀。

本产品由阀体、蝶板、密封圈、传动机构等主要部件组成。其结构采用二维或三维偏心原理设计，弹性密封和硬软多层次密封兼容的加工新工艺，使蝶阀在运行工作时，减少其扭矩力，达到省力、节能之功能。从而确保蝶阀整体的抗腐蚀、耐高温、抗磨损的可能性。其主要性能特点是：

- 1、结构独特、型小轻便、操作灵活、省力、方便；
- 2、密封可靠，可满足各级标准；
- 3、流量特性好，且具有调节功能；
- 4、采用偏心原理，使密封面近似零磨损，延长了阀门使用寿命；
- 5、应用范围广，可用于水、蒸气、油品、空气、煤气等介质；
- 6、适用不同温度及6.4MPa以下的压力等级、耐腐蚀等各种工况之管线。

Metal seated series butterfly valve is our company new product with long life and energy-saving.

This valve is composed of body, disc, seal ring, driving device and other main units. It adopts double or triple eccentric structure and resilience sealing, and soft/metal multilayer sealing. Its low torque achieves the function of saving energy when the butterfly valve is working. The ability of anti-corrosion, high temperature resistance, anti-wear is assured. Its main performance characteristics are:

1. Unique structure, light volume, smart operation, energy-saving, convenience;
2. Reliable sealing suits any standard;
3. Good flow character and adjustable function;
4. Eccentric theory is adopted to extend the valve service life and make the sealing surface almost zero wearing;
5. Widely used in various media, such as water, steam, oil, air, gas and etc.;
6. Suitable for pipelines of any working condition such as different temperature degree, pressure degrees below 6.4MPa, and corrosive medium.

用途 Purpose

本蝶阀适用于食品、医药、石油化工、电厂、钢厂、工业环保水处理及高层建筑、供排水管道上作调节流量和截断流体最佳装置。

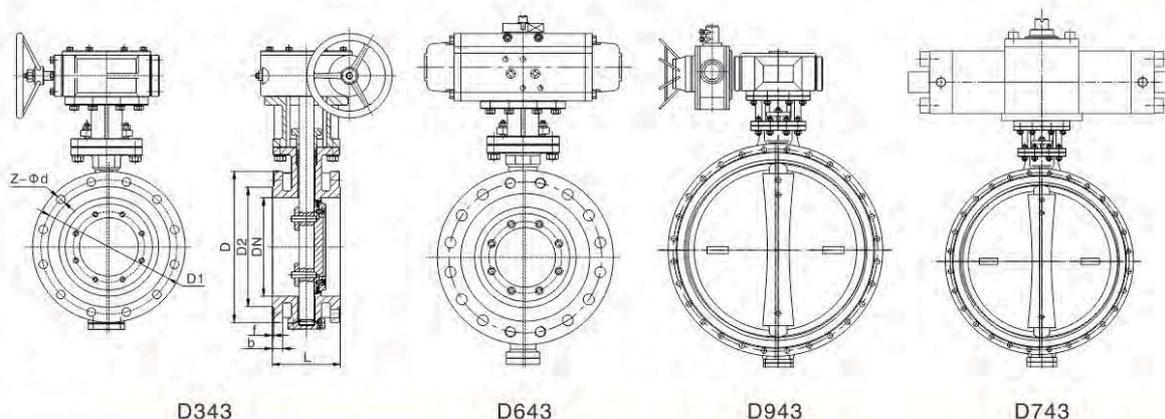
Our butterfly valves are widely used for food, pharmacy, petroleum and chemical industry, electric plant, steel plant, industrial environmental water treatment and high building, is the best device for adjusting and cutting the flow of water supply tube.

主要性能参数及采用标准 Main Performance Parameters and Standard

设计标准 Design Standard	EN593-2009							
法兰连接尺寸 Flange Connection Dimension	Gost 54432-2011							
结构长度 Face to Face Dimension	EN558-1:2008							
压力试验 Pressure Test	EN12266.1:2012							
公称通径 Nominal Diameter	50~2000							
公称压力 Nominal Pressure	1.0	1.6	2.5	4.0	6.3	10.0	15.0	
试验压力 Test Pressure	强度试验 Shell Test	1.5	2.4	3.75	6.0	9.5	14.4	20.9
	密封试验 Seal Test	1.1	1.76	2.75	4.4	7.0	10.6	15.3
	气密封试验 Air Tight Test	0.5-0.7MPa						
适用介质 Applicable Medium	水、油品、蒸汽、煤气、酸、碱等 Water, Oil, Steam, Gas, Acid, Alkali, Etc.							
适用温度 Applicable Temperature	-100℃~800℃							

俄标法兰式蝶阀 Gost Flange Butterfly Valve

DAGO



主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter	公称压力 Nominal Pressure	试验压力(MPa) Test Pressure			渗漏率 Leakage	适用温度 Appropriate Temperatuer	适用介质 Appropriate Medium	驱动形式 Drive Modality
DN(mm)	PN(MPa)	强度试验 Shell Test	密封试验 Seal Test	气密封试验 Air Sealing Test	EN12266:1- 2012 规定的A级	碳钢 Carbon Steel: -29℃ ~ 425℃ 不锈钢 Stainless Steel: -100℃ ~ 800℃	空气、水、蒸 气、煤气、油 品以及酸、碱、 盐带有弱腐蚀性 介质等 Air,Water,Steam Coal Gas,Oil and Acid,Alkali,Salt Corrosive Medium and so on.	蜗杆蜗轮传 动、气传动、 电传动、液动 传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
50 ~ 2000	0.6	0.9	0.66	0.6				
	1.0	1.5	1.1	0.6				
	1.6	2.4	1.76	0.6				
	2.5	3.75	2.75	0.6				
50 ~ 600	4.0	6.0	4.4	0.6				
	6.3	14.4	9.5	0.6				
	10.0	10.6	7.0	0.6				
	15.0	20.9	15.3	0.6				

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB,CF8,CF3,CF3M,CF8M,2205,2507,WC6,LCB, C95800等
蝶板 Disc	WCB,CF8,CF3,CF3M,CF8M,2205,2507,WC6,LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite,SS304+STL,SS316+Graphite,SS316L+Graphite, SS316L+STL,S31803+Graphite,S31803+STL PTFE,RPTFE,PPL,EPDM,NBR等
阀杆 Stem	F6a,F304,F304L,F316,F316L,F51,F53,Monel K400/500, 17-4PH等
轴套 Bushing	SF-1,SF-1B,SS304,SS316,SS304+PTFE,SS316+PTFE等
填料 Packing	Graphite,PTFE,PPL等

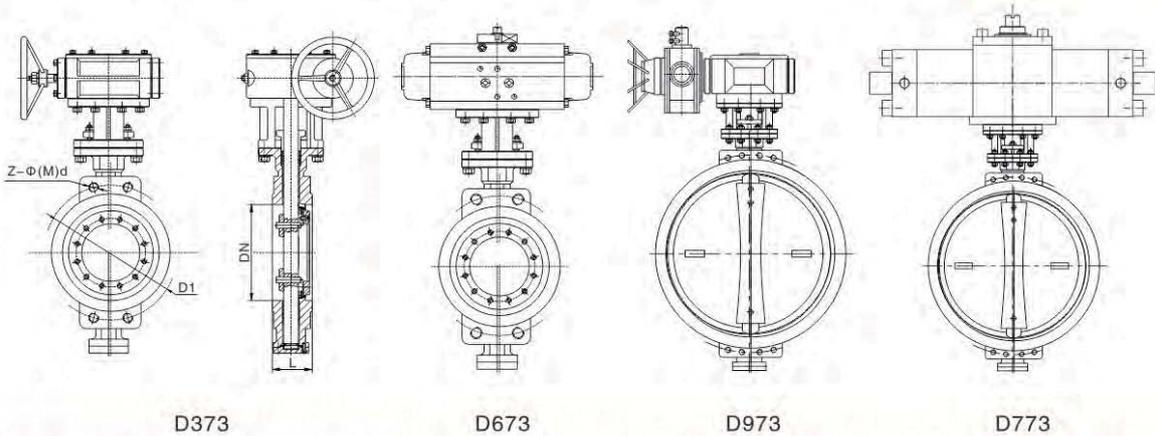
主要连接尺寸 Main Connection Dimensions

GOST 54432-2011 单位: Unit: mm

通径 Diameter (mm)	结构长度 Structural length		0.6MPa						1.0MPa						1.6MPa					
	L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
50	108	150	140	110	88	16	2	4-Φ14	160	125	99	20	2	4-Φ18	160	125	99	20	2	4-Φ18
65	112	170	160	130	108	16	2	4-Φ14	180	145	118	20	2	8-Φ18	180	145	118	20	2	8-Φ18
80	114	180	185	150	124	18	2	4-Φ18	195	160	132	20	2	8-Φ18	195	160	132	20	2	8-Φ18
100	127	190	205	170	144	18	2	4-Φ18	215	180	156	22	2	8-Φ18	215	180	156	22	2	8-Φ18
125	140	200	235	200	174	18	2	8-Φ18	245	210	184	22	2	8-Φ18	245	210	184	22	2	8-Φ18
150	140	210	260	225	199	20	2	8-Φ18	280	240	211	24	2	8-Φ22	280	240	211	24	2	8-Φ22
200	152	230	315	280	254	22	2	8-Φ18	335	295	266	24	2	8-Φ22	335	295	266	24	2	12-Φ22
250	165	250	370	335	309	24	2	12-Φ18	390	350	319	26	2	12-Φ22	405	355	319	26	2	12-Φ26
300	178	270	435	395	363	24	2	12-Φ22	440	400	370	26	2	12-Φ22	460	410	370	28	2	12-Φ26
350	190	290	485	445	413	24	2	12-Φ22	500	460	429	26	2	16-Φ22	520	470	429	30	2	16-Φ26
400	216	310	540	495	463	24	2	16-Φ22	565	515	480	26	2	16-Φ26	580	525	480	32	2	16-Φ30
450	222	330	590	550	518	24	2	16-Φ22	615	565	530	28	2	20-Φ26	640	585	548	40	2	20-Φ30
500	229	350	640	600	568	26	2	20-Φ22	670	620	582	28	2	20-Φ26	710	650	609	44	2	20-Φ33
600	267	390	755	705	667	30	2	20-Φ26	780	725	682	34	2	20-Φ30	840	770	720	54	2	20-Φ36
700	292	430	860	810	772	26	5	24-Φ26	895	840	794	30	5	24-Φ30	910	840	794	38	5	24-Φ36
800	318	470	975	920	878	26	5	24-Φ30	1010	950	901	32	5	24-Φ33	1020	950	901	38	5	24-Φ39
900	330	510	1075	1020	978	26	5	24-Φ30	1115	1050	1001	34	5	28-Φ33	1120	1050	1001	40	5	28-Φ39
1000	410	550	1175	1120	1078	26	5	28-Φ30	1230	1160	1112	34	5	28-Φ36	1255	1170	1112	42	5	28-Φ42
1200	470	630	1400	1340	1295	28	5	32-Φ33	1455	1380	1328	38	5	32-Φ39	1485	1390	1328	48	5	32-Φ48
1400	530	710	1620	1560	1510	32	5	36-Φ36	1675	1590	1530	42	5	36-Φ42	1685	1590	1530	52	5	36-Φ48
1600	600	790	1830	1760	1710	34	5	40-Φ36	1915	1820	1750	46	5	40-Φ48	1930	1820	1750	58	5	40-Φ55
1800	670	870	2045	1970	1918	36	5	44-Φ39	2115	2020	1950	50	5	44-Φ48	2130	2020	1950	62	5	44-Φ55
2000	760	950	2265	2180	2125	38	5	48-Φ42	2325	2230	2150	54	5	48-Φ48	2345	2230	2150	66	5	48-Φ60

通径 Diameter (mm)	2.5MPa						4.0MPa						6.3MPa						10.0MPa						
	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	
50	160	125	99	20	2	4-Φ18	160	125	99	20	2	4-Φ18	175	135	102	26	3	4-Φ22	195	145	102	28	3	4-Φ26	
65	180	145	118	22	2	8-Φ18	180	145	118	22	2	8-Φ18	200	160	122	28	3	8-Φ22	220	170	122	32	3	8-Φ26	
80	195	160	132	24	2	8-Φ18	195	160	132	24	2	8-Φ18	210	170	133	30	3	8-Φ22	230	180	133	34	3	8-Φ26	
100	230	190	156	24	2	8-Φ22	230	190	156	24	2	8-Φ22	250	200	158	32	3	8-Φ26	265	210	158	38	3	8-Φ30	
125	270	220	184	26	2	8-Φ26	270	220	184	26	2	8-Φ26	295	240	184	36	3	8-Φ30	310	250	184	42	3	8-Φ33	
150	300	250	211	28	2	8-Φ26	300	250	218	28	2	8-Φ26	340	280	212	38	3	8-Φ33	350	290	212	46	3	12-Φ33	
200	360	310	274	30	2	12-Φ26	375	320	284	34	2	12-Φ30	405	345	285	44	3	12-Φ33	430	360	285	54	3	12-Φ39	
250	425	370	330	32	2	12-Φ30	445	385	345	38	2	12-Φ33	470	400	345	48	3	12-Φ39	500	430	345	60	3	12-Φ39	
300	485	430	389	34	2	16-Φ30	510	450	409	42	2	16-Φ33	530	460	410	54	4	16-Φ39	585	500	410	70	4	16-Φ45	
350	550	490	448	38	2	16-Φ33	570	510	465	46	2	16-Φ36	595	525	465	60	4	16-Φ39	655	560	465	76	4	16-Φ52	
400	610	550	503	40	2	16-Φ36	660	585	535	50	2	16-Φ39	670	585	535	66	4	16-Φ45	715	620	535	80	4	16-Φ52	
450	660	600	548	46	2	20-Φ36	680	610	560	57	2	20-Φ39													
500	730	660	609	48	2	20-Φ36	755	670	615	57	2	20-Φ42													
600	840	770	720	58	2	20-Φ39	890	795	735	72	2	20-Φ48													
700	960	875	820	46	5	24-Φ42																			
800	1075	990	928	50	5	24-Φ48																			
900	1185	1090	1028	54	5	28-Φ48																			
1000	1315	1210	1140	58	5	28-Φ55																			

俄标对夹式蝶阀 Gost Wafer Butterfly Valve



主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter	公称压力 Nominal Pressure	试验压力(MPa) Test Pressure			渗漏率 Leakage	适用温度 Appropriate Temperature	适用介质 Appropriate Medium	驱动形式 Drive Modality
DN(mm)	PN(MPa)	强度试验 Shell Test	密封试验 Seal Test	气密封试验 Air Sealing Test	EN12266:1-2012 规定的A级	碳钢 Carbon Steel: -29°C~425°C 不锈钢 Stainless Steel: -100°C~800°C	空气、水、蒸气、煤气、油品以及酸、碱、盐带有弱腐蚀性介质等 Air, Water, Steam, Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、气传动、电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
50 ~ 2000	0.6	0.9	0.66	0.6				
	1.0	1.5	1.1	0.6				
	1.6	2.4	1.76	0.6				
	2.5	3.75	2.75	0.6				
50 ~ 600	4.0	6.0	4.4	0.6				
	6.3	14.4	9.5	0.6				
	10.0	10.6	7.0	0.6				
	15.0	20.9	15.3	0.6				

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

主要连接尺寸 Main Connection Dimensions

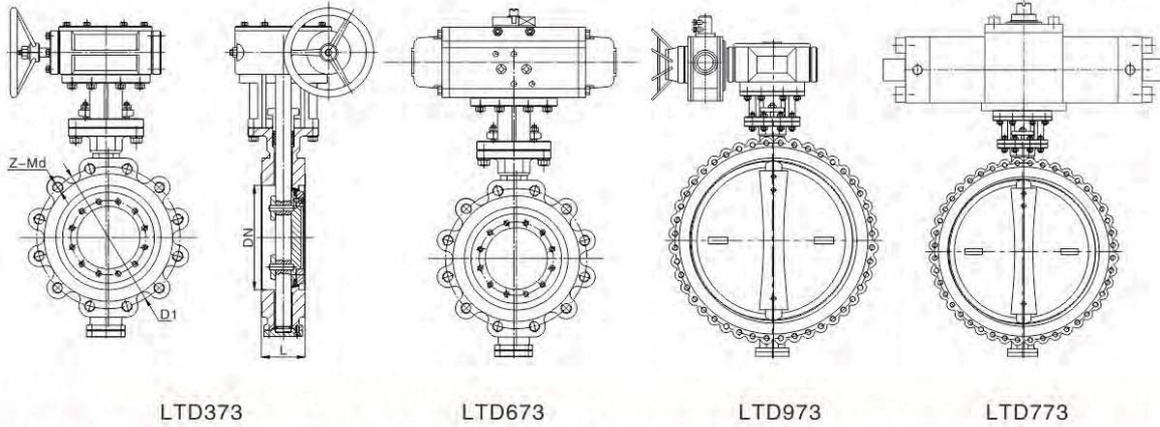
GOST 54432-2011单位Unit:mm

通径 Diameter (mm)	结构长度 Structural length		0.6MPa			1.0MPa			1.6MPa			2.5MPa		
	L1	L2	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.									
50	43		110	4-Φ14	4	125	4-Φ18	4	125	4-Φ18	4	125	4-Φ18	4
65	46		130	4-Φ14	4	145	4-Φ18	8	145	4-Φ18	8	145	4-Φ18	8
80	49	64	150	4-Φ18	4	160	4-Φ18	8	160	4-Φ18	8	160	4-Φ18	8
100	56	64	170	4-Φ18	4	180	4-Φ18	8	180	4-Φ18	8	190	4-Φ22	8
125	64	70	200	4-Φ18	8	210	4-Φ18	8	210	4-Φ18	8	220	4-Φ26	8
150	70	76	225	4-Φ18	8	240	4-Φ22	8	240	4-Φ22	8	250	4-Φ26	8
200	71	89	280	4-Φ18	8	295	4-Φ22	8	295	4-Φ22	12	310	4-Φ26	12
250	76	114	335	4-Φ18	12	350	4-Φ22	12	355	4-Φ26	12	370	4-Φ30	12
300	83	114	395	4-Φ22	12	400	4-Φ22	12	410	4-Φ26	12	430	4-M27	16
350	92	127	445	4-Φ22	12	460	4-M20	16	470	4-M24	16	490	4-M30	16
400	102	140	495	4-M20	16	515	4-M24	16	525	4-M27	16	550	4-M33	16
450	114	152	550	4-M20	16	565	4-M24	20	585	4-M27	20	600	4-M33	20
500	127	152	600	4-M20	20	620	4-M24	20	650	4-M30	20	660	4-M33	20
600	154	178	705	4-M24	20	725	4-M27	20	770	4-M33	20	770	4-M36	20
700	165	229	810	4-M24	24	840	4-M27	24	840	4-M33	24	875	4-M39	24
800	190	241	920	4-M27	24	950	4-M30	24	950	4-M36	24	990	4-M45	24
900	203	241	1020	4-M27	24	1050	4-M30	28	1050	4-M36	28	1090	4-M45	28
1000	216	300	1120	4-M27	28	1160	4-M33	28	1170	4-M39	28	1210	4-M52	28
1200	254	360	1340	4-M30	32	1380	4-M36	32	1390	4-M45	32			
1400	279	390	1560	4-M33	36	1590	4-M39	36	1590	4-M45	36			
1600	318	440	1760	4-M33	40	1820	4-M45	40	1820	4-M52	40			
1800	356	490	1970	4-M36	44	2020	4-M45	44	2020	4-M52	44			
2000	406	540	2180	4-M39	48	2230	4-M45	48	2230	4-M56	48			

通径 Diameter (mm)	结构长度 Structural length		4.0MPa			6.3MPa			10.0MPa		
	L1	L2	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.
50	43		125	4-Φ18	4	135	4-M20	4	145	4-M24	4
65	46		145	4-Φ18	8	160	4-M20	8	170	4-M24	8
80	49	64	160	4-Φ18	8	170	4-M20	8	180	4-M24	8
100	56	64	190	4-Φ22	8	200	4-M24	8	210	4-M27	8
125	64	70	220	4-Φ26	8	240	4-M27	8	250	4-M30	8
150	70	76	250	4-Φ26	8	280	4-M30	8	290	4-M30	12
200	71	89	320	4-M27	12	345	4-M30	12	360	4-M36	12
250	76	114	385	4-M30	12	400	4-M36	12	430	4-M36	12
300	83	114	450	4-M30	16	460	4-M36	16	500	4-M42	16
350	92	127	510	4-M33	16	525	4-M36	16	560	4-M48	16
400	102	140	585	4-M36	16	585	4-M42	16	620	4-M48	16
450	114	152	610	4-M36	20						
500	127	152	670	4-M39	20						
600	154	178	795	4-M45	20						
700	165	229									
800	190	241									
900	203	241									
1000	216	300									
1200	254	360									
1400	279	390									
1600	318	440									
1800	356	490									

俄标凸耳式蝶阀 Gost Lug Butterfly Valve

DAGO



主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter	公称压力 Nominal Pressure	试验压力(MPa) Test Pressure			渗漏率 Leakage	适用温度 Appropriate Temperature	适用介质 Appropriate Medium	驱动形式 Drive Modality	
		强度试验 Shell Test	密封试验 Seal Test	气密封试验 Air Sealing Test					
DN(mm)	PN(MPa)	强度试验	密封试验	气密封试验	EN12266:1-2012规定的A级	碳钢 Carbon Steel: -29°C ~ 425°C 不锈钢 Stainless Steel: -100°C ~ 800°C	空气、水、蒸气、煤气、油品以及酸、碱、盐带有弱腐蚀性介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、气传动、电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission	
		0.6	0.9	0.66					0.6
		1.0	1.5	1.1					0.6
		1.6	2.4	1.76					0.6
50 ~ 2000		2.5	3.75	2.75	0.6				
		4.0	6.0	4.4	0.6				
		6.3	14.4	9.5	0.6				
		10.0	10.6	7.0	0.6				
50 ~ 600		15.0	20.9	15.3	0.6				

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

主要连接尺寸 Main Connection Dimensions

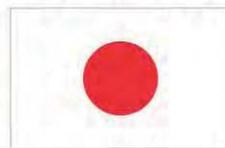
俄标 GOST 54432-2017单位Unit:mm

通径 Diameter (mm)	结构长度 Structural length		0.6MPa		1.0MPa		1.6MPa		2.5MPa	
	L1	L2	D1	Z-Md	D1	Z-Md	D1	Z-Md	D1	Z-Md
50	43		110	4-M12	125	4-M16	125	4-M16	125	4-M16
65	46		130	4-M12	145	8-M16	145	8-M16	145	8-M16
80	49	64	150	4-M16	160	8-M16	160	8-M16	160	8-M16
100	56	64	170	4-M16	180	8-M16	180	8-M16	190	8-M20
125	64	70	200	8-M16	210	8-M16	210	8-M16	220	8-M24
150	70	76	225	8-M16	240	8-M20	240	8-M20	250	8-M24
200	71	89	280	8-M16	295	8-M20	295	12-M20	310	12-M24
250	76	114	335	12-M16	350	12-M20	355	12-M24	370	12-M27
300	83	114	395	12-M20	400	12-M20	410	12-M24	430	16-M27
350	92	127	445	12-M20	460	16-M20	470	16-M24	490	16-M30
400	102	140	495	16-M20	515	16-M24	525	16-M27	550	16-M33
450	114	152	550	16-M20	565	20-M24	585	20-M27	600	20-M33
500	127	152	600	20-M20	620	20-M24	650	20-M30	660	20-M33
600	154	178	705	20-M24	725	20-M27	770	20-M33	770	20-M36
700	165	229	810	24-M24	840	24-M27	840	24-M33	875	24-M39
800	190	241	920	24-M27	950	24-M30	950	24-M36	990	24-M45
900	203	241	1020	24-M27	1050	28-M30	1050	28-M36	1090	28-M45
1000	216	300	1120	28-M27	1160	28-M33	1170	28-M39	1210	28-M52
1200	254	360	1340	32-M30	1380	32-M36	1390	32-M45	1420	32-M52
1400	279	390	1560	36-M33	1590	36-M39	1590	36-M45		
1600	318	440	1760	40-M33	1820	40-M45	1820	40-M52		
1800	356	490	1970	44-M36	2020	44-M45	2020	44-M52		
2000	406	540	2180	48-M39	2230	48-M45	2230	48-M56		

通径 Diameter (mm)	结构长度 Structural length		4.0MPa		6.3MPa		10.0MPa	
	L1	L2	D1	Z-Md	D1	Z-Md	D1	Z-Md
50	43		125	4-M16	135	4-M20	145	4-M24
65	46		145	8-M16	160	8-M20	170	8-M24
80	49	64	160	8-M16	170	8-M20	180	8-M24
100	56	64	190	8-M20	200	8-M24	210	8-M27
125	64	70	220	8-M24	240	8-M27	250	8-M30
150	70	76	250	8-M24	280	8-M30	290	12-M30
200	71	89	320	12-M27	345	12-M30	360	12-M36
250	76	114	385	12-M30	400	12-M36	430	12-M36
300	83	114	450	16-M30	460	16-M36	500	16-M42
350	92	127	510	16-M33	525	16-M36	560	16-M48
400	102	140	585	16-M36	585	16-M42	620	16-M48
450	114	152	610	20-M36				
500	127	152	670	20-M39				
600	154	178	795	20-M45				
700	165	229						
800	190	241						

日标蝶阀性能、用途、特点

JIS Butterfly Valve's Performance, Use and Characteristic



JIS

用途及特点 Purpose and Characteristic

硬密封蝶阀系列产品，是我公司新开发的长寿命、节能型蝶阀。

本产品由阀体、蝶板、密封圈、传动机构等主要部件组成。其结构采用二维或三维偏心原理设计，硬软多层次密封兼容的加工新工艺，使蝶阀在运行工作时，减少其扭矩力，达到省力、节能之功能。从而确保蝶阀整体的抗腐蚀、耐高温、抗磨损的可能性。其主要性能特点是：

- 1、结构独特、型小轻便、操作灵活、省力、方便；
- 2、密封可靠，可满足各级标准；
- 3、流量特性好，且具有调节功能；
- 4、采用偏心原理，使密封面近似零磨损，延长了阀门使用寿命；
- 5、应用范围广，可用于水、蒸气、油品、空气、煤气等介质；
- 6、适用不同温度及15.0MPa以下的压力等级、耐腐蚀等各种工况之管线。

Hard seal butterfly valve series products, is my company's new development of long-life, energy-saving butterfly valve.

This product is composed of main parts, such as valve body, butterfly plate, sealing ring, transmission mechanism and so on. The structure of the two-dimensional or three-dimensional eccentric principle design, a new machining process of hard and soft sealing multi-level compatible, butterfly valve in the operation, reduce the torque, achieving the function of saving, energy saving. So as to ensure the overall corrosion resistance, high temperature and wear resistance of the butterfly valve. Its main performance characteristics are:

1. Unique structure, small size, light, flexible operation, labor-saving and convenient;
2. Sealed reliable, can meet all levels of standards;
3. The flow characteristic is good, and has the adjustment function;
4. The use of eccentric principle, so that the close cover of zero wear and tear, to extend the service life of the valve;
5. Wide range of applications, can be used in water, steam, oil, air, gas and other media;
6. Applicable to different temperature and 15.0MPa below the pressure level, corrosion resistance and other conditions of the pipeline.

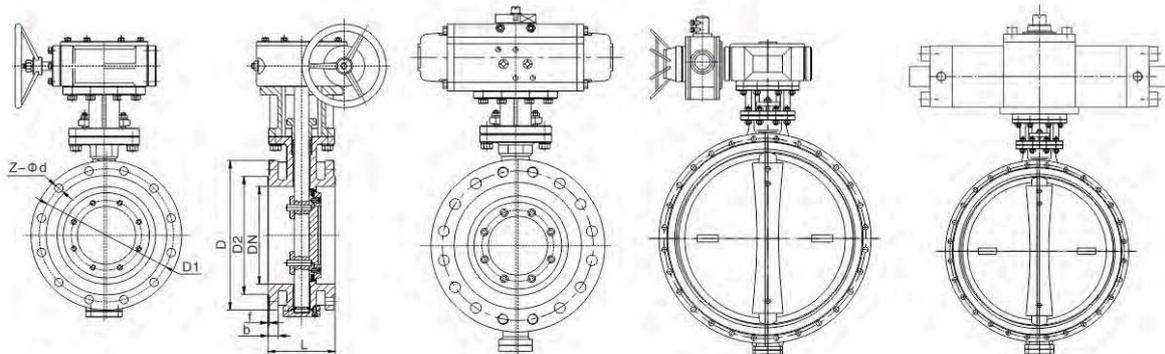
用途 Purpose

本蝶阀适用于食品、医药、石油化工、电厂、钢厂、工业环保水处理及高层建筑、供排水管道上作调节流量和截断流体最佳装置。

Our butterfly valves are widely used for food, pharmacy, petroleum and chemical industry, electric plant, steel plant, industrial environmental water treatment and high building, is the best device for adjusting and cutting the flow of water supply tube.

主要性能参数及采用标准 Main Performance Parameters and Standard

设计标准 Design Standard	JIS B2071-2000					
法兰连接尺寸 Flange Connection Dimension	JIS B2220-2004					
结构长度 Face to Face Dimension	JIS B2002-2000					
压力试验 Pressure Test	JIS B2003-1994					
公称通径 Nominal Diameter	50~1500					
公称压力 Nominal Pressure	5K	10K	16K	20K	30K	
试验压力 Test Pressure	强度试验 Shell Test	1.5	3.0	6.0	7.5	9.5
	密封试验 Seal Test	1.1	2.2	4.4	5.5	7.0
	气密封试验 Air Tight Test	0.5~0.7MPa				
适用介质 Applicable Medium	水、油品、蒸汽、煤气、酸、碱等 Water, Oil, Steam, Gas, Acid, Alkali, Etc.					
适用温度 Applicable Temperature	-100℃~800℃					



D343

D643

D943

D743

主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter DN(mm)	公称压力 Nominal Pressure (MPa)	试验压力(MPa) Test Pressure (MPa)		适用温度 Applicable Temperature	适用介质 Applicable Media	驱动形式 Operation
		强度试验 Shell Test	密封试验 Seal Test			
50~1500	5K	1.5	1.1	碳钢 Carbon steel: -29°C ~ 425°C 不锈钢 Stainless Steel: -100°C~800°C	空气、水、蒸气、 煤气、油品以及酸、 碱、盐带有弱腐蚀性 介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、 气传动、 电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
	10K	3.0	2.2			
	16K	6.0	4.4			
	20K	7.5	5.5			
	30K	9.5	7.0			

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

日标法兰式蝶阀 JIS Flanged Butterfly Valve

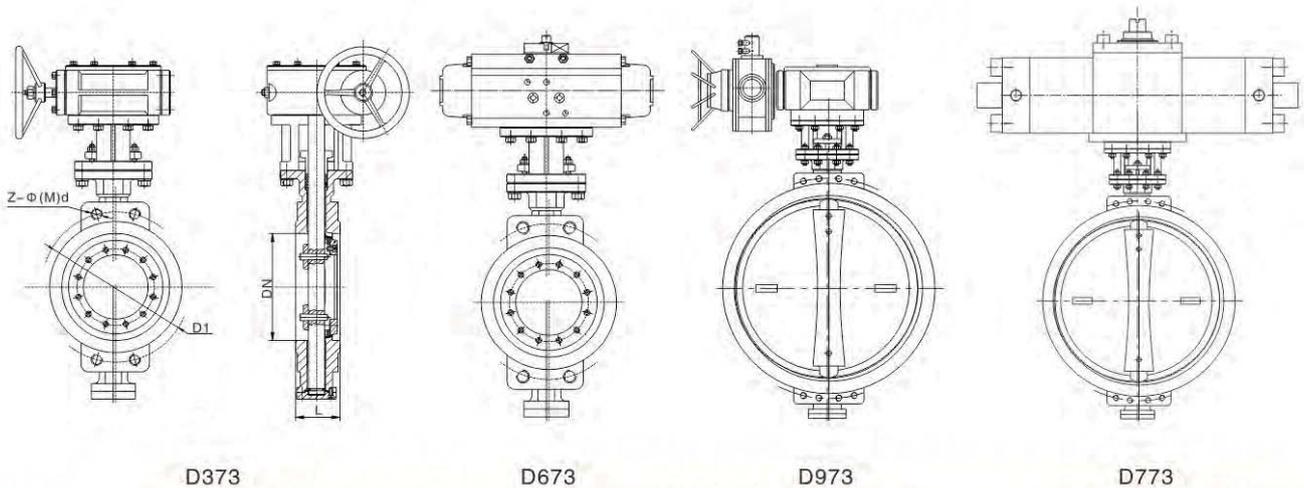


主要连接尺寸 Main Connection Dimensions

JIS B 2220-2012 单位 Unit: mm

通径 Diameter (mm)	结构长度 Structural length		5K						10K						16K					
	L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
50	108	150	130	105	85	14	2	4-Φ15	155	120	96	16	2	4-Φ19	155	120	96	16	2	8-Φ19
65	112	170	155	130	110	14	2	4-Φ15	175	140	116	18	2	4-Φ19	175	140	116	18	2	8-Φ19
80	114	180	180	145	121	14	2	4-Φ19	185	150	126	18	2	8-Φ19	200	160	132	20	2	8-Φ23
100	127	190	200	165	141	16	2	8-Φ19	210	175	151	18	2	8-Φ19	225	185	160	22	2	8-Φ23
125	140	200	235	200	176	16	2	8-Φ19	250	210	182	20	2	8-Φ23	270	225	195	22	2	8-Φ25
150	140	210	265	230	206	18	2	8-Φ19	280	240	212	22	2	8-Φ23	305	260	230	24	2	12-Φ25
200	152	230	320	280	252	20	2	8-Φ23	330	290	262	22	2	12-Φ23	350	305	275	26	2	12-Φ25
250	165	250	385	345	317	22	2	12-Φ23	400	355	324	22	2	12-Φ25	430	380	345	28	2	12-Φ27
300	178	270	430	390	360	22	3	12-Φ23	445	400	368	24	3	16-Φ25	480	430	395	30	3	16-Φ27
350	190	290	480	435	403	24	3	12-Φ25	490	445	413	26	3	16-Φ25	540	480	440	34	3	16-Φ33
400	216	310	540	495	463	24	3	16-Φ25	560	510	475	28	3	16-Φ27	605	540	495	38	3	16-Φ33
450	222	330	605	555	523	24	3	16-Φ25	620	565	530	30	3	20-Φ27	675	605	560	40	3	20-Φ33
500	229	350	655	605	573	24	3	20-Φ25	675	620	585	30	3	20-Φ27	730	660	615	42	3	20-Φ33
550	229	350	720	665	630	26	3	20-Φ27	745	680	640	32	3	20-Φ33	795	720	670	44	3	20-Φ39
600	267	390	770	715	680	26	3	20-Φ27	795	730	690	32	3	24-Φ33	845	770	720	46	3	24-Φ39
650	267	390	825	770	735	26	3	24-Φ27	845	780	740	34	3	24-Φ33						
700	292	430	875	820	785	26	3	24-Φ27	905	840	800	34	3	24-Φ33						
750	292	430	945	880	840	28	3	24-Φ33	970	900	855	36	3	24-Φ33						
800	318	470	995	930	890	28	3	24-Φ33	1020	950	905	36	3	28-Φ33						
850	318	470	1045	980	940	28	3	24-Φ33	1070	1000	955	36	3	28-Φ33						
900	330	510	1095	1030	990	30	3	24-Φ33	1120	1050	1005	38	3	28-Φ33						
1000	410	550	1195	1130	1090	32	3	28-Φ33	1235	1160	1110	40	3	28-Φ39						
1100	410	550	1305	1240	1200	32	3	28-Φ33	1345	1270	1220	42	3	28-Φ39						
1200	470	630	1420	1350	1305	34	3	32-Φ33	1465	1380	1325	44	3	32-Φ39						
1500	530	710	1730	1660	1615	36	3	36-Φ33	1795	1700	1635	50	3	40-Φ45						

通径 Diameter (mm)	结构长度 Structural length		20K						30K					
	L1	L2	D	D1	D2	b	f	Z-Φd	D	D1	D2	b	f	Z-Φd
50	108	150	155	120	96	18	2	8-Φ19	165	130	105	22	2	8-Φ19
65	112	170	175	140	116	20	2	8-Φ19	200	160	130	26	2	8-Φ23
80	114	180	200	160	132	22	2	8-Φ23	210	170	140	28	2	8-Φ23
100	127	190	225	185	160	24	2	8-Φ23	240	195	160	32	2	8-Φ25
125	140	200	270	225	195	26	2	8-Φ25	275	230	195	36	2	8-Φ25
150	140	210	305	260	230	28	2	12-Φ25	325	275	235	38	2	12-Φ27
200	152	230	350	305	275	30	2	12-Φ25	370	320	280	42	2	12-Φ27
250	165	250	430	380	345	34	2	12-Φ27	450	390	345	48	2	12-Φ33
300	178	270	480	430	395	36	3	16-Φ27	515	450	405	62	3	16-Φ33
350	190	290	540	480	440	40	3	16-Φ33	560	495	450	54	3	16-Φ33
400	216	310	605	540	495	46	3	16-Φ33	630	560	510	60	3	16-Φ39
450	222	330	675	605	560	48	3	20-Φ33						
500	229	350	730	660	615	50	3	20-Φ33						
550	229	350	795	720	670	52	3	20-Φ39						
600	267	390	845	770	720	54	3	24-Φ39						



主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter DN(mm)	公称压力 Nominal Pressure (MPa)	试验压力(MPa) Test Pressure (MPa)		适用温度 Applicable Temperature	适用介质 Applicable Media	驱动形式 Operation
		强度试验 Shell Test	密封试验 Seal Test			
50~1500	5K	1.5	1.1	碳钢 Carbon steel: -29℃~425℃ 不锈钢 Stainless Steel: -100℃~800℃	空气、水、蒸气、 煤气、油品以及酸、 碱、盐带有弱腐蚀性 介质等 Air, Water, Steam Coal Gas, Oil and Acid, Alkali, Salt Corrosive Medium and so on.	蜗杆蜗轮传动、 气传动、 电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
	10K	3.0	2.2			
	16K	6.0	4.4			
	20K	7.5	5.5			
	30K	9.5	7.0			

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
蝶板 Disc	WCB, CF8, CF3, CF3M, CF8M, 2205, 2507, WC6, LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite, SS304+STL, SS316+Graphite, SS316L+Graphite, SS316L+STL, S31803+Graphite, S31803+STL PTFE, RPTFE, PPL, EPDM, NBR等
阀杆 Stem	F6a, F304, F304L, F316, F316L, F51, F53, Monel K400/500, 17-4PH等
轴套 Bushing	SF-1, SF-1B, SS304, SS316, SS304+PTFE, SS316+PTFE等
填料 Packing	Graphite, PTFE, PPL等

日标对夹式蝶阀 JIS Wafer Butterfly Valve

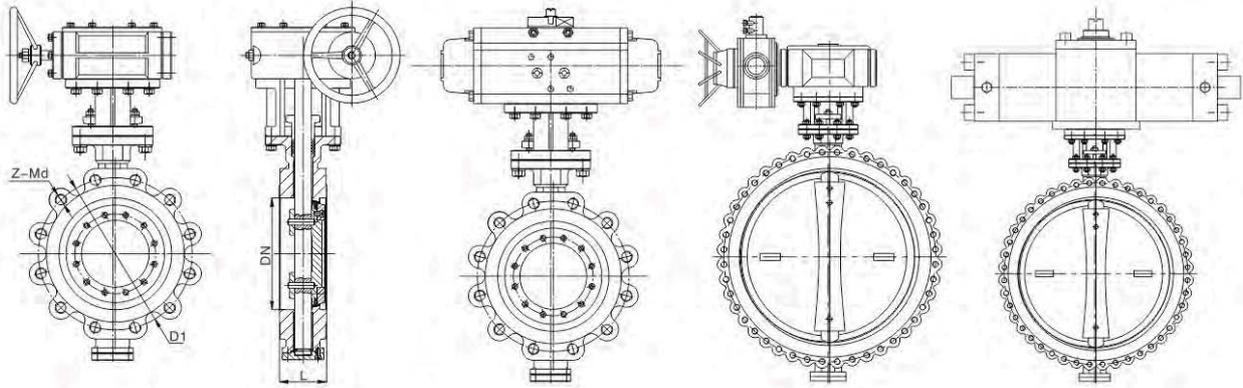


主要连接尺寸 Main Connection Dimensions

JIS B 2220-2012 单位 Unit: mm

通径 Diameter (mm)	结构长度 Structural length		5K			10K			16K		
	L1	L2	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.
50	43		105	4-Φ15	4	120	4-Φ19	4	120	4-Φ19	8
65	46		130	4-Φ15	4	140	4-Φ19	4	140	4-Φ19	8
80	49	64	145	4-Φ19	4	150	4-Φ19	8	160	4-Φ23	8
100	56	64	165	4-Φ19	8	175	4-Φ19	8	185	4-Φ23	8
125	64	70	200	4-Φ19	8	210	4-Φ23	8	225	4-Φ25	8
150	70	76	230	4-Φ19	8	240	4-Φ23	8	260	4-M22	12
200	71	89	280	4-Φ23	8	290	4-Φ23	12	305	4-M22	12
250	76	114	345	4-Φ23	12	355	4-Φ25	12	380	4-M24	12
300	83	114	390	4-Φ23	12	400	4-M22	16	430	4-M24	16
350	92	127	435	4-Φ25	12	445	4-M22	16	480	4-M30	16
400	102	140	495	4-M22	16	510	4-M24	16	540	4-M30	16
450	114	152	555	4-M22	16	565	4-M24	20	605	4-M30	20
500	127	152	605	4-M22	20	620	4-M24	20	660	4-M30	20
550	154	178	665	4-M24	20	680	4-M30	20	720	4-M36	20
600	154	178	715	4-M24	20	730	4-M30	24	770	4-M36	24
650	165	229	770	4-M24	24	780	4-M30	24			
700	165	229	820	4-M24	24	840	4-M30	24			
750	190	241	880	4-M30	24	900	4-M30	24			
800	190	241	930	4-M30	24	950	4-M30	28			
850	203	241	980	4-M30	24	1000	4-M30	28			
900	203	241	1030	4-M30	24	1050	4-M30	28			
1000	216	300	1130	4-M30	28	1160	4-M36	28			
1100	254	360	1240	4-M30	28	1270	4-M36	28			
1200	254	360	1350	4-M30	32	1380	4-M36	32			
1500	318	440	1660	4-M30	36	1700	4-M42	40			

通径 Diameter (mm)	结构长度 Structural length		20K			30K		
	L1	L2	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.	D1	Z-Φ(M)d	法兰端孔数 Flange hole no.
50	108	150	120	4-M16	8	130	4-M16	8
65	112	170	140	4-M16	8	160	4-M20	8
80	114	180	160	4-M20	8	170	4-M20	8
100	127	190	185	4-M20	8	195	4-M22	8
125	140	200	225	4-M22	8	230	4-M22	8
150	140	210	260	4-M22	12	275	4-M24	12
200	152	230	305	4-M22	12	320	4-M24	12
250	165	250	380	4-M24	12	390	4-M30	12
300	178	270	430	4-M24	16	450	4-M30	16
350	190	290	480	4-M30	16	495	4-M30	16
400	216	310	540	4-M30	16	560	4-M36	16
450	222	330	605	4-M30	20			
500	229	350	660	4-M30	20			
550	229	350	720	4-M36	20			
600	267	390	770	4-M36	24			



LTD373

LTD673

LTD973

LTD773

主要技术参数 Main Technology Parameter

公称通径 Nominal Diameter DN(mm)	公称压力 Nominal Pressure (MPa)	试验压力(MPa) Test Pressure (MPa)		适用温度 Applicable Temperature	适用介质 Applicable Media	驱动形式 Operation
		强度试验 Shell Test	密封试验 Seal Test			
50~1500	5K	1.5	1.1	碳钢 Carbon steel: -29℃ ~ 425℃ 不锈钢 Stainless Steel: -100℃~800℃	空气、水、蒸气、 煤气、油品以及酸、 碱、盐带有弱腐蚀性 介质等 Air,Water,Steam Coal Gas,Oil and Acid,Alkali,Salt Corrosive Medium and so on.	蜗杆蜗轮传动、 气传动、 电传动、液动传动 Lever Operator, Worm Gear Operator, Pneumatic Operator, Electric Operator, Hydraulic transmission
	10K	3.0	2.2			
	16K	6.0	4.4			
	20K	7.5	5.5			
	30K	9.5	7.0			

主要零件材质 Material for Main Parts

零件名称 Parts Name	材料 Material
阀体 Body	WCB,CF8,CF3,CF3M,CF8M,2205,2507,WC6,LCB, C95800等
蝶板 Disc	WCB,CF8,CF3,CF3M,CF8M,2205,2507,WC6,LCB, C95800等
密封圈 Sealing Ring	SS304+Graphite,SS304+STL,SS316+Graphite,SS316L+Graphite, SS316L+STL,S31803+Graphite,S31803+STL PTFE,RPTFE,PPL,EPDM,NBR等
阀杆 Stem	F6a,F304,F304L,F316,F316L,F51,F53,Monel K400/500, 17-4PH等
轴套 Bushing	SF-1,SF-1B,SS304,SS316,SS304+PTFE,SS316+PTFE等
填料 Packing	Graphite,PTFE,PPL等

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日标凸耳式蝶阀 JIS Lug Butterfly Valve



主要连接尺寸 Main Connection Dimensions

JIS B 2220-2012 单位 Unit: mm

通径 Diameter (mm)	结构长度 Structural length		5K		10K		16K	
	L1	L2	D1	Z-Md	D1	Z-Md	D1	Z-Md
50		43	105	4-M12	120	4-M16	120	8-M16
65		46	130	4-M12	140	4-M16	140	8-M16
80	49	64	145	4-M16	150	8-M16	160	8-M20
100	56	64	165	8-M16	175	8-M16	185	8-M20
125	64	70	200	8-M16	210	8-M20	225	8-M22
150	70	76	230	8-M16	240	8-M20	260	12-M22
200	71	89	280	8-M20	290	12-M20	305	12-M22
250	76	114	345	12-M20	355	12-M22	380	12-M24
300	83	114	390	12-M20	400	16-M22	430	16-M24
350	92	127	435	12-M22	445	16-M22	480	16-M30
400	102	140	495	16-M22	510	16-M24	540	16-M30
450	114	152	555	16-M22	565	20-M24	605	20-M30
500	127	152	605	20-M22	620	20-M24	660	20-M30
550	154	178	665	20-M24	680	20-M30	720	20-M36
600	154	178	715	20-M24	730	24-M30	770	24-M36
650	165	229	770	24-M24	780	24-M30		
700	165	229	820	24-M24	840	24-M30		
750	190	241	880	24-M30	900	24-M30		
800	190	241	930	24-M30	950	28-M30		
850	203	241	980	24-M30	1000	28-M30		
900	203	241	1030	24-M30	1050	28-M30		
1000	216	300	1130	28-M30	1160	28-M36		
1100	254	360	1240	28-M30	1270	28-M36		
1200	254	360	1350	32-M30	1380	32-M36		
1500	318	440	1660	36-M30	1700	40-M42		

通径 Diameter (mm)	结构长度 Structural length		20K		30K	
	L1	L2	D1	Z-Md	D1	Z-Md
50	108	150	120	8-M16	130	8-M16
65	112	170	140	8-M16	160	8-M20
80	114	180	160	8-M20	170	8-M20
100	127	190	185	8-M20	195	8-M22
125	140	200	225	8-M22	230	8-M22
150	140	210	260	12-M22	275	12-M24
200	152	230	305	12-M22	320	12-M24
250	165	250	380	12-M24	390	12-M30
300	178	270	430	16-M24	450	16-M30
350	190	290	480	16-M30	495	16-M30
400	216	310	540	16-M30	560	16-M36
450	222	330	605	20-M30		
500	229	350	660	20-M30		
550	229	350	720	20-M36		
600	267	390	770	24-M36		