



SGARIA.

Trustable for life



Butterfly Valve



COMPANY PROFILE



The Sgaria

In addition to the best products, we work objectively and efficiently, with integrity and a sense of urgency to generate the best services.

Check out some of the pillars of our company:

Customer Focus: Our customers are the reason for our existence. We are committed to meeting your demands on site and time required;

Safety: We are strict in meeting our standards, valuing the safety of our customers and contributors;

Quality Results: We seek to maximize results by valuing quality in every detail of our operation;

Teamwork: Together we achieve our goals, acting in a shared way will more easily achieve achievements and good results, sharing achievements and results.

Certificates

By bringing together technical force with design and experience, Sgaria has all the documentation necessary to deliver a certified quality product.





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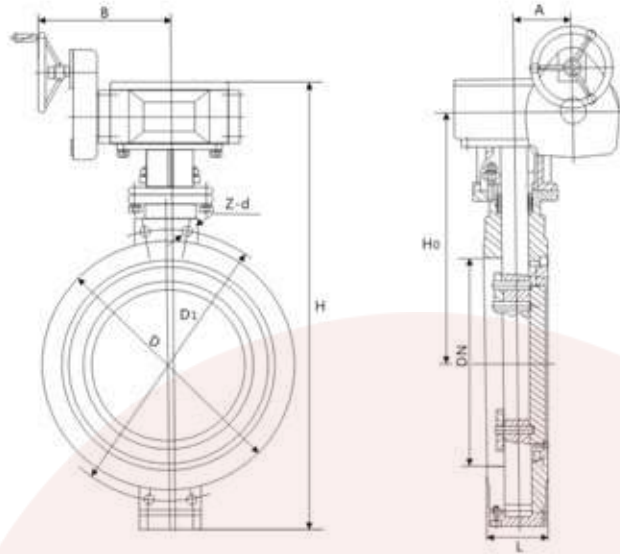
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D373H.Y.F-10~25C.P.R.I



JB/T79.1-1994
JB/T82.1-1994

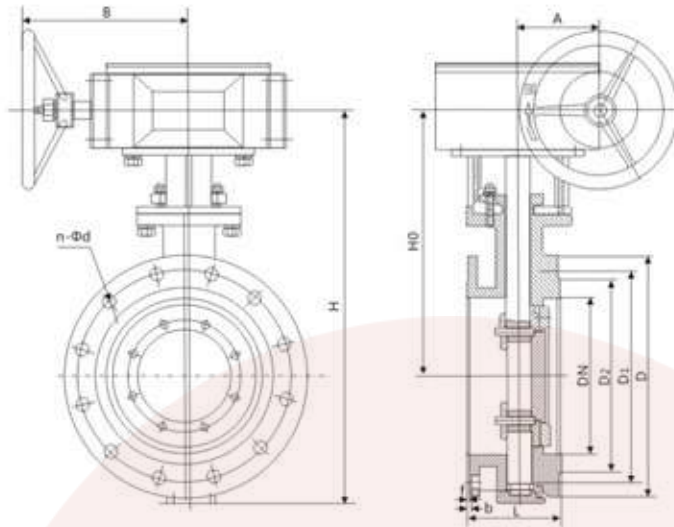
Main connection dimensions

PN	Standard value					Reference value				
	DN	L	D	D ₁	Z-d	H	H ₀	A	B	W(kg)
1.0 MPa	50	43	100	125	4-18	170	130	45	120	6.6
	65	46	120	145	4-18	170	145	45	120	8.2
	80	49	135	160	4-18	230	152	45	120	10.2
	100	56	155	180	4-18	320	192	45	120	13.6
	125	64	185	210	4-18	345	200	45	120	17.3
	150	70	210	240	4-23	385	230	66	150	22.3
	200	71	265	295	4-23	471	297	85	170	43.2
	250	76	320	350	4-23	533	327	85	170	63
	300	83	368	400	4-23	606	364	106	205	104.1
	350	92	428	460	4-23	694	404	106	205	133
1.6 MPa	400	102	482	515	4-25	757	444	130	240	180
	450	114	532	565	4-25	814	472	155	240	236
	500	127	585	620	4-25	902	522	169	306	290
	600	154	685	725	4-30	1048	590	198	324	419
	700	165	704	840	4-30	1277	810	220	335	539
	800	190	901	950	4-33	1385	844	241	356	656
	900	200	1001	1050	4-33	1490	890	241	356	788
	1000	216	1112	1160	4-36	1620	950	241	356	887
	50	43	100	125	4-18	170	130	45	120	6.6
	65	46	120	145	4-18	170	145	45	120	8.2
80	49	135	160	4-18	230	152	45	120	10.2	
100	56	155	180	4-18	320	192	45	120	13.6	
125	64	185	210	4-18	345	200	45	120	17.3	
150	70	210	240	4-23	385	230	66	150	22.3	
200	71	265	295	4-23	471	297	85	170	43.2	
250	76	320	355	4-25	533	327	85	170	63	

PN	Standard value					Reference value				
	DN	L	D	D ₁	Z-d	H	H ₀	A	B	W(kg)
1.6 MPa	300	83	375	410	4-25	606	364	106	205	104.1
	350	92	435	470	4-25	694	404	106	205	133
	400	102	485	525	4-30	757	444	130	240	180
	450	114	545	585	4-30	814	472	155	240	236
	500	127	608	650	4-34	902	522	169	306	290
	600	154	718	770	4-41	1048	590	198	324	419
	700	165	788	840	4-41	1277	810	220	335	539
	800	190	898	950	4-41	1385	844	241	356	656
	900	200	998	1050	4-41	1490	890	241	356	788
	1000	216	1110	1170	4-48	1620	950	241	356	887
2.5 MPa	50	43	100	125	4-18	170	130	45	120	17.5
	65	46	120	145	4-18	170	145	45	120	22.2
	80	49	135	160	4-18	310	233	206	90	30.5
	100	56	160	190	4-23	343	242	206	120	36.6
	125	64	188	220	4-25	385	254	206	120	44.3
	150	70	218	250	4-25	481	320	206	475	46.2
	200	71	278	310	4-25	547	355	442	610	92.3
	250	76	332	370	4-30	621	389	442	610	140.6
	300	83	390	430	4-30	653	423	558	670	166.5
	350	92	448	490	4-34	730	463	558	670	188.3
400	102	505	550	4-34	810	495	491	1120	254	
450	114	555	600	4-34	850	566	687	1120	311	
500	127	610	660	4-41	940	630	687	1120	413	
600	154	718	770	4-41	1150	727	710	1456	518	
700	165	815	875	4-48	1328	823	710	1456	768	
800	190	930	990	4-48	1452	910	710	1456	937	

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

D343H.Y.F-10~16C.P.R.I



Main connection dimensions

JB/T79.1-1994
JB/T82.1-1994

PN	Standard value							Reference value					
	DN	L	D	D1	D2	n-Φd	b	f	H	H0	A	B	W(kg)
1.0 MPa	50	108	160	125	100	4-18	18	3	170	130	45	120	7
	65	112	180	145	120	4-18	20	3	170	145	45	120	9.2
	80	114	195	160	135	4-18	20	3	230	152	45	120	11.6
	100	127	215	180	155	8-18	22	3	320	192	45	120	14
	125	140	245	210	185	8-18	24	3	345	200	45	120	18
	150	140	280	240	210	8-23	24	3	385	230	66	150	23
	200	152	335	295	265	8-23	24	3	471	297	85	170	44
	250	165	390	350	320	12-23	26	3	533	327	85	170	64
	300	178	440	400	368	12-23	28	4	606	364	106	205	105
	350	190	500	460	428	16-23	28	4	694	404	106	205	134
	400	216	565	515	482	16-25	30	4	757	444	130	240	181
	450	222	615	565	532	20-25	30	4	814	472	155	240	237
	500	229	670	620	585	20-25	32	4	902	522	169	306	292
	600	267	780	725	685	20-30	36	5	1048	590	198	324	421
	700	292	895	840	794	24-30	34	5	1277	810	220	335	541
800	318	1015	950	901	24-33	36	5	1385	844	241	356	658	
900	330	1115	1050	1001	28-33	38	5	1490	890	241	356	790	
1000	410	1230	1160	1112	28-36	38	5	1620	950	241	356	890	
1.6 MPa	50	108	160	125	100	4-18	16	3	170	130	45	120	7
	65	112	180	145	120	4-18	18	3	170	145	45	120	9.2
	80	114	195	160	135	8-18	20	3	230	152	45	120	11.6
	100	127	215	180	155	8-18	20	3	320	192	45	120	14
	125	140	245	210	185	8-18	22	3	345	200	45	120	18
	150	140	280	240	210	8-23	24	3	385	230	66	150	23
	200	152	335	295	265	12-23	26	3	471	297	85	170	44
	250	165	405	355	320	12-25	30	3	533	327	85	170	64

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

D343H.Y.F-10~16~40C.P.R.I

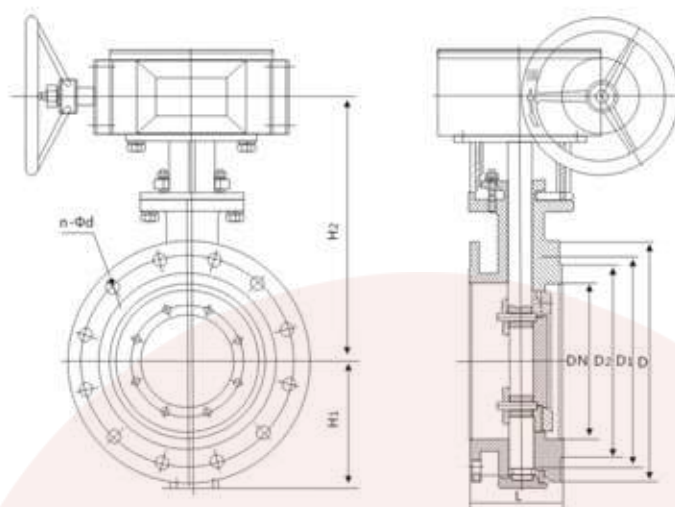
JB/T79.1-1994
JB/T82.1-1994

Main connection dimensions

PN	Standard value							Reference value					
	DN	L	D	D ₁	D ₂	N-Φd	b	f	H	H ₀	A	B	W(kg)
1.6 MPa	300	178	460	410	375	12-25	30	4	694	364	106	205	105
	350	190	520	470	435	16-25	34	4	606	404	106	205	134
	400	216	580	525	485	16-30	36	4	757	444	130	240	181
	450	222	640	585	545	20-30	40	4	814	472	155	240	237
	500	229	705	650	608	20-34	44	4	902	522	169	306	292
	600	267	840	770	718	20-41	48	5	1048	590	198	324	421
	700	292	910	840	788	24-41	50	5	1277	810	220	335	541
	800	318	1020	950	898	24-41	52	5	1385	844	241	356	658
	900	330	1120	1050	998	28-41	54	5	1490	890	241	356	790
	1000	410	1225	1170	1110	28-48	56	5	1620	950	241	356	890
2.5 MPa	50	108	160	125	100	4-18	20	3	170	130	45	120	13
	65	112	180	145	120	8-18	22	3	265	210	35	90	15
	80	114	195	160	135	8-18	22	3	310	233	35	90	19
	100	127	230	190	160	8-23	24	3	343	242	45	120	23
	125	140	270	220	188	8-25	28	3	385	254	45	120	45
	150	140	300	250	218	8-25	30	3	445	580	66	150	66
	200	152	360	310	278	12-25	34	3	510	297	85	170	107
	250	165	425	370	332	12-30	36	3	569	339	85	170	136
	300	178	485	430	390	16-30	40	4	653	375	106	205	185
	350	190	550	490	448	16-34	44	4	730	420	106	205	240
	400	216	610	550	505	16-34	48	4	810	463	130	240	294
	450	222	660	600	555	20-34	50	4	850	495	155	240	423
	500	229	730	660	610	20-41	52	4	940	566	169	306	546
	600	267	840	770	718	20-41	56	5	1150	630	198	324	660
700	292	955	875	815	24-48	60	5	1195	727	220	335	795	
800	318	1070	990	930	20-48	64	5	1268	810	45	356	894	
4.0 MPa	50	108	160	125	100	4-18	20	3	170	130	35	120	13
	65	112	180	145	120	8-18	22	3	265	210	35	90	15
	80	114	195	160	135	8-18	22	3	310	233	35	90	19
	100	127	230	190	160	8-23	24	3	343	242	45	120	25
	125	140	270	220	188	8-25	28	3	385	254	45	120	46
	150	140	300	250	218	8-25	30	3	445	280	66	150	67
	200	152	375	320	282	12-30	38	3	510	297	85	170	109
	250	165	445	385	345	12-34	42	3	569	339	85	170	138
	300	178	510	450	408	16-34	46	4	653	375	106	205	186
	350	190	570	510	465	16-34	52	4	730	420	106	205	241
	400	216	655	585	535	16-41	58	4	810	463	130	240	295
	450	222	680	610	560	20-41	60	4	850	495	155	240	424
	500	229	755	670	612	20-48	62	4	940	566	169	306	547
	600	267	890	795	730	20-54	62	5	1150	630	198	324	662
700	292	995	900	835	24-54	68	5	1195	727	220	335	797	
800	318	1135	1030	960	24-58	76	5	1268	810	241	356	898	

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

D₃⁹43H-⁴⁰/₆₄C、P、R



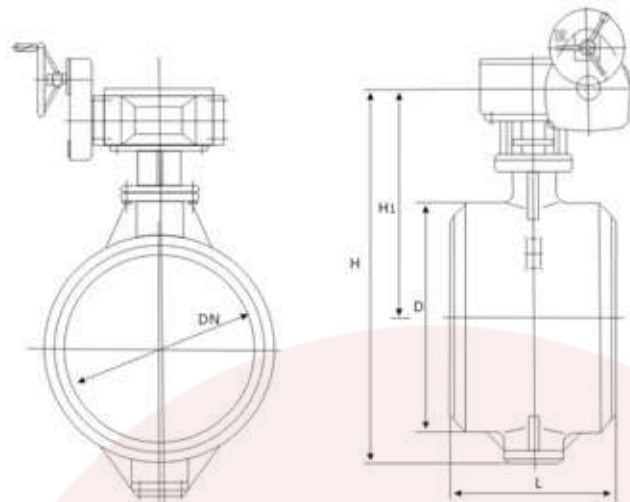
Main connection dimensions

JB/T79.1-1994
JB/T82.1-1994

DN(mm)	Main dimensions			Flange dimensions and bolt specifications							
				4.0MPa				6.4MPa			
	L	H ₁	H	D	D ₁	D ₂	n-Φd	D	D ₁	D ₂	n-Φd
100	190	285	107	230	190	160	8-23	250	200	156	8-26
125	200	300	123	270	220	188	8-25	295	211	184	8-30
150	210	320	140	300	250	218	8-25	345	280	244	8-33
200	230	370	180	375	320	282	12-30	415	345	284	12-36
250	250	420	200	445	385	345	12-34	470	400	345	12-36
300	270	500	250	510	450	408	16-34	530	460	409	16-36
350	290	530	270	570	510	465	16-34	600	525	465	16-39
400	310	570	300	655	585	535	16-41	670	585	535	16-42
450	330	600	320	680	610	560	20-41	685	610	560	20-42
500	350	680	360	755	670	612	20-48	800	705	640	20-54
600	390	750	420	890	795	730	20-54	930	820	750	20-58
700	430	880	480	995	900	835	24-54	/	/	/	/
800	470	1000	600	1135	1030	960	24-58	/	/	/	/

Note: According to ANSI, JIS, DIN standards and production of non-standard size

D363H-10-40C



Main Performance Specifications

PN(MPa)	Strength test(MPa)	Seal test(MPa)	Suitable temperature	Applicable medium
1.0	1.5	1.1	≤425°C	Water, steam, gas, oil, hot air, natural gas and other media
1.6	2.4	1.76		
2.5	3.8	2.75		
4.0	6.0	4.4		

Main parts and materials

Valve body, butterfly plate	Stem	Ring	Packing
Cast steel, cast stainless steel	Stainless steel	Stainless steel + graphite sheet	Flexible Graphite

Main connection dimensions

DN(mm)	L	1.0MPa		1.6MPa		2.5MPa		4.0MPa	
		H1	H	H1	H	H1	H	H1	H
100	190	280	390	280	390	280	390	280	390
125	200	300	420	300	420	300	420	300	420
150	210	320	460	320	460	320	460	320	460
200	230	370	550	370	550	370	550	370	550
250	250	420	620	420	620	420	620	420	620
300	270	500	750	500	750	500	750	500	750
350	290	530	800	530	800	530	800	530	800
400	310	570	870	570	870	570	870	570	870
450	330	600	920	600	920	600	920	600	920
500	350	680	1040	680	1040	680	1040	680	1040
600	390	750	1190	750	1190	750	1190	750	1190
700	430	810	1290	810	1290	810	1290	/	/
800	470	905	1440	905	1440	905	1440	/	/
900	510	960	1550	960	1550	960	1550	/	/
1000	550	1010	1650	1010	1650	1010	1650	/	/
1200	630	1175	1920	1175	1920	1175	1920	/	/
1400	710	1310	2170	1310	2170	/	/	/	/
1600	790	1460	2440	1460	2440	/	/	/	/
1800	870	1560	2650	1560	2650	/	/	/	/
2000	950	1670	2860	1670	2860	/	/	/	/

Uses

The valve system to absorb, digest foreign technology, using three-dimensional eccentric multi-level metal seal structure, applicable to medium temperature = 600 °C metallurgy, electric power, petrochemical, air, gas, combustible gas, and water supply and drainage pipes and other media to make adjustments on flow and The best cut off fluid device.

Feature

The multi-layered three-way valve to seal structure eccentricity metal hard, not only with general multi-level three metal seal eccentric butterfly valve all the excellent performance, reasonable because the design reduces the radial offset value, in the closed state Fa pole moment suffered less in static balance, while the disc sealing ring used with high quality carbon material toughness of stainless steel multi-level structure, not only have soft valve seat just to keep with the most on behalf of the good seal, but also very good automatic compensation function, in particular the large temperature differences of working conditions, it can eliminate the structural deformation of the resulting impact on the sealing performance, but also due to processing and assembly process used to stress ways in which the valve in the anti- When the pressure generated by relative displacement of full compensation, so the valve, whether positive or negative pressure, can achieve the full amount of leakage under pressure to zero.

Standard

Manufacturing Standards	JB/T 8527-97	Flange Standard	GB9113
Structure of the length of the standard	GB 12221-89	Test Standard	GB/T 13927-92

Main Performance Specifications

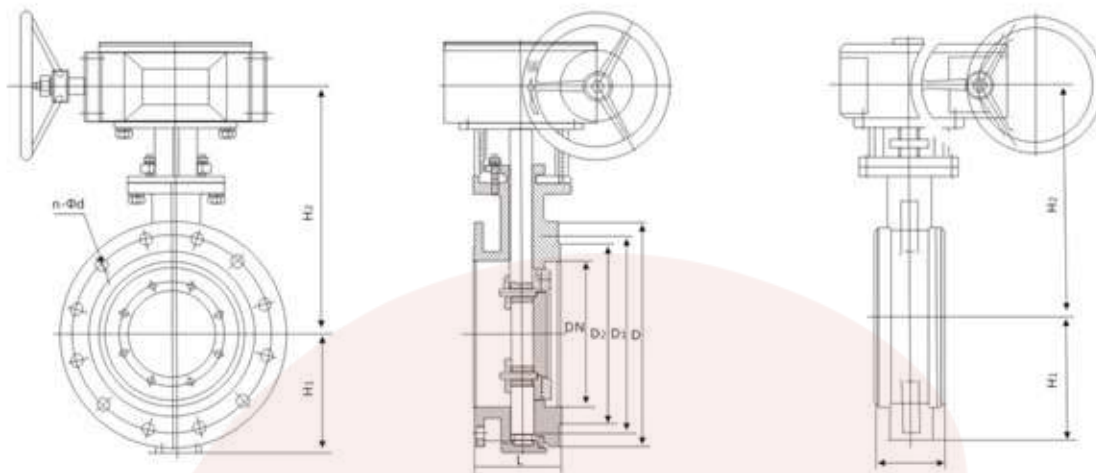
DN	DN(mm)	50-2000				50~500
PN	PN(MPa)	0.6	1.0	1.6	2.5	4.0
Test Pressure	Strength test	0.9	1.5	2.4	3.75	6.0
	Forward seal test	0.66	1.1	1.76	2.75	4.4
	Reverse seal test	0.66	1.1	1.76	2.75	4.4
	Gas seal test	0.6	0.6	0.6	0.6	0.6
Leakage rate	< 0.1×DNmm ³ /s Comply with GB / T 13927-92 standard)					
Suitable temperature	Carbon steel : -29°C ~ 260°C ; chrome molybdenum steel : -40°C ~ 550°C					
Applicable medium	Air, water, steam, gas, oil and acid, alkali, salt with a weak corrosive media, etc.					
Drive Type	Worm worn transmission, electric transmission					

Main components material

Part Name	Materials	Part Name	Materials
Body	Carbon steel, stainless steel, chrome molybdenum steel, alloy steel	Stem	2Cr13, 1Cr13 Stainless steel, chrome molybdenum steel
Disc	Carbon steel, alloy steel, stainless steel, chrome molybdenum steel	Bearing	Austenitic stainless steel, 304 nitride
Sealing ring	Stainless steel and high-temperature graphite sheet to form a multi-level	Packing	Flexible Graphite

D343HS-⁶/₁₀ C、P、R

D373HS-⁶/₁₀ C、P、R



Main connection dimensions

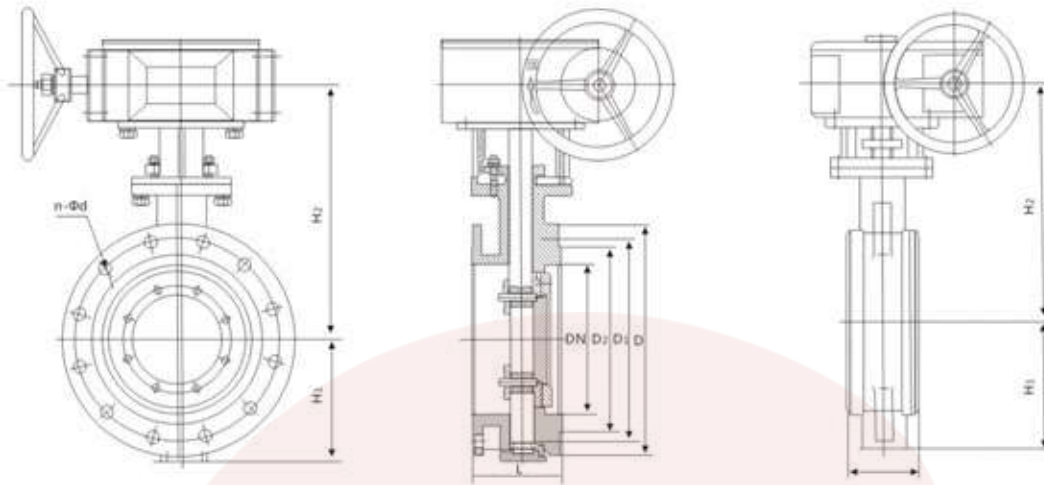
JB/T79.1-1994
JB/T82.1-1994

DN(mm)	Main dimensions				Flange dimensions and bolt specifications							
					0.6MPa				1.0MPa			
	L	L1	H2	H1	D	D1	D2	n-Φd	D	D1	D2	n-Φd
100	127	56	285	107	205	170	145	4-18	220	180	156	8-18
125	140	64	300	123	235	200	175	8-18	230	210	184	8-18
150	140	70	320	140	260	225	200	8-18	285	240	211	8-18
200	152	71	370	180	315	280	235	8-18	340	295	266	8-22
250	165	76	420	200	370	335	310	12-18	395	350	310	12-22
300	178	83	500	250	435	395	362	12-23	445	400	370	12-22
350	190	92	530	270	485	445	412	12-23	505	460	429	16-22
400	216	102	570	300	535	495	462	16-23	565	515	480	16-26
450	222	114	600	320	590	550	518	16-23	615	565	530	16-26
500	229	127	680	360	640	600	568	16-23	670	620	582	20-26
600	267	154	750	420	755	705	670	20-25	780	725	682	20-30
700	292	165	810	480	860	810	775	24-25	895	840	794	24-30
800	318	190	905	540	975	920	880	24-30	1015	950	901	24-33
900	330	203	960	590	1075	1020	980	24-30	1115	1050	1001	28-33
1000	410	216	1010	640	1175	1120	1080	28-30	1230	1160	1112	28-36
1200	470	254	1175	750	1400	1340	1295	32-34	1455	1380	1328	32-39
1400	530	/	1310	860	1620	1560	1510	36-34	1675	1590	1530	36-42
1600	600	/	1460	980	1830	1760	1710	40-37	1915	1820	1750	40-48
1800	670	/	1560	1090	2045	1970	1918	44-40	/	/	/	/
2000	760	/	1670	1190	2265	2180	2125	48-43	/	/	/	/

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

D343Hs-⁶/₂₅C、P、R

D373HS-⁶/₂₅C、P、R



Main connection dimensions

JB/T79.1-1994
JB/T82.1-1994

DN(mm)	Main dimensions				Flange dimensions and bolt specifications							
					1.6MPa				2.5MPa			
	L	L1	H2	H1	D	D1	D2	n-Φd	D	D1	D2	n-Φd
100	127	56	285	107	215	180	155	8-18	235	190	156	8-22
125	140	64	300	123	245	210	185	8-18	270	220	184	8-26
150	140	70	320	140	280	240	210	8-23	300	250	211	8-26
200	152	71	370	180	335	295	265	12-23	360	310	274	12-26
250	165	76	420	200	405	355	320	12-25	425	370	330	12-30
300	178	83	500	250	460	410	375	12-25	485	430	389	16-30
350	190	92	530	270	520	470	435	16-25	555	490	448	16-33
400	216	102	570	300	580	525	485	16-30	620	550	503	16-36
450	222	114	600	320	640	585	545	20-30	670	600	548	20-36
500	229	127	680	360	705	650	608	20-34	730	660	609	20-36
600	267	154	750	420	840	770	718	20-41	845	770	720	20-39
700	292	165	810	480	910	840	788	24-41	960	875	820	24-42
800	318	190	905	540	1020	950	898	24-41	1085	990	928	24-48
900	330	203	960	590	1120	1050	998	28-41	/	/	/	/
1000	410	216	1010	640	1255	1170	1110	28-48	/	/	/	/
1200	470	254	1175	750	1485	1390	1325	32-54	/	/	/	/

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

Products and uses

Double eccentric butterfly valve lies between the PTFE sealing the soft skeleton rubber seal and metal sealing butterfly valve butterfly valve between a butterfly, both with a rubber sealing butterfly valve a good sealing performance, but also has metal seals, heat resistant pressure and so on. Which is widely used in medium temperature = 180 °C oil, metallurgy, electric power, municipal engineering, water and other pipe for directional control of media flows hoist body.

Feature

1. PTFE valve seat by a compensatory framework, PTFE material completely overcome the adverse effects of thermal expansion and contraction.
2. The disc sealing surface of three-dimensional parabolic surface, the disc flow line modeling, fluid resistance small, run smoothly.
3. Valve seat and valve-packing, easy maintenance, adjustment and assembly.
4. Flow characteristics tend to feature direct proportion to regulate the performance, in the 0°~ 90 °range can be adjusted flow.

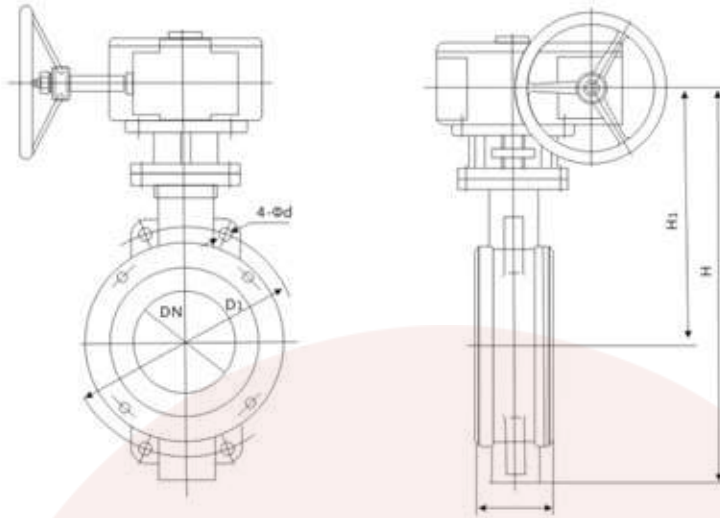
Main performance specifications

DN(mm)		50 ~ 1000	
PN(mm)		1.0MPa	1.6MPa
Test pressure	Strength	1.5MPa	2.4MPa
	Seal	1.1MPa	1.76MPa
Suitable temperature		-29°C ~ 180°C	
Applicable medium		Air, steam, water, oil, acid, alkali, salt, etc. (medium, without excessive particle impurities)	
Drive mode		Handle, worm gear drive, electric, pneumatic, hydraulic	

Main parts and materials

Part Name	Body	Butterfly plate	Stem	Sealing ring	Packing
Material	Carbon steel, stainless steel, Iron	Carbon steel, stainless steel, Iron(Sealing surface welding, hard chrome plated)	Stainless steel	PTFE ring skeleton	Flexible Graphite

D₃⁶₉73F-¹⁰₂₅C, P, R



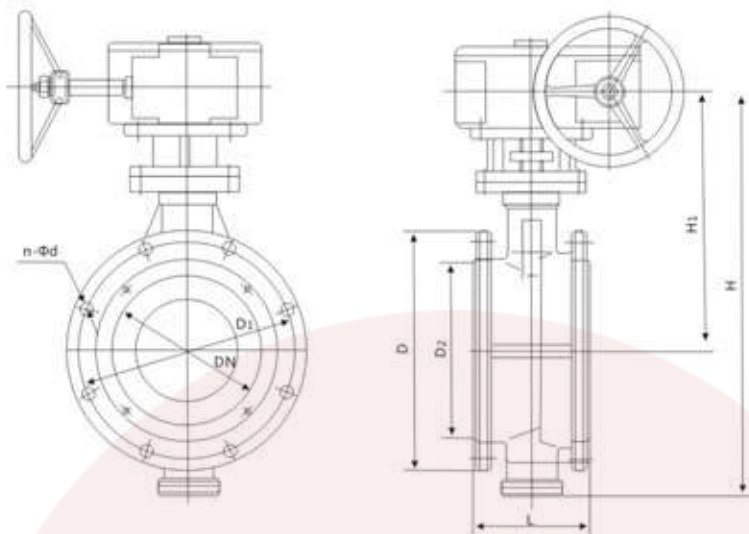
Main connection dimensions

GB/T9113

DN(mm)	Main dimensions			Flange dimensions and bolt specifications					
				1.0MPa		1.6MPa		2.5MPa	
	L	H ₁	H	D ₁	n-Φd	D ₁	4-Φd	D ₁	4-Φd
50	43	255	340	125	4-18	125	4-18	125	4-18
65	46	280	370	145	4-18	145	4-18	145	4-18
80	49	285	385	160	4-18	160	4-18	160	4-18
100	56	310	430	180	4-18	180	4-18	190	4-23
125	64	310	440	210	4-18	210	4-18	220	4-25
150	70	315	475	240	4-23	240	4-23	250	8-25
200	71	380	590	295	4-23	295	4-23	310	4-25
250	76	460	710	350	4-23	355	4-25	370	4-30
300	83	475	725	400	4-23	410	4-25	430	4-30
350	92	510	830	460	4-23	470	4-25	490	4-34
400	102	550	900	515	4-25	525	4-30	550	4-34
450	114	590	970	565	4-25	585	4-30	600	4-34
500	127	610	1030	620	4-25	650	4-34	660	4-41
600	154	660	1150	725	4-30	770	4-41	770	4-41
700	165	730	1220	840	4-30	840	4-41	875	4-48
800	190	810	1300	950	4-34	950	4-41	990	4-48
900	203	930	1480	1050	4-34	1050	4-41	1090	4-54
1000	216	1020	1600	1160	4-34	1170	4-48	1210	4-58

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

D_g³43F-10¹⁶C、P、R



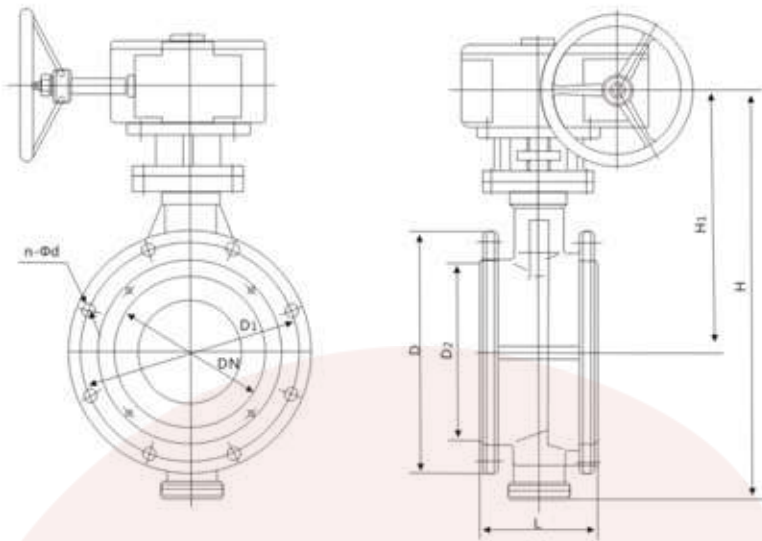
Main connection dimensions

GB/T9113

DN(mm)	Main dimensions			Flange dimensions and bolt specifications							
				1.0MPa				1.6MPa			
	L	H1	H	D	D1	D2	n-Φd	D	D1	D2	n-Φd
50	108	265	350	160	125	100	4-18	160	125	100	4-18
65	112	275	365	180	145	120	4-18	180	145	120	4-18
80	114	280	380	195	160	135	4-18	195	160	135	8-18
100	127	300	425	215	180	155	8-18	215	180	155	8-18
125	140	315	450	245	210	185	8-18	245	210	185	8-18
150	140	325	470	280	240	210	8-23	280	240	210	8-23
200	152	395	595	335	295	265	8-23	335	295	265	12-23
250	165	420	620	390	350	320	12-23	405	355	320	12-25
300	178	500	750	440	400	368	12-23	460	410	375	12-25
350	190	530	800	500	460	428	16-23	520	470	435	16-25
400	216	570	870	565	515	482	16-25	580	525	485	16-30
450	222	600	920	615	565	532	20-25	640	585	545	20-30
500	229	680	1040	670	620	585	20-25	705	650	608	20-34
600	267	750	1170	780	725	685	20-30	840	770	718	20-41
700	292	810	1290	895	840	800	24-30	910	840	788	24-41
800	318	905	1440	1010	950	905	24-34	1020	950	898	24-41
900	330	960	1550	1110	1050	1005	28-34	1120	1050	998	28-41
1000	410	1010	1650	1220	1160	1115	28-34	1255	1170	1110	28-48

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

D_g³43F-²⁵/₄₀C, P, R



Main connection dimensions

GB/T9113

DN(mm)	Main dimensions			Flange dimensions and bolt specifications							
				2.5MPa				4.0MPa			
	L	H ₁	H	D	D ₁	D ₂	n-Φd	D	D ₁	D ₂	n-Φd
50	108	265	350	160	125	100	4-18	160	125	100	4-18
65	112	275	365	180	145	120	8-18	180	145	120	8-18
80	114	280	380	195	160	135	8-18	195	160	135	8-18
100	127	300	425	230	190	160	8-23	230	190	160	8-23
125	140	315	450	270	220	188	8-25	270	220	188	8-25
150	140	325	470	300	250	218	8-25	300	250	218	8-25
200	152	395	595	360	310	278	12-25	375	320	282	12-30
250	165	420	620	425	370	332	12-30	445	385	345	12-34
300	178	500	750	485	430	390	12-30	510	450	408	16-34
350	190	530	800	550	490	448	16-34	570	510	465	16-34
400	216	570	870	610	550	505	16-34	655	585	535	16-41
450	222	600	920	660	600	555	20-34	680	610	560	20-41
500	229	680	1040	730	660	610	20-41	755	670	612	20-48
600	267	750	1170	840	770	718	20-41	890	795	730	20-54
700	292	810	1290	955	875	815	24-48				
800	318	905	1440	1070	990	930	24-48				
900	330	960	1550	1180	1090	1025	24-54				
1000	410	1010	1650	1305	1210	1140	28-58				

Note: According to ANSI, JIS, DIN standards and production of non-standard size.

Uses

This series of butterfly valve eccentric structure design, its main structure of the valve from the valve body, butterfly plates, valve seat, stem, and transmission parts such as the composition, valve seat with detachable construction, and media or under different physical and chemical characteristics of medium, choose the appropriate anti-corrosion, light, anti-aging material can be widely used in water supply and drainage, air conditioning, petroleum, chemical, food, medicine, energy systems, fluid lines, as a regulator and the closure device.

Features

1. Valve seat and valve body as a whole using sulfide, one good, easy on-site maintenance, and use full-flow design, free from impurities card blocking effects of both ends of the conjoined ring seal line to make the pipe installation without additional pads while maintaining a reliable seal, according to different application requirements and can choose different materials.
2. Simple structure, to open quickly. Butterfly board material with streamlined design, can be bi-directional use, flow resistance is small, excellent flow characteristics.
3. Long life, open and close more times.
4. Two-way seal, zero leakage test.
5. Flow characteristics tend to a straight line to regulate the performance is good.

Adoption Standard

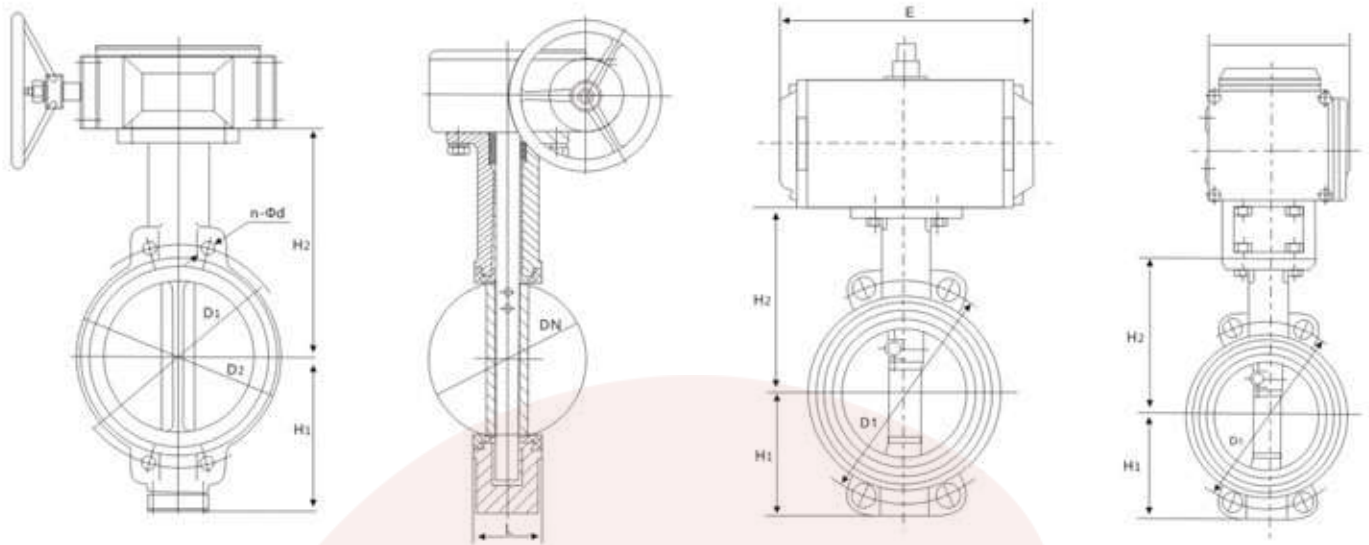
Manufacturing standards	GB 12238-89	Flange standard	GB/T 17241.6 GB/T9113.1
Structure of the length of the standard	GB 12221-89	Test standard	GB/T 13927-92

Main Performance Specifications

Model	PN(MPa)	Shell test pressure PS(MPa)	Sealing test pressure (Mpa)	Temperature (°C)	Applicable medium
$\frac{3}{D_671X-6}$ $\frac{9}{9}$	0.6	0.9	0.66		Water, oil
$\frac{3}{D_671X-10}$ $\frac{9}{9}$	1.0	1.5	1.1		
$\frac{3}{D_671X-16}$ $\frac{9}{9}$	1.6	2.4	1.76		

Main parts and materials

Part Name	Valve body, butterfly plate	Stem	Seal (150°C)	Packing
Material	Gray Iron Ductile Iron Cast steel Stainless steel	(2Cr13) 1Cr18Ni9Ti Medium carbon steel Stainless steel (2Cr13) 1Cr18Ni9Ti	NR NBR EPDM PTFE Viton	Flexible Graphite



Main connection dimensions

GB/T9113

DN(mm)	Main dimensions					Flange dimensions and bolt specifications					
						0.6MPa		1.0MPa		1.6MPa	
	L	H1	H2	E	F	D1	n-Φd	D1	n-Φd	D1	n-Φ
50	43	80	160	137	109	110	4-Φ14	125	4-Φ18	125	4-Φ18
65	46	88	175	204	109	130	4-Φ14	145	4-Φ18	145	4-Φ18
80	46	96	180	204	109	150	4-Φ18	160	4-Φ18	160	4-Φ18
100	52	115	200	230	135	170	4-Φ18	180	4-Φ18	180	4-Φ18
125	56	128	213	271	135	200	4-Φ18	210	4-Φ18	210	4-Φ18
150	56	140	225	305	153	225	4-Φ18	240	4-Φ23	240	4-Φ23
200	60	175	260	380	218	280	4-Φ18	295	4-Φ23	295	4-Φ23
250	68	202	290	462	218	335	4-Φ18	350	4-Φ23	355	4-Φ25
300	78	242	330	555	218	395	4-Φ23	400	4-Φ23	410	4-Φ25
350	78	266	360			445	4-Φ23	460	4-Φ23	470	4-Φ25
400	102	298	390			495	4-Φ23	515	4-Φ25	525	4-Φ30
450	114	315	410			550	4-Φ23	565	4-Φ25	585	4-Φ30
500	127	348	430			600	4-Φ23	620	4-Φ25	650	4-Φ34
600	154	400	490			705	4-Φ25	725	4-Φ30	770	4-Φ41
700	165	520	550			810	4-Φ25	840	4-Φ27	840	4-Φ33
800	190	591	610			920	4-Φ30	950	4-Φ30	950	4-Φ36
900	203	660	680			1020	4-M27	1050	4-M30	1050	4-M36
1000	216	670	730			1120	4-M27	1160	4-M33	1170	4-M39
1200	254	780	835			1340	4-M30	1380	4-M36	1390	4-M45
1400	279	890	935			1560	4-M33	1590	4-M39	1590	4-M45
1600	318	1000	1035			1760	4-M33	1820	4-M45	1820	4-M52

Note: According to ANSI, JIS, DIN standard and non-standard size of the production, listed in the table is a cast iron flange bolt hole diameter.

Disc Analysis

Butterfly valve							
Medium	Material	Appliale dimension	PT Value	(ppm) Chlorinity content	Applicable temperature	Material merits	Application medium
Butterfly plate	SAF2507 Super double steel. Surface quality S3	DN40~1200	≥3.0	< 30.000	≤35~150°C	wear-resisting, anti-corrosive, support high-velo cityimpact- resisting	Gypsum limestone serosity, gypsum serosity, washing serosity, gypsum serosity, process water, waste water
	DIN1.4529 Super double of stainless steel	DN40~1200	≥5.0	< 50.000	≤35~150°C		
	C276 nickel-based corrosion resistance Hard alloy surface quality S3	DN40~1200	≥2.5	< 50.000	≤35~150°C		
	Hostalen Gur						
	CF8M Ultra-low carbon stainless steel	DN40~1200	≥5.0	< 5.000	≤35~150°C	Anti-corrosive	

Seat Analysis

Seat	CSM CSM Elastic rubber	DN40~1200	≥0	< 150.000	≤35~150°C	Wear-resisting, anti-corrosive	Gypsum Limestone serosity,gypsum serosity,washing serosity, gypsum serosity,process water,waste water
	EPDN g Epdm	DN40~1200	≥2.5	< 150.000	≤35~150°C	Support high-velocity impact-resisting	

Main parts and materials

Body		Disc		Shaft	Bush	Seat		Applicable temperature
Material	Code	Material	Code	Material	Material	Material	Code	
Grey iron	Z	Electroplated ductile iron	B1	Stainless steel	Lubrication bronze	NR	X1	-20~+85 (°C)
Nodular iron	Q	Aluminum bronze	B2	Carbon steel	PTFE	Hypalan	X2	-18~+135 short-term -18~+149
Aluminum bronze	T	ZG1Cr18Ni9Ti Stainless steel	B3			EPOM	X3	-45~+135 short-term -50~+149
ZG1Cr18Ni9Ti Stainless steel	P	Titanium steel	B4			Chloroacetyl rubber	X4	-7~+93 short-term -7~+107
CF8M Stainless steel	R	CF8M stainless steel	B5			NBR	X5	-12~+82 short-term -12~+93
Carbon steel	C	Carbon steel	B6			WR	X6	-10~+50
		CF8M Stainless steel	B7			Vitom	X7	-23~+150
						Heat-resistant EPDM	X9	-20~+150
						PTFE	F4	+10~+150

Power Station Desulfurization disc

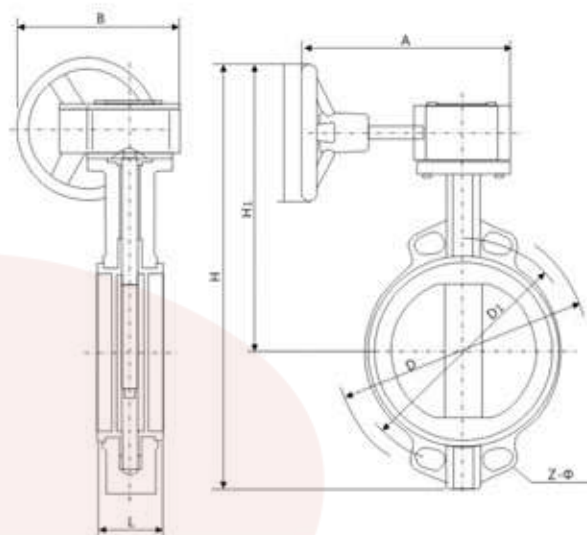
Hastelloy C276 alloy, DIN1.4529, 1.4469, 1.4462, 1.4401, 1.4410, 1.4408 / SAF2507, monel, 904 L, 255 alloy etc.

Main Performance Specifications

Applicable temperature	Application medium
≤85°C NR	Gypsum serosity, limestone serosity, recycle-water, process water, waste water
≤100°C EPOM	

Main Parts and Materials

Name	Material
Body	Gray Iron, Ductile Iron, Carbon steel
Butterfly plate	Rubber coated carbon steel, fluorplastic coated carbon steel, stainless steel, Duplex stainless steel 1.4529, C276
Seat	NR, EPOM
Stem	Stainless steel, 2Cr13, 304



Main external dimensions and connection size(mm)

GB/T9113

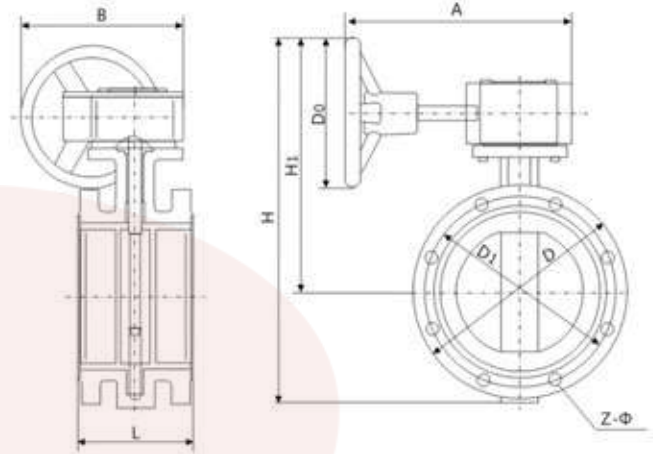
(DN)	L	D	D1	Z-φ	H	H1	A	B	D0	(kg)Weight
40	33	145	110	4-18	350	270	193	125	150	7
50	43	160	125	4-18	360	280	193	125	150	8
65	46	180	145	4-18	385	295	193	125	150	9
80	46	195	160	4-18	396	300	193	125	150	10
100	52	215	180	8-18	430	315	193	125	150	11
125	56	245	210	8-18	460	335	193	125	150	13
150	56	280	240	8-23	485	345	193	125	150	14
200	60	335	295	8-23	630	455	283	165	220	30
250	68	390	350	12-23	690	484	283	165	220	40
300	78	440	400	12-23	770	530	334	175	280	78
350	78	500	460	16-23	830	560	334	175	280	81
400	102	565	515	16-25	910	595	425	210	320	140
450	114	615	565	20-25	938	618	425	210	320	160
500	127	670	620	20-25	993	650	425	210	320	190
600	154	780	725	20-30	1131	718	425	210	320	315
700	165	895	840	24-30	1476	998	620	320	400	480
800	190	1015	950	24-33	1533	1008	620	320	400	516
900	203	1115	1050	28-33	1655	1070	620	320	400	780
1000	216	1230	1160	28-36	1765	1125	620	400	400	950
1100	230	1340	1270	32-36	1880	1184	620	400	400	1050
1200	254	1455	1380	32-39	1995	1240	620	400	400	1150
Standard	Design : GB12238		Structural length : GB12221			Flange : GB/T17241.6		PN1.0MPa		

Main Performance Specifications

Applicable temperature	Application medium
≤85°C NR	gypsum serosity, limestone serosity, recycle-water, process water, waste water.
≤100°C EPOM	

Main Parts and Materials

Name	Material
Body	Gray Iron, Ductile Iron, Carbon steel
Butterfly plate	Rubber coated carbon steel, fluorplastic coated carbon steel, stainless seel, Duplex stainless steel 1.4529, C276
Seat	NR EPOM
Stem	Stainless steel, 2Cr13, 304



Main External Dimensions and Connection Size(mm)

GB/T9113

DN(mm)	PN(MPa)	L	D	D1	Z-Φ	H	H1	A	B	D0	(kg)
50	1.0	108	160	125	4-18	310	227	193	125	150	8
65		112	180	145	4-18	333	240	193	125	150	11.5
80		114	195	160	4-18	423	323	193	125	150	12.5
100		127	215	180	8-18	440	330	193	125	150	23
125		140	245	210	8-18	455	330	193	125	150	41
150		140	280	240	8-23	510	368	193	125	150	47
200		152	335	295	8-23	614	444	283	165	220	61
250		165	390	350	12-23	680	483	283	165	220	74
300		178	440	400	12-23	776	554	334	175	280	103
350		190	500	460	16-23	840	588	334	175	280	120
400		216	565	515	16-25	858	596	425	210	320	217
450		222	615	565	20-25	993	686	425	210	320	242
500		229	670	620	20-25	1056	721	425	210	320	279
600		267	780	725	20-30	1161	771	425	210	320	396
700		292	860	810	24-26	1350	818	503	393	450	265
700		292	895	840	24-30	1350	818	503	393	450	424
800	241	975	920	24-30	1440	858	503	393	450	345	
800	318	1015	950	24-33	1440	858	503	393	450	552	
900	241	1075	1020	24-30	1616	978	630	555	500	425	
900	0.6	330	1075	1020	24-30	1616	978	630	555	500	680
1000	1.0	300	1175	1120	28-30	1780	1058	630	555	500	565
1000	0.6	410	1230	1120	28-30	1780	1058	630	555	500	906
1100	1.0	350	1305	1240	28-33	1995	1200	630	555	500	740
1100	0.6	440	1340	1270	32-36	1995	1200	630	555	500	1184
1200	1.0	350	1405	1340	32-33	2045	1250	630	555	500	910
1200	0.6	470	1455	1380	32-36	2045	1250	630	555	500	1456
Standard	1.0	Design : GB12238			Structural length : GB12221			Flange : GB/T17241.6		PN1.0MPa	

Use

This valve is suitable for metallurgy, chemical engineering and electrical and municipal waterworks, and other media for water, oil and air pipes, cut off from the flow of fluid medium such as the role and regulation.

Features

1. This valve design of novel structure, the overall small size, light weight
2. Double eccentric butterfly plate, start quickly, the operation is more labor-saving light.
3. Double eccentric butterfly plate, so that seal between the butterfly plate and no sliding friction, wear resistance and long service life sealing surface sealing, reliable, easy to adjust.

Working principle

Rotary valve hand wheel, through the worm gear transmission, the stem disc drive within the 90-degree rotation, so that valve is opened or closed state, to achieve the purpose of communication or cut off the media.

Standard

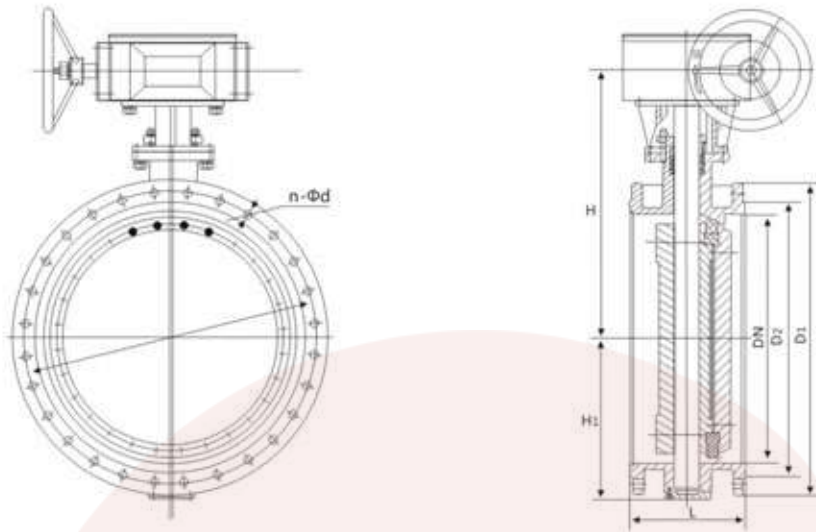
Manufacturing standards	GB 12238-89	Flange standard	GB/T 17241.6 GB/T 9113.1
Structure of the length of the standard	GB 12221-89	Test standard	GB/T 13927-92

Main Performance Specifications

Model	PN(MPa)	PS(MPa)	PS(MPa)	Work temperature (°C)	Applicable medium
D ₆ ³ / ₉ 41X-6	0.6	0.9	0.66	≤80°C	Water, oil
D ₆ ³ / ₉ 41X-10	1.0	1.5	1.1	≤80°C	Water, oil

Main parts and materials

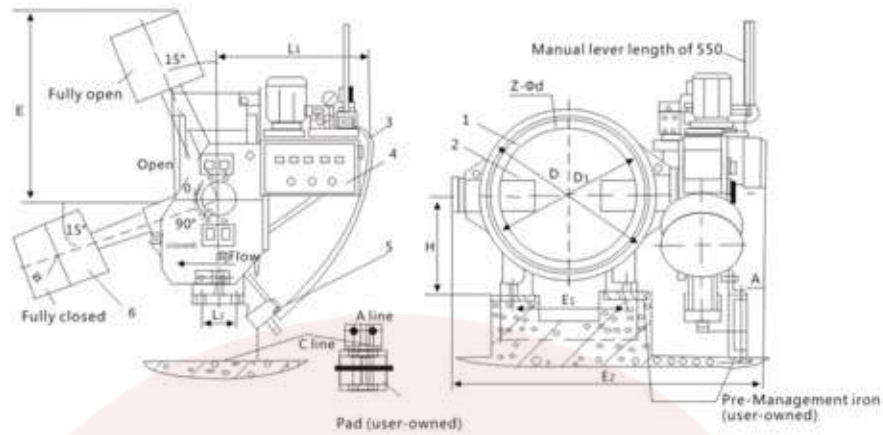
Part name	Valve body, butterfly plate	Stem	Seat	Sealing ring	Packing
Material	Grey cast iron Ductile iron Cast steel Stainless steel Nickel-chromium cast iron	Medium carbon steel Stainless steel(2Cr13) 1Cr18Ni9Ti	Copper alloy, stainless steel	NBR EPDM PTFE Viton	Flexible graphite



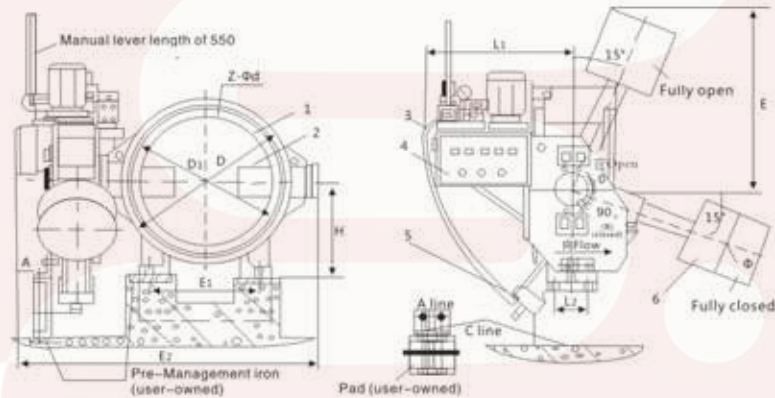
Main connection dimensions

GB/T9113

DN(mm)	L		H1	H2	0.6MPa				1.0MPa			
	Short Series	Long series			D	D1	D2	n-Φd	D	D1	D2	n-Φd
100	127	127	120	240	205	170	145	4-18	215	180	155	8-18
125	140	140	130	270	235	200	175	8-18	245	210	185	8-18
150	140	140	150	300	260	225	200	8-18	280	240	210	8-23
200	152	152	180	330	315	280	255	8-18	335	295	265	8-23
250	165	250	220	400	370	335	310	12-18	390	350	320	12-23
300	178	270	220	410	435	395	362	12-23	440	400	368	12-23
350	190	290	270	460	485	445	412	12-23	500	460	428	16-23
400	216	310	290	510	535	495	462	16-23	565	515	482	16-25
450	222	330	320	560	590	550	518	16-23	615	565	532	20-25
500	229	350	360	590	640	600	568	16-23	670	620	585	20-25
600	267	390	390	660	755	705	670	20-25	780	725	685	20-30
700	292	430	460	780	860	810	775	24-25	895	840	772	24-31
800	318	470	530	850	975	920	880	24-30	1015	950	878	24-34
900	330	510	570	920	1075	1020	980	24-30	1115	1050	978	28-34
1000	410	550	630	990	1175	1120	1080	28-30	1230	1160	1078	28-37
1200	470	630	750	1115	1405	1340	1295	32-34	1455	1380	1295	32-40
1400	530	710	850	1228	1630	1560	1510	36-37	1675	1590	1510	36-43
1600	600	790	990	1340	1830	1760	1710	40-37	1915	1820	1710	40-49
1800	670	870	1100	1570	2045	1970	1918	44-40	2115	2020	1920	44-49
2000	760	950	1210	1680	2265	2180	2125	48-43	2325	2230	2130	48-49
2200	590	/	1340	1850	2475	2390	2335	52-43	2550	2440	2330	52-56
2400	650	/	1460	1970	2685	2600	2545	56-43	2760	2650	2530	56-56
2600	700	/	1560	2120	2905	2810	2750	60-49	2960	2850	2740	60-56
2800	760	/	1680	2240	3115	3020	2960	64-49	3180	3070	2940	64-56
3000	810	/	1800	2360	3315	3220	3160	68-49	3405	3290	3150	68-62
3200	880	/	1920	2500	3525	3430	3370	72-49	3630	3510	3360	72-62
3400	950	/	2040	2620	3735	3640	3580	76-49	3850	3730	3570	76-62



1, Body 2, Disc 3, Hydraulic control system 4, Electric control box 5, Swing cylinder 6, Hammer
Dress Type



1, Body 2, Disc 3, Hydraulic control system 4, Electric control box 5, Swing cylinder 6, Hammer
Anti-mounted type

Uses and Features

The butterfly is the introduction of foreign products on the basis of improved performance and improved products. It can achieve the scheduled procedure valve linkage; open and close remote control, automatic packing can not afford to hammer, the disc does not jitter, small resistance; with adjustable speed, slow off the two phases, especially when a sudden power failure or accident when the pump stops, the heavy hammer of eternal potential, will automatically adjust the speed of the relevant pre-closing valve in two stages, to prevent water hammer damage, protect the water pump pipe network system security.

The valves are widely used in water plants, power plants, metallurgy, irrigation and drainage pumping stations and other large and medium projects in the pipeline.

Standard

Flange Size: Gray cast iron flange GB / T 17241.6-1998

Ductile iron flange GB/T17241.6-1998

Steel flange GB / T 9113.1

Structure Length: GB 12221-89

Pressure Test: GB / T 13927-92

Main components material

Name	material
Body	Gray iron, ductile iron, carbon steel
Butterfly plate	Gray iron, ductile iron, carbon steel
Valve shaft	Carbon steel (surface anti-corrosion treatment), stainless steel
Valve body sealing ring	Stainless steel, copper alloy
Butterfly plate sealing ring	Quality rubber

Main technical parameters

(mm)	PN (MPa)	Test pressure (MPa)		Applicable temperature (°C)	Applicable medium
		Case	Seal		
300-1000	2.5	3.75	2.75	≤80°C	Water, sea water, sediment, etc.
300-1800	1.6	2.4	1.76		
300-2000	1.0	1.5	1.1		
1200-2400	0.6	0.9	0.66		
2000-3400	0.25	0.375	0.275		

Main external dimensions

DN(mm)	0.25MPa										
	D	D1	L1	L2	E	E1	E2	H	Z-Φd	Motor Power (KW)	Foot Bolt 4-Md
2000	2190	2130	1130	360	1882	1370	3630	1165	48-30	5.5	4-36
2200	2405	2340	930	400	1960	1560	3955	1240	52-33	5.5	4-39
2400	2605	2540	930	450	2060	1760	4155	1340	56-33	7.5	4-39
2600	2805	2740	1000	500	2160	1960	4355	1540	60-33	7.5	4-39
2800	3030	2960	1000	550	2260	2160	4555	1640	64-36	7.5	4-39
3000	3230	3160	1000	600	2360	2360	4755	1140	68-36	7.5	4-42
3200	3430	3360	1000	650	2460	2580	7955	1840	72-36	7.5	4-42
3400	3630	3560	1000	700	2560	2760	5155	1940	76-36	7.5	4-42

DN(mm)	0.6MPa										
	D	D1	L1	L2	E	E1	E2	H	Z-Φd	Motor Power (KW)	Foot Bolt 4-Md
1200	1405	1340	970	260	1450	790	2600	710	32-33	5.5	4-36
1300	1520	1450	1010	260	1450	820	2740	780	32-36	5.5	4-36
1400	1630	1560	1010	260	1450	840	2800	835	32-36	5.5	4-36
1500	1730	1660	1050	260	1450	900	300	900	36-36	5.5	4-36
1600	1830	1760	1050	260	1450	960	3140	935	40-36	5.5	4-36
1800	2045	1970	1090	270	1890	1370	3500	1040	44-39	5.5	4-39
2000	2265	2180	1160	360	1890	1370	3750	1130	48-42	7.5	4-42
2200	2475	2390	/	/	/	/	/	/	52-42	/	4-42
2400	2685	2600	/	/	/	/	/	/	56-42	/	4-42

DN(mm)	1.0MPa										
	D	D1	L1	L2	E	E1	E2	H	Z-Φd	Motor Power (KW)	Foot Bolt 4-Md
300	440	400	710	100	910	320	549	330	12-23	2.2	4-22
350	500	460	720	120	910	320	574	330	16-23	2.2	4-22
400	565	515	730	120	910	420	607	370	16-25	2.2	4-22
500	670	620	820	140	1135	600	758	440	20-25	2.2	4-27
600	780	725	850	150	1230	430	857	460	20-30	2.2	4-30
700	895	840	870	180	1230	570	920	540	24-30	2.2	4-30
800	1015	950	890	180	1230	610	988	530	24-33	2.2	4-30
900	1115	1050	910	180	1280	700	1354	585	28-33	5.5	4-30
1000	1230	1160	920	200	1450	740	1464	620	28-36	5.5	4-30
1200	1455	1380	970	260	1450	790	/	710	32-39	5.5	4-36
1300	1575	1490	1010	260	1730	820	1493	800	32-42	5.5	4-36
1400	1675	1590	1010	260	1885	840	/	865	36-42	5.5	4-36
1500	1785	1700	1080	260	1885	900	1857	925	36-42	5.5	4-36
1600	1915	1820	1080	270	1890	960	1995	980	40-48	7.5	4-45
1800	2115	2020	1120	440	1890	1370	/	1110	44-48	7.5	4-45
2000	2325	2230	1160	460	/	1400	/	/	48-48	/	4-45

Main external dimensions

DN(mm)	1.6MPa										
	D	D1	L1	L2	E	E1	E2	H	Z-Φd	Motor Power(KW)	Foot Bolt 4-Md
300	460	410	710	100	910	384	1040	330	12-25	2.2	4-22
350	520	470	720	100	910	384	1100	345	16-25	2.2	4-22
400	580	525	730	120	1010	484	1160	370	16-30	2.2	4-22
500	705	650	820	140	1230	670	1530	440	20-34	2.2	4-27
600	840	770	850	150	1240	690	1680	490	20-41	5.5	4-30
700	910	840	870	180	1240	690	1750	520	24-41	5.5	4-30
800	1020	950	890	180	1450	75	2150	550	24-41	5.5	4-36
900	1120	1050	910	180	1450	800	2250	600	28-41	5.5	4-30
1000	1255	1170	920	200	1450	830	2470	640	28-48	5.5	4-30
1200	1485	1390	970	260	1450	945	2660	760	32-54	5.5	4-42
1300	1585	1490	1010	360	1450	980	2750	845	32-48	5.5	4-48
1400	1685	1590	1010	360	1450	980	2870	890	36-54	5.5	4-48
1500	1820	1710	1080	360	1890	1370	3140	945	36-56	7.5	4-48
1600	1930	1820	/	/	/	/	/	/	40-58	/	/
1800	2130	2020	/	/	/	/	/	/	44-56	/	/

DN(mm)	2.5MPa										
	D	D1	L1	L2	E	E1	E2	H	Z-Φd	Motor Power(KW)	Foot Bolt 4-Md
300	485	430	790	100	590	320	1085	330	16-30	2.2	4-22
350	550	490	800	120	1020	320	1150	360	16-34	2.2	4-30
400	610	550	820	120	1020	420	1345	360	16-34	2.2	4-30
500	730	660	840	140	1230	600	1590	430	20-41	5.5	4-30
600	840	770	860	150	1230	430	1700	490	20-41	5.5	4-30
700	955	875	880	180	1450	570	1780	520	24-48	7.5	4-36
800	1070	990	900	180	1450	650	1525	550	24-48	7.5	4-36
900	1180	1090	820	/	/	/	/	/	28-54	/	/
1000	1305	1210	820	/	/	/	/	/	28-58	/	/

Uses and Features

Telescopic valves for temperature $\leq 425^{\circ}\text{C}$, nominal pressure $\leq 1.6\text{MPa}$ of food, medicine, chemical, petroleum, electric power, textile, paper and other water supply and drainage, gas pipelines to make adjustments on the role of flow and closure of media and has compensation for piping hot Expansion shrinkage function.

Its main features are:

1. novel design, reasonable, unique structure, light weight, easy to operate, open and close quickly;
2. flexible butterfly valve to make adjustments and the closure addition to the role of compensation arising from thermal expansion and contraction pipe temperature functions, but also for the installation of replacement valves to facilitate maintenance;
3. sealing parts can be adjusted replacement, sealing performance and reliable and so on.

Using standard

Design Standards : GB/T 12238-1989

Flange connection dimensions : GB/T 9113.1; GB 12741.6

Pressure test : GB/T 13927-1992; JB/T 9092-1999

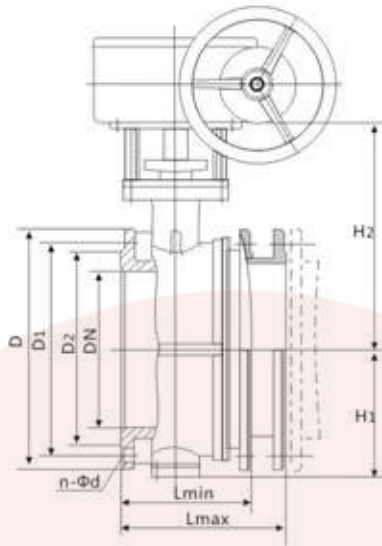
Main Performance Specifications

DN	DN(mm)	50~2000		
PN	PN(MPa)	0.6	1.0	1.6
Test pressure	Strength test	0.9	1.5	2.4
	Seal test	0.66	1.1	1.76
	Gas seal test	0.8	0.6	0.6
Suitable temperature	Metal seal $\leq 425^{\circ}\text{C}$		Rubber seals $\leq 80^{\circ}\text{C}$	
Applicable medium	Air, water, steam, oil, corrosive media		Air, water, steam, gas, oil	
Drive type	Manual, worm gear drive, pneumatic, electric			

Main parts and materials

Part Name	Material
Body	Nickel-chromium cast iron, ductile iron, cast iron, carbon steel, stainless steel
Butterfly plate	Nickel-chromium cast iron, ductile iron, carbon steel, alloy steel, stainless steel
Sealing ring	Rubber, PTFE, stainless steel
Stem	2Cr13, stainless steel
Telescopic tube	Nickel-chromium cast iron, ductile iron, cast iron, carbon steel, stainless steel
Packing	Flexible Graphite

D₃³/₆43^X/_H-⁶/₁₀¹⁶C、P、R



Main connection dimensions

DN(mm)	1.0MPa							
	D	D1	D2	L max	L min	H1	H2	n-Φd
100	215	180	155	216	174	110	170	8-Φ18
125	245	210	185	232	186	123	182	8-Φ18
150	280	240	210	239	194	140	210	8-Φ23
200	335	295	265	264	214	170	238	8-Φ23
250	390	350	320	296	235	195	270	12-Φ23
300	440	400	368	300	250	222	300	12-Φ23
350	500	460	428	320	270	252	330	16-Φ23
400	565	515	482	332	282	285	368	16-Φ25
450	615	565	532	355	305	310	402	20-Φ25
500	670	620	585	365	315	337	438	20-Φ25
600	780	725	685	420	370	393	490	20-Φ30
700	895	840	800	446	396	450	558	24-Φ30
800	1015	950	905	476	426	515	625	24-Φ33
900	1115	1050	1005	506	456	560	685	28-Φ33
1000	1230	1160	1110	516	466	610	750	28-Φ36
1200	1455	1380	1330	560	510	725	880	32-Φ39
1400	1675	1590	1530	590	540	840	987	36-Φ42
1600	1915	1820	1750	630	585	960	1158	40-Φ48
1800	2115	2020	1950	680	630	1060	1258	44-Φ48
2000	2325	2230	2150	730	680	1165	1365	48-Φ48

Note: The table, cast iron flange connection dimensions according to 1.0MPa Standard GB / T 12741.6 standard, steel flanges according to GB / T 9113.1.

Uses and characteristic

This butterfly valve uses with the valve chest same material processing seal packing collar, uses electrically operated or the pneumatic actuator. Body temperature with its application materials may be selected, nominal pressure $\leq 0.6\text{MPa}$, generally applicable to industry, metallurgy, environmental protection, regulating media flow channels for ventilation purposes. The main features are:

1, Novel design, reasonable, unique structure, light weight, enable rapid.

2 Torque is small, easy to operate, smart effort.

3, Used to adapt the material to meet the low, medium and high temperature of the different media and the corrosion medium, etc..

Standard

Design Standards: GB/T 12238-1989

Flange size: GB/T 9113

Structure Length: GB/T 12221-1989

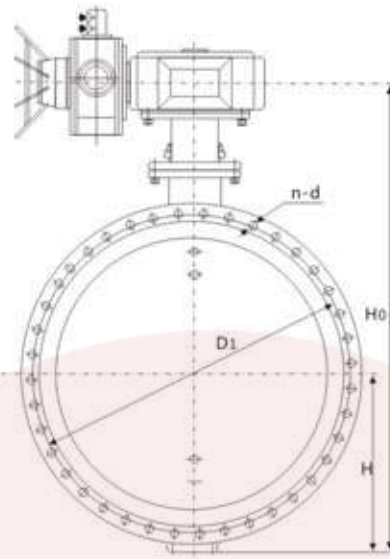
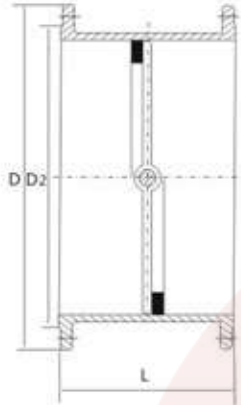
Pressure test: GB/T 13927-92; JB/T 9092-1999

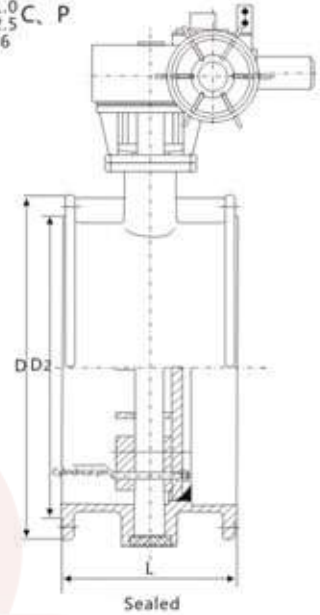
Main Performance Specifications

DN	DN(mm)	50~4000				
PN	PN(MPa)	0.05	0.10	0.25	0.6	
Test pressure	Strength test	0.075	0.15	0.375	0.9	
	Seal test	Sealed	0.055	0.11	0.275	0.66
		Non-Sealed	$\leq 1.5\%$ leakage			
Applicable medium	Gas, dust gases, flue gas, etc.					
Drive type	Manual, worm gear, pneumatic, electric transmission					

Main components material

Part Name	Material
Body	Stainless steel
Butterfly plate	Stainless steel
Sealing ring	Stainless steel
Stem	
Packing	Flexible Graphite

$$\frac{3}{9} D_6 41 \frac{W}{H} - \frac{0.5}{2.5} C, P$$


$$\frac{3}{9} D_6 43 \frac{W}{H} - \frac{0.5}{2.5} C, P$$


Main connection dimensions

DN(mm)	L	H	H ₀	0.05-0.1MPa				0.25MPa				0.6MPa			
				D	D ₁	D ₂	n-d	D	D ₁	D ₂	n-d	D	D ₁	D ₂	n-d
100	127	105	486	210	190	144	4-18	205	170	145	4-18	205	170	145	4-18
125	140	120	516	240	200	174	8-18	235	200	175	8-18	235	200	175	8-18
150	140	132	541	265	225	199	8-18	260	225	200	8-18	260	225	200	8-18
200	152	160	779	320	280	254	8-18	315	280	255	8-18	315	280	255	8-18
250	165	187	836	375	335	309	12-18	370	335	310	12-18	370	335	310	12-18
300	180	220	901	440	395	363	12-22	435	395	362	12-23	435	395	362	12-23
350	180	245	954	490	445	413	12-22	485	445	412	12-23	485	445	412	12-23
400	200	270	1003	540	495	463	16-22	535	495	462	16-23	535	495	462	16-23
450	200	297	1058	595	550	518	16-22	590	550	518	16-23	590	550	518	16-23
500	220	322	1111	645	600	568	20-22	640	600	568	16-23	640	600	568	16-23
600	220	377	1233	755	705	667	20-26	755	705	670	20-25	755	705	670	20-25
700	240	430	1338	860	810	772	24-26	860	810	775	24-25	860	810	775	24-25
800	240	487	1452	975	920	878	24-30	975	920	880	24-30	975	920	880	24-30
900	260	537	1588	1075	1020	978	24-30	1075	1020	980	24-30	1075	1020	980	24-30
1000	260	587	1689	1175	1120	1078	28-30	1175	1120	1080	28-30	1175	1120	1080	28-30
1200	280	702	1938	1375	1320	1280	32-30	1375	1320	1280	32-30	1405	1340	1295	32-34
1400	300	782	2670	1575	1520	1480	36-30	1575	1520	1480	36-30	1630	1560	1510	36-37
1600	320	895	2810	1790	1730	1690	40-30	1785	1730	1690	40-30	1830	1760	1710	40-37
1800	340	995	3020	1990	1930	1890	44-30	1990	1930	1890	44-30	2045	1970	1918	44-40
2000	360	1095	3220	2190	2130	2090	48-30	2190	2130	2090	48-30	2265	2180	2125	48-43
2200	380	1200	3430	2405	2340	2295	52-33	2405	2340	2295	52-33	2475	2390	2335	52-43
2400	400	1310	3650	2605	2540	2495	56-33	2605	2540	2495	56-33	2685	2600	2545	56-43
2600	420	1420	3920	2805	2740	2695	60-33	2805	2740	2695	60-33	2905	2810	2750	60-49
2800	440	1530	4140	3030	2960	2910	64-36	3030	2960	2910	64-36	3115	3020	2960	64-49
3000	460	1640	4360	3230	3160	3110	68-36	3230	3160	3110	68-36	3315	3220	3160	68-49
3200	480	1760	4620	3430	3360	3310	72-36	3430	3360	3310	72-36	3525	3430	3360	72-49
3400	500	1870	4840	3630	3560	3510	76-36	3630	3560	3510	76-36	3735	3640	3560	76-49
3600	520	1980	5060	3840	3770	3720	80-36	3840	3770	3720	80-36	3970	3860	3720	80-56
3800	540	2120	5400	4045	3970	3920	80-39	4045	3970	3920	80-39	4180	4070	3970	80-62
4000	560	2230	5620	4245	4170	4120	84-39	4245	4170	4120	84-39	4380	4270	4170	84-62

Use

Storage tank liquid control is slowly closing butterfly check valve factory in the digestion and absorption of Europe's most liquid control valves and report formed the basis of the development of new products. At present, the valve is the latest generation of hydraulic control valve in China, which both valve and check valve function, is a good to which it is set by Yu Xian Cheng Xu, ease off a two-stage Kuai closed movements to eliminate water hammer the ideal pipeline damage control equipment.

Feature

Notable feature of this valve are: The storage tank valve to replace the current domestic production plants of several heavy hammer, to hammer into a fluid storage potential, not only to save the long run by supporting the heavy hammer of the energy consumption, improve packing properties of the hydraulic system to avoid run-time to maintain the personal casualty and spiritual sense of insecurity or fear, but the idea of controlling body design is reasonable, small size and light weight, simple structure, functional, flexible movement reliable, good appearance, energy-saving materials, easy maintenance, and repair water pumps do not need to stop work.

The valve has a more complete hydraulic system and electric control systems, pumps can be manually close the valve. Valve can be fully open, fully closed, but also semi-open, half closed, use very convenient.

The valve Hydraulic and electrical control box can be in stalled in the body, the body can be separated and close to the installation, the level of distribution valve can also choose visual field conditions.

Working principle

1、Routine work

(1) Valve open: Start running motor driven oil pump, hydraulic oil through the filter, pump, check valve, manual valve into the storage tank to the rated pressure and stop. Solenoid valve power, the pressure of the oil storage tank by the hose into the swing cylinder (hereinafter referred to as tanks) in the end, push rod out, it pulls the connecting rod and the valve shaft to rotate the disc open, hydraulic fluid discharged from the front cylinder, adjusted valves, solenoid valve flow back into the tank to achieve uniform infinitely adjustable opening valve. Along with it, gathers can the pot sufficient pressure oil after the rated pressure the oil pump stops (see the hydraulic schematic diagram).

(2) The valve closed: off solenoid valve power supply (or reaction-type solenoid valve that is energized), the pressure of the oil storage tank into the front cylinder, push rod return, hydraulic fluid from the cylinder end of the speed of opening angle lever, quick closing speed control valve, slow flow back into the fuel tank control valve off, according to preset control program set to achieve 3 off valve.

(3) Any position to stop: butterfly valve in the open or close the process, cut off the fuel tanks back to the oil, the disc that is stopped at any location (not regulate the flow to use this feature).

2. The electric oil pump pressure directly for opening and closing valve: the pressure to cut off oil storage tank, close the valve manually form of J1, J2 (see hydraulic schematic diagram). Start the motor, the pressure of the oil pump into the fuel tanks were back or front can achieve uniform opening and closing valve.

3. Shake hand pump and off valve: (cutting off the pressure of the oil storage tank and turn off the electric pump) electrical or electromagnetic valve may lose electricity, shake the hand pump can be realized and off valve.

4. The oil storage tank fill pressure: Under normal circumstances, the hydraulic storage tank for the rating (upper limit), when the hydraulic system work in the long condition, because a trace amount of leakage so that oil pressure dropped to the rated value (lower limit) (oil pressure is still higher than the value of the work), the pressure controller action, start the pump motor up pressure on oil. Pump start time interval: the valve diameter DN ≤ 900 more than 300 hours, DN ≥ 1000 more than 500 hours.

5. Valve, pump interlock protection: When the solenoid valve malfunction (for the out of control), or misuse, the interlocking device tripping signal is issued, so that pump to stop running.

Model preparation instructions



DX7K41X-2.5
6
(Other same DX7K41K-10)

DX7K41H-10C
(DX7K41X-10)
Sealing surface materials: carbon steel (Other DX7K41X-10 the same)

DX7K41H-2.5C
6C
(0.25MPa)
(0.6MPa)
Nominal pressure (0.25MPa)
(0.6MPa) Other DX7K41H-10C the same
DX7K41H-10C

1200DX7K41X-10

DN1200

Cases: 1200DX7K41X-10

Path DN1200 said energy storage tank liquid butterfly check valve, hydraulic drive way, flange connection, the structure in the form of vertical plate, rubber sealing surface material, nominal pressure 1MPa.

Basic parameters

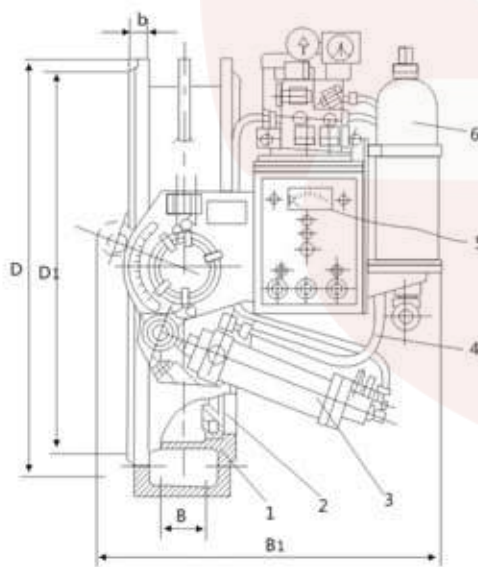
PN(MPa)	Ps(MPa)		Working temperature		Applicable medium	
	Seal	Strength	Dx7k41X- ^{2.5} / ₆ ¹⁰	Dx7k41H- ^{2.5} / ₆ ¹⁰ C	Dx7k41X- ^{2.5} / ₆ ¹⁰	Dx7k41H- ^{2.5} / ₆ ¹⁰ C
1	1.1	1.5	≤80°C	≤250°C	Water, oil and other non-corrosive liquids	Gas, steam and other exhaust body
0.6	0.66	0.9				
0.25	0.275	0.375				

Special Parameters

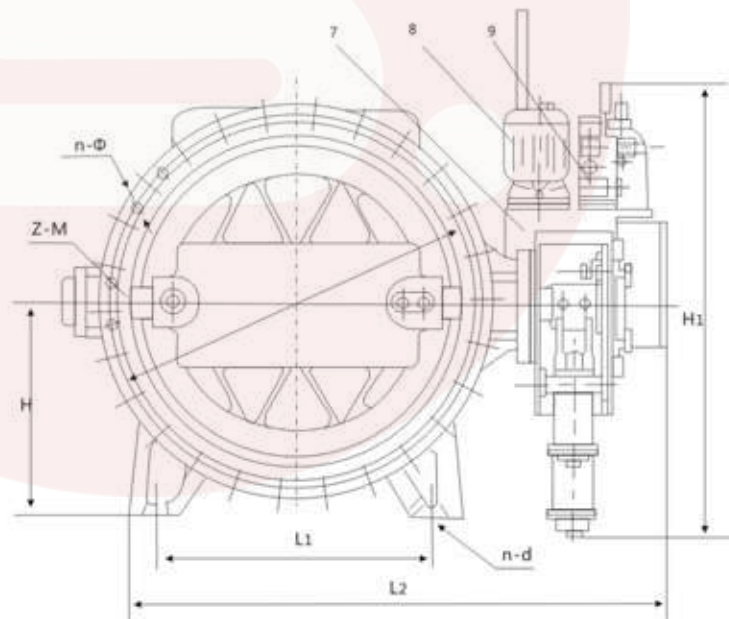
Diameter of valve	≤1200	≥1400	
Valve open time (S)	10~60	30~120	
Time off valve (S)	Fast off	1.2~25	2~30
	Slow off	2~60	4~60
Off valve angle	Fast off	65°±10°	
	Slow off	25°±10°	

Main components material

Part Name	Material	
	Dx7k41X- ^{2.5} / ₆ ¹⁰	Dx7k41H- ^{2.5} / ₆ ¹⁰ C
Valve body, butterfly plate	Grey cast iron	Carbon Steel
Valve shaft	Stainless steel	Stainless steel
Valve body sealing ring	Brass	Stainless steel
Butterfly plate sealing ring	NBR oil resistant rubber	Stainless steel



1. Body
2. Butterfly plate
3. Swing cylinder
4. Speed off the angle lever
5. Slow-off control valve
6. Faster customs control valve



7. High pressure hose
8. Manual globe valve J1 (control before the storage tank)
9. Manual globe valve J2 (after controlling storage tank)

Main dimensions

DN(mm)	Dx7k41 ^H _X -2.5														
	D	D1	D2	b	L1	L2	B	B1	H	H1	n-Φ	Z-M	n-d	Hydraulic Station	(kg) Weight
600	755	670	705	24	565	1427	/	960	460	1425	16-25	4-22	2-26	XL6.3	1100
700	860	775	810	26	640	1556	/	960	540	1425	20-25	4-22	2-30	XL6.3	1420
800	975	880	920	26	740	1723	/	1135	580	1665	20-30	4-27	2-30	XL10	1870
900	1075	980	1020	28	820	1850	130	1135	630	1665	20-30	4-27	2-30	XL10	2100
1000	1175	1080	1120	30	900	1960	160	1135	690	1665	24-30	4-27	4-30	XL10	2540
1200	1375	1280	1320	30	1070	2229	180	1215	810	1870	28-30	4-27	4-33	XL16	3160
1400	1575	1480	1520	32	1230	2466	220	1215	920	1870	32-30	4-27	4-36	XL16	3770
1600	1785	1690	1730	32	1400	2778	260	1215	920	1870	40-30	/	4-36	XL16	4770
1800	1990	1890	1930	34	1550	3036	290	1420	1140	2540	44-30	/	4-39	XL25	6960
2000	2190	2090	2130	34	1700	3293	330	1420	1250	2540	48-30	/	4-42	XL25	8860
2200	2405	2295	2340	36	1870	3580	400	1420	1360	2540	52-33	/	4-42	XL25	12450
2400	2605	2495	2540	38	2030	3920	450	1620	1480	2750	56-33	/	4-42	XL40	14830
2600	2803	2695	2740	40	2180	4230	500	1620	1600	2750	60-33	/	4-42	XL40	18220
2800	3030	2910	2960	42	2350	4550	550	1620	1720	2750	64-36	/	4-42	XL40	23500
3000	3230	3110	3160	42	2500	4890	600	1890	1840	2960	68-36	/	4-42	XL63	28300
3200	3430	3310	3360	44	2650	5220	600	1890	1960	2960	72-36	/	4-42	XL63	32800

DN(mm)	Dx7k41 ^H _X -6														
	D	D1	D2	b	L1	L2	B	B1	H	H1	n-Φ	Z-M	n-d	Hydraulic Station	(kg) Weight
400	535	462	495	28	410	1190	/	960	340	1425	12-23	4-20	2-22	XL6.3	780
450	590	518	550	28	450	1240	/	960	370	1425	12-23	4-20	2-22	XL6.3	850
500	640	568	600	30	520	1312	/	960	400	1425	12-23	4-20	2-26	XL10	1050
600	755	670	705	30	565	1427	/	960	460	1425	16-25	4-22	2-26	XL10	1200
700	860	775	810	32	640	1586	/	1135	540	1665	20-25	4-22	2-30	XL10	1620
800	975	880	920	32	740	1723	/	1135	580	1665	20-30	4-27	2-30	XL16	2080
900	1075	980	1020	34	820	1849	/	1135	630	1665	20-30	4-27	2-30	XL16	2350
1000	1175	1080	1120	36	900	2000	130	1215	690	1870	24-30	4-27	4-30	XL16	2680
1200	1405	1295	1340	40	1070	2265	160	1215	810	1870	28-30	4-30	4-33	XL25	3360
1400	1630	1510	1560	44	1230	2466	180	1215	920	1870	32-36	4-33	4-36	XL25	4060
1600	1830	1710	1760	48	1400	2806	220	1420	1040	2540	40-36	/	4-36	XL25	5800
1800	2045	1920	1970	50	1550	3036	260	1420	1140	2540	44-39	/	4-39	XL40	7560
2000	2265	2125	2180	54	1700	3285	290	1620	1250	2750	48-42	/	4-42	XL40	9850
2200	2475	2335	2390	60	1870	3605	330	1620	1360	2750	48-42	/	4-42	XL40	13600
2400	2685	2545	2600	62	2030	3950	385	1890	1480	2960	56-42	/	4-42	XL40	15530
2600	2905	2750	2810	64	2180	4310	440	1890	1600	2960	60-48	/	4-48	XL63	18820

- Notes: 1. The valve flange sizes according to GB / T 17241.6, GB / T 9113.1 standard production.
 2. The length of the valve structure, size according to GB 12221-89 wafer type butterfly valve produced a long series of standards.
 3. The valve factory, pressure test according to GB / T 13927-92 provisions.

Main external dimension

DN(mm)	Dx7k41 ^H _X -10														
	D	D ₁	D ₂	b	L ₁	L ₂	B	B ₁	H	H ₁	n-Φ	Z-M	n-d	Hydraulic Station	Weight (kg)
250	390	320	350	26	/	930	/	890	/	1350	12-23	/	/	XL4	510
300	440	368	400	28	315	990	/	890	260	1350	12-23	/	2-22	XL4	550
350	500	428	460	28	340	1100	/	890	320	1350	12-23	4-20	2-18	XL4	640
400	565	482	515	30	410	1210	/	960	340	1425	12-25	4-22	2-22	XL6.3	820
450	615	532	565	30	450	1240	/	960	370	1425	16-25	4-22	2-22	XL6.3	900
500	670	585	620	32	520	1312	/	960	400	1425	16-25	4-22	2-26	XL6.3	1100
600	780	685	725	36	565	1427	/	960	460	1425	16-30	4-27	2-26	XL6.3	1300
700	895	800	810	40	640	1586	/	1135	540	1665	20-30	4-27	2-30	XL10	1800
800	1015	905	950	44	740	1723	/	1135	580	1665	20-30	4-30	2-30	XL10	2300
900	1115	1005	1050	46	820	1847	/	1135	630	1665	24-33	4-30	2-30	XL10	2600
1000	1230	1110	1160	50	900	2000	130	1215	690	1870	24-36	4-33	4-30	XL16	3080
1200	1455	1330	1380	56	1070	2265	160	1215	810	1870	28-39	4-36	4-33	XL16	3800
1400	1675	1530	1590	62	1230	2531	180	1215	920	1870	32-42	4-39	4-36	XL16	4800
1600	1915	1750	1820	68	1400	2875	220	1420	1040	2540	36-48	4-45	4=36	XL25	6920
1800	2115	1950	2020	70	1548	3155	260	1420	1140	2540	40-48	4-45	4-39	XL25	9200
2000	2325	2150	2230	74	1700	3342	290	1620	1250	2750	44-48	4-45	4-42	XL40	12200
2200	2550	2370	2440	80	1870	3660	330	1620	1360	2750	48-56	4-52	4-48	XL40	14200
2400	2760	2570	2650	82	2030	4030	385	1890	1480	2960	52-56	4-52	4-48	XL63	16200
2600	2960	2780	2870	88	2180	4410	440	1890	1600	2960	56-56	4-52	4-48	XI60	18900

Notes: 1. The valve flange sizes according to GB / T 17241.6, GB / T 9113.1 standard production.

2. The length of the valve structure, size according to GB 12221-89 wafer type butterfly valve produced a long series of standards.

3. The valve factory, pressure test according to GB / T 13927-92 provisions.

Structural characteristics and purpose:

The valve is a brand-new product designed by our factory and scientific research institution and it has been evaluated and appraised by state-level organizations, representing a kind of reliable apparatus for regulating and switching on/off air, fume, dust and combustible gases. The valve could be combined into valves of different properties with a kind of actuators, characteristic of multiple blades, limited noise, low weight, small operating moment, large flow capacity, ease of operation and cost effectiveness. It is especially suitable for occasions with large orifice, high flow and low differential pressure. The product has found wide applications in such industrial sectors including metallurgy, mining, building material, chemical industry, power plant, etc.

Key properties:

Nominal pressure: 0.1MPa

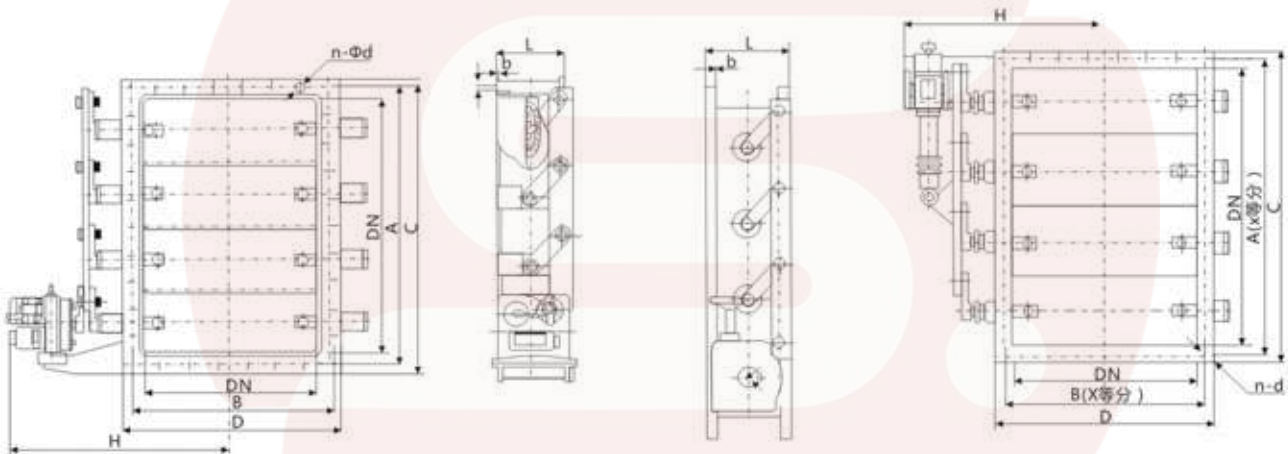
Applicable temperature: -20~300°C

Leak rate: regular type =3% low leak type =1%

Applicable medium: air, fume, dust-containing gas, combustible gas

Power supply voltage: 220V or 380V.AC

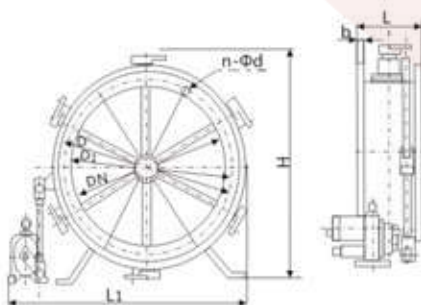
Input signal: 0-10 (4-20) MA.DC or binary signal



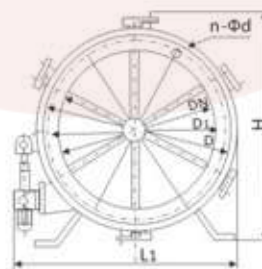
FZKJWDY Electric multi-blade butterfly valve

FSWDY Manual multi-blade butterfly valve

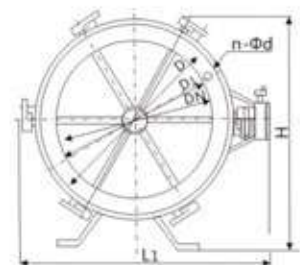
FZDTWDY Electric multi-blade butterfly valve



ZKJJWDY Electric multi-blade butterfly valve



ZDTWDY Electric multi-blade butterfly valve



SWDY Manual multi-blade butterfly valve

External dimensions and connection size:

DN	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
D	640	755	860	975	1075	1175	1375	1575	1790	1990	2190	2405	2605	2805	3030	3230	
D1	600	705	810	920	1020	1120	1320	150	1730	1930	2130	2340	2540	2740	2960	3160	
H	890	1020	1110	1240	1340	1440	1660	1860	2060	2260	2500	2700	2900	3100	3300	3530	
n-Φd	20-Φ22	20-Φ26	24-Φ26	24-Φ30	28-Φ32	32-Φ30	36-Φ30	40-Φ30	44-Φ30	48-Φ30	52-Φ33	56-Φ33	60-Φ33	64-Φ36	68-Φ36		
L	300			350				400				500					
B	18			20				24				28					
Number of leaves	3片Film			5片Film				7片Film		9片Film		11片Film		15片Film			
Weight(kg)	196	210	230	350	490	560	620	810	1010	1600	2050	2300	2500	2900	3100	3400	
ZKJWdy	L1	1100	1210	1380	1480	1580	1675	1895	2145	2345	2545	2745	3125	3325	3525	3740	3940
	With actuator	ZKJ-210		ZKJ-310		ZKJ-410			ZKJ-510			ZKJ-610		ZKJ-710			
ZDTWdy	L1	970	1080	120	1320	1530	1630	1840	2065	2270	2465	2680	2965	3165	3365	3565	3765
	With actuator	DTII10020M		DTII10040M		DTII30050M			DTII50050M			DTII10060M					
Swdy	L1	900	1000	1150	1200	1410	1510	1710	1940	2145	2345	2545	2845	3000	3400	3400	3600
	With actuator	S-01		S-02		S-03			S-04			S-05		S-06			

Note:

1. In addition to combination with said electric actuators, the valve could also be combined with other electric, pneumatic, hydraulic and hydroelectric actuators.
2. For the principle, coil and technical parameters of actuator, please see the " Appendices " .
3. The valve could be custom-made (please specify angle of inclusion if the product is not horizontally installed).
4. The complete frame mass of the valve is body mass + actuator mass.
5. Please specify in contract if any accessories are required (e.g. servo amplifier, electric manipulator, control box, starting point position switch, etc.).
6. Please specify product name, model, specification, input signal and leak rate during ordering.

External dimensions and connection size :

DNxDN	AxB	CxD	H	n-Φd	b	L	Number of leaves	Weight (kg)	FZDTWdy	FZKJWdy	FSWdy												
									Models with motorized faders	Models with motorized faders	Models with manual installation												
500x400	565x465	600x500	507	8-Φ17	14	190		201	DTIII100-20M	0.37KW	ZKJ-210	S-01											
500x500	565x565	600x600	557	20-Φ17				210															
630x400	710x480	750x520	517	20-Φ17	16	210	247	DTIII100-30M					0.37KW	ZKJ-310	S-02								
630x500	710x580	750x620	567	22-Φ17												255							
630x630	710x710	750x750	632	24-Φ17			260																
800x500	880x580	920x620	567	24-Φ17			351																
800x630	880x710	920x620	632	26-Φ19			366																
800x800	880x880	920x920	717	28-Φ19			375																
990x715	1070x795	1110x835	674	28-Φ19	18	250	555	DTIII100-30M					0.55KW	ZKJ-410	S-03								
1000x630	1080x710	1120x750	632	28-Φ19												551							
1000x800	1080x880	1120x920	717	30-Φ19			565																
1000x1000	1080x1080	1120x1120	817	32-Φ19	20	300	640									DTIII100-30M	0.55KW	ZKJ-410	S-03				
1050x800	1330x880	1370x920	717	34-Φ19					680														
1250x1000	1330 x1080	1370x1120	817	36-Φ19	710																		
1250 x1250	1330 x1330	1370x1370	942	40-Φ19	20	300	810		DTIII100-30M	0.75KW	ZKJ-510	S-04											
1500x1500	1595 x1595	1640x1640	1077	48-Φ19																1030			
1600x1000	1695x1095	1740x1140	827	42-Φ19			970																
1600x1250	1695 x1345	1740x1390	995	46-Φ19			996																
1600x1600	1695 x1695	1740x1740	1170	52-Φ19	22	400	1240													DTIII100-40M	0.75KW	ZKJ-610	S-05
1620x1170	1715 x1265	1760x1310	955	44-Φ19																			
2000x1250	2095 x1345	2140x1390	955	52-Φ22	24	400	2360	DTIII100-40M					1.1KW	ZKJ-710	S-06								
2000x1600	2095 x1695	2140x1740	1170	28-Φ22																			
2000x2000	2095 x2095	2140x2140	1370	64-Φ22			3030																
2500x1600	2600 x1700	2650x1750	1175	52-Φ22	24	400	2800									DTIII100-40M	1.1KW	ZKJ-710	S-06				
2500x2000	2600 x2100	2650x2150	1445	72-Φ22																			
2500x2500	2600 x2600	2650x2650	1695	76-Φ22			3640																
3000x2000	3100 x2100	3150x2150	1445	78-Φ22	24	400	3620		DTIII100-40M	1.1KW	ZKJ-710	S-06											
3000x2500	3100 x2600	3150 x2650	1695	84-Φ22																			
3000x3000	3100 x3100	3150x3150	1945	92-Φ22			4150																

Note:

- In addition to combination with said electric actuators, the valve could also be combined with other electric, pneumatic, hydraulic and hydroelectric actuators.
- For the principle, coil and technical parameters of actuator, please see the " Appendices " .
- The valve could be custom-made (please specify angle of inclusion if the product is not horizontally installed).
- The complete frame mass of the valve is body mass + actuator mass.
- Please specify in contract if any accessories are required (e.g. servo amplifier, electric manipulator, control box, starting point position switch, etc.).
- Please specify product name, model, specification, input signal and leak rate during ordering.

External dimensions and connection size :

	A3xB3	A2xB2	b	n-Φd	L	FD9,41-1		FD9,41	FD641	FD341	Weight
						L1	Actuator	Actuator	Actuator	Actuator	
A1xb1	240x200	210x170	10	8-Φ12	140	390	DKJ-210	DtII6320-M	QGBII-D63x120	S-01	85
160x120	280x200	250x120				390					95
200x120	330x200	300x170				390					103
250x120	280x240	250x210				430					101
200x160	330x240	300x210	14	10-Φ12	170	430	DKJ-210	DtII6320-M	QGBII-D63x120	S-01	108
250x160	330x280	300x250				470					110
250x200	400x240	370x210				430					135
320x160	400x280	370x250				470					140
320x200	400x330	370x300	16	12-Φ15	190	520	DKJ-210	DtII6320-M	QGBII-D63x120	S-01	145
320x250	500x300	465x265				470					151
400x200	500x350	465x315				520					159
400x320	500x420	465x385				590					166
500x200	600x300	565x265	18	14-Φ17	210	500	DKJ-310	DtII10020-M	QGBII-D100x160	S-02	175
500x250	600x350	565x315				550					181
500x320	600x420	565x385				620					192
500x400	600x500	565x465				700					201
630x250	750x370	710x330	18	16-Φ17	210	550	DKJ-310	DtII10020-M	QGBII-D100x160	S-02	230
630x320	750x440	710x400				620					238
630x400	750x520	710x400				700					247
630x500	750x620	710x580				800					255
800x320	920x440	880x400	18	18-Φ17	210	620	DKJ-310	DtII10020-M	QGBII-D100x160	S-02	342
800x400	920x520	880x480				700					350
800x500	920x620	800x580				800					351
800x630	920x750	880x710				930					366
1000x320	1120x440	1080x400	18	22-Φ17	250	620	DKJ-410	DtII630-20M	QGBII-D100x160	S-03	513
1000x400	1120x520	1080x480				700					527
1000x500	1120x620	1080x580				880					539
1000x630	1120x750	1080x710				1010					551
1000x800	1120x920	1080x880	20	24-Φ17	250	1180	DKJ-410	DtII630-20M	QGBII-D100x160	S-03	565
1250x400	1370x520	1330x480				700					628
1250x500	1370x620	1330x580				880					643
1250x630	1370x750	1330x710				1010					665
1250x800	1370x920	1330x880	22	26-Φ17	300	1180	DKJ-510	DtII630-50M	QGBII-D130x250	S-04	681
1250x1000	1370x1120	1330x1080				1380					710
1600x500	1740x640	1695x595				940					929
1600x630	1740x770	1695x725				1070					945
1600x800	1740x940	2095x895	24	36-Φ19	300	1240	DKJ-610	DtII1000-30M	QGBII-D250x250	S-05	974
1600x1250	1740x1390	2095x1345				1690					996
2000x800	2140x940	2095x895				1430					1982
2000x1000	2140x1140	2095x1095				1630					2015
2000x1250	2140x1390	2600x1345	28	40-Φ22	400	1880	DKJ-710	DtII10000-40M	QGBII-D200x250	S-06	2088
2500x1600	2140x1740	2600x1695				2230					2210
3000x2000	2650x1400	2600x1350				1880					2360
3000x1600	2650x1750	2600x1700				2230					2800
3000x2000	2650x2150	2600x2100	28	52-Φ22	400	2630	DKJ-710	DtII10000-42M	QGBII-D250x400	S-06	3010
3000x1600	3150x1750	3100x1700				2530					3430
3000x2000	3150x2150	3100x2100				2930					3620
3000x2500	3150x2650	3100x2600				3430					4010

Note:

- In addition to combination with said electric actuators, the valve could also be combined with other electric, pneumatic, hydraulic and hydroelectric actuators.
- For the principle, coil and technical parameters of actuator, please see the "Appendices".
- The valve could be custom-made (please specify angle of inclusion if the product is not horizontally installed).
- The complete frame mass of the valve is body mass + actuator mass.
- Please specify in contract if any accessories are required (e.g. servo amplifier, electric manipulator, control box, starting point position switch, etc.).

Structural characteristics and purpose:

The valve is also called fan-started control valve, which could be combined into valves of different properties with a kind of actuators, characteristic of multiple blades, limited noise, low weight, small operating moment, large flow capacity, ease of operation and cost effectiveness. It is especially suitable for occasions with large orifice, high flow and low differential pressure (inlet/outlet of fans). The product has found wide applications in such industrial sectors including metallurgy, mining, building material, chemical industry, power plant, etc. for ventilation dust, and closing/opening and controlling the air, fume, dust-containing gas, combustible gas on gas pipeline.

Key properties:

Nominal pressure: 0.05Mpa

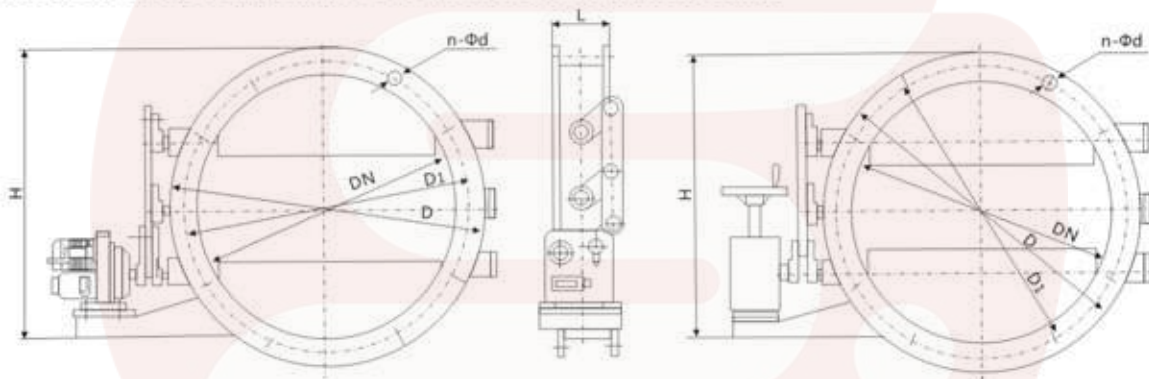
Applicable temperature: $-20\sim 300^{\circ}\text{C}$

Leak rate: regular type =3% low leak type =1%

Applicable medium: air, fume, dust-containing gas, combustible gas

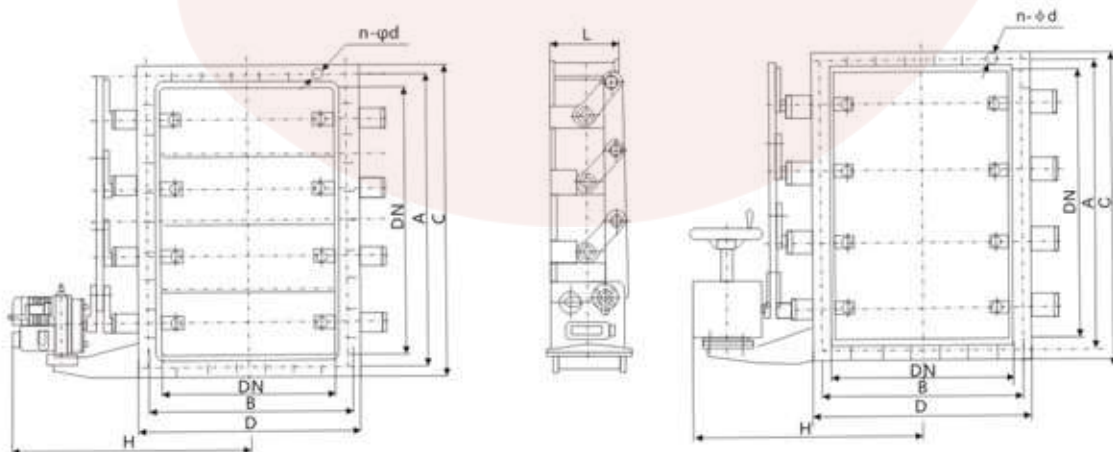
Power supply voltage: 220V or 380V.AC

Model preparation Note: See Appendix - 2 for the model description format



DND electric multi-blade butterfly valve

SBD manual multi-blade butterfly valve



FDBD electric multi-blade butterfly valve

FSBD manual multi-blade butterfly valve

External dimensions and connection size (blower fan valve only) :

DNxDN	CxD	AxB	L	n-Φd	Fans	Machine number	H	FDBD-0.5	FSBD-0.5		
128×92	180×148	160×126	160	14-Φ7	9-19	NO.4	462	DKJ-210	S-01		
144×104	498×160	176×135				NO.4.5	468				
160×115	214×171	192×150				NO.5	476				
179×129	233×185	212×162				NO.5.6	490				
202×145	256×204	236×180				NO.6.3	480				
196×128	250×134	228×165				NO.4	484				
221×144	275×200	252×177			NO.4.5	495					
245×160	299×216	284×192			18-Φ7	9-26	NO.5			585	
174×179	328×235	305×212					NO.5.6			518	
309×202	365×261	340×236					NO.6.3			504	
227×163	293×232	270×204					NO.7.1			514	
256×184	322×253	296×228			180	14-Φ7	9-19			NO.8	526
288×207	354×276	330×252								NO.9	537
320×230	386×299	360×276								NO.10	563
359×258	448×350	415×316	NO.11.2	574							
400×288	489×380	456×344	NO.12.5	604							
448×322	557×448	516×405	NO.14	620							
512×368	621×464	574×400	20-Φ12	9-26			NO.16	628			
348×227	414×296	390×272					NO.7.1	528			
392×256	458×325	432×300					NO.8	543			
441×288	507×357	482×330					NO.9	550			
490×320	556×389	528×356	200	20-Φ10	9-26	NO.10	575				
540×358	638×450	600×410				NO.11.2	605				
613×400	702×492	604×456				NO.12.5	626				
686×448	795×564	747×516				NO.14	662				
784×512	893×628	840×588	160	14-Φ7	9-26	NO.16	759				
256×199	314×254	290×231				NO.4	514				
324×252	382×308	360×284				NO.5	534				
409×315	466×371	443×348				NO.6.3	566				
520×400	632×509	580×462				NO.8	635				
655×504	771×613	728×570				NO.10	687				
815×627	935×737	888×690			NO.12.5	841					
228×196	277×250	256×228			180	18-Φ7	Y5-48	NO.2.8	511		
256×224	300×278	288×256						NO.3.2	528		
288×252	341×306	320×284						NO.3.6	532		
320×280	374×336	355×315	NO.4	554							
360×315	414×371	396×350	160	20-Φ7	4-72	NO.4.5	566				
400×350	456×406	435×385				NO.5	529				
						NO.5	529				

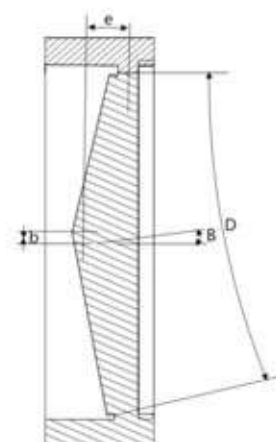
Note:

1. In addition to combination with said electric actuators, the valve could also be combined with other electric, pneumatic, hydraulic and hydroelectric actuators.
2. For the principle, coil and technical parameters of actuator, please see the " Appendices " .
3. The valve could be custom-made (please specify angle of inclusion if the product is not horizontally installed).
4. The complete frame mass of the valve is body mass + actuator mass.
5. Please specify product name, model, specification, input signal and leak rate during ordering.

Three eccentric multi-level hard seal butterfly valve

Uses

The valve system to absorb, digest foreign technology, using three-dimensional eccentric multi-level metal seal structure, applicable to medium temperature = 550 °C metallurgy, electric power, petrochemical, as well as to the drainage pipe for regulating fluid flow and cut off the best device.



Feature

1. butterfly plate seal for the hard and soft layering pieces of metal with a metal seal and flexible seal the dual advantage of both low and high temperature cases, both with excellent sealing performance.
2. using three-dimensional eccentric structure, valve seat and butterfly plate almost no friction, with the more closed more tight sealing function.
3. valve sealing surface, using welding stainless steel, cobalt-based alloy, sealing surface wear resistance and long service life.
4. The structure is unique, the operation nimble, reduces effort, conveniently, the medium pressure high, the low influence, the sealing property not to be unreliable, the service life is long. The usual double eccentric butterfly valve, as b (deviate from the pipe center) and a (deviate from the sealing surface of the centerline) as shown in the aim of reducing valve seat and seal between the friction of approximately 15 ° travel. HPV adds a unique eccentric angle β , slope of the cone not only overcome the valve open and close the seal and the seat all contacts between the friction, thereby increasing the service life, but also through changes in torque can be applied arbitrarily to adjust their seal over pressure, so that more reliable seal and never pass phenomenon occurs.

Standard

Manufacturing Standard	JB/T 8527-97	Flange Standard	GB 9113
Structure the length of the standard GB	GB 12221-89	Test Standard	GB/T 13927-92

Main Performance Specifications

DN	DN(mm)	50 – 2000				50 – 500
PN	PN(MPa)	0.6	1.0	1.6	2.5	4.0
Test Pressure	Strength test	0.9	1.5	2.4	3.75	6.0
	Seal test	0.66	1.1	1.76	2.75	4.4
	Gas seal test	0.6	0.6	0.6	0.6	0.6
Leakage rate	$0.1 \times DN \text{ mm}^3/\text{s}$ (in line with GB/T 13927-92 standard)					
Suitable temperature	Carbon steel: -29°C – 425°C ; chrome molybdenum steel : -40°C – 550°C					
Applicable medium	Air, water, steam, gas, oil and acid, alkali, salt with a weak corrosive media, etc.					
Drive type	Worm worn transmission, electric transmission					

Main components material

Part name	Material	Part name	Material
Body	Carbon steel, stainless steel, chrome molybdenum steel, alloy steel	Stem	2Cr13, 1Cr13 stainless steel, chrome molybdenum steel
Disc	Carbon steel, alloy steel, stainless steel, chrome molybdenum steel	Bearing	Austenitic stainless steel, 304 nitride
Sealing ring	Stainless steel and high temperature asbestos combined into multi-level	packing	Flexible graphite



/SGARIAGROUP

