





NSV®
Industrial Valve Solutions

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Scan Code to Consult

NSV® NSV VALVE

Concentric BFV

Concentric BFV (Concentric Butterfly Valve) is a lightweight, compact flow control valve. It features a simple structure, quick opening and closing, and good sealing performance, widely used for regulating and cutting off fluid in water, HVAC, petroleum and chemical industries.



NSV Valve Series

PRODUCT

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CONCENTRIC BUTTERFLY VALVE





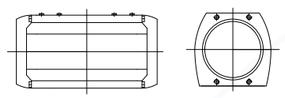


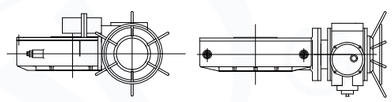
Water works andwater resource projects
Environmental protection, public facilities
Power and public utilities, building industry, petroleum,
chemical
Steel, metallurgy
Paper making industry
Foods, Beverages

Configurable drives







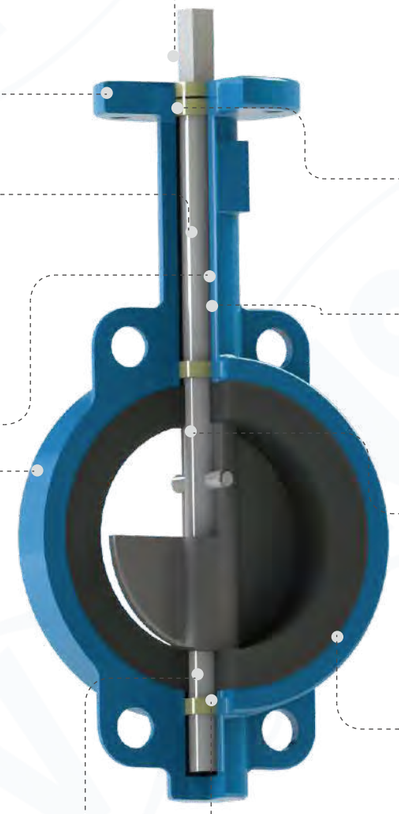


Pneumatic actuators

Electric Actuator

Butterfly valve as used as a shutting-off or throttling unit for petroleum processing, chemicals, food, medicine, textile, paper making, hydroelectricity engineering as well as light industry, etc. It can be installed in any selected position.

Through precise manufacturing, the main parts of this butterfly valve ensure valve's operation in long stable and reliable condition



Driving device Flange
Can be used with handles, gear operators, electric or pneumatic actuators.

Strong precision key
Give possible attachment for manual lever or actuator.

Bushing
Reduce driving torque, support stem, and effectively separate it with the valve body, reduce wear of the stem.

Dust-proof seal

Precision taper pin
Ensure positive vibration proof, stem to disc connection, Easily field replaceable.

Surface of disc axle hole
Through treatment of polishing, precisely fit with seat.

Integral stem design
Ensures dependable and positive disc control

High precision disc etemal profiles
Reach the requirement of bubble-tight, small start and stop torque, longer usage life of seat.

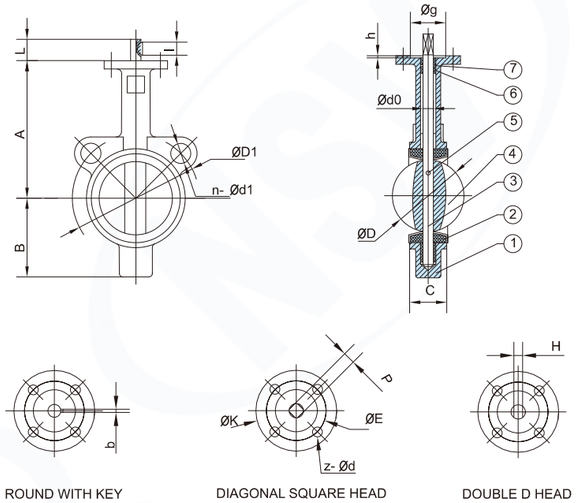
Side seal
With no need of flange gasket.

Stem seal
Stem is not easy to be distorted, eliminating possible leakage in stem.

Backseat
Non-collapsible, stretch-resistant, and leakage proof Easily filed replaceable.



Wafer Butterfly Valve (Two Holes)



ROUND WITH KEY | DIAGONAL SQUARE HEAD | DOUBLE D HEAD

- **Type:** Wafer
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

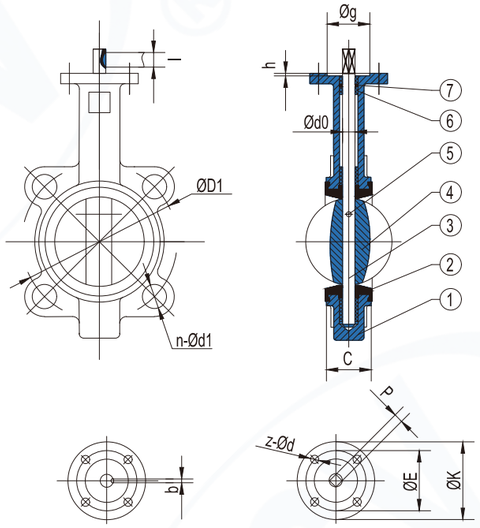
ITEM	PART NAME	MATERIAL
1	Body	Cast Iron,Ductile Iron,Carbon Steel,Stainless Steel
2	Seat	NBR,EPDM,Viton,Neoprene,Hypalon,Silicon
3	Shaft	Stainless Steel416,316,304
4	Disc	Ductile Iron +Ni,CF8,CF8M,Bronze
5	Pin	Stainless Steel
6	Bushing	PTFE,Bronze
7	O Ring	NBR,EPDM

DIMENSIONS:(mm)

SIZE		A	B	C	D	L	d0	P	H	key	UPPER FLANGE					ANSI 150		DIN PN10/16	
in	DN									bxl	K	E	z-d	g	h	D1	n-ød1	D1	n-ød1
2	50	140	80	42	52.6	32	12.6	9	10	3X16	77	50	4-7	35	3	120.5	4-19	125	4-18
2-1/2	65	152	89	44.7	64.5	32	12.6	9	10	3X16	77	50	4-7	35	3	139.5	4-19	145	4-18
3	80	159	95	45.2	78.8	32	12.6	9	10	3X16	77	50	4-7	35	3	152.5	4-19	160	4/8-18
4	100	178	114	52.1	104	32	15.77	11	12	5X19	90	70	4-9	55	3	190.5	8-19	180	8-18
5	125	190	127	54.4	123.3	32	18.92	14	14	5X19	90	70	4-9	55	3	216	8-22	210	8-18
6	150	203	139	55.8	155.6	32	18.92	14	14	5X19	90	70	4-9	55	3	241.5	8-22	240	8-23
8	200	238	175	60.6	202.5	45	22.1	17	17	5X19	125	102	4-12	70	3.5	298.5	8-22	295	8/12-23
10	250	268	203	65.6	250.5	45	28.45	22	22	8X28	125	102	4-12	70	3.5	362	12-25	350/355	12-23/27
12	300	306	242	76.9	301.6	45	31.6	22	24	8X28	125	102	4-12	70	3.5	432	12-25	400/410	12-23/27



Wafer Butterfly Valve



- **Type:** Wafer
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

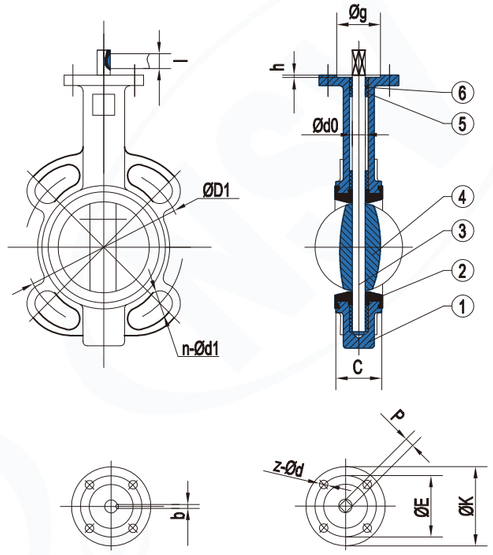
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE/Bronze
7	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4"	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



Wafer Butterfly Valve (As2129)



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

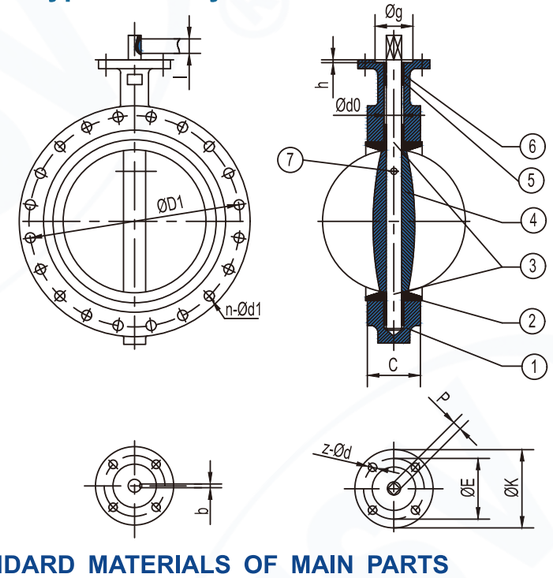
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+NiBronze
5	Bushing	PTFE/Bronze
6	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4″	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



U-Type Butterfly Valve



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

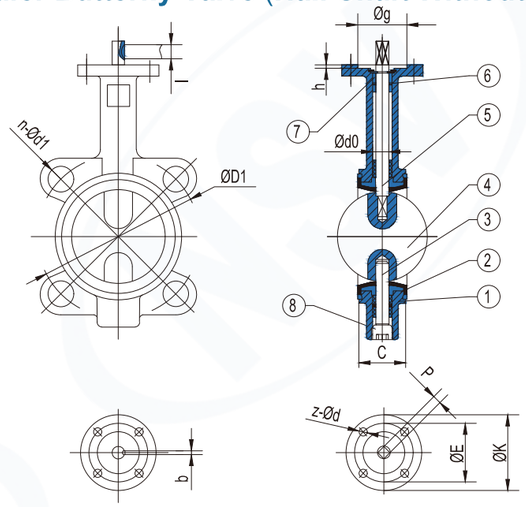
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE/Bronze
7	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16			PN10			ANSI 150		
in	DN										D1	n-Ød1	4-M	D1	n-Ød1	4-M	D1	n-Ød1	4-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18		125	4-18		120.5	4-19	
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18		145	4-18		139.5	4-19	
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18		160	8-18		152.5	4-19	
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18		180	8-18		190.5	8-19	
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18		210	8-18		216	8-22	
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23		240	8-23		241.5	8-22	
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23		295	8-23		298.5	8-22	
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27		350	12-23		362	12-25	
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27		400	12-23		432	12-25	
14	350	76.5	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27		460	16-23		476	12-29	
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30		515	16-27		540	16-29	
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30		565	20-27		578	16-32	
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33		620	20-27		635	20-32	
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36		725	20-30		749.5	20-35	
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	4-M33	840	24-30	4-M27	863.5	28-35	4-11/4″
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39		914	24-33		914.5	28-35	4-11/4″
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	4-M36	950	24-33	4-M30	978	28-41	4-11/2″
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	4-M36	1050	28-33	4-M30	1086	32-41	4-11/2″
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	4-M39	1160	28-36	4-M33	1200	36-41	4-11/2″
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44		1257	32-37		1257.5	36-41	4-11/2″
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	4-M45	1380	32-41	4-M36	1422. 5	40-41	4-11/2″



Wafer Butterfly Valve (Half Shaft Without Pin)



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

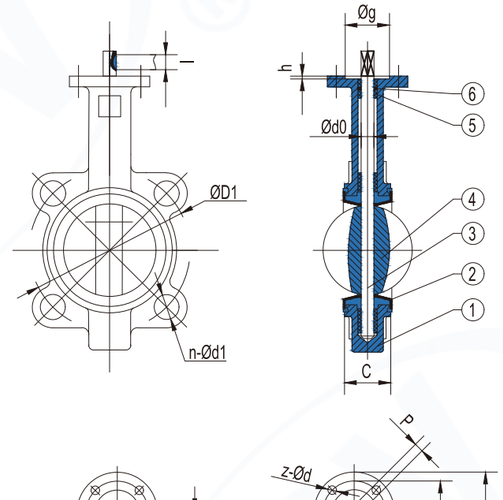
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Lower Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Upper Shaft	SS304/SS316
6	O Ring	NBR/EPDM
7	Bushing	PTFE/Bronze
8	BOLTS	CS

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4"	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



Wafer Butterfly Valve (Throught Shaft Without Pin)



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

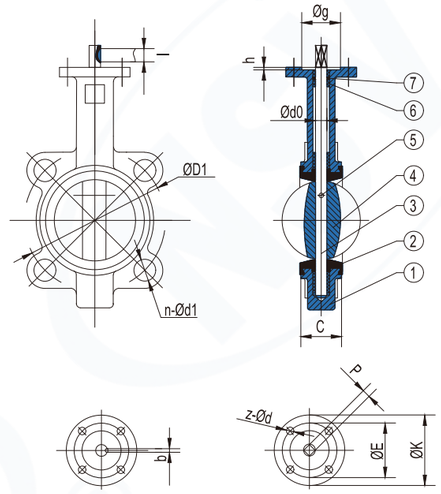
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Bushing	PTFE/Bronze
6	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4"	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



Wafer Butterfly Valve
(Four Holes With Tongue-And-Groove Seat)



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,ISO5752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

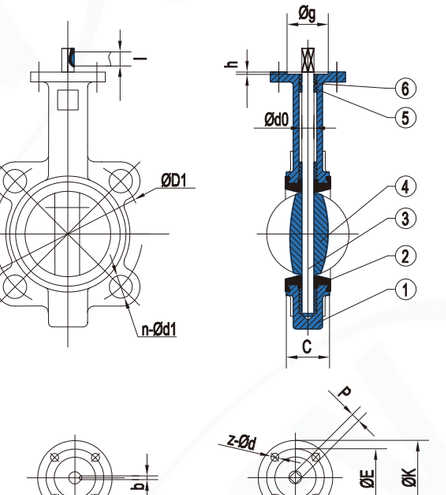
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE/Bronze
7	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4″	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



Wafer Butterfly Valve
(with tongue And Groove Seat Without Pin)



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,ISO5752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Bushing	PTFE/Bronze
6	O Ring	NBR/EPDM

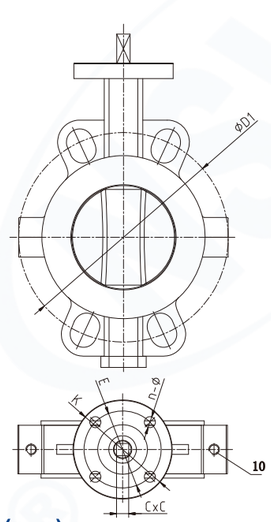
DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4″	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39



- **Type:** Wafer
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

PTFE Coated Butterfly Valve(Wafer Type)



DIMENSIONS:(mm)

SIZE	D1 150LB	D1 PN10	D1 PN16	D1 10K	L	CXC	ISO5211	K	E	n-Ø
DN50	120.7	125	125	120	43	9X9	F07	90	70	50
DN65	139.7	145	145	140	46	9X9	F07	90	70	65
DN80	152.4	160	160	150	46	9X9	F07	90	70	80
DN100	190.5	180	180	175	52	11X11	F07	90	70	100
DN125	215.9	210	210	210	56	14X14	F07	90	70	125
DN150	241.3	240	240	240	56	14X14	F07	90	70	150
DN200	298.5	295	295	290	60	17X17	F10	125	102	200
DN250	362	350	355	355	68	22X22	F10	125	102	250
DN300	431.8	400	410	400	78	22X22	F10	125	102	300

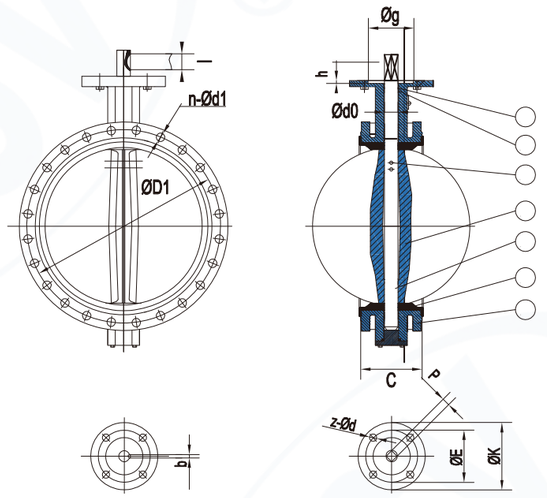
STANDARD MATERIALS OF MAIN PARTS

10	BOLT	SS304	2/4
9	BUSHING	PTFE	1
8	PRESSING SLEEVE	STAINLESS STEEL	2
7	SEAT ENERQIZER	SILICONE	2
6	UP SHAFT	SS410/SS304/SS316	1
5	DISC	CF8M+PTFE	1
4	BUTTERFLY SPRING	SPRING STEEL	8
3	LINER(SEAT)	PTFE	1
2	DOWN SHAFT	SS410	1
1	BODY	CI/DI	2
NO.	NAME	MATERIAL	QTY
TEST PRESSURE	CWP:10 BAR	SHELL	SEAL
	HYDROSTATIC	15BAR	11BAR
	AIR		
STANDARD	DESIGN	AP1609	
	INSPECTION & TEST	API598	
	END STANDARD	EN1092-2 PN6/10/16/AS"D""E"/JIS B2220 10K/ASME B16.5 150LB	
	FACE TO FACE	API609	



- **Type:** Flange
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

Flange Butterfly Valve



STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni
5	Pin	SS304/SS316
6	Bushing	PTFE/Bronze
7	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-Ød1	D1	n-Ød1	D1	n-Ød1	D1	n-Ød1
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-18	125	4-18	120.5	4-19	120	4-19
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-18	145	4-18	139.5	4-19	140	4-19
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-18	160	8-18	152.5	4-19	150	4-19
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-18	180	8-18	190.5	8-19	175	8-19
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-18	210	8-18	216	8-22	210	8-23
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-23	240	8-23	241.5	8-22	240	8-23
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-23	295	8-23	298.5	8-22	290	12-23
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-27	350	12-23	362	12-25	355	12-25
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-27	400	12-23	432	12-25	400	16-25
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-27	460	16-23	476	12-29	445	16-25
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	16-30	515	16-27	540	16-29	510	16-27
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-30	565	20-27	578	16-32	565	20-27
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-33	620	20-27	635	20-32	620	20-27
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	24-36	725	20-30	749.5	20-35	730	24-33
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-36	840	24-30	863.5	28-35	840	24-33
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-39	914	24-33	914.5	28-11/4"	900	24-33
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-39	950	24-33	978	28-41	950	28-33
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-39	1050	28-33	1086	32-41	1050	28-33
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-42	1160	28-36	1200	36-41	1160	28-39
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-44	1257	32-37	1257.5	36-41	1270	28-39
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-50	1380	32-41	1422. 5	40-41	1380	32-39

CONCENTRIC BUTTERFLY VALVE



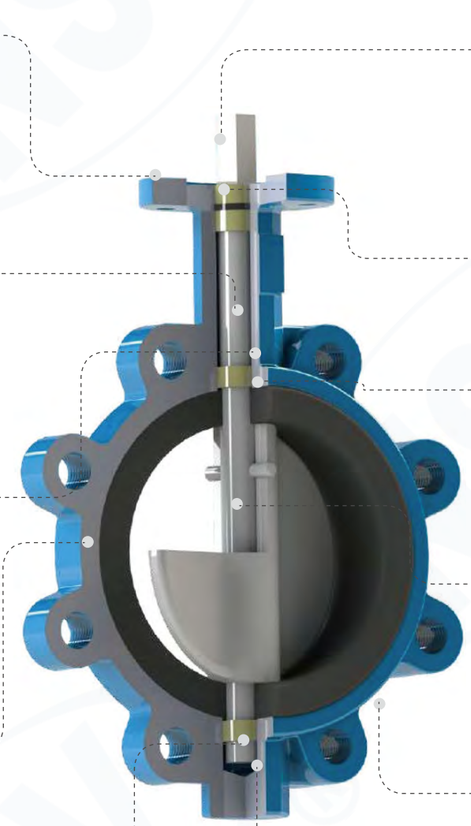




Water works and water resource project
Environment protection
Public facilities
Power and public utilities Building industry
Petroleum, chemical
Steel, metallurgy
Paper making industry
Foods, Beverage

Butterflyvalve as usedas shutting-off or throtting unit for petroleum processing, chemicals, food, medicine, textile, paper making, hydroelecuicity engineering as well as light industry, etc. it canbe installedinanyselected position.

Through precise manufacturing, the main parts of this butterfly valve ensure valve's operation in long stable and reliable condition



Driving device flange
Can be used in handles, gear operators, electric or pneum atic actuators.

Bushing
Reduce driving torque, support stem, and effectively separate it with valve body, reduce wear of stem.

Surface of discaxle hole
Through treatment of polishing, precisely fit with seat.

High precision disc external profiles
Reach the requirement of bubble-tight, small start and stop torque, longer usage life of seat.

Stemseal
Stem is not easy to be distorted, eliminating possible leakage in stem.

Strong precision key
Give possible attachment for manual lever or actuator.

Dust-protect seal

Precisiontaper pin
Ensure positive vibration proof, stem to disc connection, Easily field replaceable.

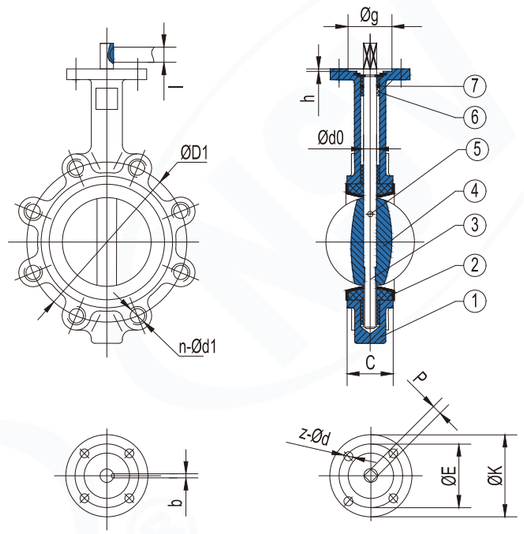
Integralstem design
Ensures dependable and positive disc control

Sideseal
With no need of flange gasket.

Backedseat
Non-collapsible, stretch-resistant and leakage proof. Easily filed replaceable.

Lug Butterfly Valve(Through Shaft With Pin)





- **Type:** Lugged
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

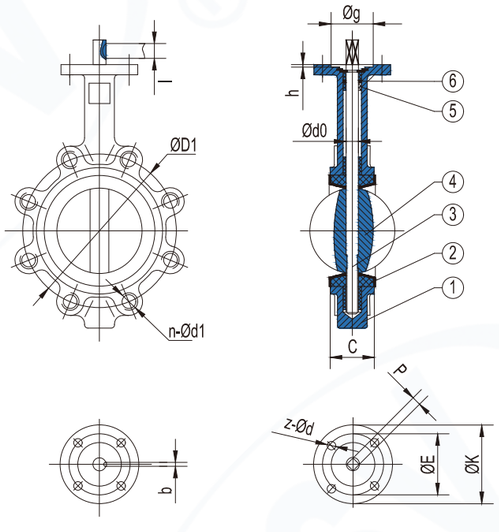
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304/CS
4	Disc	CF8/CF8M/DI+Ni/SS304
5	Pin	SS
6	Bushing	PTFE/Bronze
7	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8″	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8″	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8″	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8″	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4″	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4″	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4″	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8″	355	12-M22
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-M24	400	12-M20	432	12-7/8″	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-M24	460	16-M20	476	12-1″	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1″	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8″	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8″	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4″	730	24-M30
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4″	840	24-M30
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4″	900	24-M30
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-M36	950	24-M30	978	28-11/2″	950	28-M30
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2″	1050	28-M30
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2″	1160	28-M36
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2″	1270	28-M36
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2″	1380	32-M36

Lug Butterfly Valve (Through Shaft Without Pin)





- **Type:** Lugged
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

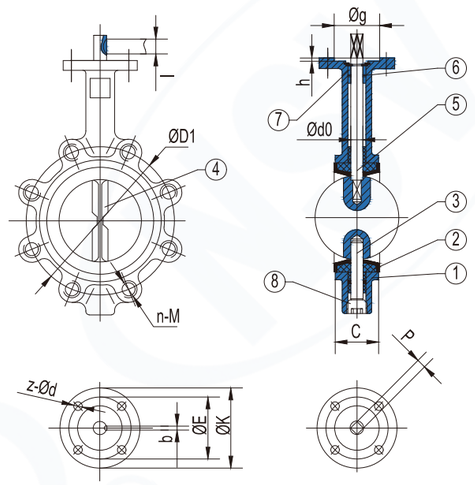
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/PTFENITON/NBR/Hypalon
3	Shaft	SS416/316/304/CS
4	Disc	CF8/CF8M/DI+Ni/SS304
5	Bushing	PTFE/Bronze
6	O Ring	NBR/EPDM

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8″	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8″	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8″	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8″	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4″	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4″	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4″	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8″	355	12-M22
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-M24	400	12-M20	432	12-7/8″	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-M24	460	16-M20	476	12-1″	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1″	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8″	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8″	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4″	730	24-M30
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4″	840	24-M30
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4″	900	24-M30
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-M36	950	24-M30	978	28-11/2″	950	28-M30
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2″	1050	28-M30
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2″	1160	28-M36
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2″	1270	28-M36
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2″	1380	32-M36



Lug Butterfly Valve (Half Shaft Without Pin)



- **Type:** Lugged
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

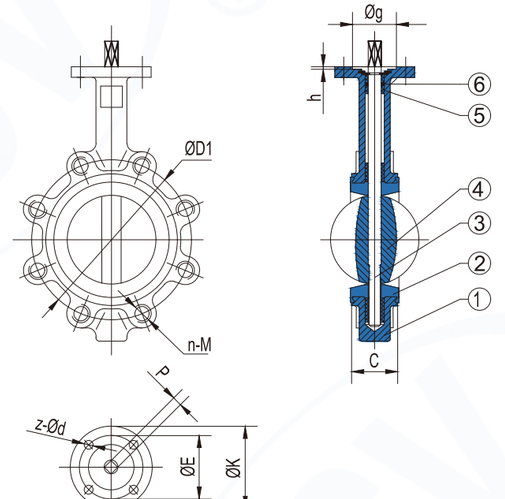
ITEM	PART NAME	MATERIAL
1	Body	CI/DI/CS/SS
2	Seat	EPDM/NBR/PTFE/Viton/Hypalon
3	Lower Shaft	SS416/316/304
4	Disc	CF8/CF8M/DI+Ni/CF8+PTFE/CF8M+PTFE
5	Upper Shaft	SS416,316,304
6	O Ring	NBR/EPDM
7	Bushing	PTFE
8	BOLTS	CS

DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8″	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8″	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8″	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8″	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4″	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4″	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4″	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8″	355	12-M22
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-M24	400	12-M20	432	12-7/8″	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-M24	460	16-M20	476	12-1″	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1″	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8″	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8″	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4″	730	24-M30
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4″	840	24-M30
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4″	900	24-M30
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-M36	950	24-M30	978	28-11/2″	950	28-M30
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2″	1050	28-M30
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2″	1160	28-M36
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2″	1270	28-M36
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2″	1380	32-M36



Lug Butterfly Valve (PTFE Through Shaft Without Pin)



- **Type:** Lugged
- **Face to Face:** API609,BS5155,DIN3202,IS05752
- **Flange:** DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:** ISO5211
- **Working Pressure:** PN16(200PSI)
- **Appliaction:** HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	CI/DI/SS
2	Seat	EPDM/NBR/Viton
3	Shaft	SS416/316/304
4	Disc	DI+NI/CF8/CF8M
5	Bushing	PTFE
6	O Ring	NBR

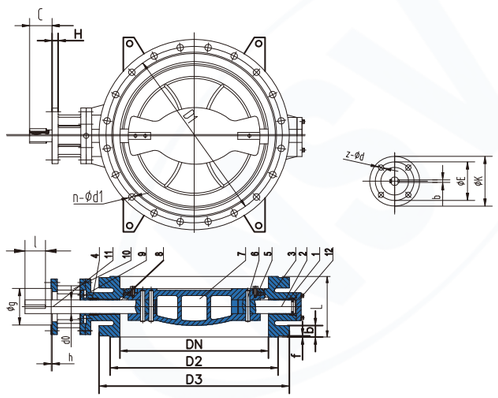
DIMENSIONS:(mm)

SIZE		C	d0	K	E	z-d	g	h	p	bXl	PN16		PN10		ANSI 150		JIS 10K	
in	DN										D1	n-M	D1	n-M	D1	n-M	D1	n-M
2	50	42	12.6	77	50	4-7	35	3	9	3X16	125	4-M16	125	4-M16	120.5	4-5/8″	120	4-M16
2.5	65	44.7	12.6	77	50	4-7	35	3	9	3X16	145	4-M16	145	4-M16	139.5	4-5/8″	140	4-M16
3	80	45.2	12.6	77	50	4-7	35	3	9	3X16	160	8-M16	160	8-M16	152.5	4-5/8″	150	4-M16
4	100	52.1	15.77	90	70	4-9	55	3	11	5X19	180	8-M16	180	8-M16	190.5	8-5/8″	175	8-M16
5	125	54.4	18.92	90	70	4-9	55	3	14	5X19	210	8-M16	210	8-M16	216	8-3/4″	210	8-M20
6	150	55.8	18.92	90	70	4-9	55	3	14	5X19	240	8-M20	240	8-M20	241.5	8-3/4″	240	8-M20
8	200	60.6	22.1	125	102	4-12	70	3.5	17	5X19	295	12-M20	295	8-M20	298.5	8-3/4″	290	12-M20
10	250	65.6	28.45	125	102	4-12	70	3.5	22	8X28	355	12-M24	350	12-M20	362	12-7/8″	355	12-M22
12	300	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	410	12-M24	400	12-M20	432	12-7/8″	400	16-M22
14	350	76.9	31.6	125	102	4-12	70	3. 5	22	8X28	470	16-M24	460	16-M20	476	12-1″	445	16-M22
16	400	86.5	33.15	175	140	4-18	100	4	24	10X50	525	20-M27	515	16-M24	540	16-1″	510	16-M24
18	450	105.6	38	175	140	4-18	100	4	27	10X50	585	20-M27	565	20-M24	578	16-11/8″	565	20-M24
20	500	127	41.15	175	140	4-18	100	4	32	10X50	650	20-M30	620	20-M24	635	20-11/8″	620	20-M24
24	600	152	50.65	210	165	4-23	130	5	36	2-16X60	770	20-M33	725	20-M27	749.5	20-11/4″	730	24-M30
28	700	163	55	300	254	8-18	200	5. 5		2-18X63	840	24-M33	840	24-M27	863.5	24-11/4″	840	24-M30
30	750	165	55	300	254	8-18	200	5. 5		2-18X63	914	24-M36	914	24-M30	914.5	28-11/4″	900	24-M30
32	800	188	55	300	254	8-18	200	5. 5		2-18X63	950	24-M36	950	24-M30	978	28-11/2″	950	28-M30
36	900	203	75	300	254	8-18	200	5. 5		2-20X100	1050	28-M36	1050	28-M30	1086	32-11/2″	1050	28-M30
40	1000	216	85	300	254	8-18	200	5. 5		2-20X100	1170	28-M39	1160	28-M33	1200	36-11/2″	1160	28-M36
42	1050	251	95	300	254	8-18	200	5. 5		2-25X140	1257	32-M39	1257	32-M36	1257.5	36-11/2″	1270	28-M36
48	1200	276	105	350	298	8-23	230	5. 5		2-28X140	1390	32-M45	1380	32-M39	1422. 5	36-11/2″	1380	32-M36



- **Type:**
  Flange
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

Resilient Seated Eccentric Flanged Butterfly Valve



STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Bushing	BRONZE\EPDM
2	Bottom Shaft	SS420
3	Body	GGG50
4	Packing	EPDM
5	Retainer	CS EPOXY COATED
6	Taper Pin	SS416
7	Disc	GGG50
8	Disc Sealing	EPDM
9	Stuffing Flange	GGG50
10	Support	CS
11	Top Shaft	SS420
12	Cover	GGG50
13	All Fasteners	A2-70

DIMENSIONS:(mm)

SIZE		L		PN10						PN16						JIS 10K						ANSI 150				C	d0	Key	UPPER FLANGE			
in	DN	13 Series	14 Series	D1	n-d1	D2	D3	b	f	D1	n-d1	D2	D3	b	f	D1	n-d1	D2	D3	b	f	D1	n-d1	D3	b			b*l	K	E	z-d	g-h
4	100	127	190	180	8-18	156	220	19	3	180	8-19	156	220	19	3	175	8-19	151	210	18	2	190.5	8-19	230	22.3	39	16	5*30	90	70	4-10	55-2
5	125	140	200	210	8-19	184	250	19	3	210	8-19	184	250	19	3	210	8-23	182	250	20	2	216	8-22	255	22.6	45	20	6*35	125	102	4-12	70-3
6	150	140	210	240	8-23	211	285	19	3	240	8-23	211	285	19	3	240	8-23	212	280	22	2	241.5	8-22	280	23.9	45	20	6*35	125	102	4-12	70-3
8	200	152	230	295	8-23	266	340	20	3	295	12-23	266	340	20	3	290	12-23	262	330	22	2	298.5	8-22	345	27	45	25	8*35	125	102	4-12	70-3
10	250	165	250	350	12-23	319	395	22	3	355	12-28	319	405	22	3	355	12-25	324	400	24	2	362	12-25	405	28.6	45	25	8*35	125	102	4-12	70-3
12	300	178	270	400	12-23	370	445	24.5	4	410	12-28	370	460	24.5	4	400	16-25	368	445	24	2	432	12-25	485	30.2	50	30	8*45	175	140	4-18	100-4
14	350	190	290	460	16-23	429	505	24.5	4	470	16-28	429	520	26.5	4	445	16-25	413	490	26	3	476	12-29	535	33.4	50	40	12*45	210	165	4-22	130-5
16	400	216	310	515	16-28	480	565	24.5	4	525	16-31	480	580	28	4	510	16-27	475	560	28	3	540	16-29	595	35	50	45	14*45	210	165	4-22	130-5
18	450	222	330	565	20-28	530	615	25.5	4	585	20-31	548	640	30	4	565	20-27	530	620	30	3	578	16-32	635	38.1	50	45	14*45	210	165	4-22	130-5
20	500	229	350	620	20-28	582	670	26.5	4	650	20-34	609	715	31.5	4	620	20-27	585	675	30	3	635	20-32	700	41.3	70	52	16*60	210	165	4-22	130-5
24	600	267	390	725	20-31	682	780	30	5	770	20-37	720	840	36	5	730	24-33	690	795	32	3	749.5	20-35	815	46.1	90	55	2*16*70	300	254	8-18	200-5
28	700	292	430	840	24-31	794	895	32.5	5	840	24-37	794	910	39.5	5	840	24-33	800	905	34	3	863.5	28-35	925	69.9	90	65	2*18*70	300	254	8-18	200-5
32	800	318	470	950	24-34	901	1015	35	5	950	24-41	901	1025	43	5	950	28-33	905	1020	36	3	978	28-41	1060	79.4	100	70	2*20*80	300	254	8-18	200-5
36	900	330	510	1050	28-34	1001	1115	37.5	5	1050	28-41	1001	1125	46.5	5	1050	28-33	1005	1120	38	3	1086	32-41	1170	88.9	100	80	2*22*80	300	254	8-18	200-5
40	1000	410	550	1160	28-37	1112	1230	40	5	1170	28-44	1112	1255	50	5	1160	28-39	1110	1235	40	3	1200	36-41	1290	88.9	145	92	2*25*130	300	254	8-18	200-5
48	1200	470	630	1380	32-41	1328	1455	45	5	1390	32-50	1328	1485	57	5	1380	32-39	1325	1465	44	3	1422.5	40-41	1510	106.4	145	100	2*28*130	350	298	8-22	230-5

Through precise manufacturing, the main parts of this butterfly valve ensure valve's operation in long stable and reliable condition



Handwheel
Handwheel withtaperedsquare hole, easytoinstallandfasten.

Stem
Cooper stemnut. Good anticorrosion Performance.

Body
Body surface with FEB coated toensure good ageing r esistance &weather resisting p roperty.

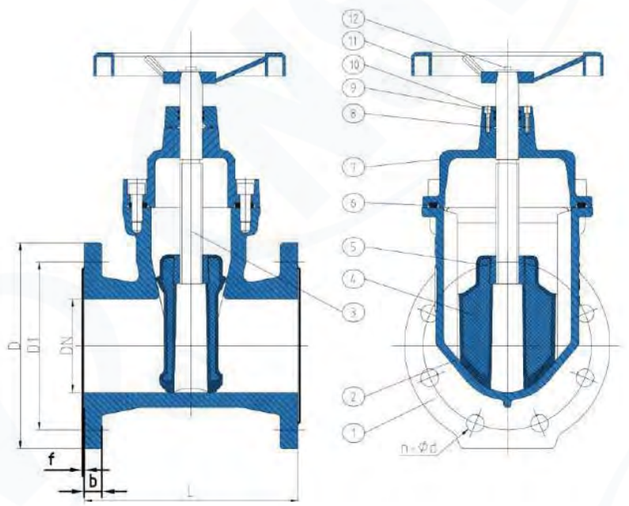
Seat
Embeddedtype seat, safetyand integrated.

Gasket
CompoundGraphite gasket, good performance and long service life.

Bolt
Stemis orientedby half ring a nd double bolt&nuts



Non-Rising Stem Resilient Seated Gate Valve



- **Type:**
  Flange
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

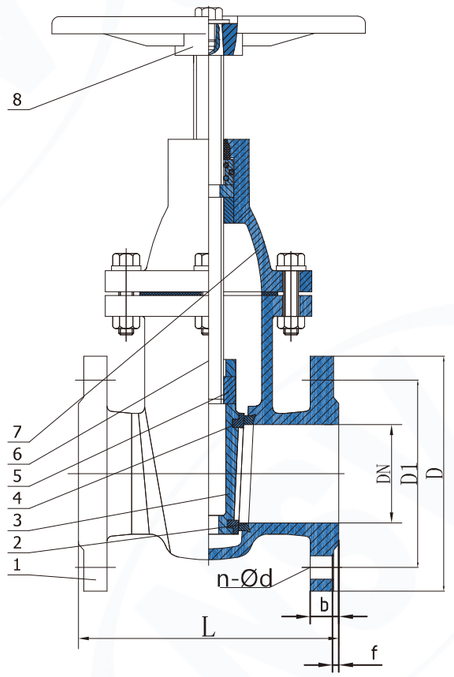
ITEM	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Seat	EPDM
3	Shaft	SS416
4	Disc	Ductile Iron
5	Wedge Nut	Brass
6	Bonnet Gasket	EPDM
7	Bonnet	Ductile Iron
8	Sealing ring	EPDM
9	Socket head screw	A2-70
10	Oring	EPDM
11	Hand Wheel	
12	Stem Nut	A2-70

DIMENSIONS:(mm)

SIZE		L			PN16			PN10			JIS 10K			ANSI 150				b	f
in	DN	F4	F5	BS5163	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	L		
2	50	150	250	178	165	125	4-19	165	125	4-19	155	120	4-19	150	120,5	4-19	178	19	3
2.5	65	170	270	190	185	145	4-19	185	145	4-19	175	140	4-19	180	139,5	4-19	190	19	3
3	80	180	280	203	200	160	8-19	200	160	8-19	185	150	4-19	190	152,5	4-19	203	19	3
4	100	190	300	229	220	180	8-19	220	180	8-19	210	175	8-19	230	190,5	8-19	229	19	3
5	125	200	325	254	250	210	8-19	250	210	8-19	250	210	8-23	255	216	8-22	254	19	3
6	150	210	350	267	285	240	8-23	285	240	8-23	280	240	8-23	280	241,5	8-22	267	19	3
8	200	230	400	292	340	295	12-23	340	295	8-23	330	290	12-23	345	298,5	8-22	292	20	3
10	250	250	450	330	405	355	12-28	395	350	12-23	400	355	12-25	405	362	12-25	330	22	3
12	300	270	500	356	460	410	12-28	445	400	12-23	445	400	16-25	485	432	12-25	356	24,5	4
14	350	290	550	381	520	470	16-28	505	460	16-23	490	445	16-25	535	476	12-29	381	26,5	4
16	400	310	600	406	580	525	16-31	565	515	16-28	560	510	16-27	595	540	16-29	406	28	4
18	450	330	650	432	640	585	20-31	615	565	20-28	620	565	20-27	635	578	16-32	432	30	4
20	500	350	700	457	715	650	20-34	670	620	20-28	675	620	20-27	700	635	20-32	457	31,5	4
24	600	390	800	508	840	770	24-37	780	725	20-31	795	730	24-33	815	749,5	20-35	508	36	5
28	700	430	900	610	910	840	24-37	895	840	24-31	905	840	24-33	925	863,5	28-35	610	39,5	5
32	800	470	1000	660	1025	950	24-41	1015	950	24-34	1020	950	28-33	1060	978	28-41	660	43	5
36	900	510	1100	711	1125	1050	28-41	1115	1050	28-34	1120	1050	28-33	1170	1086	32-41	711	46,5	5
40	1000	550	1200	813	1255	1170	28-44	1230	1160	28-37	1235	1160	28-39	1290	1200	36-41	813	50	5
48	1200	630	-	-	1485	1390	32-50	1455	1380	32-41	1465	1380	32-39	1510	1422.5	40-41	-	57	5



Non-Rising Stem Solid Wedge Gate Valve



- **Type:**
  Flange
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

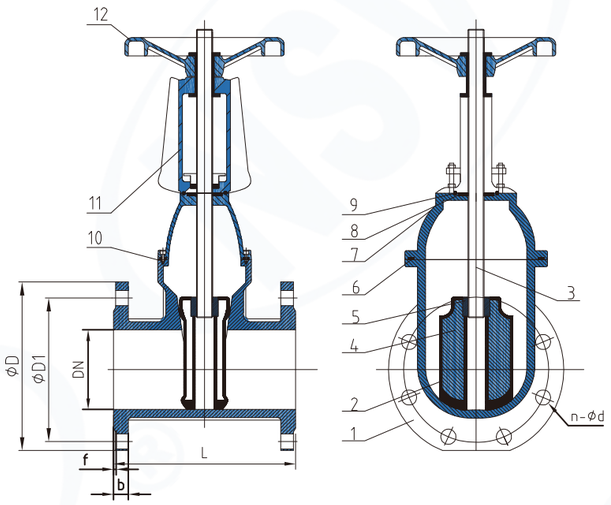
ITEM	PART NAME	MATERIAL
1	Body	CI
2	Body Seat Ring	Brass
3	Disc	DI
4	Wedge Seat Ring	Brass
5	Stem Nut	Brass
6	Stem	Ss420
7	Bonnet	CI
8	Wheel	CI

DIMENSIONS:(mm)

SIZE		L			PN16			PN10			JIS 10K			ANSI 150				b	f
in	DN	F4	F5	BS5163	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	L		
2	50	150	250	178	165	125	4-19	165	125	4-19	155	120	4-19	150	120,5	4-19	178	19	3
2.5	65	170	270	190	185	145	4-19	185	145	4-19	175	140	4-19	180	139,5	4-19	190	19	3
3	80	180	280	203	200	160	8-19	200	160	8-19	185	150	4-19	190	152,5	4-19	203	19	3
4	100	190	300	229	220	180	8-19	220	180	8-19	210	175	8-19	230	190,5	8-19	229	19	3
5	125	200	325	254	250	210	8-19	250	210	8-19	250	210	8-23	255	216	8-22	254	19	3
6	150	210	350	267	285	240	8-23	285	240	8-23	280	240	8-23	280	241,5	8-22	267	19	3
8	200	230	400	292	340	295	12-23	340	295	8-23	330	290	12-23	345	298,5	8-22	292	20	3
10	250	250	450	330	405	355	12-28	395	350	12-23	400	355	12-25	405	362	12-25	330	22	3
12	300	270	500	356	460	410	12-28	445	400	12-23	445	400	16-25	485	432	12-25	356	24,5	4
14	350	290	550	381	520	470	16-28	505	460	16-23	490	445	16-25	535	476	12-29	381	26,5	4
16	400	310	600	406	580	525	16-31	565	515	16-28	560	510	16-27	595	540	16-29	406	28	4
18	450	330	650	432	640	585	20-31	615	565	20-28	620	565	20-27	635	578	16-32	432	30	4
20	500	350	700	457	715	650	20-34	670	620	20-28	675	620	20-27	700	635	20-32	457	31,5	4
24	600	390	800	508	840	770	24-37	780	725	20-31	795	730	24-33	815	749,5	20-35	508	36	5
28	700	430	900	610	910	840	24-37	895	840	24-31	905	840	24-33	925	863,5	28-35	610	39,5	5
32	800	470	1000	660	1025	950	24-41	1015	950	24-34	1020	950	28-33	1060	978	28-41	660	43	5
36	900	510	1100	711	1125	1050	28-41	1115	1050	28-34	1120	1050	28-33	1170	1086	32-41	711	46,5	5
40	1000	550	1200	813	1255	1170	28-44	1230	1160	28-37	1235	1160	28-39	1290	1200	36-41	813	50	5
48	1200	630	-	-	1485	1390	32-50	1455	1380	32-41	1465	1380	32-39	1510	1422.5	40-41	-	57	5



Rising Stem Resilient Seated Gate Valve



- **Type:**
  Flange
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

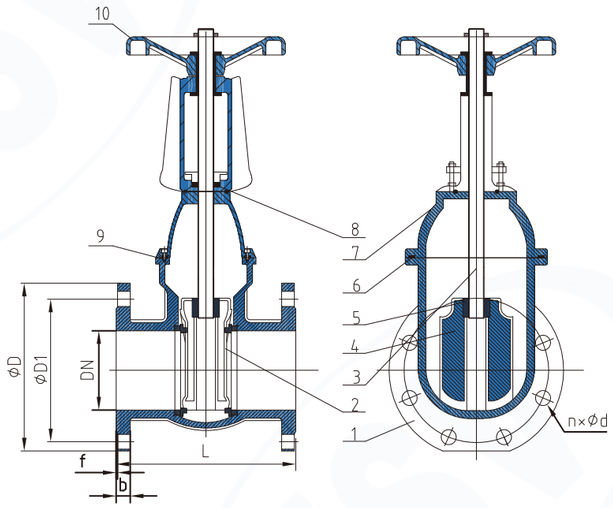
ITEM	PART NAME	MATERIAL
1	Body	Ductile Iron
2	Seat	EPDM
3	Shaft	SS420
4	Disc	Ductile Iron
5	Wedge Nut	Brass
6	Bonnet Gasket	EPDM
7	Bonnet	Ductile Iron
8	Packing	Flexible Graphite
9	Sealing ring	EPDM
10	Socket head screw	SS
11	Yoke	Ductile Iron
12	Hand Wheel	Ductile Iron

DIMENSIONS:(mm)

SIZE		L			PN16			PN10			JIS 10K			ANSI 150				b	f
in	DN	F4	F5	BS5163	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	L		
2	50	150	250	178	165	125	4-19	165	125	4-19	155	120	4-19	150	120,5	4-19	178	19	3
2.5	65	170	270	190	185	145	4-19	185	145	4-19	175	140	4-19	180	139,5	4-19	190	19	3
3	80	180	280	203	200	160	8-19	200	160	8-19	185	150	4-19	190	152,5	4-19	203	19	3
4	100	190	300	229	220	180	8-19	220	180	8-19	210	175	8-19	230	190,5	8-19	229	19	3
5	125	200	325	254	250	210	8-19	250	210	8-19	250	210	8-23	255	216	8-22	254	19	3
6	150	210	350	267	285	240	8-23	285	240	8-23	280	240	8-23	280	241,5	8-22	267	19	3
8	200	230	400	292	340	295	12-23	340	295	8-23	330	290	12-23	345	298,5	8-22	292	20	3
10	250	250	450	330	405	355	12-28	395	350	12-23	400	355	12-25	405	362	12-25	330	22	3
12	300	270	500	356	460	410	12-28	445	400	12-23	445	400	16-25	485	432	12-25	356	24,5	4
14	350	290	550	381	520	470	16-28	505	460	16-23	490	445	16-25	535	476	12-29	381	26,5	4
16	400	310	600	406	580	525	16-31	565	515	16-28	560	510	16-27	595	540	16-29	406	28	4
18	450	330	650	432	640	585	20-31	615	565	20-28	620	565	20-27	635	578	16-32	432	30	4
20	500	350	700	457	715	650	20-34	670	620	20-28	675	620	20-27	700	635	20-32	457	31,5	4
24	600	390	800	508	840	770	24-37	780	725	20-31	795	730	24-33	815	749,5	20-35	508	36	5
28	700	430	900	610	910	840	24-37	895	840	24-31	905	840	24-33	925	863,5	28-35	610	39,5	5
32	800	470	1000	660	1025	950	24-41	1015	950	24-34	1020	950	28-33	1060	978	28-41	660	43	5
36	900	510	1100	711	1125	1050	28-41	1115	1050	28-34	1120	1050	28-33	1170	1086	32-41	711	46,5	5
40	1000	550	1200	813	1255	1170	28-44	1230	1160	28-37	1235	1160	28-39	1290	1200	36-41	813	50	5
48	1200	630	-	-	1485	1390	32-50	1455	1380	32-41	1465	1380	32-39	1510	1422,5	40-41	-	57	5



Rising Stem Solid Wedge Gate Valve



- **Type:**
  Flange
- **Face to Face:**
  API609,BS5155,DIN3202,IS05752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	DI
2	Seat	EPDM
3	Shaft	SS420
4	Disc	DI
5	Nut	Brass
6	Bonnet Gasket	EPDM
7	Bonnet	DI
8	Packing	Flexible Graphite
9	Socket head screw	SS
10	Hand Wheel	DI

DIMENSIONS:(mm)

SIZE		L			PN16			PN10			JIS 10K			ANSI 150				b	f
in	DN	F4	F5	BS5163	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	D	D1	n-Ød	L		
2	50	150	250	178	165	125	4-19	165	125	4-19	155	120	4-19	150	120,5	4-19	178	19	3
2.5	65	170	270	190	185	145	4-19	185	145	4-19	175	140	4-19	180	139,5	4-19	190	19	3
3	80	180	280	203	200	160	8-19	200	160	8-19	185	150	4-19	190	152,5	4-19	203	19	3
4	100	190	300	229	220	180	8-19	220	180	8-19	210	175	8-19	230	190,5	8-19	229	19	3
5	125	200	325	254	250	210	8-19	250	210	8-19	250	210	8-23	255	216	8-22	254	19	3
6	150	210	350	267	285	240	8-23	285	240	8-23	280	240	8-23	280	241,5	8-22	267	19	3
8	200	230	400	292	340	295	12-23	340	295	8-23	330	290	12-23	345	298,5	8-22	292	20	3
10	250	250	450	330	405	355	12-28	395	350	12-23	400	355	12-25	405	362	12-25	330	22	3
12	300	270	500	356	460	410	12-28	445	400	12-23	445	400	16-25	485	432	12-25	356	24,5	4
14	350	290	550	381	520	470	16-28	505	460	16-23	490	445	16-25	535	476	12-29	381	26,5	4
16	400	310	600	406	580	525	16-31	565	515	16-28	560	510	16-27	595	540	16-29	406	28	4
18	450	330	650	432	640	585	20-31	615	565	20-28	620	565	20-27	635	578	16-32	432	30	4
20	500	350	700	457	715	650	20-34	670	620	20-28	675	620	20-27	700	635	20-32	457	31,5	4
24	600	390	800	508	840	770	24-37	780	725	20-31	795	730	24-33	815	749,5	20-35	508	36	5
28	700	430	900	610	910	840	24-37	895	840	24-31	905	840	24-33	925	863,5	28-35	610	39,5	5
32	800	470	1000	660	1025	950	24-41	1015	950	24-34	1020	950	28-33	1060	978	28-41	660	43	5
36	900	510	1100	711	1125	1050	28-41	1115	1050	28-34	1120	1050	28-33	1170	1086	32-41	711	46,5	5
40	1000	550	1200	813	1255	1170	28-44	1230	1160	28-37	1235	1160	28-39	1290	1200	36-41	813	50	5
48	1200	630	-	-	1485	1390	32-50	1455	1380	32-41	1465	1380	32-39	1510	1422,5	40-41	-	57	5

• CHECK VALVE



- 1. Small in size, light in weight, compact in structure, easy in maintenance.
- 2. Two torsion springs are used excreting on each of the pair valve plates, which close the plates quickly and automatically.
- 3. The quick-close action prevents the medium from flowing back and eliminates water hammer effect.
- 4. Short body structure length and good rigidity.
- 5. This valve is tightly sealed, without leakage under the pressure water test.
- 6. Safe and reliable in operation, high interference-resistance.

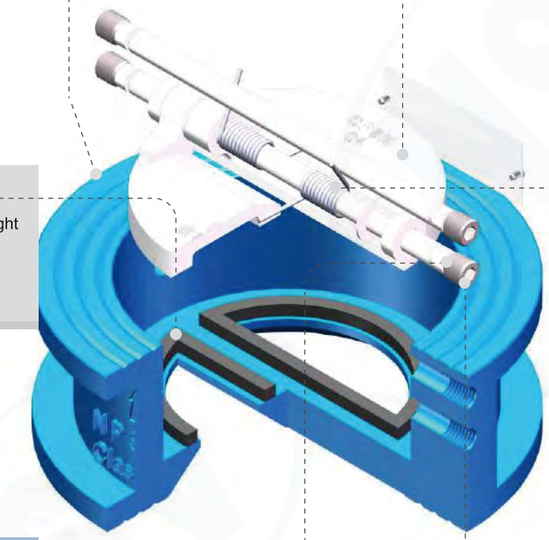


Note: The stem of the valve should be perpendicular to the horizontal level when the valve is mounted on horizontal pipeline. For vertical installation the direction of flow should be downward.

Through precise manufacture, the main parts of check butterfly valve ensure valve's operation in a long stable and reliable and reliable condition.

Body
Short body structure length and good rigidity.

Disc
Adopting unitized design of dual discs and two torsion springs, it can make disc quickly closed itself and remove water-hammer



Rubber seat
It will be cured on body, tight fit and tight seal with no leakage.

Spring
It is possible to install valve on any positing of pipeline under the function of spring with low cost.

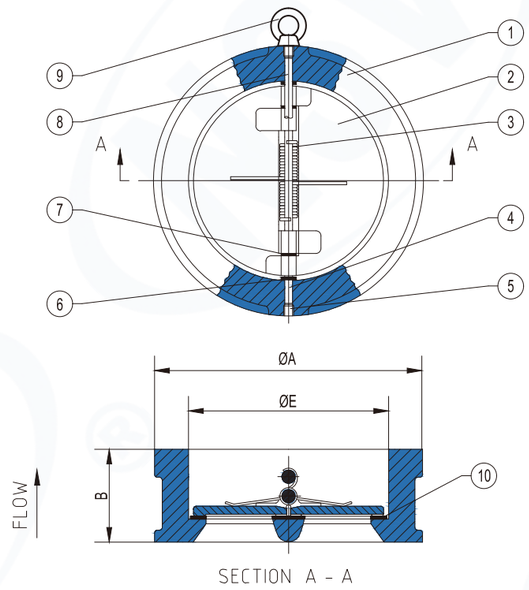
Gasket
It effectively prevents rotating shaft moving and avoid failure of valve function and leakage on shaft end.

Fasten screw
It is possible to regulate fitting clearance using washer and ensure the sealing of disc.



- **Type:**
  Wafer
- **Face to Face:**
  API609,BS5155,DIN3202,ISO5752
- **Flange:**
  DIN,BS,UNI,ISO, ANSI, AS,JIS
- **Mounting Flange:**
  ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

Dual Plate Wafer Check Valve



SECTION A - A

STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	DI,CI
2	Plate	CF8,CF8M,DI+Ni,Bronze
3	Spring	Stainless Steel 416
4	Hinge Pin	Stainless Steel 416
5	Plug	Carbon Steel
6	Body Bearing	PTFE
7	Spring Bearing	PTFE
8	Stop Pin	Stainless Steel 416
9	Eye Bolt	Carbon Steel
10	Body Seat	EPDM,NBR,Vtion,Neoprene

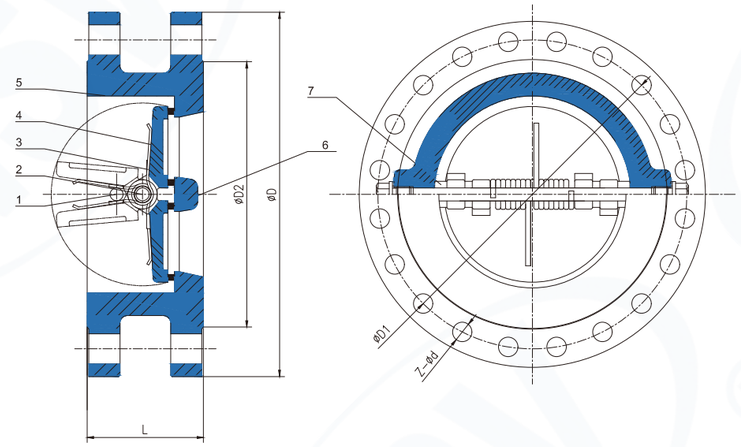
DIMENSIONS:(mm)

SIZE		B	E	A		
in	DN			DIN PN10/16	ANSI 150	JIS 10K
2	50	43	66	107	102	101
2-1/2	65	46	81	127	121	121
3	80	64	95	142	133	131
4	100	64	118	162	171	156
5	125	70	146	192	193	187
6	150	76	171	218	219	217
8	200	89	225	273	276	267
10	250	114	266	328	336	330
12	300	114	311	378/382	406	375
14	350	127	361	438/442	448	420
16	400	140	411	488/495	511	483
18	450	152	451	538/555	546	538
20	500	152	506	592/617	603	593
24	600	178	625	695/734	714	697
28	700	229	721	809	828	807
32	800	241	826	916	936	917



Type:
Flange
Face to Face:
API609,BS5155,DIN3202,ISO5752
Flange:
DIN,BS,UNI,ISO, ANSI, AS,JIS
Mounting Flange:
ISO5211
- **Working Pressure:**
  PN16(200PSI)
- **Appliaction:**
  HVAC,Water Supply&Sewage, Food&Beverage,Chemical/ petrochemical/processing, Power and Uilities,Paper and Pulp,Ship Building.

Dual Plate Flange Check Valve



STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	STOP PIN	Ss304
2	HINGLE PIN	Ss304
3	SPRING	Ss304
4	PL ATE	DI
5	BODY	CI
6	SEAT	EPDM
7	BEARING	PTFE

DIMENSIONS:(mm)

SIZE		L	PN10				PN16			
in	DN		D1	z-d	D2	D	D1	z-d	D2	D
2	50	43	125	4-19	99	165	125	4-19	99	165
2.5"	65	46	145	4-19	118	185	145	4-19	118	185
3	80	64	160	8-19	132	200	160	8-19	132	200
4	100	64	180	8-19	156	220	180	8-19	156	220
5	125	70	210	8-19	184	250	210	8-19	184	250
6	150	76	240	8-23	211	285	240	8-23	211	285
8	200	89	295	8-23	266	340	295	12-23	266	340
10	250	114	350	12-23	319	395	355	12-28	319	405
12	300	114	400	12-23	370	445	410	12-28	370	460
14	350	127	460	16-23	429	505	470	16-28	429	520
16	400	140	515	16-28	480	565	525	16-31	480	580
18	450	152	565	20-28	530	615	585	20-31	548	640
20	500	152	620	20-28	582	670	650	20-34	609	715
24	600	178	725	20-31	682	780	770	20-37	720	840
28	700	229	840	24-31	794	895	840	24-37	794	910
32	800	241	950	24-34	901	1015	950	24-41	901	1025
36	900	241	1050	28-34	1001	1115	1050	28-41	1001	1125
40	1000	300	1160	28-37	1112	1230	1170	28-44	1112	1255