三偏心硬密封蝶阀

TRI-ECCENTRIC BUTTERFLY VALVE

产品用途 Product Use

三偏心硬密封蝶阀系列产品，是采用三偏心原理设计，有弹性密封和多层次密封结构，启闭过程无机械磨损，主要用于石油、化工、冶金、电力、食品、医药、给排水、气体输送等不同介质的管路上作调节流量、截断或接通流体的装置。

Tri-Eccentric Butterfly Valve Series are designed by Tri-Eccentric Principle, having flexible seat and laminated seat structure, without mechanical wear during opening and closing process. The valves are mainly used for isolating, regulating or connecting flow in Oil, Chemical, Metallurgy, Electric Power, Food, Medicine, Water Supply and Drainage, Gas Transportation etc. pipes of different medium.

结构特点 Structure and characteristic

本蝶阀系吸收、消化国内外技术，并结合国内用户意见和本公司多年来从生产中积累的经验而精心研制的新一代产品。

1、采用三维偏心结构，阀体密封面采用弹性金属圈或多层次密封圈，使蝶板密封面同阀体密封面均匀可靠接触，密封性能可靠；

2、采用了独特的结构，从而使得结构独特、操作灵活、省力、方便、使用寿命长；

3、根据不同的工况和要求，能满足耐高温、耐腐蚀、耐磨损的要求。

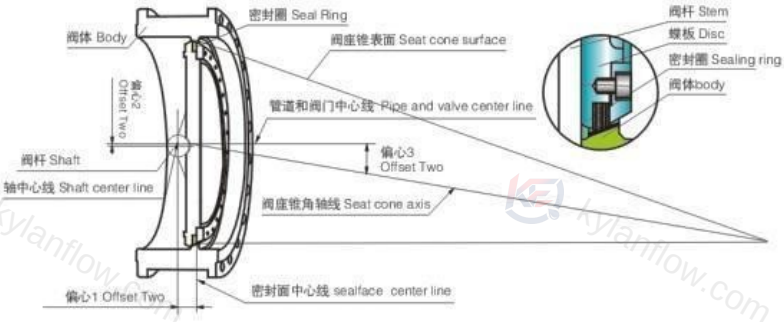
This kind of butterfly valve is new and superior product, which introduced technology from abroad, and combine domestic and ovorsea user's requirements and experience accumulation from production.

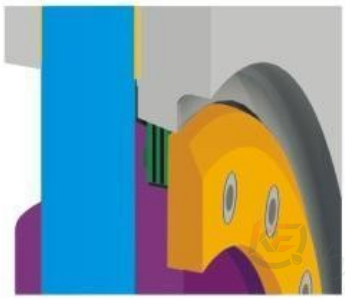
1.It adopt three-dimension eccentric configuration

2.Particular configuration, operation skillful, labor-saving, convenient, and long service life.

3.High temperature resistant, antisepsis, wearable of three-dimensional eccentricity.

三偏心几何图/The Triple Offset Geometry





- 第一个偏心轴偏离密封面中心线
- 第二个偏心轴偏管路及阀门中心线
- 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。这种结构既利用了凸轮效应，又完全消除了磨擦，去除了磨损和泄漏的可能。

- The first eccentric, shaft deviated from the centerline of sealing face.
- The second eccentric. Shaft deviated from the centerline of pipe and valve.
- The third eccentric, the distinctive included angle between oblique taper angle of eccentric seat and centerline of pipe, thus making the seat completely disengaged from the sealing ring during the whole process of open and close. This structure not only uses cam effect,but also eliminates the possibility of abrasion and leakage.

主要技术参数 Main technology parameter

公称通径 Nominal diameter	DN(mm)	50~3000				
公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6	2.5	4.0
试验压力 Ps(MPa) Test pressure	强度试验Shell test	0.9	1.5	2.4	3.75	6.0
	密封试验Seal test	0.66	1.1	1.76	2.75	4.4
	气密封试验 Gas seal test	0.6	0.6	0.6	0.6	0.6
适用介质 Appropriate medium	尘气、煤气、水、蒸气、油品、酸类腐蚀性等 Water,steam,oil,acid corrosion and so on.					
适用温度 Appropriate temperatuer	碳钢 Carbon steel：-29℃~425℃ 不锈钢 Stainless steel：-40℃~600℃					

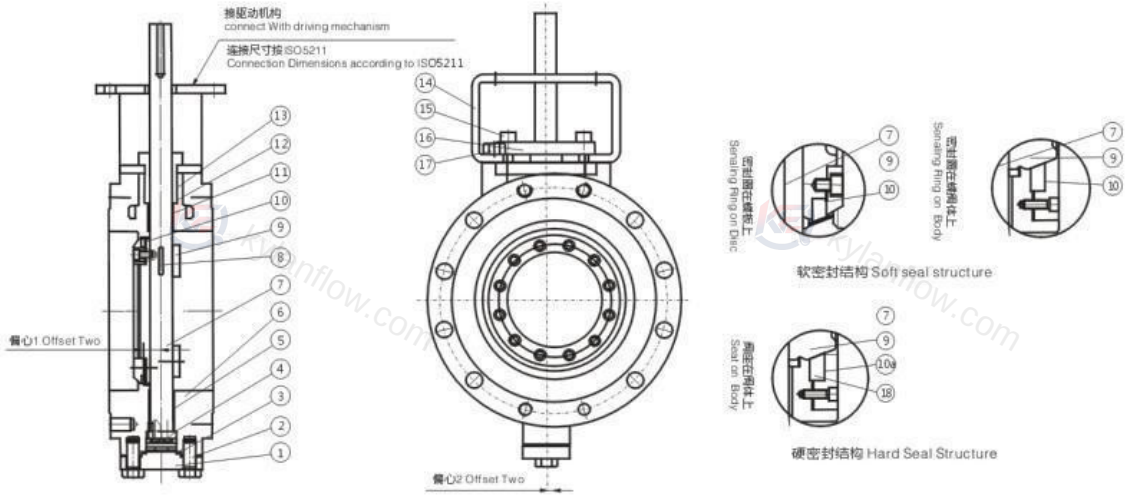
采用标准 Adoption standard

设计标准 Design standard	GB/T12238-1989、GB9115.6~11-1989，也可由用户指定。
结构长度 Structure length	GB/T12221-1989 GB/T15188.2-1994
压力试验 Pressure test	GB/T13927-1992；JB/T9092-1999

三偏心硬密封蝶阀

TRI-ECCENTRIC BUTTERFLY VALVE

法兰连接蝶阀 Flange Butterfly Valve



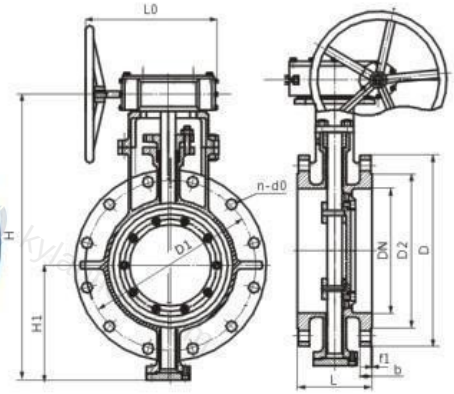
料明细表(法兰连接蝶阀) Materials list (Flange butterfly valve)

序号NO	零件名称Part Name	材料Materials	可选材料Optional Materials
1	底盖 Cover	碳钢 Carbon Steel	不锈钢、蒙乃尔 SS、Monel
2	螺栓 Bolt	合金钢Alloy Steel	不锈钢、蒙乃尔 SS、Monel
3	垫片 Gasket	柔性石墨 Graphite	
4	调整垫 Spacer	不锈钢SS	不锈钢、蒙乃尔 SS、Monel
5	下轴套 Bushing	聚四氟乙烯 +黄铜PTFE+ Bronze	自润滑黄铜 Luberized Bronze
6	阀体 Body	铸钢Cast steel	不锈钢、蒙乃尔 SS、Monel
7	阀杆 Stem	不锈钢SS	不锈钢、蒙乃尔 SS、Monel
8	键 Key	不锈钢SS	不锈钢、蒙乃尔 SS、Monel
9	蝶板 Disc	铸钢Cast steel	不锈钢、蒙乃尔 SS、Monel
10	密封圈 Seal Ring	PTFE/PTFE+SS	MBR/SS+柔性石墨 MBR/SS+Graphite
10a	阀座 Seat	碳钢+13Cr Carbon Steel+13Cr	不锈钢、蒙乃尔 SS、Monel
11	上轴套 Bushing	聚四氟乙烯 +黄铜PTFE+ Bronze	自润滑黄铜 Luberized Bronze
12	填料垫 Packing Seat	不锈钢SS	不锈钢、蒙乃尔 SS、Monel
13	填料 Packing	柔性石墨 Graphite	PTFE
14	连接支架 Yoke	碳钢 Carbon Steel	-
15	螺栓 Bolt	合金钢Alloy Steel	不锈钢、蒙乃尔 SS、Monel
16	填料压板 Gland	碳钢 Carbon Steel	不锈钢SS
17	螺栓 Bolt	合金钢Alloy Steel	不锈钢、蒙乃尔 SS、Monel
18	垫片 Gasket	柔性石墨 Graphite	

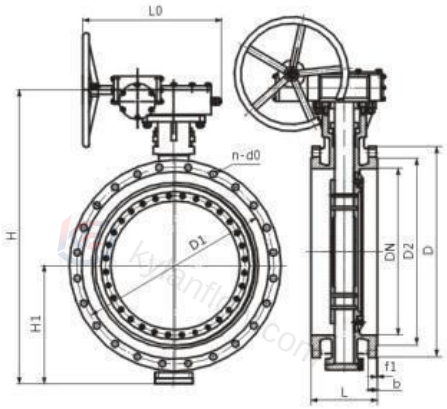
法兰三偏心硬密封蝶阀

FLANGED TRI-ECCENTRIC BUTTERFLY VALVE





型号：D343H-16C/25C　DN500以下



型号：D343H-16C/25C　DN600以上

主要外形尺寸 Main size of outside

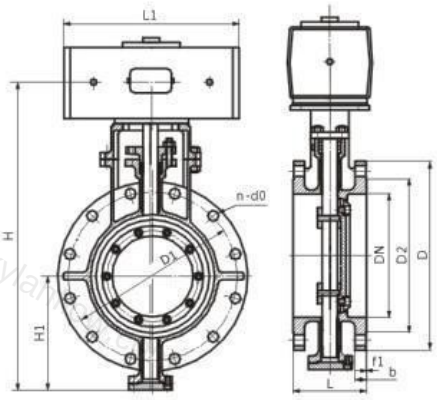
D343H-6、D943H-6、D643H-6、D743H-6

DN	D	D1	突面 D2 Tunisia face	凸台 f1 Boss	b	n-d0	L	H	H1	手动装置 Manual device		电动装置 Electrical device		气动装置 Pneumatic device		液动装置 Hydraulic devices		
										L0	型号 Mode	L1	型号 Mode	L1	型号 Mode	L1	L2	型号 Mode
80	190	150	125	3	18	4-18	114	390	118	150	SQ250	190	QB30-1	280	TAG13	190	480	YGA 2000
100	210	170	145	3	18	4-18	127	405	125									
125	240	200	175	3	20	8-18	140	450	140	150	SQ500	240	QB60-1	560	TAG13			
150	265	225	200	3	20	8-18	140	500	145	195	SQ1000	350	QB 120-1	750	TAW17			
200	320	280	255	3	22	8-18	152	580	175	310	SQ 2000	390	QB 250-1					
250	375	335	310	3	24	12-18	165	630	205									
300	440	395	362	4	24	12-22	178	680	230	440	SQ 4000	540	DZW10	1180	AW20	220	520	YGA 4000
350	490	445	412	4	24	12-22	190	750	255									
400	540	495	462	4	24	16-22	216	815	280				DZW15					
450	595	550	518	4	24	16-22	222	875	308									
500	645	600	568	4	26	20-22	229	930	330	550	SQ 8000	720	DZW20	1350	AW28	360	915	YGA 8000
600	755	705	670	5	26	20-26	267	1025	380				DZW30					
700	860	810	775	5	26	24-26	292	1160	340				DZW45					
800	975	920	880	5	26	24-30	318	1320	495				DZW60					
900	1075	1020	980	5	26	24-30	330	1450	550	630	SQ 16000	790	DZW90	1580	AW 16000	400	1063	YGA 16000
1000	1175	1120	1080	5	26	28-30	410	1592	625									
1100	1305	1240	1195	5	28	28-33	440	1700	690					–	AW 350	–	–	–
1200	1405	1340	1295	5	28	32-33	470	1895	730	750	SQ 32000	890	DZW120					
1400	1630	1560	1510	5	32	36-36	530	2060	850				DZW180		AW 500			
1600	1830	1760	1710	5	34	40-36	600	2300	960				DZW350					
1700	1930	1860	1820	5	34	44-39	640	2400	1060	870	SDQ 4000	1020	SMC-2 /H6BC					
1800	2045	1970	1920	5	36	44-39	670	2580	1080									
2000	2265	2180	2125	5	38	48-42	760	2800	1200	–	SDQ 6300				AW 800			
2200	2475	2390	2335	6	42	52-42	760	3300	1350				SMC-3 /H6BC					
2400	2685	2600	2545	6	44	56-42	760	3450	1480	1100	SDQ 8000	1120			–			
2600	2905	2810	2740	6	46	60-48	760	3900	1690									

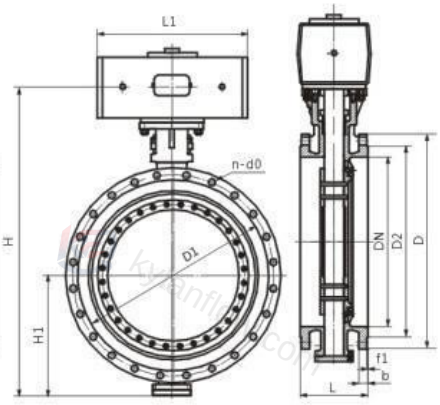
法兰三偏心硬密封蝶阀

FLANGED TRI-ECCENTRIC BUTTERFLY VALVE





型号：D643H-16C/25C DN500以下



型号：D643H-16C/25C DN600以上

主要外形尺寸 Main size of outside

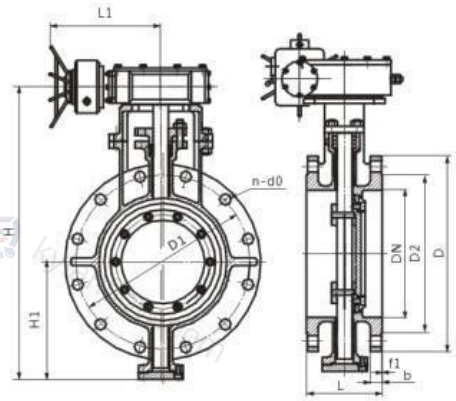
D343H-10、D943H-10、D643H-10、D743H-10

DN	D	D1	突面 D2 Tunisia face	凸台 f1 Boss	b	n-d0	L	H	H1	手动装置 Manual device		电动装置 Electrical device		气动装置 Pneumatic device		液动装置 Hydraulic devices		
										L0	型号 Mode	L1	型号 Mode	L1	型号 Mode	L1	L2	型号 Mode
80	200	160	135	3	20	8-18	114	390	118	150	SQ2	190	QB30-1	280	AG13	190	480	YGA 2000
100	220	180	155	3	22	8-18	127	405	125	150	SQ3	240	QB60-1	560	AG13			
125	250	210	185	3	22	8-18	140	450	140									
150	285	240	210	3	24	8-22	140	500	145	195	SQ4	350	QB 120-1	750	AW17			
200	340	295	265	3	24	8-22	152	580	175	310	SQ5	390	QB 250-1					
250	395	350	320	3	26	12-22	165	630	205									
300	445	400	368	4	26	12-22	178	680	230	440	SQ6	540	DZW10	1180	AW20	220	520	YGA 4000
350	505	460	428	4	26	16-22	190	750	255				DZW15					
400	565	515	482	4	26	16-26	216	815	280		SQ7							
450	615	565	532	4	28	20-26	222	875	308				DZW20		AW28			
500	670	620	585	4	28	20-26	229	930	330	510	SQ8	720	DZW30	1350		360	915	YGA 8000
600	780	725	685	5	30	20-30	267	1025	380				DZW45					
700	895	840	800	5	30	24-30	292	1160	340				DZW60		AW 350			
800	1015	950	905	5	32	24-33	318	1320	495	630	SQ9	790	DZW 90	1580		400	1063	YGA 16000
900	1115	1050	1005	5	34	28-33	330	1450	550									
1000	1230	1160	1110	5	34	28-36	410	1592	625				DZW 120					
1200	1455	1380	1330	5	38	32-39	470	1895	730	680	SQ10	890	DZW 180	–		–	–	–
1300	1575	1490	1430	5	46	32-41	475	1980	790						AW 500			
1400	1675	1590	1530	5	48	36-48	530	2060	850				DZW 250					
1500	1785	1700	1640	5	50	36-48	530	2150	910	850	SQ11	1090	DZW 350					
1600	1915	1820	1750	5	52	40-48	600	2510	1020							–	–	–
1800	2115	2020	1950	5	56	44-54	670	2640	1114	1030	SQ12				Aw800			
2000	2325	2230	2150	5	60	44-48	760	2870	1240				DZW 500					
2200	2550	2440	2370	6	80	52-56	760	3010	1355	1150	SQ13	1670			–	–	–	–
2400	2760	2650	2570	6	90	56-56	760	3220	1460				DZW 800					

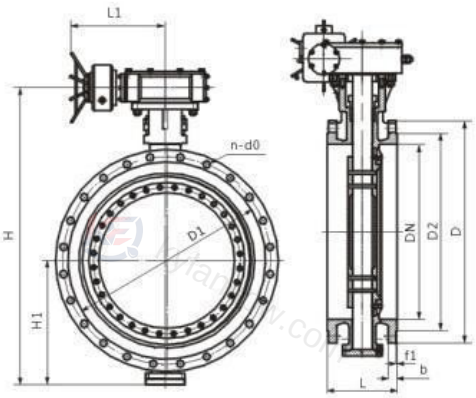
法兰三偏心硬密封蝶阀

FLANGED TRI-ECCENTRIC BUTTERFLY VALVE





型号：D943H-16C/25C DN500以下



型号：D943H-16C/25C DN600以上

主要外形尺寸 Main size of outside

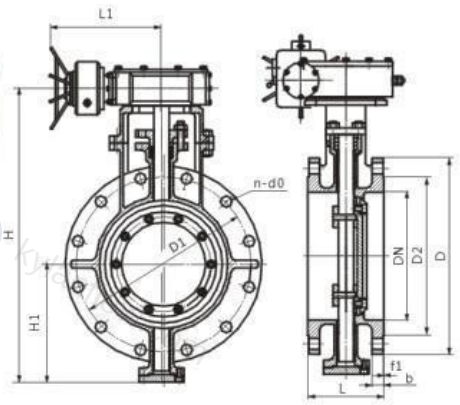
D343H-16、D943H-16、D643H-16、D743H-16

DN	D	D1	突面 D2 Tunisia face	凸台 f1 Boss	b	n-d0	L	H	H1	手动装置 Manual device		电动装置 Electrical device		气动装置 Pneumatic device		液动装置 Hydraulic devices		
										L0	型号 Mode	L1	型号 Mode	L1	型号 Mode	L1	L2	型号 Mode
80	200	160	135	3	20	8-18	114	390	118	150	SQ2	190	QB30-1	–	–	–	–	–
100	220	180	155	3	22	8-18	127	475	148	195	SQ3	240	QB60-1	750	AW13	190	480	YGA 2000
125	250	210	185	3	22	8-18	140	520	155									
150	285	240	210	3	24	8-22	140	570	170	340	SQ4	350	QB 120-1		AW17			
200	340	295	265	3	24	12-22	152	650	175		SQ5	390						
250	405	355	320	3	26	12-26	165	700	235				QB 250-1					
300	460	410	375	4	28	12-26	178	750	260	385	SQ6	540						
350	520	470	436	4	10	16-26	190	820	285				DZW20	1180	AW20	210	520	YGA 4000
400	580	525	485	4	32	16-30	216	875	310	415	SQ7							
450	640	585	545	4	34	20-30	222	945	338									
500	715	650	608	4	16	20-33	229	1030	360			720	DZW30		AW28			
600	840	770	718	5	38	20-36	267	1135	430	510	SQ8		DZW60	1350		360	915	YGA 8000
700	910	840	788	5	38	24-36	292	1300	495				DZW90					
800	1025	950	898	5	38	24-39	318	1420	545	600	SQ9	790		1800		400	1063	YGA 16000
900	1125	1050	998	5	40	28-39	330	1610	610				DZW 120					
1000	1255	1170	1110	5	42	28-42	410	1700	675	680	SQ10			–	AW 350	–	–	–
1200	1485	1390	1325	5	48	32-45	470	1850	792	750	SQ11	890	DZW 180					
1300	1585	1490	1425	5	48	32-45	475	1970	850						AW 500			
1400	1685	1590	1525	5	48	36-48	530	2070	901				DZW 350					
1500	1820	1710	1640	5	48	36-52	530	2230	970	890	SQ12	1190			AW 800			
1600	1930	1820	1750	5	55	40-52	600	2340	1030				DZW 500					
1800	2130	2020	1950	5	55	44-52	670	2560	1130	1080	SQ13		DZW 800					
2000	2345	2230	2150	5	60	48-56	760	2790	1240									

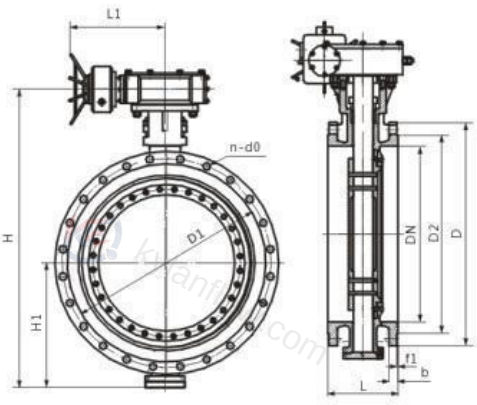
法兰三偏心硬密封蝶阀

FLANGED TRI-ECCENTRIC BUTTERFLY VALVE





型号：D943H-16C/25C DN500以下



型号：D943H-16C/25C DN600以上

主要外形尺寸 Main size of outside

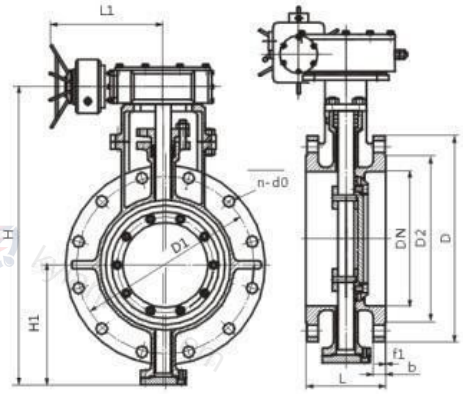
D343H-25、D943H-25、D643H-25、D743H-25

DN	D	D1	突面 D2 Tunisia face	凸台 f1 Boss	b	n-d0	L	H	H1	手动装置 Manual device		电动装置 Electrical device		气动装置 Pneumatic device		液动装置 Hydraulic devices		
										L0	型号 Mode	L1	型号 Mode	L1	型号 Mode	L1	L2	型号 Mode
80	200	160	135	3	20	8-18	114	370	123	192	SQ2	190	QB30-1					
100	235	190	160	3	24	8-22	127	495	158	195	SQ3	240	QB60-1	750 1180 1350	TAW17	190	480	YGA 2000
125	270	220	188	3	26	8-26	140	540	165									
150	300	250	218	3	28	8-26	140	590	180			540	DZW10					
200	360	310	278	3	30	12-26	152	670	185	240	SQ4							
250	425	370	332	3	32	12-30	165	720	245	320	SQ5		DZW15	-	AW20	220	520	YGA 4000
300	485	430	390	4	34	16-30	178	770	270									
350	555	490	448	4	38	16-33	192	840	295		SQ6		DZW20					
400	620	550	505	4	40	16-36	216	895	320				DZW30					
450	670	600	555	4	42	20-36	222	965	348	510	SQ7							
500	730	660	610	4	44	20-36	229	1050	370			720	DZW45	-	AW28	360	915	YGA 8000
600	845	770	718	5	46	20-39	267	1155	440		SQ8		DZW90					
700	960	875	815	5	46	24-42	272	1320	500									
800	1085	990	930	5	50	24-48	318	1440	555	600	SQ9		DZW 120	1800	QQA 16000	400	1063	YGA 16000
900	1185	1090	1025	5	58	28-48	330	1550	650	750	SQ10	790	DZW 180	-	-	-	-	-
1000	1320	1210	1140	5	62	28-55	410	1700	720				DZW 250					
1200	1530	1420	1350	5	70	32-55	470	1930	830	640	SQ11	890	DZW 350	-	-	-	-	-
1300	1645	1530	1450	5	74	32-62	475	2035	885	890								
1400	1755	1640	1560	5	76	36-60	530	2180	950			1090	DZW 500					
1500	1865	1750	1670	5	80	36-62	530	2303	1002	890	SQ12					-	-	-
1600	1975	1860	1780	5	84	40-60	660	2420	1060				DZW 800					

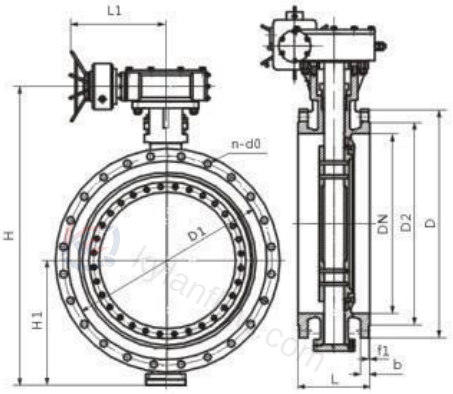
法兰三偏心硬密封蝶阀

FLANGED TRI-ECCENTRIC BUTTERFLY VALVE





型号：D943H-16C/25C　DN500以下



型号：D943H-16C/25C　DN600以上

主要外形尺寸 Main size of outside

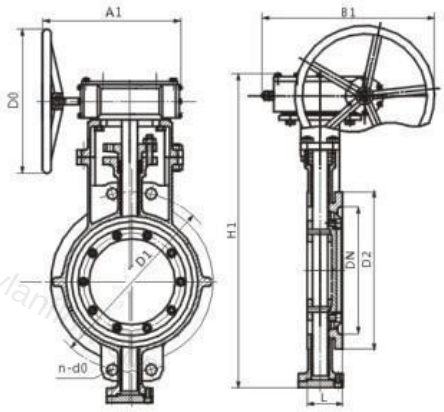
D343H-40、D943H-10、D643H-40、D743H-40

DN	L	D	D1	f1	f2	X(凸)	Y(凹)	b	Do	H	H1	n-d0
50	150	160	125	3	4	100	88	20	157	405	80	4-18
65	170	180	145	3	4	120	110	22	157	420	90	8-18
80	180	195	160	3	4	135	121	22	157	445	97	8-18
100	190	230	190	3	4.5	160	150	24	157	485	115	8-23
125	200	270	220	3	4.5	188	176	28	205	560	135	8-25
150	210	300	250	3	4.5	218	204	30	205	632	198	8-25
200	230	375	320	3	4.5	282	260	38	235	774	246	12-30
250	250	445	385	3	4.5	345	313	42	235	812	290	12-34
300	270	510	450	4	4.5	408	364	46	296	954	312	16-34
350	290	570	510	4	5	465	422	52	296	1014	352	16-34
400	310	655	585	4	5	535	474	58	400	1098	392	16-41
450	330	680	610	4	5	560	524	60	400	1236	412	20-41
500	350	755	670	4	5	612	576	62	440	1322	461	20-48
600	390	890	795	5	6	730	678	62	440	1519	516	20-54
700	430	995	900	5	6	835	768	68	440	1607	562	24-54
800	470	1135	1030	5	6	960	876	72	500	1757	642	24-58
900	510	1250	1140	5	6	1070	988	76	500	1803	710	28-56
1000	550	1380	1250	5	6	1180	1094	80	500	1930	770	28-56
1200	630	1575	1460	6	8	1350	1315	96	620	2100	841	32-60
1400	710	1795	1680	6	8	1560	1523	115	620	2270	1000	36-68

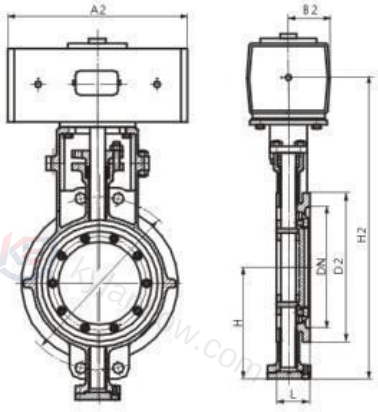
对夹三偏心硬密封蝶阀

WAFER TRI-ECCENTRIC BUTTERFLY VALVE





型号：D373H-16C/25C　DN500以下



型号：D673H-16C/25C　DN500以下

主要外形尺寸 Main size of outside

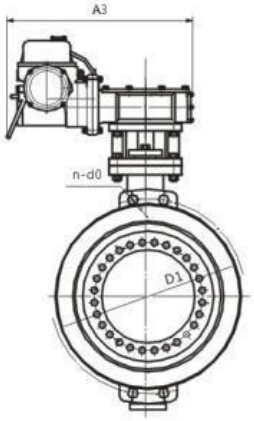
D373H-6/10、D673H-6/10、D97H-6/10

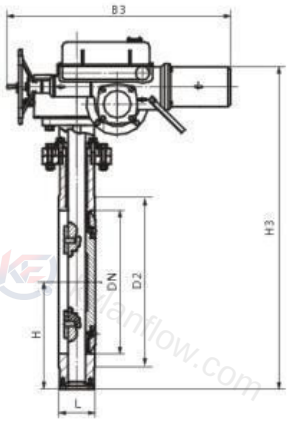
公称通径DN Nominal diameter		结构长度(标准值) Structure length (standard)	外形尺寸(参考值) External dimension(consult)										连接尺寸(标准值) Connection dimension(standard)			
			H	D373H			D673H			D973H			PN0.6MPa		PN1.0MPa	
mm	inch	L		H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	n-d0	D1	Z-d
50	2	43	112	350	180	200	625	245	72	530	250	255	110	4-14	125	4-18
65	2 1/2	46	115	370	180	200	625	245	72	530	250	255	130	4-14	145	4-18
80	3	49	120	380	180	200	645	245	72	565	250	255	150	4-18	160	8-18
100	4	56	138	420	180	200	675	355	92	600	250	255	170	4-18	180	8-18
125	5	64	164	460	180	200	715	355	92	640	250	255	200	8-18	210	8-18
150	6	70	175	555	270	280	800	355	92	705	300	315	225	8-18	240	8-22
200	8	71	215	780	400	425	850	250	170	775	300	315	280	8-18	295	8-22
250	10	76	243	840	400	425	925	250	170	945	300	315	335	12-18	350	12-22
300	12	83	285	995	450	560	1035	450	220	1070	300	315	395	12-22	400	12-22
350	14	92	320	1050	450	560	1070	450	220	1140	300	315	445	12-22	460	16-22
400	16	102	350	1220	535	580	1190	450	220	1210	300	315	495	16-22	515	16-26
450	18	114	350	1280	535	580	1250	650	280	1335	575	714	550	16-22	565	20-26
500	20	127	380	1365	535	580	1290	650	280	1415	575	714	600	20-22	620	20-26
600	24	154	435	1460	570	660	1455	850	380	1605	656	810	705	20-26	725	20-30
700	28	165	480	1520	750	550	1585	850	380	1844	656	810	810	24-26	840	24-30
800	32	190	530	1710	750	550	1700	1250	380	2040	656	810	920	24-30	950	24-33
900	36	203	595	1810	750	550	1965	1250	380	2255	785	863	1020	24-30	1050	28-33
1000	40	216	650	1900	900	750	2015	1250	380	2380	785	863	1120	28-30	1160	28-36
1200	48	254	775	2280	1000	925	2250	1250	380	2640	785	863	1340	32-33	1380	32-39
1400	56	279	870	2450	1000	925	-	-	-	2886	-	-	1560	36-36	1590	36-42
1600	64	318	1000	2730	1000	925	-	-	-	3156	-	-	1760	40-36	1820	40-48
1800	72	356	1110	3020	1100	980	-	-	-	3421	-	-	1970	44-39	2020	44-48
2000	80	406	1250	3270	1100	980	-	-	-	3685	-	-	2180	48-42	2230	48-48

对夹三偏心硬密封蝶阀

WAFER TRI-ECCENTRIC BUTTERFLY VALVE







型号：D973H-16C/25C　DN600以上

主要外形尺寸 Main size of outside

D373H-16/25、D673H-16/25、D97H-16/25

公称通径DN Nominal diameter		结构长度(标准值) Structure length (standard)	外形尺寸(参考值)External dimension(consult)										连接尺寸(标准值) Connection dimension			
			H	D373H			D673H			D973H			PN1.6MPa		PN2.5MPa	
mm	inch	L		H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	n-d0	D1	Z-d
50	2	43	112	350	180	200	625	245	72	530	250	255	125	4-18	125	4-18
65	2 1/2	46	115	370	180	200	625	245	72	530	250	255	145	4-18	145	8-18
80	3	49	120	380	180	200	645	245	72	565	250	255	160	8-18	160	8-18
100	4	56	138	420	180	200	675	355	92	600	250	255	180	8-18	190	8-22
125	5	64	164	460	180	200	715	355	92	640	250	255	210	8-18	220	8-26
150	6	70	175	555	270	280	800	355	92	705	300	315	240	8-22	250	8-26
200	8	71	215	780	400	425	850	250	170	775	300	315	295	12-22	310	12-26
250	10	76	243	840	400	425	925	250	170	945	300	315	355	12-26	370	12-30
300	12	83	285	995	450	560	1035	450	220	1070	300	315	410	12-26	430	16-30
350	14	92	320	1050	450	560	1070	450	220	1140	300	315	470	16-26	490	16-33
400	16	102	350	1220	535	580	1190	450	220	1210	300	315	525	16-30	550	16-36
450	18	114	350	1280	535	580	1250	650	280	1335	575	714	585	20-30	600	20-36
500	20	127	380	1365	535	580	1290	650	280	1415	575	714	650	20-33	660	20-36
600	24	154	435	1460	570	660	1455	850	380	1605	656	810	770	20-36	770	20-39
700	28	165	480	1520	750	550	1585	850	380	1844	656	810	840	24-36	875	24-42
800	32	190	530	1710	750	550	1700	1250	380	2040	656	810	950	24-39	990	24-48
900	36	203	595	1810	750	550	1865	1250	380	2255	785	863	1050	28-39	1090	28-48
1000	40	216	650	1900	900	750	2015	1250	380	2380	785	863	1170	28-42	1210	28-56
1200	48	254	775	2280	1000	925	2250	1250	380	2640	785	863	1390	32-48	1420	32-56
1400	56	279	870	2450	1000	925	–	–	–	2886	–	–	1590	36-48	1640	36-62
1600	64	318	1000	2730	1000	925	–	–	–	3156	–	–	1820	40-56	1860	40-62
1800	72	356	1110	3020	1100	980	–	–	–	3421	–	–	2020	44-56	2070	44-70
2000	80	406	1250	3270	1100	980	–	–	–	3685	–	–	2230	48-62	2300	48-70

焊接三偏心金属硬密封蝶阀

BUTT WELDING TRI-ECCENTRIC METAL-SEAL BUTTERFLY VALVE

产品用途 Product Use

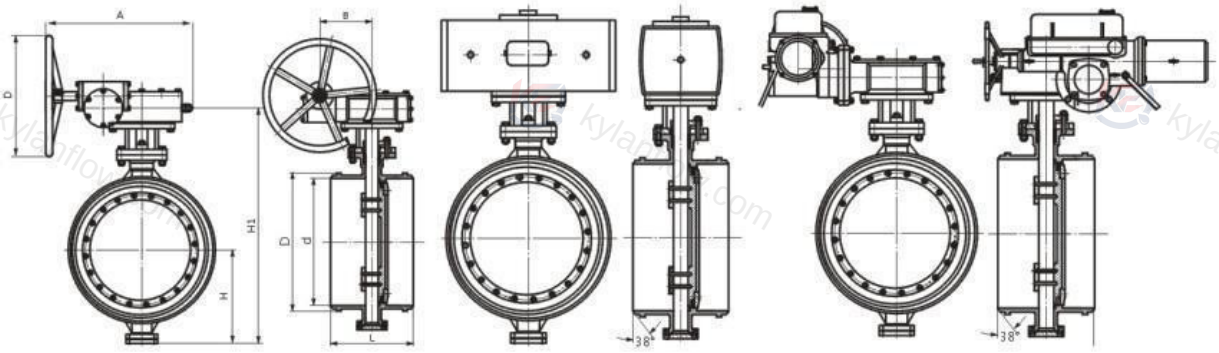
本蝶阀适用于高温、高压、防火、保温等管道上作启闭或调节介质之用。其主要特点如下：

This kind of butterfly valve is suitable for pipe of high temperature, high pressure,fire-proof,jacket etc as start and stop or adjust medium, the main characteristic asbelow:

1、结构紧凑、体积小、重量轻、操作灵活、使用方便；
2、采用三维偏心弹性或多层次硬密封结构，其密封性能可靠；
3、此阀无法兰，对管道和保温包扎及防腐等带来很大方便和美观；
4、具有耐高温、高压、耐腐蚀、耐磨损等特点。

1.Compact configuration, tiny bulk, light and operate skillfully and Conveniently.
2.It adopt three-dimensional eccentric elasticity or multiple-layers hard sealing configuration, the hermetical capability can reach to zero leakage.
3.This kind of valve with no flange, which makes pipe elegantly and Binding upconveniently.
4.It has characteristic of high temperature resistant, high pressure resistant,antisepsis, wearable etc.





主要外形尺寸 Main size of outside

D363H-0.6/1.0

通径Diameter		PN0.6MPa 外形尺寸(参考值)External dimension(consult)							PN1.0MPa 外形尺寸(参考值)External dimension(consult)						
mm	inch	L	D	d	H	H1	A	B	L	D	d	H	H1	A	B
600	24	340	636	602	499	1280	570	660	340	636	602	499	1280	570	660
700	28	460	726	692	566	1480	750	550	460	726	692	566	1480	750	550
800	32	480	826	792	632	1608	750	550	480	826	792	632	1608	750	550
900	36	500	926	892	693	1857	750	550	500	926	892	693	1857	750	550
1000	40	510	1028	992	757	2038	900	750	510	1028	992	757	2038	900	750
1200	48	530	1228	1192	851	2237	1000	925	530	1228	1192	851	2237	1000	925
1400	56	550	1428	1392	876	2411	1000	925	550	1428	1392	876	2411	1000	925
1600	64	570	1628	1592	1095	2756	1000	925	570	1628	1592	1095	2756	1000	925
1800	72	590	1828	1792	1214	3093	1100	980	590	1828	1792	1214	3093	1100	980
2000	80	610	2028	1992	1332	3355	1100	980	610	2028	1992	1332	3355	1100	980

焊接三偏心金属硬密封蝶阀

BUTT WELDING TRI-ECCENTRIC METAL-SEAL BUTTERFLY VALVE

主要外形尺寸 Main size of outside

D363H-1.6/2.5

PN1.6MPa									PN2.5MPa								
通径Diameter		外形尺寸(参考值)External dimension(consult)							通径Diameter		外形尺寸(参考值)External dimension(consult)						
mm	inch	L	D	d	H	H1	A	B	mm	inch	L	D	d	H	H1	A	B
80	3	140	90	78	90	356	180	200	600	24	340	636	602	509	1369	570	660
100	4	160	110	96	100	375	180	200	700	28	460	726	692	572	1492	750	550
125	5	180	135	121	113	401	180	200	800	32	480	826	792	638	1622	750	550
150	6	180	161	146	130	450	270	280	900	36	500	926	892	700	1924	750	550
200	8	220	222	202	205	545	400	425	1000	40	510	1028	992	765	2054	900	750
250	10	220	278	254	235	630	400	425	1200	48	530	1228	1192	860	2259	1000	925
300	12	240	330	303	275	715	450	560	1400	56	550	1428	1392	986	2610	1000	925
350	14	260	382	351	309	817	450	560	1600	64	570	1628	1592	1106	2856	1000	925
400	16	280	432	398	346	923	535	580	1800	72	590	1828	1792	1216	3121	1100	980
450	18	300	484	450	392	1059	535	580	2000	80	610	2028	1992	1345	3385	1100	980
500	20	320	535	501	427	1126	535	580	–	–	–	–	–	–	–	–	–

D363H-4.0/6.4

PN4.0MPa									PN6.4MPa							
通径Diameter		外形尺寸(参考值)External dimension(consult)							外形尺寸(参考值)External dimension(consult)							
mm	inch	L	D	d	H	H1	A	B	L	D	d	H	H1	A	B
80	3	140	90	78	90	356	180	200	180	90	78	108	430	180	200
100	4	160	110	96	106	387	180	200	190	110	96	108	392	180	200
125	5	180	135	121	122	413	180	200	200	135	120	120	414	180	200
150	6	180	161	146	136	459	270	280	210	161	145	135	494	270	280
200	8	220	222	202	215	585	400	425	230	222	200	202	578	400	425
250	10	220	278	254	247	649	400	425	250	278	252	235	673	400	425
300	12	240	330	303	288	771	450	560	270	330	301	280	793	450	560
350	14	260	382	351	333	929	450	560	290	382	351	315	921	450	560
400	16	280	432	398	359	993	535	580	310	432	398	355	1021	535	580
450	18	300	484	450	405	1053	535	580	330	484	448	370	1143	535	580
500	20	320	535	501	444	1245	535	580	350	535	495	420	1192	535	580
600	24	340	636	602	521	1750	570	660	390	636	595	490	1327	570	660
700	28	460	726	692	586	1519	750	550	–	–	–	–	–	–	–
800	32	480	826	792	659	1659	750	550	–	–	–	–	–	–	–
900	36	500	926	892	720	1829	750	550	–	–	–	–	–	–	–
1000	40	510	1028	992	780	1949	900	750	–	–	–	–	–	–	–
1200	48	530	1228	1192	889	2243	1000	925	–	–	–	–	–	–	–
1400	56	550	1428	1392	1000	2462	1000	925	–	–	–	–	–	–	–

法兰伸缩蝶阀

EXPANSION JOINT BUTTERFLY VALVE

产品用途 Product Use

法兰伸缩蝶阀适用于石油、化工、食品、医药、电力、给排水、气体管道上作调节介质流量和截流的作用，具有补偿由于热胀冷缩引起的管道安装长度，可作为老管道改造，维修和安装更换提供方便。

Expansion joint butterfly valve mainly used for petroleum industry, chemical industry, food industry, medical industry, power industry,water and drain, gas pipeline as flow adjustment and medium interruption. Having countervail due to the expands with heat and contracts with cold occur pipeline installation dimension,can be convenient for old pipeline transform, maintenance and installation renewal.

结构特点 Structure Features

- 集法兰蝶阀和伸缩器功能于一体的新颖结构，补偿管道温差所产生的热胀冷缩对管道安装长度的影响，为一阀多用产品；
- 由于双偏心的设计原理，阀门启闭力矩小，操作灵活、轻便；
- 阀座密封面具有耐腐蚀、耐冲刷、耐磨损，使用寿命长；
- 蝶板封圈采用橡胶密封圈，具有密封零泄漏特点；
- 伸缩部位密封性能可靠，安装维护拆卸方便；
- 根据用户要求，可选用电动、气动、液动、电液联动等执行机构，实现远距离控制和自动化操作。

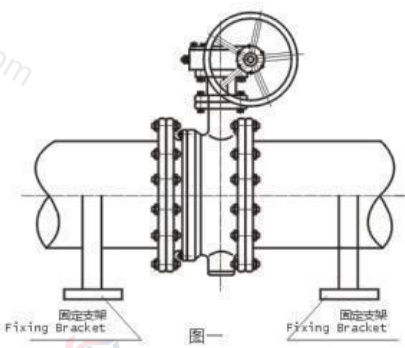
- With flange butterfly valve and expansion joint self contained 's new structure, countervail pipeline temperature differential occur expands with heat and contracts with cold make a influence of installation dimension, become a valve multi-function products;
- Due to the double-eccentric design principle, the moment of valve opening and closing are small, flexible operation, light and convenient;
- Seat sealing are corrosion resistant、weather resistance、anti-abrasive, long lifetime;
- Disc seat ring adopt rubber seat ring, own sealing zero leakage feature;
- Expansion part have reliable seal performance, convenient to installation,adjustment, renewal and maintenance;
- Accordance with the requests of consumers, can choose electric actuator, pneumatic operated, hydraulic actuator, electro-magnetic-hydraulic actuator or any other actuator, can implement long distance control and automatic operated.

伸缩蝶阀安装注意事项 Expansion Joint Butterfly Valve Installation Attention Detail

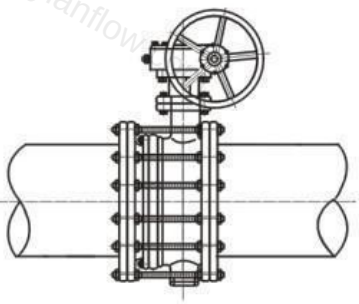
- 当管道安装间隔超过伸缩蝶阀安装长度时，请调整管道安装间隔，切勿强行拉伸缩阀，以免损坏阀门；
- 伸缩蝶阀作温度补偿伸缩用时，在管道安装完成后，需沿管道轴线方向两端加设支撑架，防止伸缩阀伸缩管拉出，运行时严禁将支撑架卸掉（见图1）；
- 伸缩蝶阀不作温度补偿，只作安装更换、维护用时，采用紧固件对称夹紧伸缩蝶阀限位，以防止伸缩管拉出，损坏伸缩蝶阀及管道装置（见图2）；
- 伸缩阀伸缩部分不得安装在管道拐角处或管道末端。

- When the pipeline installation spacing over sizing the expansion joint butterfly valve's installation dimension, please adjust the pipeline installation space, do not force to pull expansion joint valve, in order to avoid damaging the valve;
- Expansion joint butterfly valve as temperature compensate expansion use,should add support between pipeline axis direction end, in order to avoid valve expansion tube outstretch, forbid to remove the support during the operation.(see picture 1);
- Expansion joint butterfly valve doesn't as temperature compensate, only as installation, adjustment and maintenance ,should adopt fastening piece symmetric clamp expansion joint butterfly valve limiter, in order to avoid valve expansion tube outstretch, damage expansion joint butterfly valve and pipeline device (see picture 2);
- The expansion part of expansion joint butterfly valve can't install at pipeline corner or the end of pipeline.



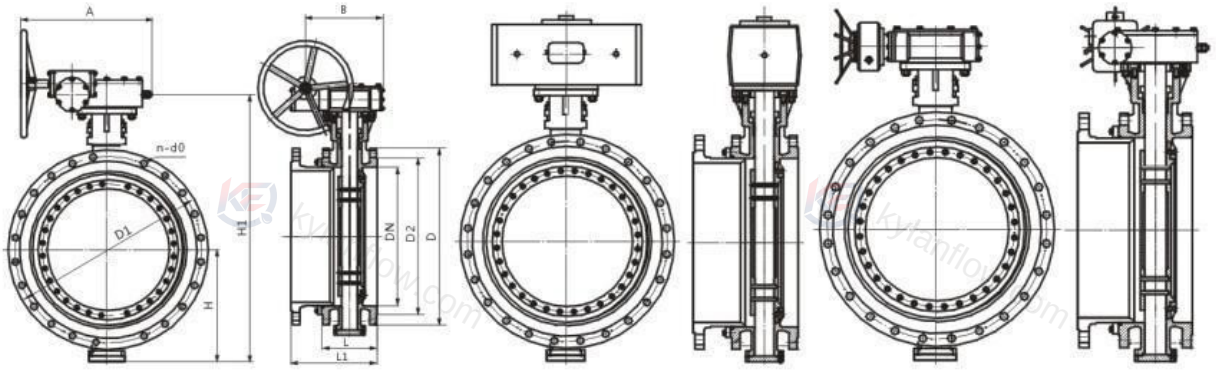


图一


图二

法兰伸缩蝶阀

EXPANSION JOINT BUTTERFLY VALVE



型号：SD343H-16C/25C DN600以上　　型号：SD643H-16C/25C DN600以上　　型号：SD943H-16C/25C DN600以上

SD341H/F/X SD641H/F/X SD941H/F/X
SD343H/F/X SD643H/F/X SD943H/F/X

主要外形尺寸 Main size of outside

公称通径 DN Nominal diameter		外形尺寸(参考值) External dimension(consult)					连接尺寸 Conjunction Size													
									0.6MPa				1.0MPa				1.6MPa			
mm	inch	H	H1	设计最大长度 Lmax Most design extent	设计最小长度 Lmin Least design extent	设计长度 L Design extent	A	B	D	D1	D2	n-d0	D	D1	D2	n-d0	D	D1	D2	n-d0
50	2	80	309	164	138	151	180	200	140	110	88	4-14	165	125	99	4-18	165	125	99	4-18
65	2 1/2	95	337	190	154	172	180	200	160	130	108	4-14	185	145	118	4-18	185	145	118	4-18
80	3	98	347	195	163	177	180	200	190	150	124	4-18	200	160	132	8-18	200	160	132	8-18
100	4	114	373	227	184	206	180	200	210	170	144	4-18	220	180	156	8-18	220	180	156	8-18
125	5	128	405	254	201	215	180	200	240	200	174	8-18	250	210	184	8-18	250	210	184	8-18
150	6	139	440	240	195	225	270	280	265	225	199	8-18	285	240	211	8-22	285	240	211	8-22
200	8	174	612	265	215	245	400	425	320	280	254	8-18	340	295	266	8-22	340	295	266	12-22
250	10	215	693	295	235	265	400	425	375	335	309	12-18	395	350	319	12-22	405	355	319	12-26
300	12	245	747	308	254	282	450	560	440	395	363	12-22	445	400	370	12-22	460	410	370	12-26
350	14	270	802	325	271	300	450	560	490	445	413	12-22	505	460	429	16-22	520	470	429	16-26
400	16	305	991	345	283	314	535	580	540	495	463	16-22	565	515	480	16-26	580	525	480	16-30
450	18	325	1037	370	314	340	535	580	595	550	518	16-22	615	565	530	20-26	640	585	548	20-30
500	20	360	1127	377	316	346	535	580	645	600	568	20-22	670	620	582	20-26	715	650	609	20-33
600	24	445	1377	446	388	417	570	660	755	705	667	20-26	780	725	682	20-30	840	770	720	20-36
700	28	505	1496	445	395	425	750	550	860	810	772	24-26	895	840	794	24-30	910	840	794	24-36
800	32	560	1584	479	425	455	750	550	975	920	878	24-30	1015	950	901	24-33	1025	950	901	24-39
900	36	630	1676	515	455	485	750	550	1075	1020	978	24-30	1115	1050	1001	28-33	1125	1050	1001	28-39
1000	40	680	1760	525	465	495	900	750	1175	1120	1078	28-30	1230	1160	1112	28-36	1255	1170	1112	28-42
1200	48	795	2018	574	512	542	1000	925	1405	1340	1295	32-33	1455	1380	1328	32-39	1485	1390	1328	32-48

通风蝶阀

AERATION BUTTERFLY VALVE

产品用途 Product Use

产品为热力风道和调节风量的新产品，结合了球阀和蝶阀两者的优点，采用板焊蝶板结构、能平稳、精确的调节合理的风量，使流量特性为近似等百分比，可调范围大，可调为 100: 1、运用方向轴节及铰链机构，可满足管道工上方、下方任意位置的安装和驱动，专门设计的操纵架，具备操作方便、轻巧灵敏、定位准确的特定功能，驱动方式有蜗轮蜗杆传动及电动。

As a new product for thermal air duct and air volume adjustment, it embodies th advantages of ball valve and butterfly valve. It uses sheet welded disc to stably and precisely adjust the air volume, making flow characteristic approximately to equal percentage. Range of adjustment is up to 100:1 With the use of axial ring and high structure, pipe can be mounted and driven at any position from. Top or bottom. Specially designed operating frame is featured by easy operation, high flexibility and accurate positioning Drive modes include worm and gear driven and electric.

结构特点 Structure Features

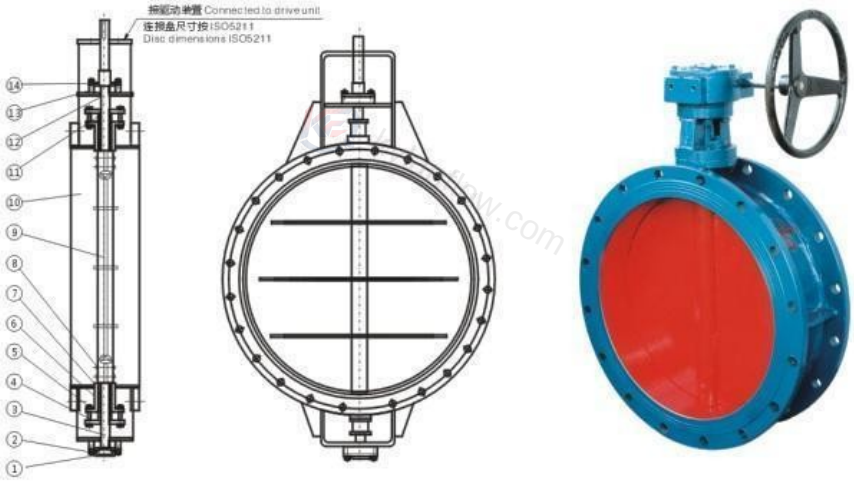
调节蝶阀主要用于业气体管道中作调节介质流量用，主要结构为直板式调节和ZAJW 型自动调节蝶阀。

用途和特点，直板式调节阀适用于水泥、建材、市政建设、电力等行业气体管道作启闭和调节介质流量之用，该阀流阻小、启闭灵活、结构简单、结构长度度短，重量轻，使用维修方便。

Regulating butterfly valves are used to adjust the flow of medium in industrial gas pipeline.mainly designed to vertical disc type regulating valve andZAJW automatic regulating butterfly valve.

Application and features: vertical disc type adjusting valve is used to open, close and adjust the flow of medium in the industrial gas pipeline in the fields of cements, building materials, municipal engineering, electric power and etc. It is featured by low fluid resistance, flexible open and close , simple structure, short structure, light weight , easy operation and maintenance.

结构简图(通风蝶阀) Strural diagram(ventilating butterfly valve)



TD341W–0.5/1.0//2.5/6.0MPa C、P、V

材料明细表(通风蝶阀) Materials list (Aaration butterfly valve)

序号 NO	零件名称 Part Name	材料 Materials	可选材料 Optional Materials
1	下轴承套 Down bearing cover	碳钢 Carbon Steel	不锈钢SS
2	螺栓 bolts	碳钢 Carbon Steel	不锈钢SS
3	下阀杆Down Stem	不锈钢SS	不锈钢SS
4	螺栓 bolts	碳钢 Carbon Steel	不锈钢SS
5	螺母Nut	碳钢 Carbon Steel	不锈钢SS
6	填料Packing	柔性石墨 Grqhite	柔性石墨 Grqhite
7	衬套Bushing	碳钢 Carbon Steel	不锈钢SS

序号 NO	零件名称 Part Name	材料 Materials	可选材料 Optional Materials
8	销轴Pin	不锈钢SS	不锈钢SS
9	蝶板 Disc	不锈钢SS	不锈钢SS
10	阀体Body	碳钢 Carbon Steel	不锈钢SS
11	填料压套 Gland	碳钢 Carbon Steel	不锈钢SS
12	上阀杆up Stem	不锈钢SS	不锈钢SS
13	轴承Bearing	–	–
14	上轴承套 Up bushing cover	碳钢 Carbon Steel	不锈钢SS

电动通风蝶阀

ELECTRIC DRIVE AARATION BUTTERFLY VALVE

TD941W-0.5/1.0//2.5/6.0MPa C、P、V该阀主要用于冶金工业的烧结、冶炼系统建材、化工、能源、环保等行业的通风除尘管道，是一种安全可靠的调节、隔断装置。

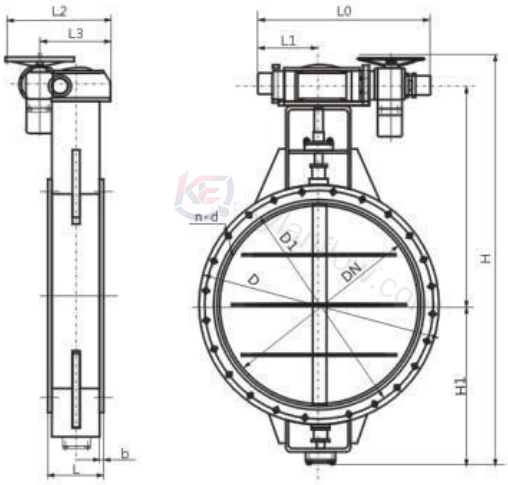
该阀结的构紧凑，体积小，重量轻，密封效果好、泄漏量小。该阀可远程控制也可就地操作。

This valve is a dependable adjusting and cutoff device mainly used in the ventilating and dedusting pipeline in the industries of building materials,chemical. energy sources and environmental protection etc.

This valve is featured by compact structure, small volume. light weight, outstanding seal, little leakage, remote control and spot operation.

公称压力：0.1MPa~1MPa(DN200~2000)
0.01MPa~1MPa(DN2200~3000)
0.005MPa~1MPa(DN3200~5350)
适用介质：空气及含尘烟气、煤气等
适用温度：≤300℃~1200℃

Nominal pressure：0.1MPa~1MPa(DN200~2000)
0.01MPa~1MPa(DN2200~3000)
0.005MPa~1MPa(DN3200~5350)
Applicable medium:air and dusty smoke gas
Applicable temperature：≤300℃~1200℃



TD941W-0.5/1.0//2.5/6.0MPa C、P、V

主要外形尺寸 Main size of outside

TD941W

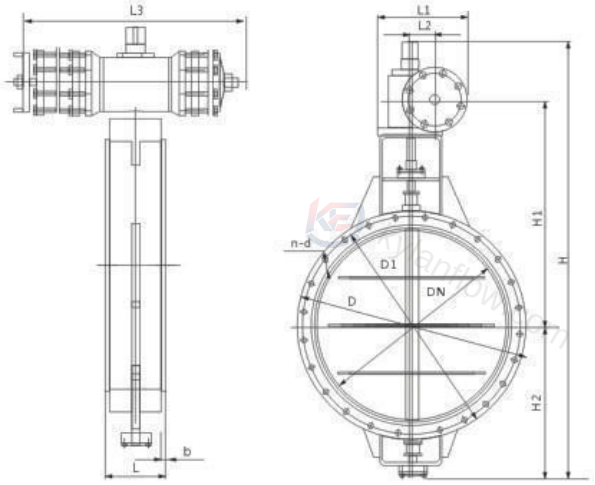
DN	L	D	D1	b	n-d	H	H1	H2	LO	L1	L2	L3	重量kg
200	140	320	280	16	8-17.5	917	530	225	300	140	363	223	70
250	140	375	335	16	12-17.5	967	550	250	300	140	363	223	81
300	170	440	395	16	12-22	1027	610	280	300	140	363	223	89
350	170	490	445	16	12-22	1166	635	320	355	160	460	300	167
400	190	540	495	16	16-22	1216	670	345	355	160	460	300	176
450	190	595	550	16	16-22	1276	685	375	355	160	460	300	189
500	190	645	600	20	20-22	1316	700	395	355	160	460	300	202
600	210	755	705	20	20-26	1432	752	466	795	160	684	215	351
700	210	860	810	20	24-26	1532	802	516	795	160	684	215	376
800	210	975	920	20	24-30	1656	852	580	795	160	684	215	463
900	250	1075	1020	20	24-30	1756	902	630	795	160	684	215	506
1000	250	1175	1120	20	28-30	1878	962	695	880	195	738	290	603
1200	250	1375	1320	20	32-30	2070	1035	795	865	195	738	290	750
1400	300	1575	1520	20	36-30	2350	1195	915	890	250	701	330	1213
1600	300	1790	1730	24	40-30	2550	1295	1015	890	250	701	330	1403
1800	300	1900	1930	24	44-30	2750	1395	1115	890	250	701	330	1710
2000	300	2190	2130	24	48-30	2950	1495	1215	890	250	701	330	1869
2200	350	2405	2340	24	52-33	3750	1883	1642	1060	303	840	360	2650
2400	350	2605	2540	24	56-33	3950	1983	1742	1060	303	840	360	2880
2600	350	2805	2740	28	60-36	4150	2083	1842	1060	303	840	360	3396
2800	400	3030	2960	28	64-36	4490	2290	1980	1245	385	860	360	3978
3000	400	3230	3160	28	68-36	4690	2390	2080	1245	385	860	360	4495
3200	450	3430	3360	32	72-36	4990	2490	2135	1430	468	870	390	7250
3400	500	3630	3560	32	76-36	5190	2590	2235	1430	468	870	390	8500
3600	550	3840	3770	32	80-36	5390	2690	2335	1430	468	870	390	9490
3800	600	4045	3970	34	80-39	5605	2800	2440	1650	468	1080	450	10500
4000	600	4245	4170	34	84-39	5805	2900	2540	1650	468	1080	450	11660
4200	600	4460	4380	38	88-39	6030	3000	2640	1840	510	1080	450	12890
4500	700	4800	4700	40	96-39	6390	3200	2800	1840	510	1245	510	15910
4600	700	4900	4800	44	100-39	6780	3350	2940	1840	510	1245	510	17680
4800	800	5150	5040	44	104-39	7080	3450	3040	1840	510	1908	510	19640
4850	1200	5305	5200	48	108-39	7760	3600	3120	1900	510	1908	560	30226
5350	1600	5800	5690	50	116-39	7875	3765	3730	1908	560	1908	780	26950

气动通风蝶阀

PNEUMATIC DRIVE BUTTERFLY VALVE

公称压力：0.1MPa~1MPa
适用介质：空气及含尘烟气
适用温度：≤300℃~800℃
主体零件材料：碳钢、合金钢

Nominal pressure: 0.1MPa~1MPa
Applicable medium: air and dusty smoke gas
Applicable temperature: ≤300℃~800℃
Material of main parts: carbon steel, alloy steel



TD641W-0.5/1.0//2.5/6.0MPa C、P、V

该阀主要用于冶金工业的烧结、冶炼系统建材、化工、能源、环保等行业的通风除尘管道，是一种安全可靠的调节、隔断装置。
该阀结的构紧凑，体积小，重量轻，密封效果好、泄漏量小。该阀可远程控制也可就地操作。

This valve is a dependable adjusting and cutoff device mainly used in the ventilating and dedusting pipeline in the industries of building materials, chemical. energy sources and environmental protection etc.
This valve is featured by compact structure, small volume. light weight,outstanding seal, little leakage, remote control and spot operation.

主要外形尺寸 Main size of outside

TD641W

DN	L	D	D1	b	n-d	H	H1	H2	L1	L2	L3	重量 kg
200	140	320	280	16	8-17.5	721	415	225	220	70	450	68
250	140	375	335	16	12-17.5	771	440	250	220	70	450	78
300	170	440	395	16	12-22	832	470	280	220	70	450	86
350	170	490	445	16	12-22	981	515	320	280	100	650	150
400	190	540	495	16	16-22	1031	545	345	280	100	650	160
450	190	595	550	16	16-22	1091	570	375	280	100	650	174
500	190	645	600	20	20-22	1131	590	395	280	100	650	187
600	210	755	705	20	20-26	1322	716	466	380	120	1250	302
700	210	860	810	20	24-26	1422	766	516	380	120	1250	407
800	210	975	920	20	24-30	1565	830	585	260	120	1250	517
900	250	1075	1020	20	24-30	1615	880	635	260	120	1250	560
1000	250	1175	1120	20	28-30	1790	950	695	580	290	1500	600
1200	250	1375	1320	20	32-30	1990	1050	795	580	290	1500	750
1400	300	1575	1520	20	36-30	2170	1105	915	580	290	1500	980
1600	300	1790	1730	24	40-30	2370	1205	1015	580	290	1500	1290