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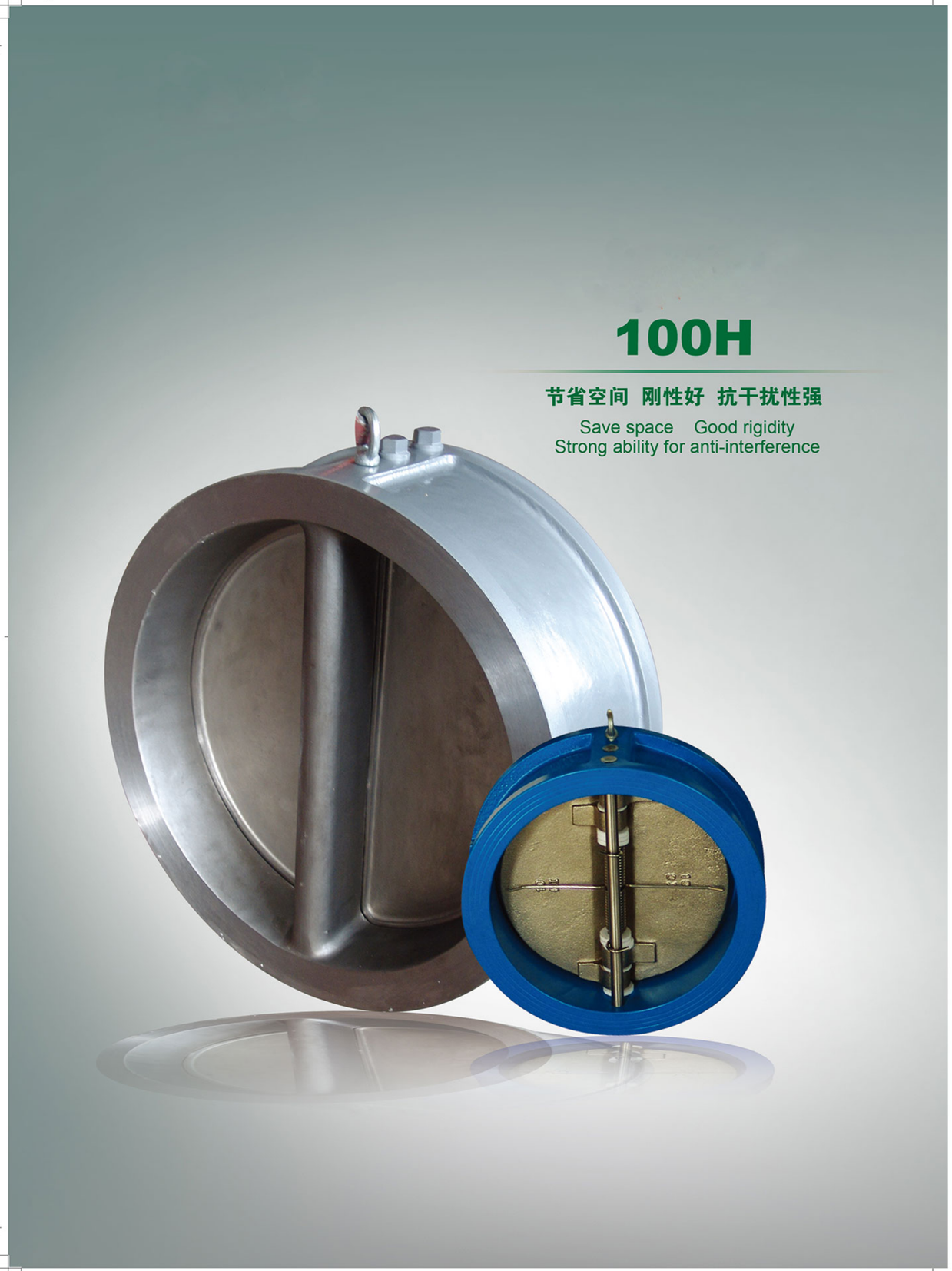












100H蝶式双瓣止回阀
100H double disccheck valve

100H性能特点与用途

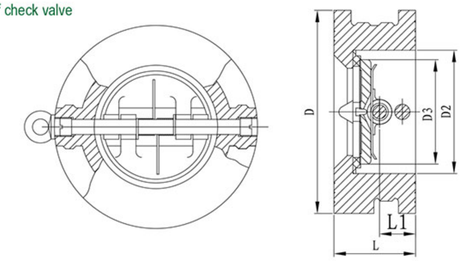
- 密封阀座采用多条窄带设计，阀座直接硫化到阀体上，使密封可靠性大大提高达到完全密封，实现零泄漏。
- 结构性能安全可靠，抗干扰性强，关闭速度快，水头损失小。
- 结构长度短，刚性好，安装方便。
- 主要零部件材质可选范围宽，使用介质范围广。
- 适用于高层建筑给水管网、有一定化学腐蚀性介质管网、安装空间有限制的管网、还适用于工业污水管网。

100H Features and application

- Seal seat is multiple narrowband design, seat is vulcanized directly onto the body, the valve can achieve zero leakage.
- The valve is of reliable structure,strong anti-interference, fast closing speed, small water head loss.
- The valve is of short face to face distance, rigid,easy installation.
- The valve is suitable for many media because of the wide material options of main parts.
- The valve is suitable for water supply network of high-rise building, medium pipe network with certain chemical corrosion, the limited space pipe network and industrial sewage pipe network.

100H 止回阀主要连接尺寸

100H main connection size of check valve



Unit：mm

公称通径 Nominal Diameter	D	D2	D3	L1	API594—1991L	GB/T12221—1989L
DN50	107	60	52	25	54	43
DN65	127	73	63	25	54	46
DN80	142	89	78	25	57	64
DN100	162	114	102	29	64	64
DN125	192	141	127	30	70	70
DN150	218	168	154	30	76	76
DN200	272	219	202	40	95	89
DN250	327	273	254	40	108	114
DN300	377	324	303	56	143	114
DN350	440	356	318	94	184	127
DN400	491	406	381	89	191	140
DN450	541	457	429	86	203	152
DN500	596	508	478	90	213	152
DN600	698	610	575	87	222	178

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100D/101D

适用所有平面法兰 安装无特殊要求 通用性强

Applicable to all flat flange
No special installation requirements
Versatility

100D/101D系列中线蝶阀

The 100D/101D Series centerline butterfly valve



100D/101D系列产品特点

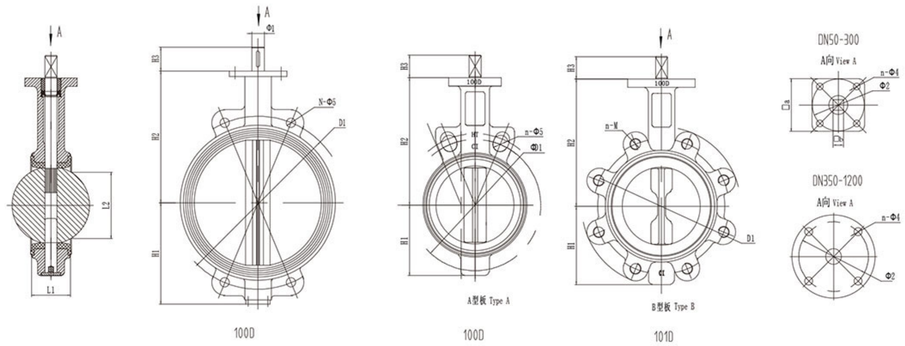
- 橡胶阀座直接硫化在阀体上，阀门安装时阀座不易被搓起，阀门安装后阀座内腔也不会变形，从而不会造成启闭扭矩突变增大和阀座早期因磨损而撕裂。因阀体与阀座融为一体，因此不会出现由于阀体与阀座间介质的侵入而造成阀座抱死蝶板的严重后果。
- 阀座密封面的尺寸可满足GB、ISO、AMST、JIS标准的要求，因此适用所有的平面法兰盘，从而降低工程造价。
- 蝶板与阀轴的连接方式分为两种：DN50-300选用小模数花键连接结构；DN350-1200采用两截式无销结构，通过中间连杆将上下阀轴连成一体。这两种阀轴结构抗弯强度均比普通无销阀轴抗弯强度高。

Characteristics of 100D/101D Product

- The rubber seat is directly vulcanizes to the body, so the seat isn’t easy to be pinched up when being installed, and the seat lumen without deformation after being installed. Thus the opening/closing torque will not increase, the seat won’t be teared because of early stage abrading. The seat and disc will not be locked together because of without gap between the seat and body , then without media into.
- The seat seal surface is confirmed according to the standards of the GB、ISO、AMST、JIS, all welding flanges can be connected with low construction cost.
- The connection of the disc and stem is different to valves. The small module spline structure is be selected for DN50-300, two-piece no-pin structure is for DN350-1200. The bending strength is higher than the common non-pin valve.

100D/101D系列蝶阀主要外形尺寸图

Figure of 100D / 101D series butterfly valve



100D/101D系列蝶阀主要外形连接尺寸

Main dimensions of 100D / 101D series butterfly valve

规格 Specification(DN)（mm）	（inch）	H1	H2	H3	D1	φ1	φ2	□b	□a	n–φ4	n–φ5	L1	L2	n–M	A型总重 Goss weight（Kg）
50	2〃	53	130	22.5	125	12.6	50	9	50	4–φ7	2–18	42.6	32	4–M16	2.1
65	2.5〃	65	143	22.5	145	12.6	50	9	50	4–φ7	2–18	45.6	47	4–M16	2.4
80	3〃	75	155	22.5	160	12.6	50	9	50	4–φ7	2–18	45.6	65	8–M16	2.6
100	4〃	94	170	30	180	15.8	70	11	70	4–φ10	2–22	51.6	91	8–M16	4.5
125	5〃	113	190	30	210	19	70	14	70	4–φ10	2–22	55.6	112	8–M16	6.8
150	6"	124	210	30	240	19	70	14	70	4–φ10	2–23	55.6	146	8–M16	8.3
200	8"	157	243	39	295	22.1	102	17	95	4–φ12	2–23 2–23	59.6	194	8–M20 12–M20	13
250	10"	188	282	39	350 355	28.5	102	22	95	4–φ12	2–23 2–28	67.6	242	12–M20 12–M24	18.8
300	12"	227	310	39	400 410	31.7	125	22	120	4–φ14	2–23 2–28	77.6	292	12–M20 12–M24	29
350	14"	267	345	39	460 470	31.7	125			4–φ14	4–23 4–28	77	325	16–M20 16–M24	82.5
400	16"	309	400	51.2 72	515 525	33.15	175			4–φ18	4–26 4–30	86.5	380	16–M24 16–M27	86
450	18"	337	445	51.2 72	565 585	38	175			4–φ18	4–26 4–30	105.6	428	20–M24 20–M27	109
500	20"	361	480	64.2 82	620 650	41.15	165			4–φ22	4–26 4–33	131.8	474	20–M24 20–M30	163
600	24"	459	562	70.2 82	725 770	50.65	165			4–φ22	4–30 4–36	152	573	20–M27 20–M33	228
700	28"	527	629	66 82	840	63.35	254			8–φ18	4–30 4–36	163	676	24–M27 24–M33	334
800	32"	594	666	66 82	950	63.35	254			8–φ18	4–33 4–39	188	773	24–M30 24–M36	459
900	36"	656	720	118	1050	75	254			8–φ18	4–33 4–39	203	841	28–M30 28–M36	600
1000	40"	718	800	142	1160 1170	85	298			8–φ22	4–36 4–42	216	941	28–M33 28–M39	973
1200	48"	864	941	142	1380 1390	105	298			8–φ22	4–39 4–48	276	1127	32–M36 32–M45	1545

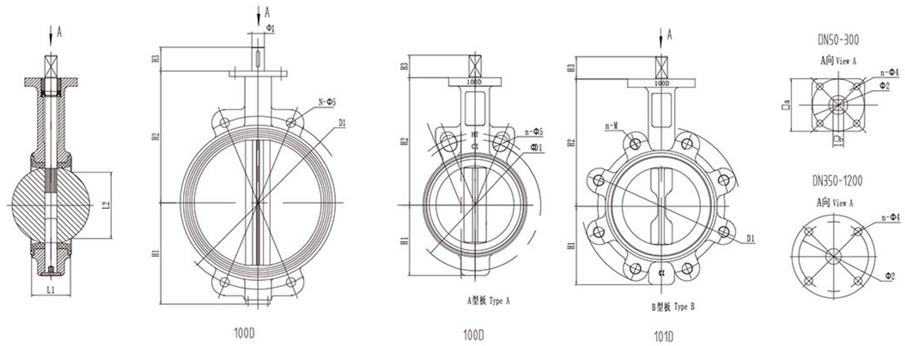
注：表中数值分别表示PN1.0MPa/PN1.6MPa。

Note:In the table,the values show as PN1.0Mpa/PN1.6Mpa



110D/101D系列蝶阀主要外形尺寸图

Figure of 110D / 101D series butterfly valve



110D/101D系列蝶阀主要外形连接尺寸

Main dimensions of 110D / 101D series butterfly valve

规格 Specification(DN)（mm）	（inch）	H1	H2	H3	D1	φ1	φ2	□b	□a	n–φ4	n–φ5	L1	L2	n–M	A型总重 Goss weight（Kg）
50	2〃	53	130	22.5	125	12.6	50	9	50	4–φ7	2–18	42.6	32	4–M16	2.1
65	2.5〃	65	143	22.5	145	12.6	50	9	50	4–φ7	2–18	45.6	47	4–M16	2.4
80	3〃	75	155	22.5	160	12.6	50	9	50	4–φ7	2–18	45.6	65	8–M16	2.6
100	4〃	94	170	30	180	15.8	70	11	70	4–φ10	2–22	51.6	91	8–M16	4.5
125	5〃	113	190	30	210	19	70	14	70	4–φ10	2–22	55.6	112	8–M16	6.8
150	6"	124	210	30	240	19	70	14	70	4–φ10	2–23	55.6	146	8–M16	8.3
200	8"	157	243	39	295	22.1	102	17	95	4–φ12	2–23 2–23	59.6	194	8–M20 12–M20	13
250	10"	188	282	39	350 355	28.5	102	22	95	4–φ12	2–23 2–28	67.6	242	12–M20 12–M24	18.8
300	12"	227	310	39	400 410	31.7	125	22	120	4–φ14	2–23 2–28	77.6	292	12–M20 12–M24	29
350	14"	267	345	39	460 470	31.7	125			4–φ14	4–23 4–28	77	325	16–M20 16–M24	82.5
400	16"	309	400	51.2 72	515 525	33.15	175			4–φ18	4–26 4–30	86.5	380	16–M24 16–M27	86
450	18"	337	445	51.2 72	565 585	38	175			4–φ18	4–26 4–30	105.6	428	20–M24 20–M27	109
500	20"	361	480	64.2 82	620 650	41.15	165			4–φ22	4–26 4–33	131.8	474	20–M24 20–M30	163
600	24"	459	562	70.2 82	725 770	50.65	165			4–φ22	4–30 4–36	152	573	20–M27 20–M33	228
700	28"	527	629	66 82	840	63.35	254			8–φ18	4–30 4–36	163	676	24–M27 24–M33	334
800	32"	594	666	66 82	950	63.35	254			8–φ18	4–33 4–39	188	773	24–M30 24–M36	459
900	36"	656	720	118	1050	75	254			8–φ18	4–33 4–39	203	841	28–M30 28–M36	600
1000	40"	718	800	142	1160 1170	85	298			8–φ22	4–36 4–42	216	941	28–M33 28–M39	973
1200	48"	864	941	142	1380 1390	105	298			8–φ22	4–39 4–48	276	1127	32–M36 32–M45	1545

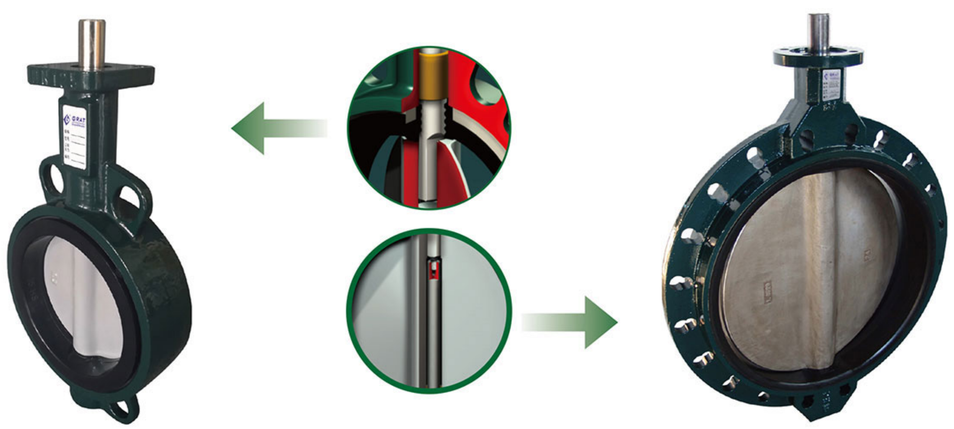
注：表中数值分别表示PN1.0MPa/PN1.6MPa。

Note:In the table,the values show as PN1.0Mpa/PN1.6Mpa



194D（A型对夹）/197D(U型对夹)系列中线蝶阀

194D (A TYPE Wafer / 197D (U TYPE Wafer) series centerline butterfly valve



194D/197D产品特点

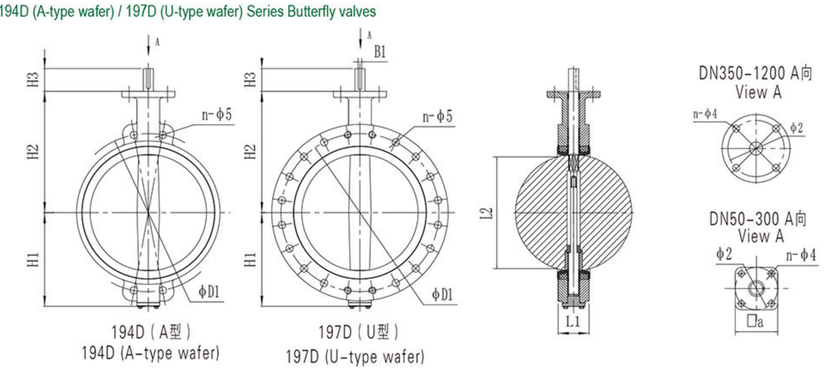
- 该系列产品均采用传统的有靠背阀座，通用互换性好，维修成本低。
- 阀座靠背材质有两种选择：一种为酚醛树脂，通常用于DN50–DN350的蝶阀；另一种为铝合金，通常用于DN400–DN1200的蝶阀。
- DN50–DN300采用两截式无销扁轴连接形式；DN350–DN1200采用两截式无销阀杆加中间连杆的结构，上下阀轴通过中间连杆连成一体，抗弯强度高。在阀杆底部设有止推轴承，蝶板下轴孔采用刚性支撑套和润滑衬套，有效地增强了蝶板的刚度，大大降低了启闭扭矩值。

Character of 194D/197 Series butterfly valve

- This series are of the traditional seat with backrest structure, general interchangeability and low maintenance costs.
- There are two kinds of material for the seat backrest: one is phenolic resin, usually used for DN50–DN350; the other is aluminum alloy, usually used for the DN400–DN1200.
- No–pin flat shaft connection is adopted for DN50–DN300; Two–piece no–pin stems and one intermediate rod are adopted for DN350–DN1200, up stem and down stem are linked together by a intermediate rod。Thrust bearings are located at the bottom of the stem. The rigidity support brush and self–lubricating brush are adopted at the down shaft hole of disc. This structure is of high rigid and greatly reducing the opening/closing torque.

194D（A型对夹)/197D (U型对夹)系列外形尺寸图

Figure of 194D (A-type wafer) / 197D (U-type wafer) Series Butterfly valves



194D /197D主要外形连接尺寸

Main dimensions of 194D (A-type wafer) / 197D (U-type wafer) Series Butterfly

规格 Specification(DN) （mm）	（inch）	H1	H2	H3	D1	φ1	φ2	□a	n–φ4	n–φ5	L1	L2	B1	A型总重 Goss weight （kg）
50	2〃	70	130	22.5	125	12.6	50	50	4–φ7	4–18	42.6	32	3	2.1
65	2.5〃	76	143	22.5	145	12.6	50	50	4–φ7	4–18	45.6	47	3	2.4
80	3〃	89	155	22.5	160	12.6	50	50	4–φ7	4–18	45.6	65	3	2.6
100	4〃	104	170	30	180	15.8	70	70	4–φ10	4–22	51.6	91	5	4.5
125	5〃	120	190	30	210	19	70	70	4–φ10	4–22	55.6	112	5	6.8
150	6"	139	210	30	240	19	70	70	4–φ10	8–23	55.6	146	5	22
200	8"	175	243	39	295	22.1	102	95	4–φ12	8–23 12–23	59.6	194	5	32.2
250	10"	203	282	39	350 355	28.5	102	95	4–φ12	12–23 12–28	67.6	242	8	45.2
300	12"	242	310	39	400 410	31.7	125	120	4–φ14	12–23 12–28	77.6	292	8	58.5
350	14"	277.5	368	39	460 470	31.7	125		4–φ14	16–23 16–28	77	325	10	82.5
400	16"	309	400	51.2 72	515 525	33.15	175		4–φ18	16–26 16–30	86.5	380	10	86
450	18"	337	422	51.2 72	565 585	38	175		4–φ18	20–26 20–30	105.6	428	10	109
500	20"	361	480	64.2 82	620 650	41.15	165		4–φ22	20–26 20–33	131.8	474	10	163
600	24"	459	562	70.2 82	725 770	50.65	165		4–φ22	20–30 20–36	152	573	16	228
700	28"	527	629	66 82	840	55 63.35	254		8–φ18	24–30 24–36	163	676	18	334
800	32"	594	666	66 82	950	55 63.35	254		8–φ18	24–33 24–39	188	773	18	459
900	36"	656	720	118	1050	75	254		8–φ18	28–33 28–39	203	841	20	600
1000	40"	718	800	142	1160 1170	85	298		8–φ22	28–36 28–42	216	941	22	973
1200	48"	864	941	142	1380 1390	105	298		8–φ22	32–39 32–48	276	1127	28	1545

注：表中数值分别表示PN1.0MPa/PN1.6MPa。

Note:In the table,the values show as PN1.0Mpa/PN1.6Mpa

290D

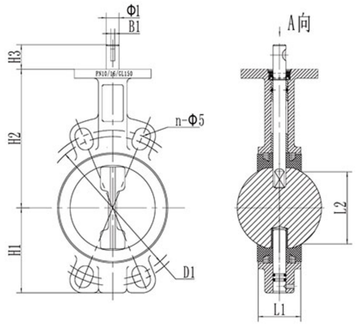
流量特性好 维修拆卸方便

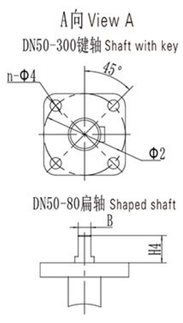
Flow characteristics is good, maintenance and removal are easy



290D系列中线蝶阀

290D series Centerline Butterfly Valve









290D系列产品特点

- 采用半轴式无销盲孔板结构形式，阀门流量特性比194D系列蝶阀相对大,结构简单紧凑，维修拆卸极为方便。
- 上阀轴与蝶板采用异形孔连接，下阀轴设有两道“O”型密封圈，起到了双重密封的作用，同时又防止外部物质的侵入。

Character of 290D series butterfly valve

- This series valves disc is of half-shape and no-pin blind-hole, the flow characteristics is larger than the 194D Series valve. The valve is simple and compact, maintenance is very easy.
- The up valve shaft and disc are connected with a shaped hole. There are two "O" rings as double seal at the lower valve shaft, while preventing intrusion of foreign matter.

290D主要外形连接尺寸

Figure of 290D series butterfly valves

规格 Specification(DN) (mm)	(inch)	H1	H2	H3	H4	D1	φ1	φ2	□a	n-φ4	n-φ5	L1	L2	B1	B	总重 weight (Kg)
50	2〃	70	130	22.5	22.5	125	12.6	50	50	4-φ7	4-18	42.6	32	3	9	2.1
65	2.5〃	76	143	22.5	22.5	145	12.6	50	50	4-φ7	4-18	45.6	47	3	9	2.4
80	3〃	89	155	22.5	22.5	160	12.6	50	50	4-φ7	4-18	45.6	65	3	9	2.6
100	4〃	104	170	30	–	180	15.8	70	70	4-φ10	4-22	51.6	91	5	–	4.5
125	5〃	120	190	30	–	210	19	70	70	4-φ10	4-22	55.6	112	5	–	6.8
150	6"	132	210	30	–	240	19	70	70	4-φ10	8-23	55.6	146	5	–	8.3
200	8"	167	243	39	–	295	22.1	102	95	4-φ12	8-23 12-23	59.6	194	5	–	13
250	10"	202	282	39	–	350 355	28.5	102	95	4-φ12	12-23 12-28	67.6	242	8	–	18.8
300	12"	239	310	39	–	400 410	31.7	125	120	4-φ14	12-23 12-28	77.6	292	8	–	29

注：表中数值分别表示PN1.0MPa/PN1.6MPa。 Note:In the table,the values show as PN1.0Mpa/PN1.6Mpa



300D

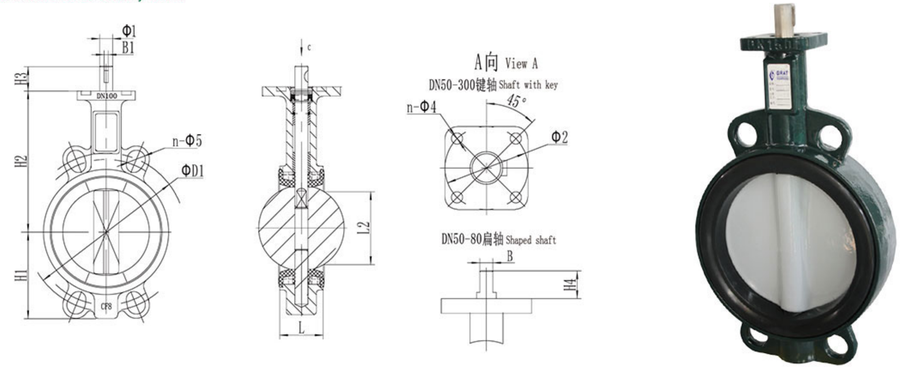
克服了传统中线蝶阀的致命缺点
适用所有平面法兰

Our valves have overcame the shortcomings of
the traditional butterfly valve
Applicable to all flat flange

300D系列中线蝶阀
300D series Centerline Butterfly Valve

300D系列蝶阀外形尺寸图

Figure of 300D series butterfly valves



300D系列产品特点

- 阀门采用球面密封，两截式无销阀轴结构，结构简单紧凑，维修拆卸方便。
- 阀座与阀体采用融为一体的方式，避免了无靠背阀座易变形并且阀座报死蝶板的致命缺点，同时阀座法兰密封面采用大宽边，大圆弧的结构，使阀门完全可以适合与任何标准的平面法兰盘连接。

Character of 300D series butterfly valve

- Valves adopt spherical seals and two-piece no-pin valve shaft, simple structure, easy maintenance and disassembly.
- The seat and body are combined into one, avoid deformation of seat and locking disc. while the seat flange sealing surface is of a large broad-brimmed, high arc, the valve can be connected to flat flanges that meet any standard.

300D主要外形连接尺寸

Main dimensions of 300D series Butterfly valve

规格 Specification(DN) (mm)	(inch)	H1	H2	H3	H4	D1	ϕ1	ϕ2	□a	n-ϕ4	n-ϕ5	L1	L2	B1	B	总重 weight (Kg)
50	2〃	70	130	22.5	22.5	125	12.6	50	50	4-ϕ7	4-18	42.6	32	3	9	2.1
65	2.5〃	76	143	22.5	22.5	145	12.6	50	50	4-ϕ7	4-18	45.6	47	3	9	2.4
80	3〃	89	155	22.5	22.5	160	12.6	50	50	4-ϕ7	4-18	45.6	65	3	9	2.6
100	4〃	104	170	30	–	180	15.8	70	70	4-ϕ10	4-22	51.6	91	5	–	4.5
125	5〃	120	190	30	–	210	19	70	70	4-ϕ10	4-22	55.6	112	5	–	6.8
150	6"	132	210	30	–	240	19	70	70	4-ϕ10	8-23	55.6	146	5	–	8.3
200	8"	167	243	39	–	295	22.1	102	95	4-ϕ12	8-23 12-23	59.6	194	5	–	13
250	10"	202	282	39	–	350 355	28.5	102	95	4-ϕ12	12-23 12-28	67.6	242	8	–	18.8
300	12"	239	310	39	–	400 410	31.7	125	120	4-ϕ14	12-23 12-28	77.6	292	8	–	29

注：表中数值分别表示PN1.0MPa/PN1.6MPa。
Note:In the table,the values show as PN1.0Mpa/PN1.6Mpa



320D

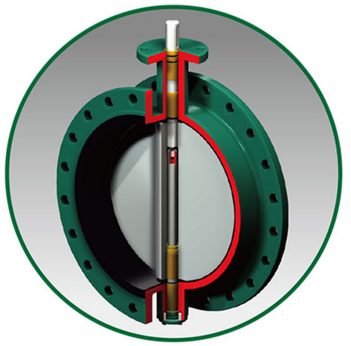
管网式蝶阀 抗管线应力强 后期维修方便

Butterfly valves for pipeline net
Strong resistance to stress of pipeline
Late easy maintenance

320D系列双法兰中线蝶阀

320D series Double Flange Centerline Butterfly Valve





320D产品特点

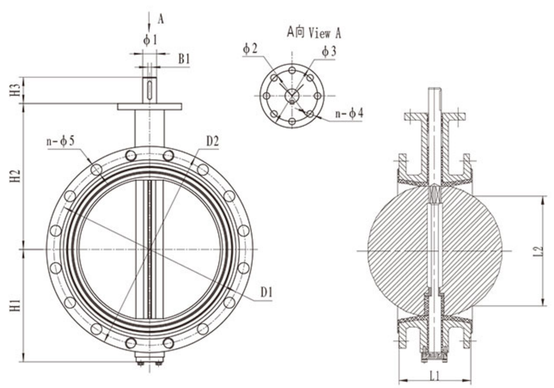
- 阀座整体硫化在阀体上,防止蝶板抱死,抗拉抗撕裂能力强,不易变形.
- 同194D/197D系列蝶阀的结构一样。

Character of 320D series butterfly valve

- The rubber seat is directly vulcanizes to the body, prevent locking disc, strongly resistance to being tear and not easily deformed.
- Structure is same as 194D / 197D series

320D主要外形尺寸图

Figure of 320D series butterfly valves



320D系列蝶阀外形尺寸

Main dimensions of 320D series Butterfly

规格 Specification(DN) (mm)	(inch)	H1	H2	H3	D1	D2	φ1	φ2	φ3	n–φ4	n–φ5	L1	L2	B1	总重 Goss weight (Kg)
50	2 "	70	130	30	125	165	12.6	50	65	4–φ7	4–18	108	32	3	8
65	2.5 "	76	143	30	145	185	12.6	50	65	4–φ7	4–18	112	47	3	10
80	3 "	89	155	30	160	200	12.6	50	65	4–φ7	4–18 8–18	114	65	3	11
100	4 "	104	170	30	180	220	15.8	70	90	4–φ10	8–18	127	91	5	14
125	5 "	120	190	30	210	250	19	70	90	4–φ10	8–18	140	112	5	18.5
150	6 "	132	210	30	240	285	19	70	90	4–φ10	8–23	140	146	5	22
200	8 "	167	243	39	295	340	22.1	102	125	4–φ12	8–23 12–23	152	194	5	32.2
250	10 "	202	282	39	350 355	395	28.5	102	125	4–φ12	12–23 12–28	165	242	8	45.2
300	12 "	239	310	39	400 410	445	31.7	125	150	4–φ14	12–23 12–28	178	292	8	58.5
350	14 "	265	345	39	460 470	505	31.7	125	150	4–φ14	16–23 16–28	190	325	10	82.5
400	16 "	308	400	51.2 72	515 525	565	33.2	140	175	4–φ18	16–28 16–31	216	380	10	107
450	18 "	341	422	51.2 72	565 585	615	38	140	175	4–φ18	20–28 20–31	222	428	10	108.5
500	20 "	381	460	64.2 82	620 650	670	41.2	165	210	4–φ22	20–28 20–34	229	474	10	166.2
600	24 "	476	563	70.2 82	725 770	780	50.7	165	210	4–φ22	20–31 20–40	267	573	16	236.7
700	28 "	520	626	66 82	840	895	55	254	300	8–φ18	24–34 24–40	292	676	18	240
800	32 "	591	709	66 82	950	1015	63.4 55	254	300	8–φ18	24–37 24–43	318	773	18	477
900	36 "	656	720	118	1050	1115	63.4	254	300	8–φ18	28–37 28–43	330	841	20	598
1000	40 "	721	800	142	1160 1170	1230	75 85	298	350	8–φ22	28–40 28–46	410	941	22	797
1200	48 "	844	941	142	1380 1390	1455	105	298	350	8–φ22	32–43 35–52	470	1127	28	1295

注：表中数值分别表示PN1.0MPa/PN1.6MPa。

Note:In the table,the values show as PN1.0Mpa/PN1.6Mpa



Ⅰ A–360D系列多功能中线蝶阀
Ⅰ A-360D series Multifunctional Centerline Butterfly Valve

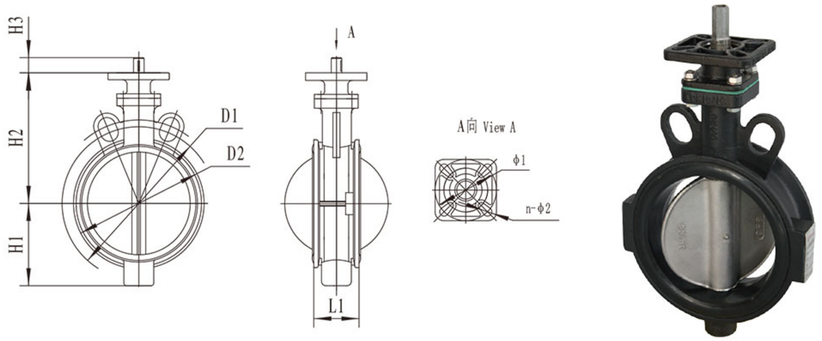
Ⅰ A–360D 产品特点

- 在阀门上法兰加装一个短支架，阀门上脖高度仅高出法兰盘外圆25mm,节省空间，可使管网有效空间缩小, 只要管道外壁保温层直径不大于法兰外径，均可选用手动、电动、气动蝶阀等安装形式。

Character of IA360D series butterfly valve

- A short bracket is mounted under the upper flange of the valves, the upper flange is higher than connecting flange 25mm, and the space of pipe network can be reduced effectively. As long as the diameter of the exterior insulation layer of the pipeline not more than the diameter of connecting flange , the manual, electric, pneumatic butterfly valves can be selected.

Ⅰ A– 360D 短脖普通蝶阀外形图
Figure of IA360D series butterfly valves



Ⅰ A– 360D 短脖普通蝶阀外形尺寸
Main dimensions of IA360D series Butterfly

规格Specification(DN) (mm)	(inch)	H1	H2	H3	D1	D2	L1	Φ1	N–Φ2
25/32	1〃	41	92	18	PN1.0MPa/PN1.6MPa/GL150/ JIS10K	70	32.7	36/42	4–φ6
40	1.5〃	45	98	18		80	32.7	36/42	4–φ6
50	2〃	53	110	22.5		88	42.6	50	4–φ7
65	2.5〃	65	120	22.5		106	45.6	50	4–φ7
80	3〃	75	131	22.5		120	45.6	50	4–φ7
100	4〃	94	155	30		146	51.6	70	4–φ10
125	5〃	113	170	30		176	55.6	70	4–φ10
150	6〃	124	188	30		207	55.6	70	4–φ10
200	8〃	157	236	39		258	59.6	102	4–φ12
250	10〃	188	278	39		313	67.6	102	4–φ12
300	12〃	227	314	39		368	77.6	125	4–φ14

Ⅱ A–360D 系列多功能中线蝶阀
Ⅱ A-360D series Multifunctional Centerline Butterfly Valve

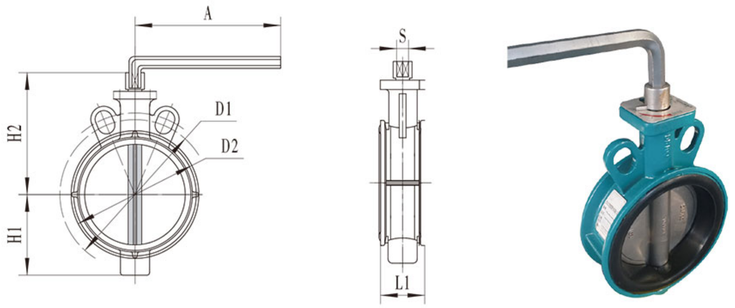
Ⅱ A–360D 产品特点

- 该结构蝶阀最突出的特点就是没有专用驱动装置，当阀门需要启闭时可迅速通过一个可插拔式通用手柄进行操作。
- 由于多个规格蝶阀采用一种手柄，特别是大规格（DN200~DN300）蝶阀，只用插拔式通用手柄加适当长套管就可以轻松启闭阀门，可以有效地降低工程造价，在一些特殊的环境下使用。
- 插拔式手柄具有带锁功能，可在关–开任意位置锁定，可以有效的防止他人误开关，特别适用于无人监控的地方。

Character ofIIA360D series butterfly valve

- The most prominent feature of this series butterfly valve is no dedicated drive devise, opening or closing the valve only need to operating a pluggable universal handle.
- The handle can be used to many kinds of butterfly valves. Especially large size (DN200 ~ DN300), when open or close the valve, you only need to add an appropriate long sleeves to plug–in universal handle. Reduce the project cost in some special circumstances.
- The plug–in handle has a lock feature, the handle can be locked at any position, effectively prevent from mistakenly switch especially for unattended places.

Ⅱ A–360D 通用手柄蝶阀外形图
Figure of IIA360D series butterfly valves



Ⅱ A–360D 通用手柄蝶阀外形尺寸
II A-360D Figure of general handle butterfly valves

规格Specification(DN) (mm)	(inch)	H1	H2	D1	D2	A	L1	S
50	2〃	53	105	PN1.0MPa/PN1.6MPa/GL150/ JIS10K	88	≥120	42.6	8
65	2.5〃	65	115		106	≥120	45.6	8
80	3〃	75	125		120	≥120	45.6	8
100	4〃	94	144		146	≥170	51.6	12
125	5〃	113	165		176	≥170	55.6	12
150	6〃	124	176		207	≥170	55.6	12
200	8〃	157	227		258	≥220	59.6	17
250	10〃	188	289		313	≥250	67.6	17
300	12〃	227	297		368	≥300	77.6	22

IIIA–360D系列多功能中线蝶阀
IIIA360D Multifunction centerline butterfly valves

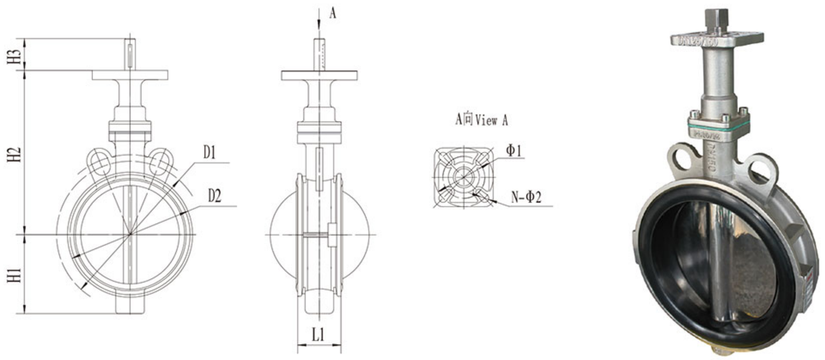
IIIA–360D 产品特点

- 在阀门上法兰加装一个长支架，阀门上脖高度要比一般阀门高1/5,所以可用于保温层较厚（管道外壁直径2倍）的管道。
- 由于阀体与上脖体之间装有橡胶纸板，可以有效地阻断壳体之间的热能交换，可适合于防结露管道。

Character of IIA360D series butterfly valve

- A long bracket is mounted at the upper flange of the valves, the upper flange is higher than the average valves 1/5, and it can be used for the pipeline with the thicker exterior insulation layer (2 times the diameter of the pipe).
- A rubber cardboard is mounted between the body and the upper flange, effectively block the heat exchange between the shell at anti–condensation pipeline.

IIIA–360D长脖蝶阀外形图
Figure of I IIA360Dseries butterfly valves



IIIA–360D长脖蝶阀外形尺寸
Main dimensions of I IIA360D series Butterfly

Size (DN) (mm)	(inch)	H1	H2	H3	D1	D2	L1	Φ1	N–Φ2
50	2〃	53	215	22.5	PN1.0MPa/PN1.6MPa/GL150/ JIS10K	88	42.6	50	4–ϕ7
65	2.5〃	65	225	22.5		106	45.6	50	4–ϕ7
80	3〃	75	235	22.5		120	45.6	50	4–ϕ7
100	4〃	94	260	30		146	51.6	70	4–ϕ10
125	5〃	113	293	30		176	55.6	70	4–ϕ10
150	6〃	124	310	30		207	55.6	70	4–ϕ10
200	8〃	157	378	39		258	59.6	102	4–ϕ12
250	10〃	188	428	39		313	67.6	102	4–ϕ12
300	12〃	227	461	39		368	77.6	125	4–ϕ14

362D

结构精巧　最小规格DN25

Compact structure Minimum size DN25



362D系列多功能中线蝶阀
Character of 362D series butterfly valve

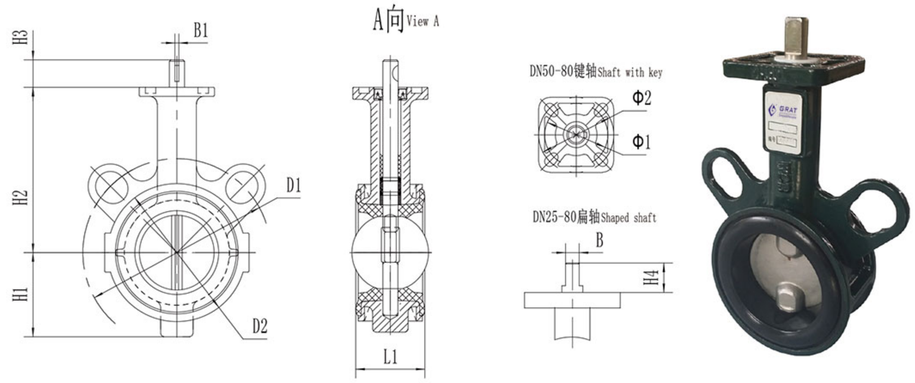
362D 产品特点

- 阀体结构精巧，承压能力高，可达到PN25Kg。
- 该系列阀门是IA360D系列阀门的改型，具有360D阀门的特点。

Character of 362 D series butterfly valve

- The body is compact with high–pressure capability, the pressure can reach PN25Kg
  The series valve is modification of IA360D, it has the same characteristics of 360D valve.

362 D系列蝶阀外形尺寸图
Figure of 362 D series butterfly valves



362D 通用手柄蝶阀外形尺寸
Main dimensions of 362 D series Butterfly

规格Specification(DN) (mm)	(inch)	H1	H2	H3	D1	D2	L1	Φ1	N–Φ2
25/32	1〃	41	92	18	PN1.0MPa /PN1.6MPa/GL150/ JIS10K	70	32.7	36/42	4–ϕ6
40	1.5〃	45	98	18		80	32.7	36/42	4–ϕ6
50	2〃	53	110	22.5		88	42.6	50	4–ϕ7
65	2.5〃	65	120	22.5		106	45.6	50	4–ϕ7
80	3〃	75	131	22.5		120	45.6	50	4–ϕ7



370D系列蝶阀产品特点
370D full fluorine anti-corrosion butterfly valve

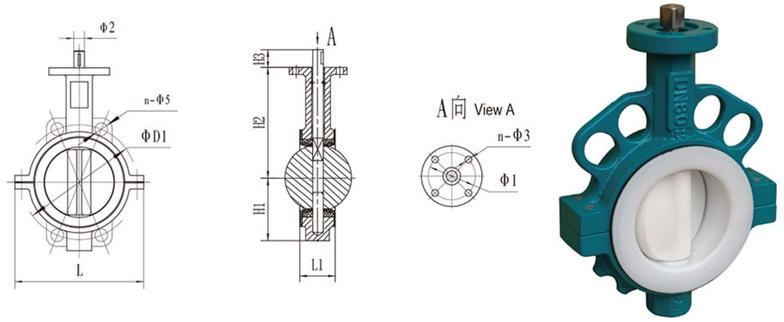
370D 产品特点

- 全衬氟中线蝶阀是一种不会给介质造成二次污染的清洁度很高的高性能阀门，抗腐蚀、耐磨损、无污染、防静电。
- 蝶板与阀座两端阀轴密封采用：O型圈+弹性隔离衬套+蝶形弹簧结构，确保阀座内不进介质，同时具有自动补偿功能。
- 阀体采用二半式蝶板与阀轴采用异形孔分体式，阀座采用可更换或调试、维修、更换极为方便。

Character of 370 Dseries butterfly valve

- This series is full linedfluorineand higher cleanlinessand high performancevalves that not secondary pollute of media, it is of corrosion resistance, wear resistance, non–polluting, anti–static.
- The seal of disc and seat is O–ring + spring bush + butterfly spring, this structure ensure that the media not enter inside the seat, and with automatic compensation feature.
- The body can split into two halves, the holes of disc and shaft are shaped, the seat is removable. Commissioning and maintenance and replacement all are very convenient.

370 D系列蝶阀外形尺寸图
Figure of 370 D series butterfly valves



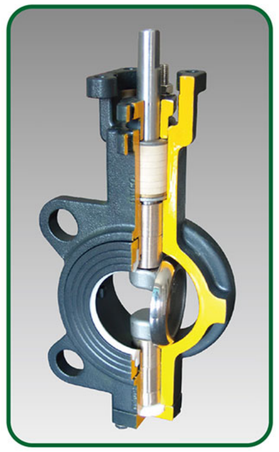
370 D系列蝶阀外形尺寸
Main dimensions of 370 D series Butterfly

DN(mm)	H1	H2	L	L1	H3	D1	N–Φ3	Φ1	Φ2
DN50	74	136	117	43	22.5	PN1.0MPa/PN1.6MPa/GL150/ JIS10K	4–φ7	50	12.7
DN65	82	138	126	46	22.5		4–φ7	50	12.7
DN80	90	138	142	46	22.5		4–φ7	50	12.7
DN100	115.8	158	178	52	30		4–φ10	70	15.8
DN125	132.5	174	202	56	30		4–φ10	70	19
DN150	145.5	190	234	56	30		4–φ10	70	19
DN200	179.5	229	286	60	39		4–φ12	102	22.2



800D变偏心蝶阀
800D Changeable Eccentric Butterfly Valve





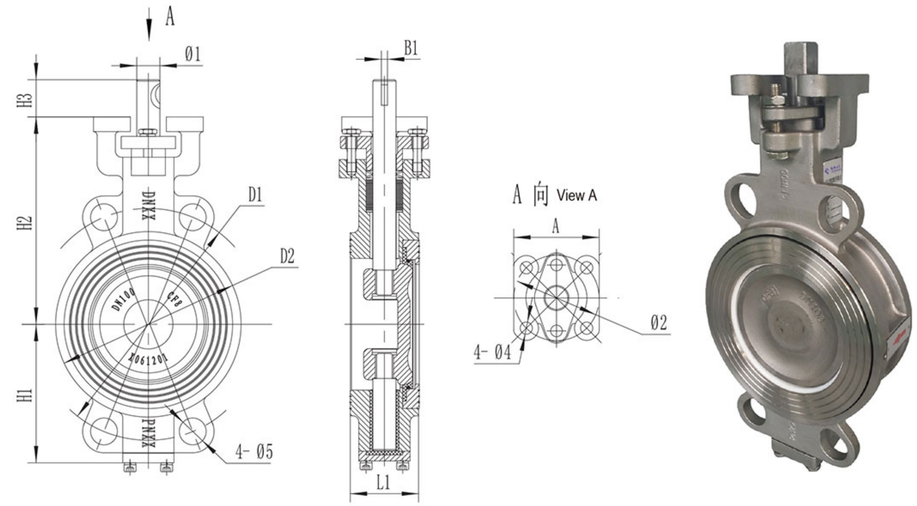
800D 系列蝶阀产品特点

- 蝶板与上下阀轴采用异型孔及异型轴的连接方式，在蝶板的启闭过程中实现了蝶板的上下左右浮动的无销连接的功能，减少了蝶板与阀座间的干涉区，从而大大降低了扭矩。蝶板的浮动结构实现了单偏心的制作工艺，变偏心的使用功能。
- 在阀体内腔设有防蝶板过位挡块，确保蝶板在关闭时不过位。
- 阀体内腔上下阀轴孔与蝶板上下阀轴孔间用衬套进行保护，防止介质内的大颗粒物进入阀轴孔。

Character of 800 Dseries butterfly valve

- The upper and lower valve shaft and the hole of disc all are shaped without pin, achieve the disc floating around in the opening and closing process, reduce the interference zone between the disc and seat, greatly reduce the torque. The floating structure of disc led to a single eccentric production process and changeable eccentric use.
- In thebody cavity, there is a position stopper, ensurethe disc not exceeds the set position in the closed process.
- There is a bush in the upper and lower holes of the body and disc, the bushes can protect against larger particles of medium into.

800D 系列蝶阀外形尺寸图
Figure of 800 D series butterfly valves



800D 系列蝶阀外形尺寸
Main dimensions of 800 D series Butterfly

规格Specific-ation（DN） mm	inch	H1	H2	H3	D1	D2	ϕ1	ϕ2	A	ϕ4	ϕ5	L1	B1
50	2 "	78	130	30	125	100	12	50	50	7	18	43	3
65	2.5 "	86	143	30	145	116	16	70	70	10	18	46	4
80	3 "	99	155	30	160	129	16	70	70	10	18	49	4
100	4 "	116	170	30	180 190	152	18	70	70	10	18 22	56	5
125	5 "	132	190	30	210 220	180	22	102	95	12	18 26	64	5
150	6 "	146	210	30	240 250	206	22	102	95	12	22 26	70	5
200	8 "	172	243	39	295 310	258	28	102	95	12	22 26	71	6
250	10 "	204	282	39	355 370	308	32	125	120	14	26 30	76	8
300	12 "	241	310	39	410 430	360	36	125	120	14	26 30	83	10

注：表中数值分别表示PN1.6MPa/PN2.5MPa。
Note:In the table,the values show as PN1.6Mpa/PN2.5Mpa



810D(对夹硬密封偏心蝶阀)/820D(法兰硬密封偏心蝶阀)

810 D wafer metal seal series / 820 D flange metal seal butterfly valve

810 D对夹硬密封蝶阀/820 D法兰硬密封蝶阀产品特点

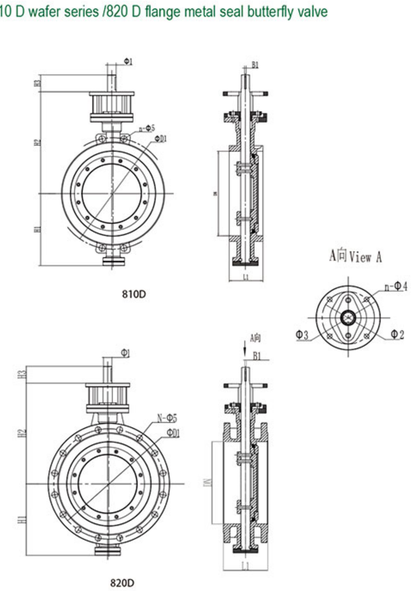
- 三偏心对夹/法兰硬密封蝶阀，采用三维偏心原理设计，符合机械部JB/T8527-97 及阀门其它相关国家标准的规定。
- 阀门的密封材料采用不锈钢或不锈钢复合层，耐腐蚀性能好， 耐低、高温性能好（-40℃-600℃），耐磨性能好，密封性能可靠，可达到零泄露，特殊工矿可满足双向密封的功能。
- 结构简单，操作灵活方便，应用范围广，可用于水、蒸汽、油品、空气、煤气等介质，流量特性好，可作调节阀用。
- 法兰硬密封蝶阀属于管网式蝶阀,阀体强度比810对夹硬密封蝶阀高,安全系数大,抗管线应力能力强,适合与一些大型管道和重要工矿使用.

Character of 810 Dwafermetal sealseries /820 D flange metal seal butterfly valve

- Three eccentric Wafer / flange metal seal butterfly valve which design by three-dimensional eccentric principles according to JB / T8527-97 and other relevant national standards.
- The sealing material of the valve is stainless steel or stainless steelcomposite layer, the sealing surface is resistant to corrosion,resistantto low or high temperature resistance(-40 ℃ -600 ℃), resistant to wear and reliable sealing performance, it can achieve zero leakage and double direction sealing function.
- The valve is of simple structure, easy operation, wide range of applicationsand good flow characteristics, it can be used for water, steam, oil, air, gas and other media, it can be used as regulating valve.
- The flange metal seal butterfly valve belong to the pipe-net butterfly, the strength of body is higher than wafer butterfly valve, the valves are of high safety factor and anti-stress capacity, apply to large and important mining pipeline.

810 D对夹硬密封/820 D 法兰硬密封蝶阀外形尺寸图

Figure of 810 D wafer series /820 D flange metal seal butterfly valve





810D系列蝶阀外形尺寸

Figure of 810 D wafer series butterfly valve

规格 Specification(DN) (mm)	(inch)	H1	H2	H3	D1	φ1	φ2	n–φ4	n–φ5	L1	总重 Goss weight (Kg)
50	2 "	112	187	40	125	14	70	4–10	4–φ18	43	8
65	2.5 "	115	192	40	145	14	70	4–10	4–φ18	46	9
80	3 "	120	192	40	160	16	80	4–10	4–φ18	49	11
100	4 "	138	217	40	180	20	80	4–10	4–φ20	56	13
125	5 "	164	240	50	210	22	95	4–14	4–φ22	64	22
150	6 "	175	260	50	240	24	95	4–14	4–φ22	70	24
200	8 "	215	310	60	295	28	135	4–16	4–φ22	71	38
250	10 "	243	335	60	350 355	32	135	4–16	4–φ26	76	61
300	12 "	285	400	65	400 410	36	160	4–16	4–φ26	83	78
350	14 "	320	440	80	460 470	40	170	4–16	4–23 4–28	92	107
400	16 "	350	480	80	515 525	40	170	4–φ16	44–26 4–30	102	120
450	18 "	350	505	80	565 585	45	200	4–φ18	44–26 4–30	114	172
500	20 "	380	545	80	620	50	200	4–φ18	4–26	127	237

820D系列蝶阀外形尺寸

Figure of 820 D butterfly valve

规格 Specification(DN) (mm)	(inch)	H1	H2	H3	D1	φ1	φ2	n–φ4	n–φ5	L1	总重 Goss weight (Kg)
50	2 "	112	187	40	125	14	70	4–10	2–φ18	108	14
65	2.5 "	115	192	40	145	14	70	4–10	2–φ18	112	16
80	3 "	120	192	40	160	16	80	4–10	2–φ18	114	17
100	4 "	138	217	40	180	20	80	4–10	2–φ20	127	21
125	5 "	164	240	50	210	22	95	4–14	2–φ22	140	34
150	6 "	175	260	50	240	24	95	4–14	2–φ22	140	40
200	8 "	215	310	60	295	28	135	4–16	2–φ22	152	52
250	10 "	243	335	60	350 355	32	135	4–16	2–φ26	165	85
300	12 "	285	400	65	400 410	36	160	4–16	2–φ26	178	112
350	14 "	320	440	80	460 470	40	170	4–16	16–23 16–28	190	166
400	16 "	350	480	80	515 525	40	170	4–φ16	16–26 16–30	216	260
450	18 "	350	505	80	565 585	45	200	4–φ18	20–26 20–30	222	318
500	20 "	380	545	80	620	50	200	4–φ18	20–26	229	335

阀门常用上法兰标准、蝶阀扭距值

the flange standard common used in valve commonlyButterfly Valve's torque value

常用规格中线蝶阀出厂启闭扭矩（N.m）

Opening and closing torque values of centerline butterfly valve (Nm)

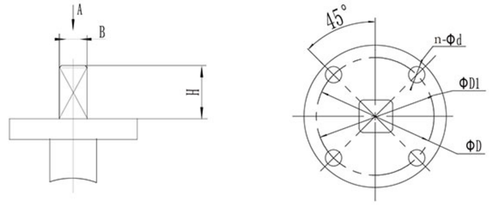
规格DN / 密封副	25 /32	40	50	65	80	100	125	150	200	250	300
尼龙/EPDM	6	8	11	14	20	30	54	70	120	220	380
尼龙/EPDM	8	10	14	18	22	35	70	80	150	280	420
球铁电镀/EPDM	6	8	12	16	21	35	70	80	150	280	400
球铁电镀/EPDM	8	10	14	20	26	40	85	90	180	320	460

表中所列扭矩值是以常温水为介质测定的数值，不含安全系数。

The torque values listed in the table are measured of room temperature water as the medium, excluding safety factor.

无驱动装置阀门常用ISO5211标准连接尺寸

The ISO5211 connection measurement standard usually used in no driving device valve



公司常用连接尺寸

The frequently used connection measurement in company

ISO5211标准尺寸

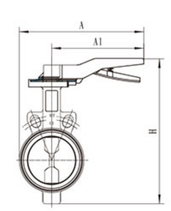
The ISO5211 standard measurement

规格	上法兰标准号	出轴尺寸B(正方)	出轴高度H	D	D1	N–Φd	螺栓直径
DN25	F03–F04	11*11/9*9	12/10	Φ46/Φ54	Φ36/Φ46	4–Φ7	M6
DN32	F03–F04	11*11/9*9	12/10	Φ46/Φ54	Φ36/Φ46	4–Φ7	M6
DN40	F03–F04	11*11/9*9	12/10	Φ46/Φ54	Φ36/Φ46	4–Φ7	M6
DN50	F05	11*11	12	Φ65	Φ50	4–Φ7	M6
DN65	F05	14*14	15	Φ65	Φ50	4–Φ7	M6
DN80	F05	14*14	15	Φ65	Φ50	4–Φ7	M6
DN100	F07	17*17	19	Φ90	Φ70	4–Φ10	M8
DN125	F07	17*17	19	Φ90	Φ70	4–Φ10	M8
DN150	F07	17*17	19	Φ90	Φ70	4–Φ10	M8
DN200	F10	22*22	25	Φ125	Φ102	4–Φ12	M10
DN250	F10	22*22/27*27	25/30	Φ125	Φ102	4–Φ12	M10
DN300	F12	22*22/27*27	30	Φ150	Φ125	4–Φ14	M12
DN350	F12	27*27	30	Φ150	Φ125	4–Φ14	M12
DN400	F14	36*36	40	Φ175	Φ140	4–Φ18	M16
DN450	F14	36*36	40	Φ175	Φ140	4–Φ18	M16
DN500	F16	36*36	40	Φ210	Φ165	4–Φ22	M20
DN600	F16	36*36	40	Φ210	Φ165	4–Φ22	M20

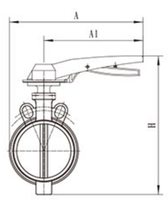
注：以上为公司标准配置，可以按照不同要求另行定做。

手动蝶阀外形参数
Shape parameters of manual butterfly

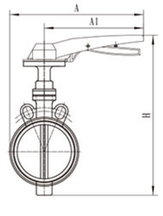
手柄与阀体连接外形尺寸
Connection dimensions of handle and body



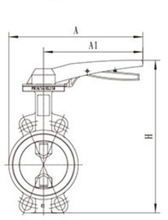
100D



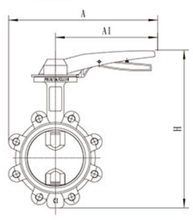
1A360D



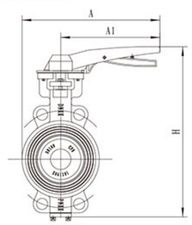
111A360D



194D/197D/290D/300D



101D



800D



S系列(塑料手柄) S Series (plastic handle)


D系列(带锁铝手柄)D Series (Aluminum alloy handle with lock)



L系列(铝手柄) L series (Aluminum alloy handle)

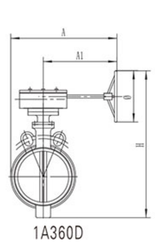


G系列(冲压手柄) G Series (stamping handle)

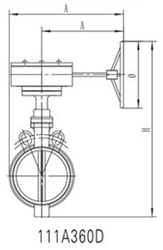
蝶阀规格 Butterfly Valve Specification	A		A1	H	总重量Gross Weight(Kg)		手柄材质 The Material of Handle
	A型Type	LT型Type			A型Type	LT型Type	
DN50	216	248	170	260	2.4	3.17	铝合金Aluminium Alloy 塑料Plastics 钢板 Steel Plate 玛钢 Malleable Cast Iron
DN 65	223	258	170	280	2.67	4.00	
DN 80	231	265	170	304	2.87	4.97/5.67	
DN100	335	367	200	340	5.00	7.50	
DN125	349	386	260	375	7.3	11.5	
DN150	362	401	260	407	8.8	12.5	

手动蝶阀外形参数
Shape parameters of manual butterfly

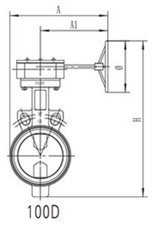
蜗轮与阀体连接外形尺寸
Connection dimensions of wormdriveand body



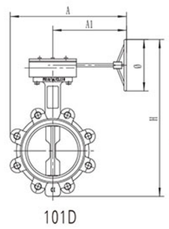
1A360D



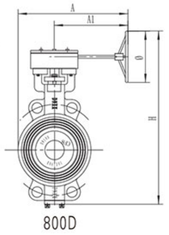
111A360D



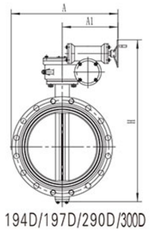
100D



101D



800D

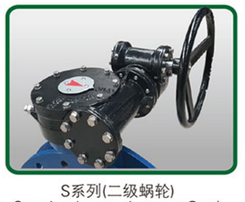


194D/197D/290D/300D


Z系列(铸铁蜗轮)
Z series (Cast iron worm drive)


G系列(铸钢蜗轮)
G Series (Cast steel worm drive)

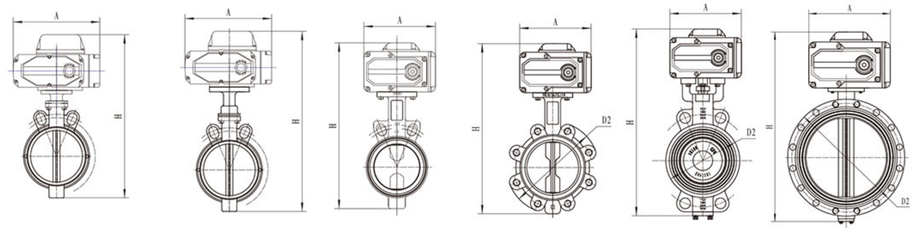

L系列(铝合金蜗轮)
L series (Aluminum alloy worm drive)


S系列(二级蜗轮)
S series (second-stage Gea)

蝶阀规格 Butterfly Valve Specification	A		A1			H	Φ			总重量Gross Weight(Kg)		备注 Remark
	A型TypeA	LT型TypeLT	铸钢 Cast steep	铸铁 Cast iron	铝合金 Aluminum alloy		铸钢 Cast steep	铸铁 Cast iron	铝合金 Aluminum alloy	A型TypeA	LT型TypeLT	
DN50	174	206				306				6.3	7.1	First-stage Gear 单级蜗轮
DN 65	181	216				325	120		125	6.6	7.9	
DN 80	189	223				350				6.8	8.9/9.6	
DN100	203	235	118	128	120	380		145		8.7	11.2	
DN125	217	254				416	160		170	11	15.2	
DN150	230	269				448				12.5	16.2	
DN200	354	393	170	224	176	590	220	280	285	23.8	27/29.1	
DN250	381	427				664				29.6	36	
DN300	403	448	190	218	202	744	280	310	285	43	48.3	
DN350	429	480				805				55	70	
DN400	538	594		301		935		400		89.5	124.5	
DN450	564	624				1004				107.5	150.5	
DN500	577			278		1054				300	211	second-stage Gear 二级蜗轮
DN 600	754			304		1189				300	278	
DN 700	832			327		1242				400	399	
DN800	890			327		1367				400	524	
DN900	965			411		1493				300	722	
DN1000	1030			411		1636				300	1095	
DN1200	1436			455		2108				435	2107	

电动蝶阀外形参数
Shape parameters of electric butterfly valve

(DN50–DN400)电动蝶阀外形连接尺寸
Connection dimensions of DN50-400 electric butterfly valve



1A360D　111A360D　100D　101D　800D　194D/197D/290D/300D

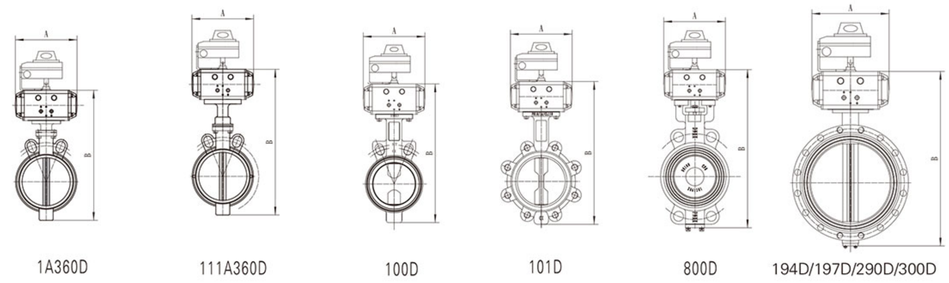
规格Specification		A				H			
		100D	194D/197D/290D/300D	360D	800D	100D	194D/197D/290D/300D	360D	800D
DN50	2〃	157.5	157.5	157.5	157.5	288	303	266	311
DN65	2.5〃	157.5	157.5	157.5	157.5	311	322	288	332
DN80	3〃	157.5	157.5	157.5	207	333	347	310	384
DN100	4〃	207	207	207	207	393	403	380	416
DN125	5〃	207	207	207	256	432	440	413	463
DN150	6〃	207	207	207	256	463	472	443	497
DN200	8〃	256	256	256	380	541	551	534	585
DN250	10〃	256	256	256	380	611	625	607	656
DN300	12〃	380	380	380	380	707	719	711	721
DN350	14〃	380	380	380	380	——	752	——	——
DN400	16〃	380	380	380	380	——	840	——	——

电动装置主要技术参数
Main technical parameters of electric devices

蝶阀规格 Size of Butterfly Valve	DN50～80	DN100～150	DN200	DN250	DN300	DN350	DN400
动作时间 Actuation time	15S	30S	30S	30S	30S	30S	60S
动作范围 Actuation range	0～90°	0～90°	0～90°	0～90°	0～90°	0～90°	0～90°
额定电流 Rated current 额定电压 voltage	0.75A/110V 0.4A/220V	0.6A/110V 0.3A/220V	1A/110V 0.45A/220V	2A/110V 0.9A/220V	2A/110V 0.9A/220V	3.5A/110V 1.7A/220V	3.5A/110V 1.7A/220V
电机保护 Motor protection	内藏式过热保护Recessed overheating protection						
耐压强度 Compression strength	150VAC 1分钟　150VAC one minitue						
手动操作 Handle operate	附曲柄式手柄Attach to the crank type handle						
防护等级 Protection Class	IP68						
配线接口 Wiring interface	PF1/2X1						
限位元件 Limit components	机械式Mechanical type、限位开关式挡块Limit switches type block pieces						
环境温度 Ambient temperature	–30℃～+60℃						

气动蝶阀外形参数
Shape parameters of pneumaticbutterfly valve

DN50–400 气动蝶阀外形连接尺寸
Connection dimensions of DN50-400 pneumatic butterfly valve



1A360D　111A360D　100D　101D　800D　194D/197D/290D/300D

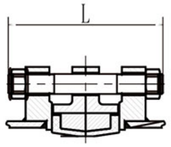
规格Specification		A				B			
		100D	194D/197D/290D/300D		800D	100D	194D/197D/290D/300D	360D	800D
DN50	2〃	141	141	141	141	254	269	232	277
DN65	2.5〃	159	159	159	159	293	304	270	314
DN80	3〃	159	159	159	211	315	329	291	386
DN100	4〃	211	211	211	248	366	376	351	401
DN125	5〃	248	248	248	269	418	425	398	441
DN150	6〃	269	269	269	315	461	469	439	501
DN200	8〃	315	315	315	409	545	555	538	592
DN250	10〃	409	409	409	438	647	661	643	682
DN300	12〃	438	438	438	487	733	745	737	800
DN350	14〃	——	487	——	——	——	831	——	——
DN400	16〃	——	621	——	——	——	973	——	——

注：整体结构为可变值，可根据用户要求而定。
Note:The whole structure is variable value which can be decided according to the customer’s requirement.

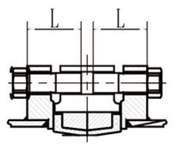
执行器操作要求
Actuator operating requirements

操作介质 Operating medium	干燥或湿润的空气或惰性气体/只要和执行机构内部零件和润滑剂兼容的非腐蚀性气体。 Wet/dry air or inert gases/The non corrosive gas compatible with the internal components of the actuator and the lubricant.
气源压力 Air source pressure	最大气源压力为8巴（116磅），最小气源压力为2.5巴（36磅）。一般要求为5巴。 The largest air source is 8 Bar(116 pound),the smallest air source is 2,5 Bar(36 pound),the common request is 5 Bar
操作温度 Operating temperature	标准执行器的操作温度范围是–20℃（–40℉）至+80℃（+176℉）。高温和低温将改变执行机构的输出扭矩。 The operating temperature of the standard actuator ranges from –20°（–40° F）to +80°(+176° F).The high temperature and low temperature will change the actuator’s output torque.
行程说明 Stroke Instruction	90° 旋转并且在0° 和90° 两位置上有±4° 的调节范围。 90° rotation and has a ±4° adjustable range at the position of 0° and 90° .
气源接口 Air source connection	符合VDI/VDE3845NAMUR规范可简单而方便的安装电磁阀，直接安装省去了配管和接头。 According to VDI/VDE 2845VAMUR standard, the electromagnetic valve can be assembled simply and conveniently. There is no need to install the piping and fittings to it.

对夹中线蝶阀法兰连接螺栓尺寸
Bolts of flange for wafer butterfly valve



A型蝶阀螺栓连接图
A Type butterfly bolt connection diagram



L型蝶阀螺栓连接图
LT type butterfly valve bolts connection diagram

规格 Specifications (DN)		1.0Mpa 双头螺柱（适用“A”型蝶阀） Stud Bolt (for type A valve)			1.0Mpa 六角螺栓（适用“LT”型蝶阀） Hexagon Head Bolt (for type LT valve)		1.6Mpa 双头螺柱（适用“A”型蝶阀） Stud Bolt (for type A valve)			1.6Mpa 六角螺栓（适用“LT”型蝶阀） Hexagon Head Bolt (for type LT valve)	
(mm)	(inch)	数量 Qty	直径 Dia	总长L Length	数量 Qty	直径*L Dia *L	数量 Qty	直径 Dia	总长L Length	数量 Qty	直径*L Dia *L
50	2″	4	M16	130	4*2	M16*40	4	M16	130	4*2	M16*40
65	2.5″	4	M16	140	4*2	M16*45	4	M16	140	4*2	M16*45
80	3″	8	M16	140	8*2	M16*45	8	M16	140	8*2	M16*45
100	4″	8	M16	150	8*2	M16*50	8	M16	150	8*2	M16*50
125	5″	8	M16	150	8*2	M16*50	8	M16	150	8*2	M16*50
150	6″	8	M20	165	8*2	M20*50	8	M20	165	8*2	M20*50
200	8″	8	M20	175	8*2	M20*55	12	M20	175	12*2	M20*55
250	10″	12	M20	185	12*2	M20*60	12	M24	185	12*2	M24*60
300	12″	12	M20	195	12*2	M20*65	12	M24	200	12*2	M24*65
350	14″	16	M20	195	16*2	M20*65	16	M24	200	16*2	M24*65
400	16″	16	M24	220	16*2	M24*75	16	M27	230	16*2	M27*75
450	18″	20	M24	250	20*2	M24*80	20	M27	254	20*2	M27*80
500	20″	20	M24	290	20*2	M24*90	20	M30	294	20*2	M30*90
600	24″	20	M24	324	20*2	M27*100	20	M33	334	20*2	M33*100
700	28″	24	M27	334	–	–	20	M33	341	4*2	M33*90
800	32″	24	M30	364	–	–	24	M36	375	–	–
900	36″	24	M30	388	4*2	M30*100	–	–	–	–	–
1000	40″	24	M33	411	4*2	M33*100	–	–	–	–	–

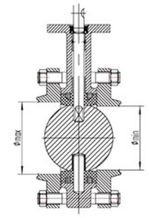
注：1. 双头螺柱采用标准为GB/T 898–1988
2. 六角螺栓采用标准为GB/T 5780–2000
3. 900(36 ")、1000（40 " ）PN1.0Mpa及700（28 " ）PN1.6Mpa “A”型阀体二脖颈处采用六角螺栓连接，数量分别为4*2，列于六角螺栓栏中。

Note:1.Double end studs is according to standard GB/T 898–1988
2.Hex bolts is according to standard GB/T 5780–2000
3.The bolts of 900 (36 "), 1000 (40") PN1.0Mpa and 700 (28 ") PN1.6Mpa" A "type valve body are 4 * 2hexagon bolts, number as shown.

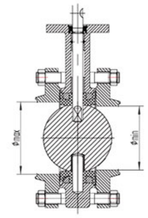
中线蝶阀连接法兰要求及安装方法
Requirements and installation methods of connection flange for centerlinebutterfly valve

法兰内径要求
ID requirements of flange

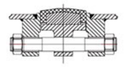
公称通径 Nominal Diameter（mm）	（inch）	Φ max 194D/197D 290D	Φ max 300D/320D 360D/362D	Φ min
50	2″	64	75	47
65	2.5″	76	88	52
80	3″	91	102	70
100	4″	119	130	96
125	5″	140	155	117
150	6″	171	181.5	151
200	8″	220	234	199
250	10″	271	287	247
300	12″	322	341	297
350	14″	354	372	330
400	16″	413	425	385
450	18″	464	477	433
500	20″	513	531	479
600	24"	622	578	
700	28"	718	681	
800	32"	821	778	
900	36"	904	846	
1000	40"	1007	946	
1200	48"	1220	1132	



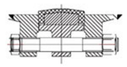
194D/197D/290



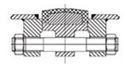
100D/300D/320D/360D/362D



承插式法兰盘 Socket flange



对焊式法兰盘 Welded flange



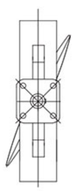
平焊式法兰盘 Flat welding flange

法兰连接要求
Requirements of connection flange

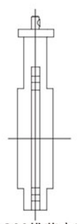
194D/197D、290D适合安装承插式、对焊式法兰，100D300D/320D/360D/362D适合安装承插式、对焊式、平焊式法兰。大部分中线蝶阀在设计上没有,考虑在平焊式法兰上使用，如果安装在平焊式法兰上将会存在连接问题，如果安装不当，阀门将会产生泄漏。

194D / 197D, 290D is suitable for socket type, and welded flanges, 100D/300D / 320D / 360D / 362D for socket type, welded type, flat welding flange. The flat welding flanges do not apply to most centerline butterfly valves, if installed improperly, the valve will leak.

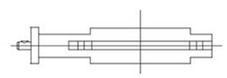
蝶阀安装方法
Butterfly Installation



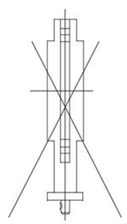
DN50-300推荐安装位置
DN50-300 recommended installation location
DN350-2000最佳安装位置
DN350-2000 the best installation location



DN50-300推荐安装位置
DN50-300 recommended installation location
DN350-2000不推荐安装位置
DN350-2000 not recommend the installation location



DN50-2000推荐安装位置
DN50-2000 recommended installation location



不允许安装位置
Do not allow the installation location

阀门计量单位换算、对照及密封副推荐表

Valve Common measurement unit conversion

阀门常用计量单位换算

Valve Common measurement unit conversion

量的名称	单位制	单位名称	单位符号	换算关系
力矩	公制	牛（顿）米	N.m	基本单位
力	公制	克力	gf	9.80665x10⁻³N
	公制	千克（公斤）力	kgf	9.80665N
	公制	牛【顿】	N	基本单位
	英制	磅力	lbf	4.448222N 0.4536kgf

量的名称	单位制	单位名称	单位符号	换算关系
压力	公制	帕【斯卡】	Pa	1Pa=1N/m²
	公制	兆帕【斯卡】	Mpa	1MPa=1N/mm²
	公制	巴	bar	1bar=10⁵Pa
	公制	标准大气压	atm	1atm=101325Pa
	英制		psi	1Psi=1b/in² 1Psi=6.895KPa 1Psi=0.006895MPa

日本“K”级与Class对照表 Japanese "K" lever and Class comparison table

CL	150	300	600	K级	10	20	40

磅给与公称压力对照表（参考）Pounds and nominal pressure comparison table (Reference)

磅级（CL）	150	300	400	600	800	900	1500	2500
公称压力PN/MPa	2.0	5	6.8	11	13.0	15	26.0	42

阀门规格公制与项制对照表 Valve specification metric system and British system comparison table

mn	15	20	25	32	40	50	65	80
Inch	1/2"	3/4"	1"	11/4"	11/2"	2"	21/2"	3"
mm	100	125	150	200	250	300	350	400
Inch	4"	5"	6"	8"	10"	12"	14"	16"
mm	450	500	600	700	800	900	1000	1200
Inch	18"	20"	24"	28"	32"	36"	40"	48"

密封副适用介质、温度推荐表 Seal suitable medium\ Temperature recommendation table

	密封副材质	适用温度/℃	介质类型及适用程度 淡水	海水	盐类	强碱	弱碱	强酸	弱酸	天燃气	醇类	空气	蒸汽	油类	食品	突出特性
阀座	丁晴	-30~93	A	A	A	C	A	D	B	A	C	A	D	A	B	耐油
阀座	耐寒丁晴	-40~93	A	A	A	C	A	D	B	A	C	A	D	A	B	耐寒、耐油
阀座	氢化丁晴	-40~150	A	A	A	C	A	D	B	A	C	A	A	A	B	耐高温、耐油
阀座	三元乙丙	-50~120	A	A	A	C	A	D	A	B	B	A	A	D	A	耐老化
阀座	耐热乙丙	-50~135	A	A	A	C	A	D	A	B	B	A	A	D	A	耐热、耐老化
阀座	耐腐蚀三元乙丙	-30~150	A	A	A	A	A	A	A	B	B	A	A	D	A	耐腐蚀、耐老化
阀座	耐磨乙丙	-50~120	A	A	A	C	A	D	A	B	B	A	A	D	A	耐磨
阀座	氟橡胶	-23~204	A	A	A	A	A	C	A	A	C	A	A	A	A	耐高温、耐油
阀座	硅橡胶	-60~200	A	A	A	A	A	C	A	A	A	A	A	A	A	卫生级
阀座	氯丁橡胶	-40~82	A	A	A	C	A	C	A	A	B	A	A	A	A	耐燃性
阀座	聚四氟乙烯	-268~232	A	A	A	A	A	A	A	A	A	A	A	A	A	耐强腐蚀
蝶板	球铁电镀	-30~350	A	D	C	D	C	D	C	B	A	A	A	A	D	价格低
蝶板	球铁尼龙覆层	-30~90	A	A	A	A	A	D	A	A	A	A	D	A	A	耐海水、耐强碱
蝶板	球铁四氟覆层	-30~200	A	A	A	A	A	A	A	A	A	A	A	A	A	耐强腐蚀
蝶板	球铁哈拉覆层	-30~150	A	A	A	A	A	A	A	A	A	A	A	A	A	耐强腐蚀
蝶板	铝青铜	-273~232	A	A	C	D	C	D	B	A	A	A	A	A	A	耐海水腐蚀
蝶板	不锈钢304	-268~316	A	C	C	C	A	C	A	A	A	A	A	A	A	耐高温、耐腐蚀
蝶板	不锈钢316	-268~316	A	C	C	C	A	C	A	A	A	A	A	A	A	耐高温、耐腐蚀
蝶板	不锈钢316L	-268~316	A	B	C	C	A	C	A	A	A	A	A	A	A	耐高温、耐腐蚀
蝶板	双相不锈钢	-268~316	A	A	A	A	A	C	A	A	A	A	A	A	A	耐高温、耐腐蚀

A非常适用　B适用　C有限适用　D不适用

中线蝶阀系列CV值

CV values of centerlinebutterfly valve

规格 Specifications (DN)		阀门开启角度流量Cv值 CV value of valve open angles is							90°开启时Cv值 Cv values as 90° opening	
(mm)	(inch)	10°	20°	30°	40°	50°	60°	70°	80°	90°
50	2"	0.1	5	12	24	45	64	90	125	135
65	2.5"	0.2	8	20	37	65	98	144	204	220
80	3"	0.3	12	22	39	70	116	183	275	302
100	4"	0.5	17	36	78	139	230	364	546	600
125	5"	0.8	29	61	133	237	392	620	930	1022
150	6"	2	45	95	205	366	605	958	1437	1579
200	8"	3	89	188	408	727	1202	1903	2854	3136
250	10"	4	151	320	694	1237	2047	3240	4859	5340
300	12"	5	234	495	1072	1911	3162	5005	7507	8250
350	14"	6	338	715	1549	2761	4568	7230	10844	11917
400	16"	8	464	983	2130	3797	6282	9942	14913	16388
450	18"	11	615	1302	2822	5028	8320	13168	19752	21705
500	20"	14	791	1674	3628	6465	10698	16931	25396	27908
600	24"	22	1222	2587	5605	9989	16528	26157	39236	43116
700	28"	36	1813	3639	6636	10000	14949	22769	34898	49500
800	32"	45	2387	4791	8736	13788	20613	31395	48117	68250
900	36"	60	3021	6063	11055	17449	26086	39731	60895	86375
1000	40"	84	4183	8395	15307	24159	36166	55084	84425	119750
1200	48"	106	5370	10741	19641	30690	46065	70587	107568	153450

注：当阀门用做两位（开、关）使用时其额定流量系数按90° 开启时的CV值选取；当阀门用做调节使用时其额定流量系数按70° 开启时CV值选取。推荐控制角度为25° ~70° ，最佳控制角度为60° ~65° 。

Note: When the valve is used as open/close type, the rated flow coefficient is selected according to CV value as 90° opening; When the valve is used as adjustment type, the rated flow coefficient is selected according to CV value as 70° opening. Recommended control angle is 25 ° ~ 70 ° , optimal control angle is 60 ° ~ 65 ° .

流阻系数与Cv值的换算关系

The Conversion Relation with Flux Encumbrance Modulus and CV Values

$$Cv = 29.9\frac{d^2}{\sqrt{\xi}}$$

d :阀门内径或阀座口径(英寸)

d :inside diameter or valve seat caliber(inch)

ξ :流阻系数(无量纲)

ξ :flux encumbrance modulus(variab