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CATALOG VALVE

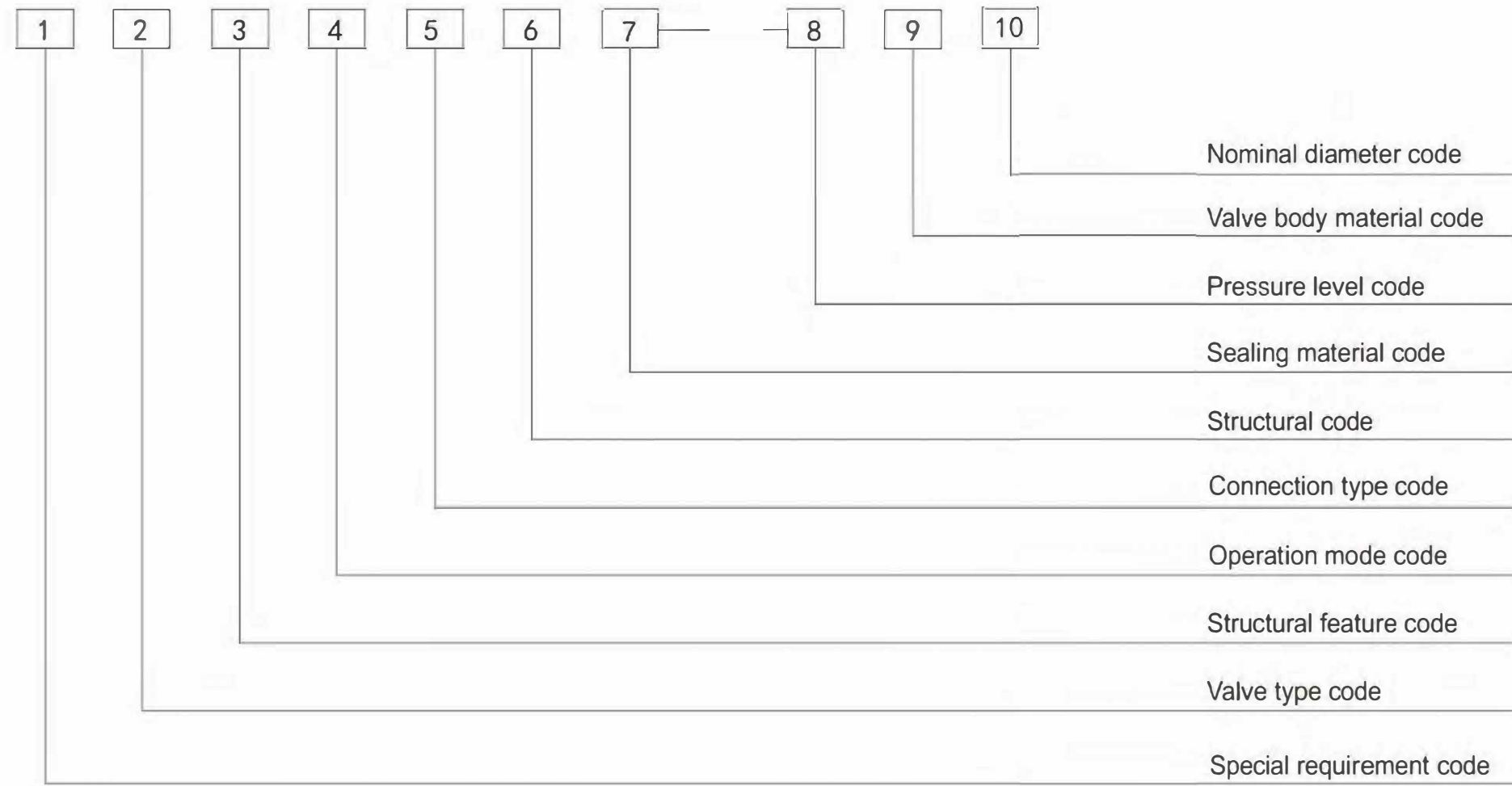
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Valve Selection Guide

Manual



1. Special requirement code

Code name	Meaning	Code name	Meaning	Code name	Meaning
K	Sulfur resistant type	L	Extended rod type	P	Slag discharge type
D	Low temperature type	B	Insulation type	LX	Two-phase flow pattern
w	Bellows type	C	With purge type	NM	Wear-resistant type
F	Fireproof type	Ds	Water seal type	HA	Slow closing

2. Valve type code

Valve type	Code name	Valve type	Code name	Valve type	Code name	Valve type	Code name
gate valve	Z	General ball valve	Q	Throttle valve	L	Y type filter	YG
Water seal gate valve	Zs	Orbital ball valve	Qg	Butterfly valve	D	Basket strainer	LG
Knife gate valve	Zd	Integrated ball valve	Qy	Telescopic butterfly valve	SD	Sampling valve	Y
Check valve	H	Top loading ball valve	Qs	Discharge valve on display	Fs	Slurry valve	LJ
Axial check valve	ZLH	Top mounted ball valve	Qd	Discharge valve shown below	Fx	Two-way pressure surface rotary	SXQ
Cross-flow check valve	GLH	Fully welded ball valve	Qw	Plungerv valve	U	Antibiotic shut-off valve	JK
Butterfly check valve	HE	V-shaped ball valve	Qv	Plug valve	X	Oxygen shut-off valve	Jy
Ball check valve	HQ	Shut-off valve	J	Stop check valve	JH	Oxygen shut-off valve	Jh

3. Structural feature code (applicable to pipeline ball valves, this code is omitted for other valves)

Code name	Meaning	Code name	Meaning
W	Body and cover welded structure	G	Spherical (GWB type) fully welded pipeline ball valve

Valve Selection Guide

4. Operation mode code

Code name	Valve category	Code name	Valve category	Code name	Valve category	Code name	Valve category
3	Worm gear drive	6	Pneumatic (no manual)	6B	Pneumatic	9	Electric
4	Spur gear transmission	6s	Pneumatic with manual	7	Hydraulic	9	Riot-proof electric
5	Bevel gear transmission	6k	Be angry	8	Pneumatic-hydraulic	Omit	Manual

5. Connection form code

Code name	Connection Type	Code name	Connection Type	Code name	Connection Type	Code name	Connection Type
RF	Raised face flange	M	Raised face flange	T	Rod face flange	BW	Butt welding
FM	Concave flange	RJ	Ring connecting flange	G	Grooved flange		
1	Internal thread	8	Clamp connection	7	Clamp connection		
2	External thread	9	Card cover	SW	Socket welding		

Note: The flange and welding end codes are our company's codes. If national standard codes are required, the flange connection code is 4 and the welding end code is 6. When ordering, it is necessary to clarify what type of flange and welding method it is.

6. Structural code

Gate valve

Structure type		Code name	
Open pole	Wedge	Flexible gate valve	0
		Single gate valve	1
	Rigidity		
	Double gate valve	2	
Parallel	Rigidity		
	Single gate valve	3	
	Double gate valve	4	
	Concealed pole		
Wedge	Rigidity		
	Single gate valve	5	
	Double gate valve	6	
	Parallel	Rigidity	
Single gate valve		7	
Double gate valve		8	

Ball valve

Structure type		Code name		
Float	Straight -through		1	
	Y type	Tee type	2	
			L type	4
			T type	5
Fixed				
Straight -through		7		
Four links		6		
L type	Tee type	8		
		T type	9	

Butterfly valve

Structure type	Code name	Structure type	Code name	
Sealing	Center line	Non-tightness	Center line	6
	Double eccentric		Double eccentric	7
	Three eccentricities		Three eccentricities	8
	Linkage		Linkage	9

Globe valve, throttle valve, slurry valve

Structure type	Code name	
Straight-through	1, 2	
Angular	3, 4	
Y type	5	
Balance	Straight-through	6
	Angular	7

Check valve

Structure type	Code name	
Lifting	Straight-through	1
	Vertical	2
	Angular	3
Swing open	Single flap	4
	Multi-petal	5
	Double flap type	6

Cock

Structure type	Code name	
Filler	Straight-through	3
	T-type three-way	4
	Four-way type	5
Oil seal	Straight-through	6
	T-type three-way	7

◆ Valve Selection Guide

Pressure reducing valve

Structure type	Code name
Thin film	1
Spring diaphragm	2
Piston	3
Bellows type	4
Lever type	5

The steam trap

Structure type	Code name
Float type	1
Bimetallic sheet	7
Pulse type	8
Thermodynamic	9

7. Sealing surface material code

Valve seat sealing surface material	Code name	Valve seat sealing surface material	Code name	Valve seat sealing surface material	Code name
Iron-based alloy	H	Monel alloy	M	PTFE+carbon fiber+Cu	FC
PTFE	F	Babbitt	B	PTFE + carbon fiber	FS
Rubber	X	Babbitt	A	304	P
Lined with rubber	J	Copper alloy	T	316	R
Carbide/Stellite alloy	Y	Para polystyrene PPL	FP	Lined with polytetrafluoroethylene (fully lined)	F4
Direct processing of body	W	PolyetheretherketonePEEK	FP	Lined with polyperfluoroethylene (fully lined)	F46
Reinforced PTFE	FR	Molybdenum dragon	FM	Body lining F4/board CF8	F4/P
High temperature polytetrafluoroethylene	FG	Nylon NYLON	N	Body lining F46/board CF8	F46/P

8. Pressure level code: Nominal pressure is expressed in bar, pound level is expressed in actual number.

9. Valve body material code

Valve body material	Code name	Valve body material	Code name	Valve body material	Code name
A105	C1	1Cr5Mo	11	304/0Cr18Ni9	P1
WCB	C2	ZGCr5Mo	12	CF8	P2
LCB	C3	F11	13	1Cr18Ni9Ti	P3
LF1	C4	C5	14	304/00Cr18Ni10	PI1
LCC	C5	WC5	15	CF3	PI2
LF2	C6	WC6	16	316/00Cr18Ni12Mo2Ti	R1
12CrMoV	V1	15CrMo	14	CF8M	R2
15CrMoV	V2	TA2	A	316/00Cr17Ni14Mo2Ti	RI1
F22	V3	Monel alloy	M	CF3M	RI2
WC9	V4	Malleable cast iron	K	Ductile Iron	Q

① For gray cast iron valves with PN ≤ 1.6MPa, this code is omitted;

② For carbon steel valve bodies with PN ≥ 2.5MPa, this code number is omitted;

10. Nominal diameter code: Full diameter is omitted, and S is added after the diameter for reduced diameter valves.

GATE VALVE

01



◆ K101 Non Rising Stem Resilient Seat Gate Valve



1. Integral encapsulation: The valve adopts high-performance rubber and the latest vulcanization technology for overall encapsulation, tight and firm fit, accurate geometric dimensions, reliable sealing and long service life.
2. Resilient seat gate valves are also known for their easy of operation. They typically require a low torque to actuate, allowing for effortless manual or automated operation.
3. Flat-bottomed seat: The bottom adopts the same flat-bottomed seat design as the pipeline, which will not accumulate debris, and the flow path is unobstructed and reliable
4. Corrosion resistance: The inner cavity of the valve is coated by non-toxic epoxy resin powder, and the internal parts are made of copper alloy and stainless steel to prevent corrosion and rust.
5. The three 'O' seals: The stem seal is sealed with an O-ring, with low friction resistance, and the switch is light and water-proof.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
DIN3352 BS5163 AWWA C515	DIN3202 BS5163 ANSI B16.10	EN1092-2 BS4504 ANSI B16.5	EN12266-1	DN50-DN1800

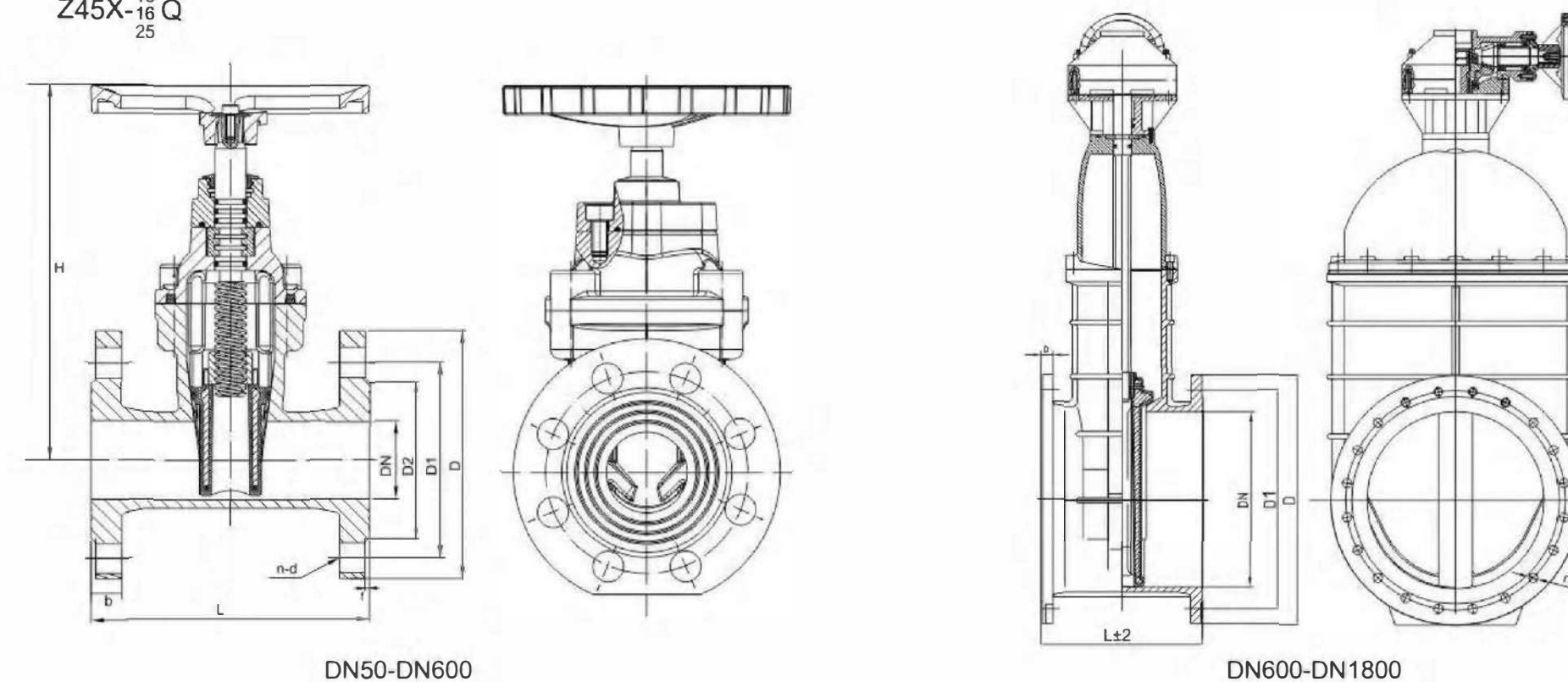
◆ Main parts material

Part Name	Material
Body	GGG50, DI, A536
Bonnet	GGG50, DI, A536
Wedge	DI+NBR, DI+EPDM, DI+Silicone
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Stem Nut	DI, Brass
Gland	GGG50, DI, A536, Brass
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-1800	0~80 °C	Water and Sewage
1.6	2.4	1.76	50-800		
2.5	3.75	2.75	50-400		
150LB	3.0	2.2	50-1000		

◆ K101 BS5163/DIN3352 Resilient Seat Gate Valve

Z45X-10¹⁰/₂₅ Q

Main connection dimensions (PN10)

PN	SIZE		L			D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4	DIN3202 F5							
10	50	2	178	150	250	165	125	99	4-19	19	3	210
	65	2.5	190	170	270	185	145	118	4-19	19	3	235
	80	3	203	180	280	200	160	132	8-19	19	3	255
	100	4	229	190	300	220	180	156	8-19	19	3	280
	125	5	254	200	325	250	210	184	8-19	19	3	320
	150	6	267	210	350	285	240	211	8-23	19	3	370
	200	8	292	230	400	340	295	266	8-23	20	3	480
	250	10	330	250	450	395	350	319	12-23	22	3	600
	300	12	356	270	500	445	400	370	12-23	22	4	680
	350	14	381	290	550	505	460	429	16-23	25	4	820
	400	16	406	310	600	565	515	480	16-28	28	4	850
	450	18	432	330	650	615	565	530	20-28	29	4	950
	500	20	457	350	700	670	620	582	20-28	31	4	1150
	600	24	508	390	800	780	725	682	20-31	33	5	1250
	700	28	610	430	/	895	840	794	24-31	33	5	1450
	800	32	660	470	/	1015	950	901	24-34	35	5	1650
	900	36	711	510	/	1115	1050	1001	28-34	36	5	1850
1000	40	811	550	/	1230	1160	1112	28-37	40	5	2100	
1200	48	1015	630	/	1455	1380	1328	32-40	45	5	2500	
1400	56	1080	710	/	1675	1590	1530	36-43	46	5	2900	
1600	64	1300	790	/	1915	1820	1750	40-49	49	5	3300	
1800	72	1500	870	/	2115	2020	1950	44-49	52	5	3700	

Main Connection Dimensions (PN16)

PN	SIZE		L			D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4	DIN3202 F5							
16	50	2	178	150	250	165	125	99	4-19	19	3	210
	65	2.5	190	170	270	185	145	118	4-19	19	3	235
	80	3	203	180	280	200	160	132	8-19	19	3	255
	100	4	229	190	300	220	180	156	8-19	19	3	280
	125	5	254	200	325	250	210	184	8-19	19	3	320
	150	6	267	210	350	285	240	211	8-23	19	3	370
	200	8	292	230	400	340	295	266	12-23	20	3	480
	250	10	330	250	450	405	355	319	12-28	22	3	600
	300	12	356	270	500	460	410	370	12-28	24	4	680
	350	14	381	290	550	520	470	429	16-28	25	4	820
	400	16	406	310	600	580	525	480	16-31	28	4	850
	450	18	432	330	650	640	585	548	20-31	29	4	950
	500	20	457	350	700	715	650	609	20-34	31	4	1150
	600	24	508	390	800	840	770	720	20-38	33	5	1250
	700	28	610	430	/	910	840	794	24-38	40	5	1450
	800	32	660	470	/	1025	950	901	24-40	43	5	1650
	900	36	711	510	/	1125	1050	1001	28-40	46	5	1850
	1000	40	811	550	/	1255	1170	1112	28-43	50	5	2100
1200	48	1015	630	/	1485	1390	1328	32-49	57	5	2500	
1400	56	1080	710	/	1685	1590	1530	36-49	60	5	2900	
1600	64	1300	790	/	1930	1820	1750	40-56	65	5	3300	
1800	72	1500	870	/	2130	2020	1950	44-56	70	5	3700	

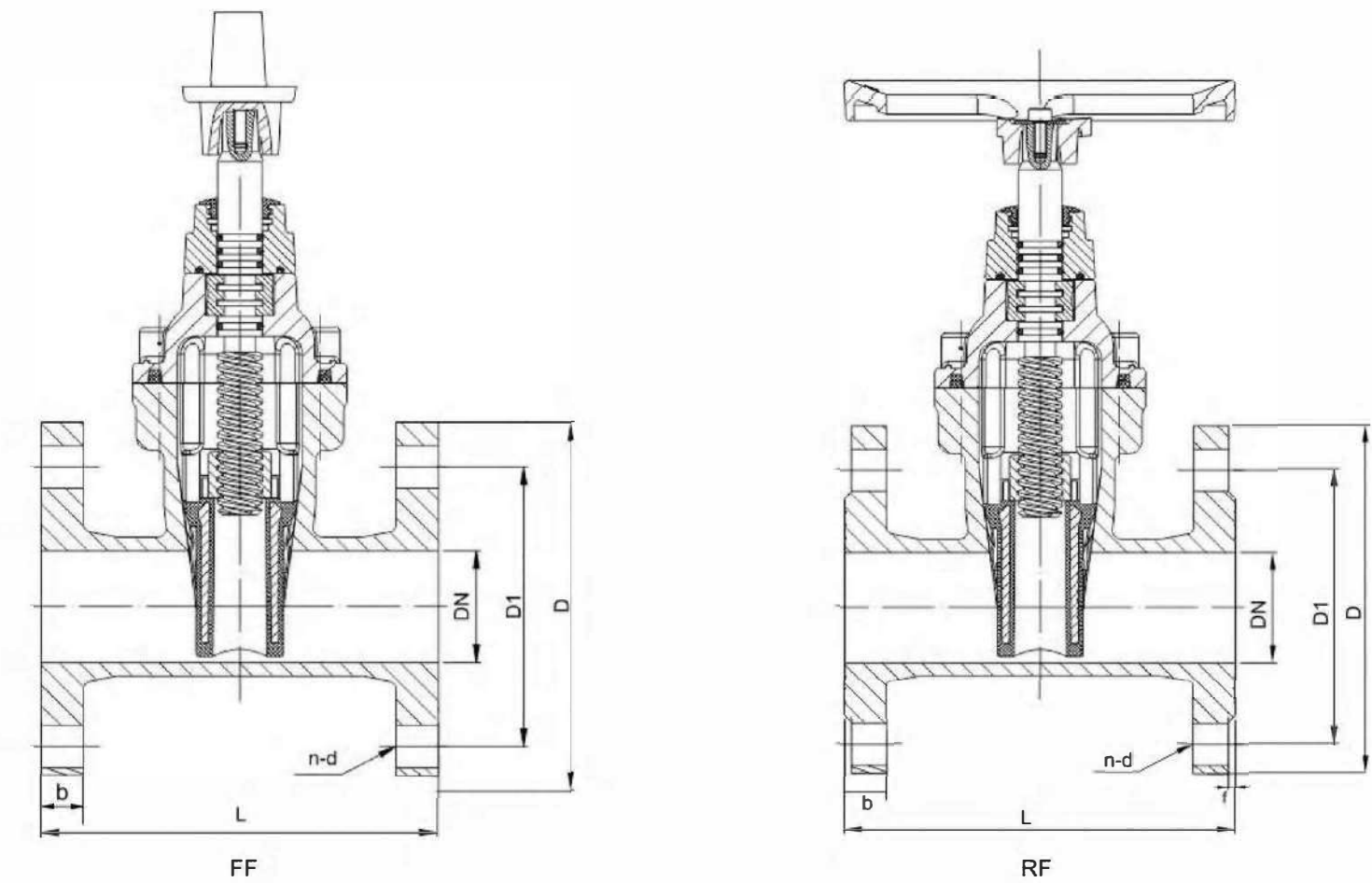
Main connection dimensions (PN25)

PN	SIZE		L			D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4	DIN3202 F5							
25	50	2	178	150	250	165	125	99	4-19	19	3	210
	65	2.5	190	170	270	185	145	118	8-19	19	3	235
	80	3	203	180	280	200	160	132	8-19	19	3	255
	100	4	229	190	300	235	190	156	8-22	19	3	280
	125	5	254	200	325	270	220	184	8-28	24	3	320
	150	6	267	210	350	300	250	211	8-28	24	3	370
	200	8	292	230	400	360	310	274	12-28	24	3	480
	250	10	330	250	450	425	370	330	12-31	27	3	600
	300	12	356	270	500	485	430	389	16-31	27	4	680
	350	14	381	290	550	555	490	448	16-34	30	4	820
	400	16	406	310	600	620	550	503	16-37	33	4	850

H are only for reference, actual dimension may be a little different.

◆ K101 ANSI Resilient Seat Gate Valve

Z45X-^{125LB}/_{150LB}



Main connection dimensions

Class (LB)	SIZE		L	D	D1	n-d	b
	in	mm					
125/150	2"	50	177.8	152	120.7	4-19	15.9
	2.5"	65	190.5	178	139.7	4-19	17.5
	3"	80	203.2	191	152.4	4-19	19.1
	4"	100	228.6	229	190.5	8-19	23.9
	5"	125	254	255	215.9	8-22	23.9
	6"	150	266.7	280	241.3	8-22	25.4
	8"	200	292.1	343	298.5	8-22	28.6
	10"	250	330.2	406	362	12-25	30.2
	12"	300	355.6	485	431.8	12-25	31.8
	14"	350	381	535	476.3	12-29	34.9
	16"	400	406	597	539.8	16-29	36.5
	18"	450	432	635	577.9	16-32	39.7
	20"	500	457.2	700	635	20-32	42.9
	24"	600	508	815	749.3	20-35	47.6
	30"	750	610	985	914.4	28-35	54
36"	900	711	1170	1085.8	32-42	60.3	
42"	1050	811	1346.2	1257.3	36-42	66.7	

◆ K102 Rising Stem Resilient Seat Gate Valve



1. Integral encapsulation: The valve adopts high-performance rubber and the latest vulcanization technology for overall encapsulation, tight and firm fit, accurate geometric dimensions, reliable sealing and long service life.
2. Resilient seat gate valves are also known for their easy of operation. They typically require a low torque to actuate, allowing for effortless manual or automated operation.
3. Flat-bottomed seat: The bottom adopts the same flat-bottomed seat design as the pipeline, which will not accumulate debris, and the flow path is unobstructed and reliable.
4. Corrosion resistance: The inner cavity of the valve is coated by non-toxic epoxy resin powder, and the internal parts are made of copper alloy and stainless steel to prevent corrosion and rust.
5. Rising Stem: The stem of this gate valve rises and lowers as the valve is rated, providing a visual indicator of the valve's position. When the valve is open, the stem is extended, and when it's closed, the stem is retracted.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
DIN3352 BS5163 AWWA C515	DIN3202 BS5163 ANSI B16.10	EN1092-2 BS4504 ANSI B16.5	EN12266-1	DN50-DN1800

◆ Main Parts Material

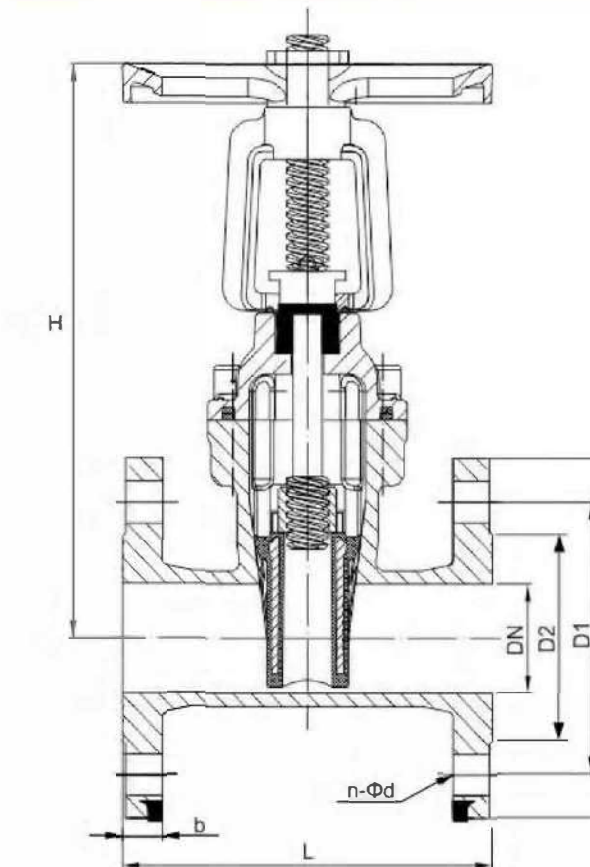
Part Name	Material
Body	GGG50, DI, A536
Bonnet	GGG50, DI, A536
Wedge	DI+NBR, DI+EPDM, DI+Silicone
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Stem Nut	DI, Brass
Yoke	GGG50, DI, A536
Operate	Handwheel, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-800	0~80 °C	Water and Sewage
1.6	2.4	1.76	50-800		
2.5	3.75	2.75	50-400		
150LB	3.0	2.2	50-800		

◆ K102 BS/DIN Rising Stem Resilient Seat Gate Valve

Z41X-¹⁰/₁₆ Q₂₅



Main connection dimensions (PN10)

PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
10	50	2	178	150	165	125	99	4-19	19	3	290
	65	2.5	190	170	185	145	118	4-19	19	3	325
	80	3	203	180	200	160	132	8-19	19	3	365
	100	4	229	190	220	180	156	8-19	19	3	425
	125	5	254	200	250	210	184	8-19	19	3	510
	150	6	267	210	285	240	211	8-23	19	3	580
	200	8	292	230	340	295	266	8-23	20	3	740
	250	10	330	250	395	350	319	12-23	22	3	895
	300	12	356	270	445	400	370	12-23	22	4	1055
	350	14	381	290	505	460	429	16-23	25	4	1170
	400	16	406	310	565	515	480	16-28	28	4	1350
	450	18	432	330	615	565	548	20-28	29	4	1350
	500	20	457	350	670	620	609	20-28	31	4	1740
	600	24	508	390	780	725	720	20-31	33	5	1740
	700	28	610	430	895	840	794	24-31	33	5	2150
	800	32	660	470	1015	950	901	24-34	35	5	2450
900	36	711	510	1115	1050	1001	28-34	36	5	2800	
1000	40	811	550	1230	1160	1112	28-37	40	5	3150	

Main connection dimensions (PN16)

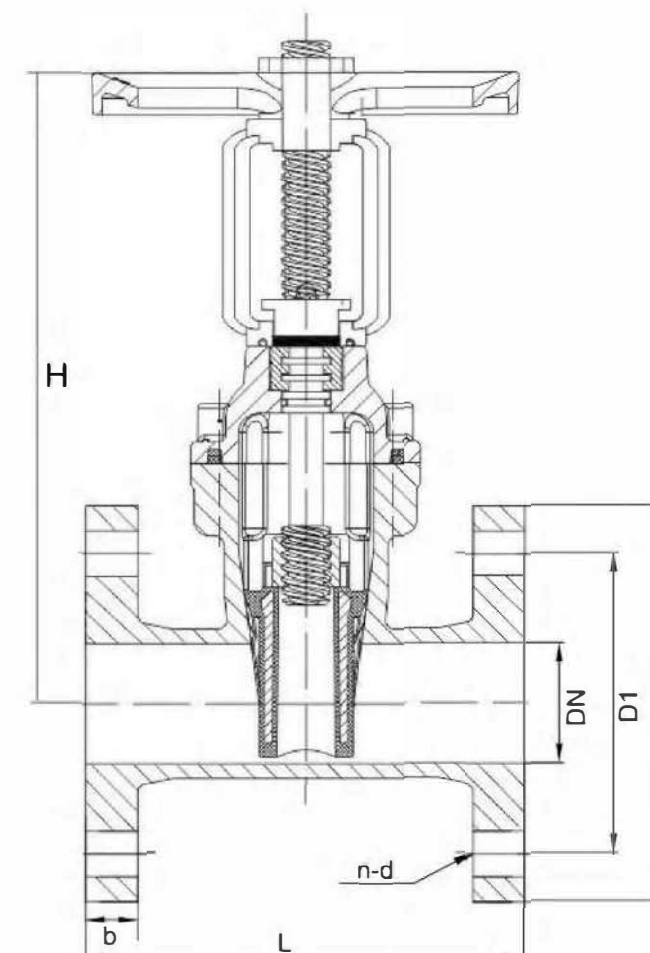
PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
16	50	2	178	150	165	125	99	4-19	19	3	290
	65	2.5	190	170	185	145	118	4-19	19	3	325
	80	3	203	180	200	160	132	8-19	19	3	365
	100	4	229	190	220	180	156	8-19	19	3	425
	125	5	254	200	250	210	184	8-19	19	3	510
	150	6	267	210	285	240	211	8-23	19	3	580
	200	8	292	230	340	295	266	12-23	20	3	740
	250	10	330	250	405	355	319	12-28	22	3	895
	300	12	356	270	460	410	370	12-28	24	4	1055
	350	14	381	290	520	470	429	16-28	25	4	1170
	400	16	406	310	580	525	480	16-31	28	4	1350
	450	18	432	330	640	585	548	20-31	29	4	1350
	500	20	457	350	715	650	609	20-34	31	4	1740
	600	24	508	390	840	770	720	20-38	33	5	1740
	700	28	610	430	910	840	794	24-38	40	5	2150
	800	32	660	470	1025	950	901	24-40	43	5	2450
900	36	711	510	1125	1050	1001	28-40	46	5	2800	
1000	40	811	550	1255	1170	1112	28-43	50	5	3150	

Main connection dimensions (PN25)

PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
25	50	2	178	150	165	125	99	4-19	19	3	290
	65	2.5	190	170	185	145	118	8-19	19	3	325
	80	3	203	180	200	160	132	8-19	19	3	365
	100	4	229	190	235	190	156	8-23	19	3	425
	125	5	254	200	270	220	184	8-28	24	3	510
	150	6	267	210	300	250	211	8-28	24	3	580
	200	8	292	230	360	310	274	12-28	24	3	740
	250	10	330	250	425	370	330	12-31	27	3	895
	300	12	356	270	485	430	389	16-31	27	4	1055
	350	14	381	290	555	490	448	16-34	30	4	1170
	400	16	406	310	620	550	503	16-37	33	4	1350

H are only for reference, actual dimension may be a little different.

◆ K102 ANSI OS&Y Resilient Seat Gate Valve

Z41X-125LB
150LB

Main connection dimensions

Class (LB)	SIZE		L	D	D1	n-d	b	H
	in	mm						
125/150	2"	50	177.8	152	120.5	4-19	15.9	290
	2.5"	65	190.5	178	139.5	4-19	17.5	325
	3"	80	203.2	191	152.5	4-19	19.1	365
	4"	100	228.6	229	190.5	8-19	23.9	425
	5"	125	254	254	216	8-22	23.9	510
	6"	150	266.7	279	241.5	8-22	25.4	580
	8"	200	292.1	343	298.5	8-22	28.6	740
	10"	250	330.2	406	362	12-25	30.2	895
	12"	300	355.6	485	432	12-25	31.8	1055
	14"	350	381	533	476.5	12-29	34.9	1170
	16"	400	406	597	539.8	16-29	36.5	1350
	18"	450	432	635	578	16-32	39.7	1350
	20"	500	457.2	700	635	20-32	42.9	1740
	24"	600	508	813	749.5	20-35	47.6	1740
	30"	750	610	985	914.5	28-35	54	2350
	36"	900	711	1170	1085.8	32-42	60.3	2890
42"	1050	811	1346.2	1257.3	36-42	66.7	3250	

H are only for reference, actual dimension may be a little different.

◆ K103 Ductile Iron Metal Seat Gate Valve



Metal seat ductile iron gate valve is a kind of valve that is widely used in oil and steam pipelines such as petrochemical industry and thermal power plants as an opening and closing device to connect or cut off the medium in the pipeline. This kind of valve has compact structure, reasonable design, good valve rigidity, smooth passage and small flow resistance coefficient. This type of valve is light and flexible in operation; the sealing surface is made of stainless steel and carbide, with long service life; the driving methods include manual, electric, pneumatic and gear transmission.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
DIN3352 BS5163 AWWA C515	DIN3202 BS5163 ANSI B16.10	EN1092-2 BS4504 ANSI B16.5	EN12266-1	DN50-DN600

◆ Main Parts Material

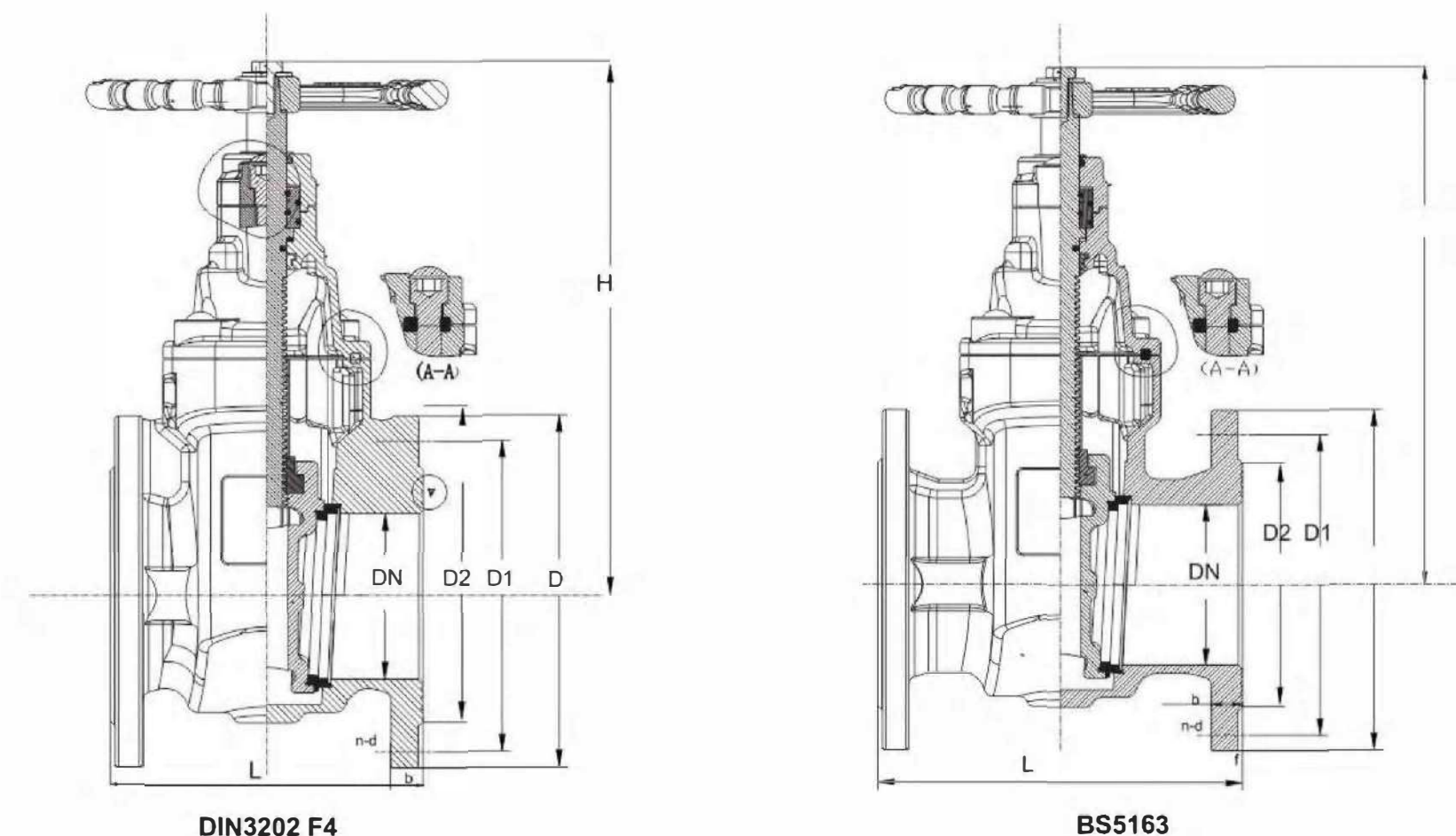
Part Name	Material
Body	GGG50, DI, A536
Body seat	Bronze, Brass, SS304
Bonnet	GGG50, DI, A536
Wedge	GGG50, DI, A536
Wedge seal	Bronze, Brass, SS304
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Stem Nut	DI, Brass
Gland	GGG50, DI, A536
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic Actuators

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-600	0~200℃	Water and Sewage
1.6	2.4	1.76			
150LB	3.0	2.2			

◆ K103 NRS Metal Seat Gate Valve

Z45T-¹⁰/₁₆/₂₅ Q



Main connection dimensions (PN10)

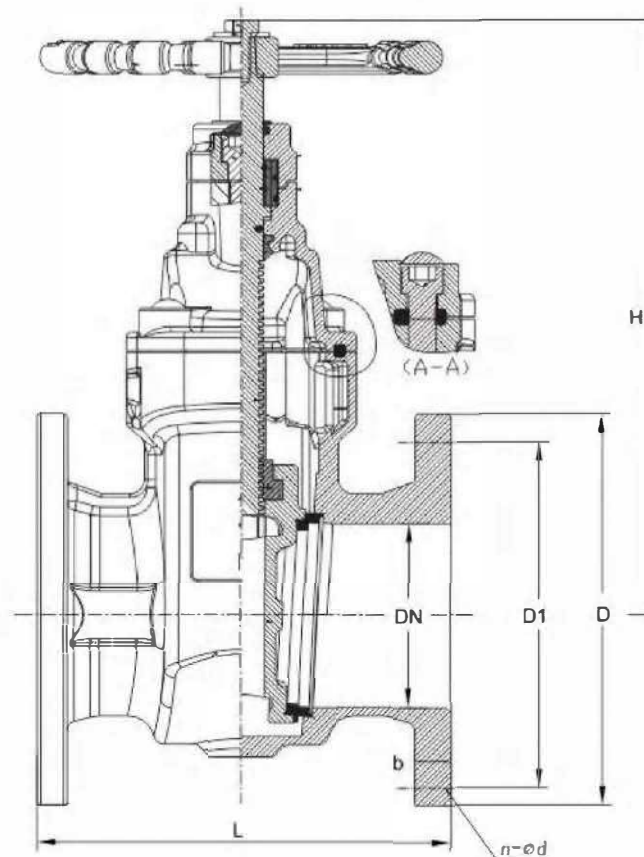
PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
10	50	2	178	150	165	125	99	4-19	19	3	245
	65	2.5	190	170	185	145	118	4-19	19	3	268
	80	3	203	180	200	160	132	8-19	19	3	290
	100	4	229	190	220	180	156	8-19	19	3	315
	125	5	254	200	250	210	184	8-19	19	3	370
	150	6	267	210	285	240	211	8-23	19	3	410
	200	8	292	230	340	295	266	8-23	20	3	495
	250	10	330	250	395	350	319	12-23	22	3	628
	300	12	356	270	445	400	370	12-23	25	4	680
	350	14	381	290	505	460	429	16-23	27	4	751
	400	16	406	310	565	515	480	16-28	28	4	940
	450	18	432	330	615	565	530	20-28	30	4	1020
500	20	457	350	670	620	582	20-28	32	4	1125	
600	24	508	390	780	725	682	20-31	36	5	1290	

Main connection dimensions (PN16)

PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
16	50	2	178	150	165	125	99	4-19	19	3	245
	65	2.5	190	170	185	145	118	4-19	19	3	268
	80	3	203	180	200	160	132	8-19	19	3	290
	100	4	229	190	220	180	156	8-19	19	3	315
	125	5	254	200	250	210	184	8-19	19	3	370
	150	6	267	210	285	240	211	8-23	19	3	410
	200	8	292	230	340	295	266	8-23	20	3	495
	250	10	330	250	405	355	319	12-23	22	3	628
	300	12	356	270	460	410	370	12-23	22	4	680
	350	14	381	290	520	470	429	16-23	25	4	751
	400	16	406	310	580	525	480	16-28	28	4	940
	450	18	432	330	640	585	548	20-28	30	4	1020
500	20	457	350	715	650	609	20-28	32	4	1125	
600	24	508	390	840	770	720	20-31	36	5	1290	

◆ K103 ANSI NRS Metal Seat Gate Valve

Z45T-125LB
150LB



Main connection dimensions

Class (LB)	SIZE		L	D	D1	n-d	b	H
	DN	in						
125/150	50	2	177.8	152	120.5	4-19	16	245
	65	2.5	190.5	178	139.5	4-19	18	268
	80	3	203.2	191	152.5	4-19	19	290
	100	4	228.6	229	190.5	8-19	24	315
	125	5	254	250	216	8-22	24	370
	150	6	266.7	279	241.5	8-22	26	410
	200	8	292.1	343	298.5	8-22	28	495
	250	10	330.2	406	362	12-26	30	628
	300	12	355.6	483	432	12-26	32	680
	350	14	381	533	476.5	12-30	35	751
	400	16	406	597	539.5	16-30	37	940
	450	18	432	635	578	16-33	40	1020
500	20	457.2	699	635	20-33	43	1125	
600	24	508	813	749.5	20-33	48	1290	

H are only for reference, actual dimension may be a little different.

◆ K104 Ductile Iron Rising Stem Metal Seat Gate Valve



Metal seat ductile iron gate valve is a kind of valve that is widely used in oil and steam pipelines such as petrochemical industry and thermal power plants as an opening and closing device to connect or cut off the medium in the pipeline. This kind of valve has compact structure, reasonable design, good valve rigidity, smooth passage and small flow resistance coefficient. This type of valve is light and flexible in operation; the sealing surface is made of stainless steel and carbide, with long service life; the driving methods include manual, electric, pneumatic and gear transmission.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
DIN3352 BS5163 AWWA C515	DIN3202 BS5163 ANSI B16.10	EN1092-2 BS4504 ANSI B16.5	EN12266-1	DN50-DN600

◆ Main Parts Material

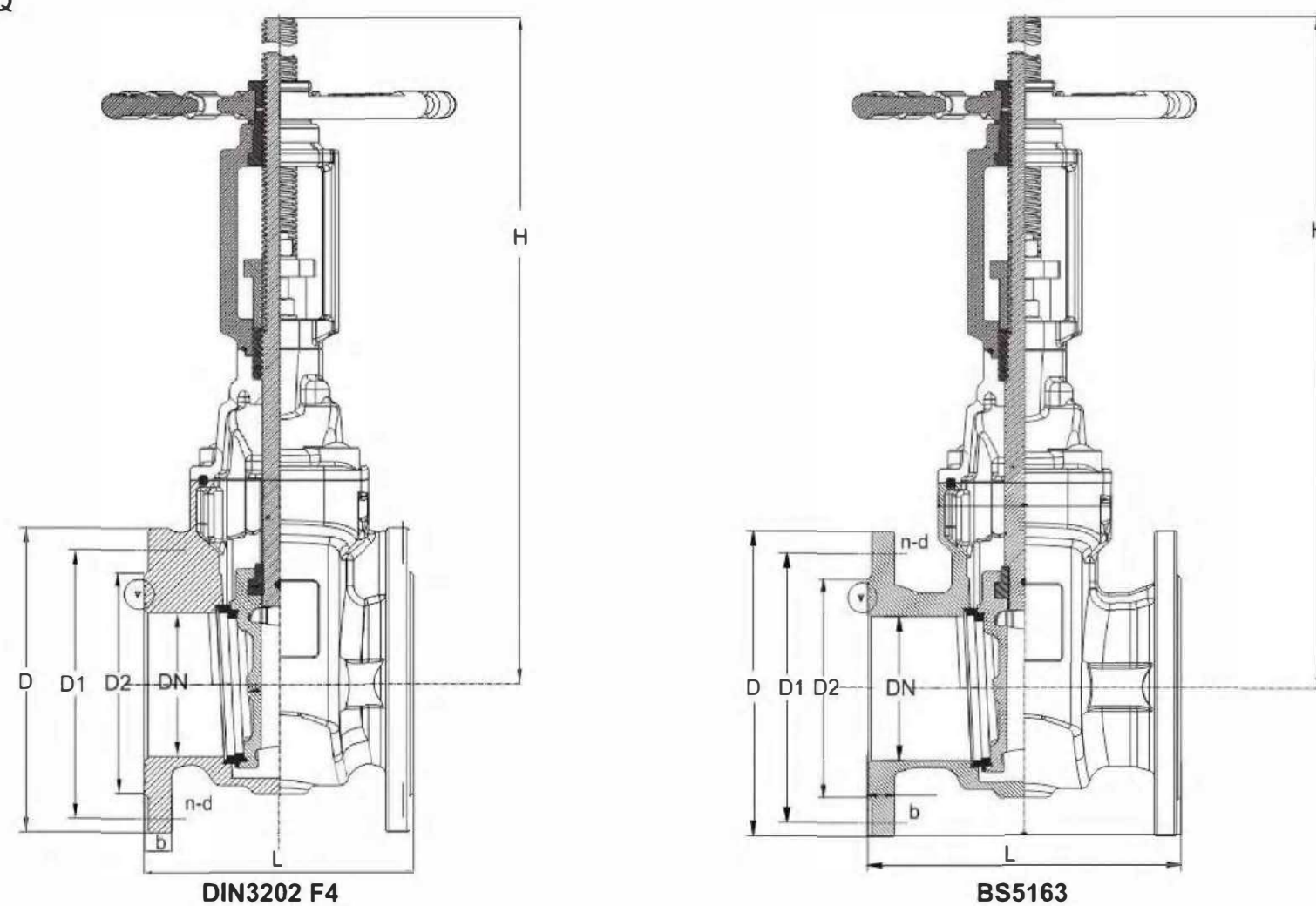
Part Name	Material
Body	GGG50, DI, A536
Body seat	Bronze, Brass, SS304
Bonnet	GGG50, DI, A536
Wedge	GGG50, DI, A536
Wedge seal	Bronze, Brass, SS304
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Stem Nut	DI, Brass
Yoke	GGG50, DI, A536
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic Actuators

Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-600	0~200°C	Water and Sewage
1.6	2.4	1.76			
150LB	3.0	2.2			

K104 Ductile Iron Rising Stem Metal Seat Gate Valve

Z41T-¹⁰/₁₆Q



Main connection dimensions (PN10)

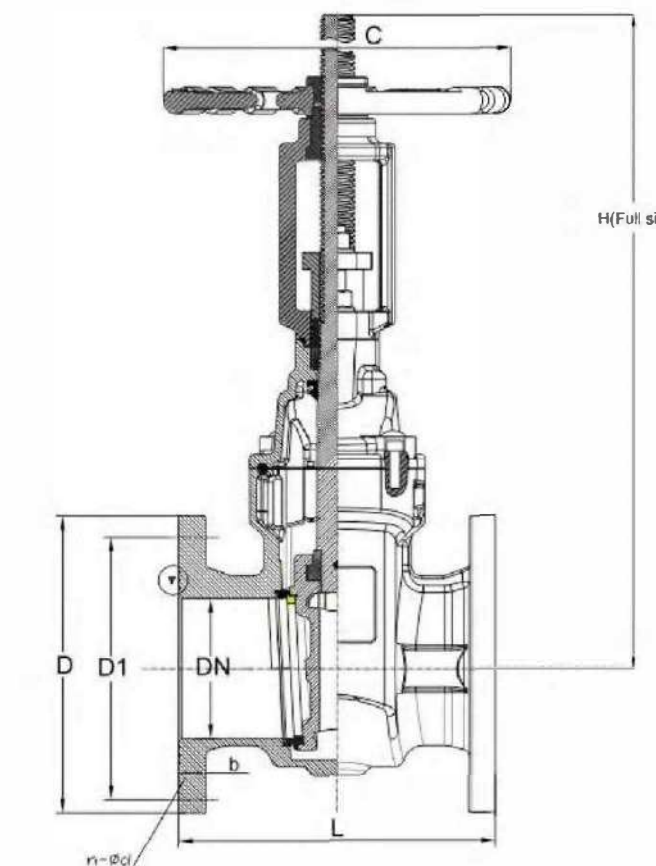
PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
10	50	2	178	150	165	125	99	4-19	19	3	380
	65	2.5	190	170	185	145	118	4-19	19	3	414
	80	3	203	180	200	160	132	8-19	19	3	468
	100	4	229	190	220	180	156	8-19	19	3	548
	125	5	254	200	250	210	184	8-19	19	3	709
	150	6	267	210	285	240	211	8-23	19	3	749
	200	8	292	230	340	295	266	8-23	20	3	934
	250	10	330	250	405	350	319	12-23	22	3	1138
	300	12	356	270	460	400	370	12-23	22	4	1324
	350	14	381	290	520	460	429	16-23	25	4	1219
	400	16	406	310	580	515	480	16-28	28	4	1380
	450	18	432	330	640	565	530	20-28	30	4	1530
500	20	457	350	715	620	582	20-28	32	4	1705	
600	24	508	390	840	725	682	20-31	36	5	1955	

Main connection dimensions (PN16)

PN	SIZE		L		D	D1	D2	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4							
16	50	2	178	150	165	125	99	4-19	19	3	380
	65	2.5	190	170	185	145	118	4-19	19	3	414
	80	3	203	180	200	160	132	8-19	19	3	468
	100	4	229	190	220	180	156	8-19	19	3	548
	125	5	254	200	250	210	184	8-19	19	3	709
	150	6	267	210	285	240	211	8-23	19	3	749
	200	8	292	230	340	295	266	8-23	20	3	934
	250	10	330	250	405	355	319	12-23	22	3	1138
	300	12	356	270	460	410	370	12-23	22	4	1324
	350	14	381	290	520	470	429	16-23	25	4	1219
	400	16	406	310	580	525	480	16-28	28	4	1380
	450	18	432	330	640	585	548	20-28	30	4	1530
500	20	457	350	715	650	609	20-28	32	4	1705	
600	24	508	390	840	770	720	20-31	36	5	1955	

K104 ANSI Ductile Iron Rising Stem Metal Seat Gate Valve

Z41T-^{125LB}/_{150LB}



Main connection dimensions

Class (LB)	SIZE		L	D	D1	n-d	b	H
	DN	in						
125/150	50	2	177.8	152	120.5	4-19	16	380
	65	2.5	190.5	178	139.5	4-19	18	414
	80	3	203.2	191	152.5	4-19	19	468
	100	4	228.6	229	190.5	8-19	24	548
	125	5	254	250	216	8-22	24	709
	150	6	266.7	279	241.5	8-22	26	749
	200	8	292.1	343	298.5	8-22	28	934
	250	10	330.2	406	362	12-26	30	1138
	300	12	355.6	483	432	12-26	32	1324
	350	14	381	533	476.5	12-30	35	1219
	400	16	406	597	539.5	16-30	37	1380
	450	18	432	635	578	16-33	40	1530
500	20	457.2	699	635	20-33	43	1705	
600	24	508	813	749.5	20-33	48	1955	

H are only for reference, actual dimension may be a little different.

◆ K105/K106 Cast Iron Metal Seat Gate Valve



K105
NRS Metal Seat Gate Valve



K106
Rising Stem Metal Seat Gate Valve

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
DIN3352 BS5163 AWWA C515 JIS F7366	DIN3202 BS5163 ANSI B16.10	EN1092-2 BS4504 ASME B16.1 JIS 10K	EN12266-1 API598	DN40-DN300

◆ Main Parts Material

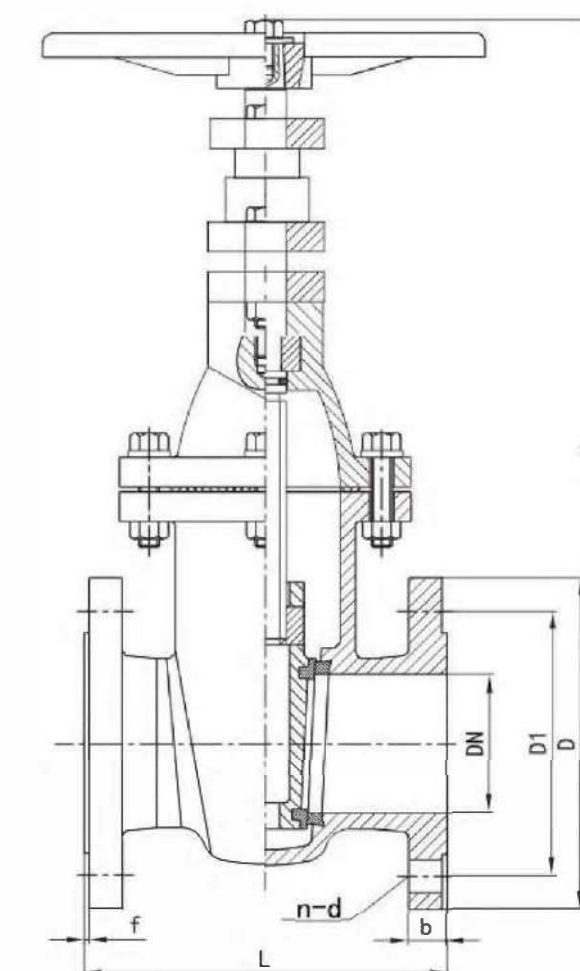
Part Name	Body	Bonnet	Wedge	Seal	Stem	Stem Nut
Material	GG25 CI	GG25 CI	GG25 CI	Bronze Brass SS304	CS SS304 SS316 SS420	DI Brass
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic Actuators					

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Shell	Seal			
PN10	1.5	1.1	DN40-300	0~200°C	Water, Source Water, Sewage, Oil
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

◆ K105 NRS Cast Iron Metal Seat Gate Valve

Z45T-¹⁰/₁₆-¹⁵⁰/_{10K}Z



Main connection dimensions (PN10/PN16)

PN	SIZE		L		D	D1	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4						
PN10	40	1.5	165	140	150	110	4-19	18	3	214
	50	2	178	150	165	125	4-19	20	3	232
	65	2.5	190	170	185	145	4-19	20	3	258
	80	3	203	180	200	160	8-19	22	3	281
	100	4	229	190	220	180	8-19	24	3	315
	125	5	254	200	250	210	8-19	26	3	358
	150	6	267	210	285	240	8-23	26	3	408
	200	8	292	230	340	295	8-23	30	3	500
PN16	250	10	330	250	395	350	12-23	32	3	372
	300	12	356	270	445	400	12-23	32	4	662
	40	1.5	165	140	150	110	4-19	18	3	214
	50	2	178	150	165	125	4-19	20	3	232
	65	2.5	190	170	185	145	4-19	20	3	258
	80	3	203	180	200	160	8-19	22	3	281
	100	4	229	190	220	180	8-19	24	3	315
	125	5	254	200	250	210	8-19	26	3	358
PN16	150	6	267	210	285	240	8-23	26	3	408
	200	8	292	230	340	295	12-23	30	3	500
	250	10	330	250	405	355	12-28	32	3	372
	300	12	356	270	460	410	12-28	32	4	662

H are only for reference, actual dimension may be a little different.

Main connection dimensions (125/150LB)

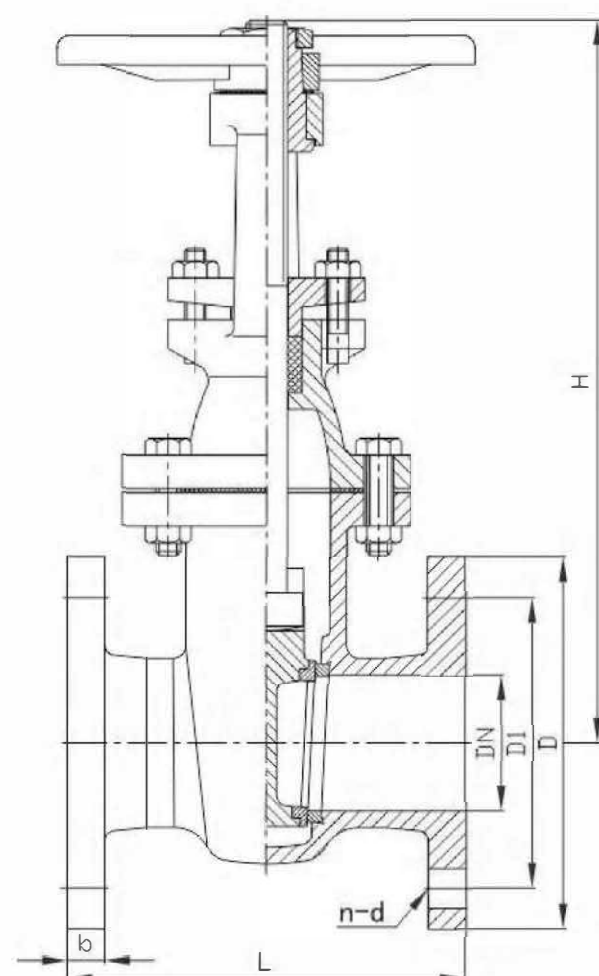
Class (LB)	SIZE		L	D	D1	n-d	b	H
	DN	in						
125/150	40	1.5	165	127	98.5	4-15	15.9	256
	50	2	177.8	152	120.5	4-19	15.9	274
	65	2.5	190.5	190	152.5	4-19	17.5	303
	80	3	203.2	229	190.5	8-19	19.1	331
	100	4	228.6	279	241.5	8-22	22.3	368
	125	5	254	343	298.5	8-22	23.9	416
	150	6	266.7	406	362	12-25	25.4	457
	200	8	292.1	483	432	12-25	28.6	550
	250	10	330.2	533	476.5	12-29	30.2	632
	300	12	355.6	597	539.5	16-29	31.8	711

Main connection dimensions (JIS 10K)

JIS 10K	SIZE		L	D	D1	n-d	b	f	H
	DN	in							
10K	40	1.5	165	140	105	4-19	15	3	256
	50	2	178	155	120	4-19	16	3	274
	65	2.5	190	175	140	4-19	17.5	3	303
	80	3	203	185	150	8-19	19	3	331
	100	4	229	210	175	8-19	19	3	368
	125	5	254	250	210	8-23	19	3	416
	150	6	267	280	240	8-23	19	3	457
	200	8	292	330	290	12-23	20	3	550
	250	10	330	400	355	12-25	22	3	632
	300	12	356	445	400	16-25	24.5	4	711

◆ **K106 Rising Stem Cast Iron Metal Seat Gate Valve**

Z41T-¹⁰/₁₅₀Z
10K



Main connection dimensions (PN10/PN16)

PN	SIZE		L		D	D1	n-d	b	f	H
	DN	in	BS5163	DIN3202 F4						
PN10	40	1.5	165	140	150	110	4-19	18	3	310
	50	2	178	150	165	125	4-19	20	3	329
	65	2.5	190	170	185	145	4-19	20	3	372
	80	3	203	180	200	160	8-19	22	3	426
	100	4	229	190	220	180	8-19	24	3	496
	125	5	254	200	250	210	8-19	26	3	576
	150	6	267	210	285	240	8-23	26	3	630
	200	8	292	230	340	295	8-23	30	3	739
	250	10	330	250	395	350	12-23	32	3	877
	300	12	356	270	445	400	12-23	32	4	1011
PN16	40	1.5	165	140	150	110	4-19	18	3	310
	50	2	178	150	165	125	4-19	20	3	329
	65	2.5	190	170	185	145	4-19	20	3	372
	80	3	203	180	200	160	8-19	22	3	426
	100	4	229	190	220	180	8-19	24	3	496
	125	5	254	200	250	210	8-19	26	3	576
	150	6	267	210	285	240	8-23	26	3	630
	200	8	292	230	340	295	12-23	30	3	739
	250	10	330	250	405	355	12-28	32	3	877
	300	12	356	270	460	410	12-28	32	4	1011

Main connection dimensions (125/150LB)

Class (LB)	SIZE		L	D	D1	n-d	b	H
	DN	in						
125/150	40	1.5	165	127	98.5	4-15	15.9	310
	50	2	177.8	152	120.5	4-19	15.9	329
	65	2.5	190.5	190	152.5	4-19	17.5	372
	80	3	203.2	229	190.5	8-19	19.1	426
	100	4	228.6	279	241.5	8-22	22.3	496
	125	5	254	343	298.5	8-22	23.9	576
	150	6	266.7	406	362	12-25	25.4	630
	200	8	292.1	483	432	12-25	28.6	739
	250	10	330.2	533	476.5	12-29	30.2	877
	300	12	355.6	597	539.5	16-29	31.8	1011

Main connection dimensions (JIS 10K)

JIS 10K	SIZE		L	D	D1	n-d	b	f	H
	DN	in							
10K	40	1.5	165	140	105	4-19	15	3	310
	50	2	178	155	120	4-19	16	3	329
	65	2.5	190	175	140	4-19	17.5	3	372
	80	3	203	185	150	8-19	19	3	426
	100	4	229	210	175	8-19	19	3	496
	125	5	254	250	210	8-23	19	3	576
	150	6	267	280	240	8-23	19	3	630
	200	8	292	330	290	12-23	20	3	739
	250	10	330	400	355	12-25	22	3	877
	300	12	356	445	400	16-25	24.5	4	1011

H are only for reference, actual dimension may be a little different.

◆ K107 GB Cast Steel /S tainless Steel Gate Valve



- 1、 Meets the domestic and foreign advanced standard requirement the seal is reliable,the performance is fine,handsome appearance.
- 2、 The Wedge, the valve seat packing surface is too vertical (stellite)with the iron-base alloy built-up welding or the department the cobalt basehard alloy built-up welding to become,wear-resisting,thermostable,anti-corro sive,the anti-abrasionper formance is good,the service life is long.
- 3、 Using wedge-type flexible gate structure,medium and large caliber set bearings,switches flexible,open and close easily.
- 4、 Stem quenched and the nitrogen treatment with good corrosion resistance,scratch resistance and wear resistance.
- 5、 Can be used with a variety of standard pipe flanges and flange sealing surface types to meet various project needs and user requirements.
- 6、 Vave body materials,vanety,packing,gasket can be based on actual working conditions or the user requests a reasonable option can be applied to allkinds of pressure,temperature and medium conditions.

◆ Design And Manufacturing Standards

Products Specification				
Design	Face to Face	Pressure -temperature rating	Flange end	Test
GB 12234	GB 12221	GB/T12224	JB/T 79.1-2-94 GB 9113-2009 HG 20592~20635	JB/T 9092-1999 GB 13927-2005

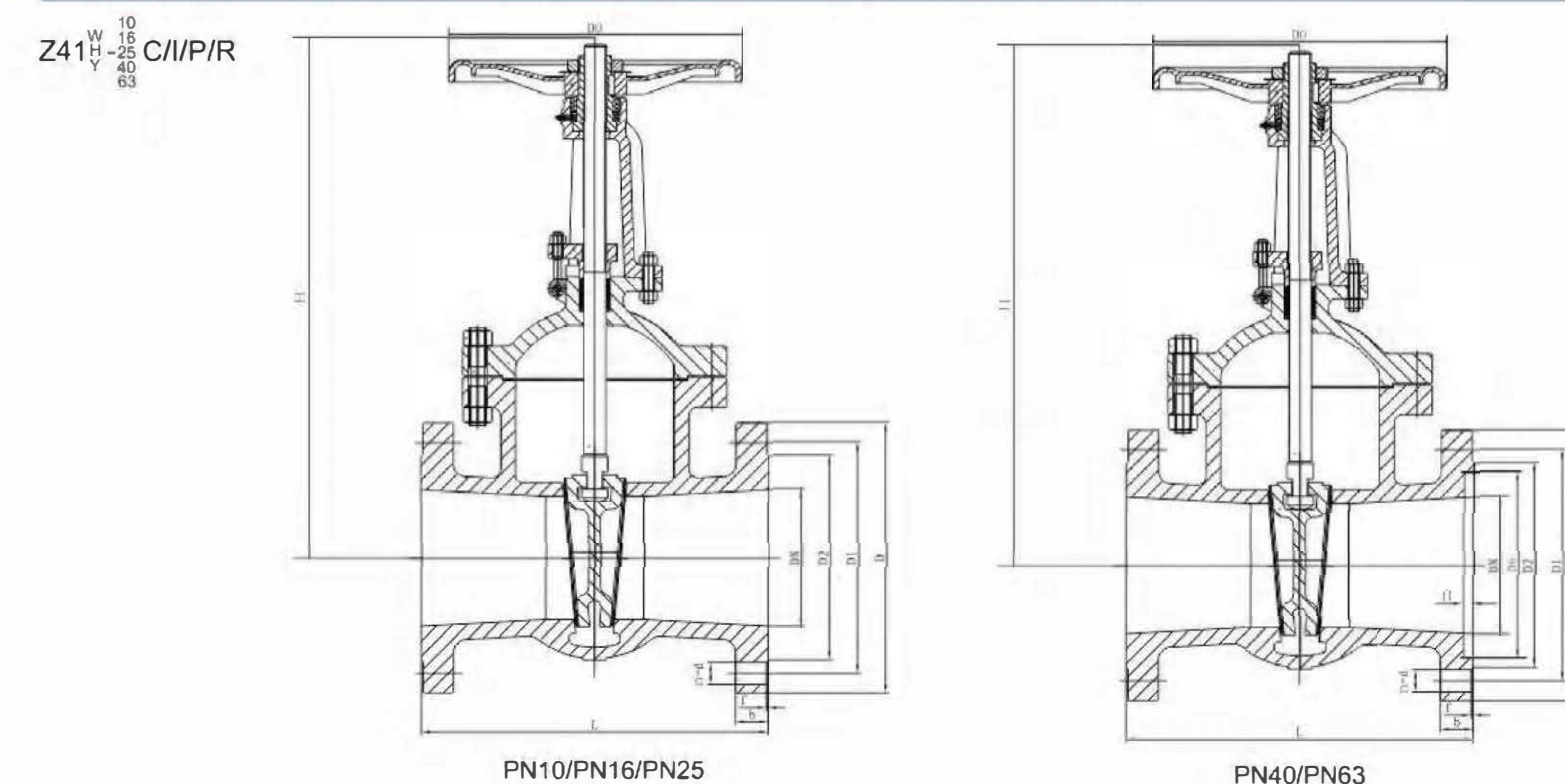
◆ Main Performance Specifications

Project name	Project name					
	PN16	PN25	PN40	PN64	PN100	PN160
PN(MPa)	1.6	2.5	4	6.4	10	16
Shell strength test pressure(MPa)	1.5 Times the nominal pressure at room temperature					
High -pressure sealing Test pressure(MPa)	1.1Times the nominal pressure at room temperature					
Operating pressure at room temperature(MPa)	According to GB/T 12224 pressure temperature rating					

◆ Main Parts Material

Part Name	Material									
	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Wedge	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Stem	F304	F304L	F316	F316L	2CR13	F304	F304	F304	F304	
Stem Nut	Aluminum bronze									
Packing	PTFE/Flexible graphite					Graphite				
Gasket	PTFE/Metal					Graphite				
Gland	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Bolt	Stainless Steel					35CrMoA				
Nut	Stainless Steel					45、 35CrMoA				
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic actuators									

◆ Main Connection Dimensions



Main connection dimension(PN10)

PN	DN(mm)	Size(mm)							
		L	D	D1	D2	b-f	N-φd	H	D0
10	15	130	95	65	45	12-2	4-14	160	100
	20	150	105	75	55	14-2	4-14	165	100
	25	160	115	85	65	14-2	4-14	200	125
	32	180	135	100	78	16-2	4-18	240	125
	40	165	145	110	85	16-3	4-18	245	135
	50	180	160	125	100	16-3	4-18	286	180
	65	195	180	145	120	18-3	4-18	320	180
	80	210	195	160	135	18-3	4-18	373	200
	100	230	215	180	155	20-3	8-18	428	200
	125	255	245	210	185	22-3	8-18	513	240
	150	280	280	240	210	22-3	8-23	582	240
	200	330	335	295	265	22-3	8-23	730	320
	250	380	390	350	320	24-3	12-23	897	320
	300	420	440	400	368	26-4	12-23	1032	400
	350	450	500	460	428	26-4	16-23	1170	400
	400	480	565	515	482	26-4	16-25	1330	500
	450	510	615	565	532	26-4	20-25	1460	500
	500	540	670	620	585	28-4	20-25	1650	500
	600	600	780	725	685	28-5	20-30	1830	600
700	660	895	840	800	30-5	24-30	2120	700	
800	730	1010	950	905	32-5	24-34	2420	800	
900	800	1110	1050	1005	34-5	28-34	2750	850	
1000	850	1220	1160	1115	34-5	28-34	3130	900	

Main connection dimension(PN16)

PN	DN(mm)	Size(mm)								
		L	D	D1	D2	b-f	N-Φd	H	D0	
16	15	130	95	65	45	14-2	4-14	170	120	
	20	150	105	75	55	14-2	4-14	190	140	
	25	160	115	85	65	14-2	4-14	205	160	
	32	180	135	100	78	16-2	4-18	270	180	
	40	200	145	110	85	16-3	4-18	290	200	
	50	250	160	125	100	16-3	4-18	310	240	
	65	265	180	145	120	18-3	4-18	373	240	
	80	280	195	160	135	20-3	8-18	435	280	
	100	300	215	180	155	20-3	8-18	445	300	
	125	325	245	210	185	22-3	8-18	570	320	
	150	350	280	240	210	24-3	8-23	630	360	
	200	400	335	295	265	26-3	12-23	735	400	
	250	450	405	355	320	30-3	12-25	969	450	
	300	500	460	410	375	30-4	12-25	976	580	
	350	550	520	470	435	34-4	16-25	1120	640	
	400	600	580	525	485	36-4	16-30	1452	640	
	450	650	640	585	545	40-4	20-30	1541	720	
	500	700	705	650	608	44-4	20-34	1880	720	
600	800	840	770	718	48-5	20-36	1874	800		
700	900	910	840	788	50-5	24-41	2083	800		
800	1000	1020	950	898	52-5	24-41	2400	850		
900	1100	1120	1050	998	54-5	28-41	2950	1000		
1000	1200	1255	1170	1110	56-5	28-48	3245	1000		

Main connection dimension(PN25)

PN	DN(mm)	Size(mm)								
		L	D	D1	D2	b-f	N-Φd	H	D0	
25	15	130	95	65	45	16-2	4-14	170	120	
	20	150	105	75	55	16-2	4-14	190	140	
	25	160	115	85	65	16-2	4-14	205	160	
	32	180	135	100	78	18-2	4-18	270	180	
	40	200	145	110	85	18-3	4-18	310	200	
	50	250	160	125	100	20-3	4-18	358	240	
	65	265	180	145	120	22-3	8-18	373	240	
	80	280	195	160	135	22-3	8-18	435	280	
	100	300	230	190	160	24-3	8-23	500	300	
	125	325	270	220	188	28-3	8-25	614	320	
	150	350	300	250	218	30-3	8-25	674	360	
	200	400	360	310	278	34-3	12-25	811	400	
	250	450	425	370	332	36-3	12-30	969	450	
	300	500	485	430	390	40-4	16-30	1145	580	
	350	550	550	490	448	44-4	16-34	1280	640	
	400	600	610	550	505	48-4	16-34	1452	640	
	450	650	660	600	555	50-4	20-34	1541	720	
	500	700	730	660	610	52-4	20-41	1676	720	
600	800	840	770	718	56-5	20-41	1874	800		
700	900	955	875	815	60-5	24-48	2083	800		
800	1000	1070	990	930	64-5	24-48	2400	950		
900	1100	1180	1090	1025	66-5	28-54	2950	1000		
1000	1200	1305	1210	1140	68-5	28-58	3245	1000		

Main connection dimension(PN40)

PN	DN(mm)	Size(mm)									
		L	D	D1	D2	D6	b-f	f1	N-Φd	H	D0
40	15	130	95	65	45	40	16-2	4	4-14	135	120
	20	150	105	75	55	51	16-2	4	4-14	190	140
	25	160	115	85	65	58	16-2	4	4-14	205	160
	32	180	135	100	78	66	18-2	4	4-18	270	180
	40	200	145	110	85	76	18-3	4	4-18	310	200
	50	250	160	125	100	88	20-3	4	4-18	371	280
	65	280	180	145	120	110	22-3	4	8-18	391	280
	80	310	195	160	135	121	22-3	4	8-18	455	320
	100	350	230	190	160	150	24-3	4.5	8-23	551	360
	125	400	270	220	188	176	28-3	4.5	8-25	628	400
	150	450	300	250	218	204	30-3	4.5	8-25	708	400
	200	550	375	320	282	260	38-3	4.5	12-30	885	450
	250	650	445	385	345	313	42-3	4.5	12-34	906	560
	300	750	510	450	408	364	46-4	4.5	16-34	1203	640
	350	850	570	510	465	422	52-4	5	16-34	1341	640
	400	950	655	585	535	474	58-4	5	16-41	1492	720
	500	1150	755	670	612	576	62-4	5	20-48	1627	/
	600	1350	890	795	730	678	62-5	6	20-54	1925	/
700	1450	995	900	835	768	68-5	6	24-54	2310	/	
800	1650	1135	1030	960	876	76-5	6	24-58	2600	/	

Main connection dimension(PN63)

公称压力 PN	公称通径 DN(mm)	尺寸 Size(mm)									
		L	D	D1	D2	D6	b-f	f1	N-Φd	H	D0
63	15	170	105	75	55	40	18-2	4	4-14	140	100
	20	190	125	90	68	51	20-2	4	4-18	140	100
	25	210	135	100	78	58	22-2	4	4-18	215	180
	32	230	150	110	82	66	24-2	4	4-23	270	180
	40	240	165	125	95	76	24-3	4	4-23	345	200
	50	250	175	135	105	88	26-3	4	4-23	470	200
	65	280	200	160	130	110	28-3	4	8-23	520	250
	80	310	210	170	140	121	30-3	4.5	8-23	570	300
	100	350	250	200	168	150	32-3	4.5	8-25	700	300
	125	400	295	240	202	176	36-3	4.5	8-30	780	350
	150	450	340	280	240	204	38-3	4.5	8-34	850	350
	200	550	405	345	300	260	44-3	4.5	12-34	1035	400
	250	650	470	400	352	313	48-3	4.5	12-41	1050	560
	300	750	530	460	412	364	54-4	4.5	16-41	1470	640
	350	850	595	525	475	422	60-4	5	16-41	1718	700
	400	950	670	585	525	474	66-4	5	16-48	1885	750
	500	1150	800	705	640	576	70-4	5	20-54	2410	850
	600	1350	930	820	750	678	76-5	6	20-58	2895	1000

H are only for reference, actual dimension may be a little different.

◆ K108 ANSI Cast Steel / Stainless Steel Gate Valve



Flange connection steel gate valve is suitable for ANSI Class150~900, PN2.0~16.0MPa, JIS10~20K, working temperature -29~425°C (carbon steel) and -40~500°C (stainless steel) pipes. Used to cut off or connect the medium in the pipeline. By selecting different materials, it can be used in various media such as water, steam, oil, nitric acid, acetic acid, strong oxidizing media and urea. There are manual, bevel gear transmission and electric.

- 1、 Product design and manufacturing comply with advanced foreign standards, with reliable sealing and excellent performance.
- 2、 The structure design is compact and reasonable, and the shape is beautiful.
- 3、 It adopts wedge-type elastic gate structure and is equipped with rolling bearings in medium and large diameters, making it easy to open and close.
- 4、 The valve body has a complete range of materials, and the packing and gaskets are reasonably selected according to actual working conditions or user requirements, and can be applied to various pressure, temperature and medium working conditions.
- 5、 Adopt a variety of domestic and foreign piping flange standards and flange sealing surface types to meet various engineering needs and user requirements.

◆ Design and manufacturing standards

Products Specification				
Design	Face to Face	Test	Flange end	Shell wall thickness
API 600 API 602 API 6D	ANSI B16.10 API 6D	API 598 API 6D	ANSI B16.5 ANSI B16.47 ANSI B16.11 ANSI B16.25	ANSI B16.34

◆ Main Performance Specifications

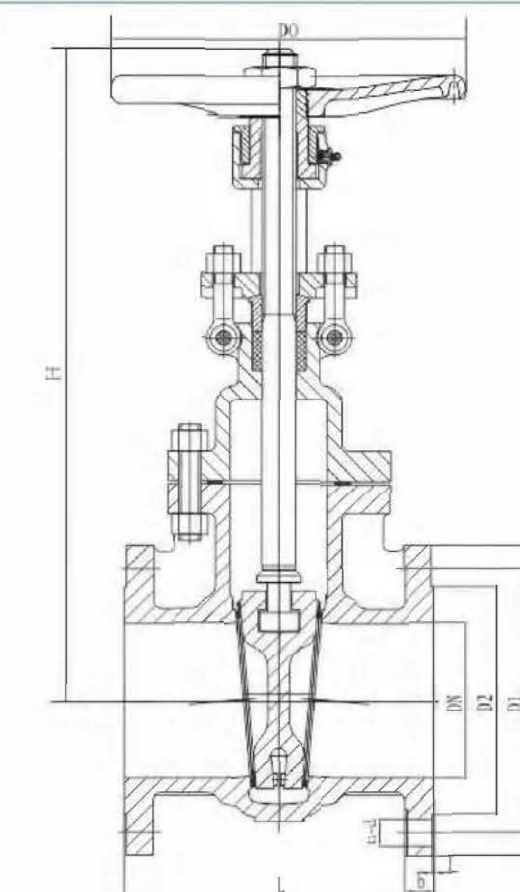
Project name	Pound class			Applicable temperature	Applicable media
	150LB	300LB	600LB		
Shell strength test pressure (MPa)	3.0	7.7	15.3	-29°C ~ 425 °C	water, oil, Steam, nitric acid
Water seal test pressure (MPa)	2.2	5.7	11.3		
Air seal test pressure (MPa)	0.4-0.7				

◆ Main parts material

Part Name	Material									
	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Wedge	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Stem	F304	F304L	F316	F316L	2CR13	F304	F304	F304	F304	
Stem Nut	Aluminum bronze									
Packing	PTFE/Flexible graphite					Graphite				
Gasket	PTFE/Metal					Graphite				
Gland	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5	
Bolt	Stainless Steel					35CrMoA				
Nut	Stainless Steel					45, 35CrMoA				
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic actuators									

◆ Main Connection Dimensions

Z41W
150LB
300LB
600LB



Main onnection dimension(150LB)

Class	inch	Size(mm)								
		DN	L	D	D1	D2	b	N-Φd	H	D0
150Lb	1/2"	15	108	89	60.5	35	12	4-15	155	120
	3/4"	20	117	98	70	43	12	4-15	160	120
	1"	2y	127	108	79.5	51	12	4-15	200	140
	1 1/4"	32	140	117	89	64	13	4-15	245	160
	1 1/2"	40	165	127	98.5	73	15	4-15	285	180
	2"	00	178	152	120.5	92	16	4-19	315	200
	2 1/2"	65	190	178	139.5	105	18	4-19	375	220
	3"	80	203	190	152.5	127	19	4-19	400	240
	4"	100	229	229	190.5	157	24	8-19	460	280
	5"	125	254	254	216	186	24	8-22	540	300
	6"	150	267	279	241.5	216	26	8-22	620	320
	8"	200	292	343	298.5	270	29	8-22	800	400
	10"	250	330	406	362	324	31	12-25	850	450
	12"	300	356	483	432	381	32	12-25	1000	500
	14"	350	381	533	476	413	35	12-29	1300	600
	16"	400	406	597	540	470	37	16-29	1400	600
18"	450	432	635	578	533	40	16-32	1600	650	
20"	500	457	398	635	584	43	20-32	1850	650	
24"	600	508	813	749.5	692	48	20-35	2200	700	

Main external and connection dimension(300LB)

Class	inch	Size(mm)								
		DN	L	D	D1	D2	B	N-Φd	H	D0
300Lb	1/2"	15	140	95	66.5	35	15	4-15	155	120
	3/4"	20	152	117	82.5	43	16	4-19	160	120
	1"	25	165	124	89	51	18	4-19	200	140
	1 1/4"	32	178	133	98.5	64	19	4-19	250	160
	1 1/2"	40	190	156	114.5	73	21	4-22	290	180
	2"	50	216	165	127	92	22	8-19	330	200
	2 1/2"	65	241	190	149	105	25	8-22	385	220
	3"	80	283	210	168.5	127	29	8-22	410	240
	4"	100	305	254	200	157	32	8-22	480	280
	5"	125	381	279	235	186	35	8-22	630	300
	6"	150	403	318	270	216	37	12-22	690	320
	8"	200	419	381	330	270	41	12-25	830	400
	10"	250	457	445	387.5	324	48	16-29	1003	450
	12"	300	502	521	451	381	51	16-32	1137	500
	14"	350	762	584	514.5	413	54	20-32	1489	600
	16"	400	838	648	571.5	470	57	20-35	1581	600
18"	450	914	711	628.5	533	60	24-35	2017	650	
20"	500	991	775	686	584	64	24-35	2228	650	
24"	600	1143	914	813	692	70	24-41	2650	700	

Main external and connection dimension(600LB)

Class	inch	Size(mm)								
		DN	L	D	D1	D2	B	N-Φd	H	D0
600Lb	1/2"	15	165	95	66.5	35	15	4-15	155	120
	3/4"	20	190	118	82.5	43	16	4-19	160	120
	1"	25	216	124	89	51	18	4-19	200	140
	1 1/4"	32	229	133	98.5	64	21	4-19	250	160
	1 1/2"	40	241	156	114.5	73	23	4-22	290	180
	2"	50	292	165	127	92	26	8-19	350	200
	2 1/2"	65	330	190	149	105	29	8-22	430	220
	3"	80	356	210	168	127	32	8-22	470	240
	4"	100	432	273	216	157	38	8-25	570	280
	5"	125	508	330	266.5	186	45	8-29	700	300
	6"	150	559	356	292	216	48	12-29	750	320
	8"	200	660	419	349	270	56	12-32	830	400
	10"	250	787	508	432	324	64	16-35	1210	450
	12"	300	838	559	489	381	67	20-35	1350	500
	14"	350	889	603	527	413	70	20-38	1600	600
	16"	400	991	686	603	470	77	20-41	1800	600
18"	450	1092	743	654	533	83	20-44	2110	650	
20"	500	1194	813	724	584	89	24-22	2350	650	
24"	600	1397	940	838	692	102	24-52	2900	700	

H are only for reference, actual dimension may be a little different.

◆ K109 NRS Grooved Connection Resilient Seat Gate Valve



It is used to cut off, connect and regulate the medium in the pipeline. It has good fluid control characteristics and closing and sealing performance. It is widely used in corrosive media such as metallurgy, electric power, petroleum, chemical industry, air, gas, combustible gas and water supply and drainage.

- 1、 The valve plate is fully covered with rubber, which has good covering performance and precise size, ensuring the reliability of the seal;
- 2、 The bottom of the valve adopts the same flat bottom type as the water pipe, which does not cause debris accumulation;
- 3、 The entire valve is painted with non-toxic epoxy resin to prevent corrosion and life. It can be used not only for drinking water systems but also for sewage systems.

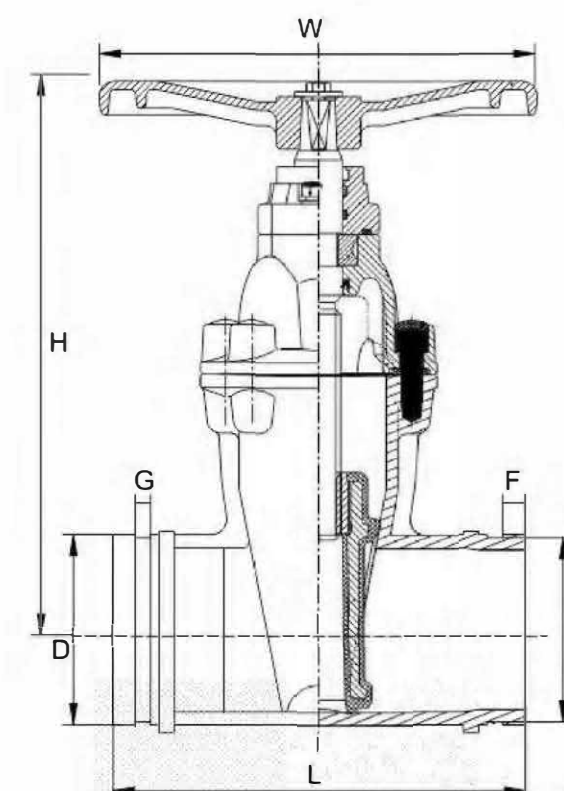
◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-300	≤80℃	Water and Sewage
1.6	2.4	1.76			

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536
Bonnet	GGG50, DI, A536
Wedge	DI+EPDM
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Operate	Handwheel, Electric Actuator, Pneumatic Actuators

◆ Main Connection Dimensions



DN	L	F	D	E	G	H	W
50	178	15.9	60.3	57.2	7.9	235	158
65	190	15.9	76	72.3	7.9	235	158
80	203	15.9	88.9	84.9	7.9	265	203
100	229	15.9	114.3	110.1	9.5	290	203
125	254	15.9	139.7	135.5	9.5	320	275
150	267	15.9	165.1	160.8	9.5	380	275
200	292	19	219.1	214.3	11.1	460	325
250	330	19	273	268.3	12.7	520	395
300	356	19	323.9	318.3	12.7	630	395

◆ K110 OS&Y Grooved Connection Resilient Seat Gate Valve



It is used to cut off, connect and regulate the medium in the pipeline. It has good fluid control characteristics and closing and sealing performance. It is widely used in corrosive media such as metallurgy, electric power, petroleum, chemical industry, air, gas, combustible gas and water supply and drainage.

1. The valve plate is fully covered with rubber, which has good covering performance and precise size, ensuring the reliability of the seal;
2. The bottom of the valve adopts the same flat bottom type as the water pipe, which does not cause debris accumulation;
3. The entire valve is painted with non-toxic epoxy resin to prevent corrosion and life. It can be used not only for drinking water systems but also for sewage systems.

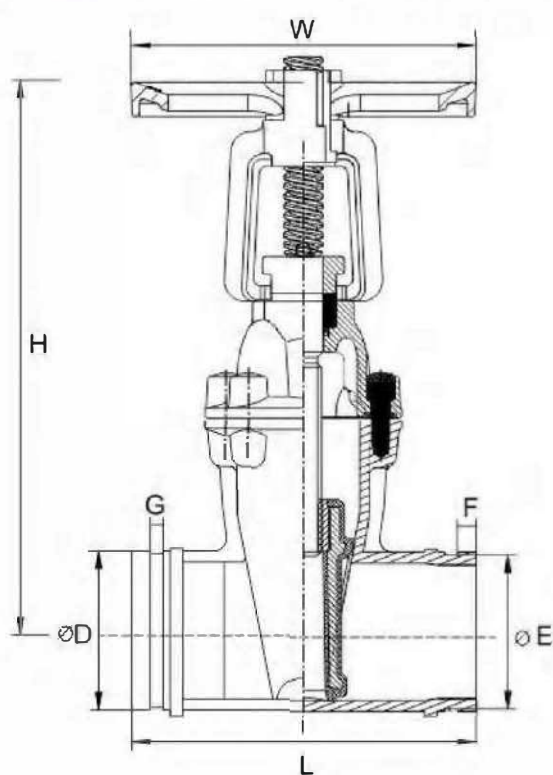
◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	40-600	≤80℃	Water and Sewage
1.6	2.4	1.76			

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536
Bonnet	GGG50, DI, A536
Wedge	DI+EPDM
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Operate	Handwheel, Electric Actuator, Pneumatic Actuators

◆ Main Connection Dimensions



DN	L	F	D	E	G	H	W
50	178	15.9	60.3	57.2	7.9	290	158
65	190	15.9	76	72.3	7.9	325	158
80	203	15.9	88.9	84.9	7.9	365	203
100	229	15.9	114.3	110.1	9.5	425	203
125	254	15.9	139.7	135.5	9.5	510	275
150	267	15.9	165.1	160.8	9.5	580	275
200	292	19	219.1	214.3	11.1	740	325
250	330	19	273	268.3	12.7	895	395
300	356	19	323.9	318.3	12.7	1055	395

◆ K111 Socket End Resilient Seat Gate Valve



The main feature of the socket-type Resilient Seat gate valve is that two sockets are set at both ends of the valve to form a socket connection between the pipe, that is, the pipe is inserted into the socket, and the installation is extremely simple. A rubber sealing ring is placed between the pipe and the socket to achieve sealing. This kind of connection is different from flange connection and is called flexible connection or stress-free connection.

Its advantage is that it allows the pipe to have an appropriate amount of expansion and contraction at the socket connection, which can compensate for the change in the length of the pipe. At the same time, it can eliminate the material stress caused by thermal expansion and contraction in the pipe, so as to achieve the purpose of protecting the pipe. The valve has an integral It has significant advantages such as rubber coating, corrosion resistance, not easy to break, good elastic memory and long service life. It can be widely used in tap water, sewage, construction, food, electric power, medicine, metallurgy, textile, energy systems and other fluid pipelines as a regulator and Use interception device.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	Pressure and testing	Size Range
DIN3352	DIN3202 F5	EN12266 -1	DN50-DN300
EN1171			

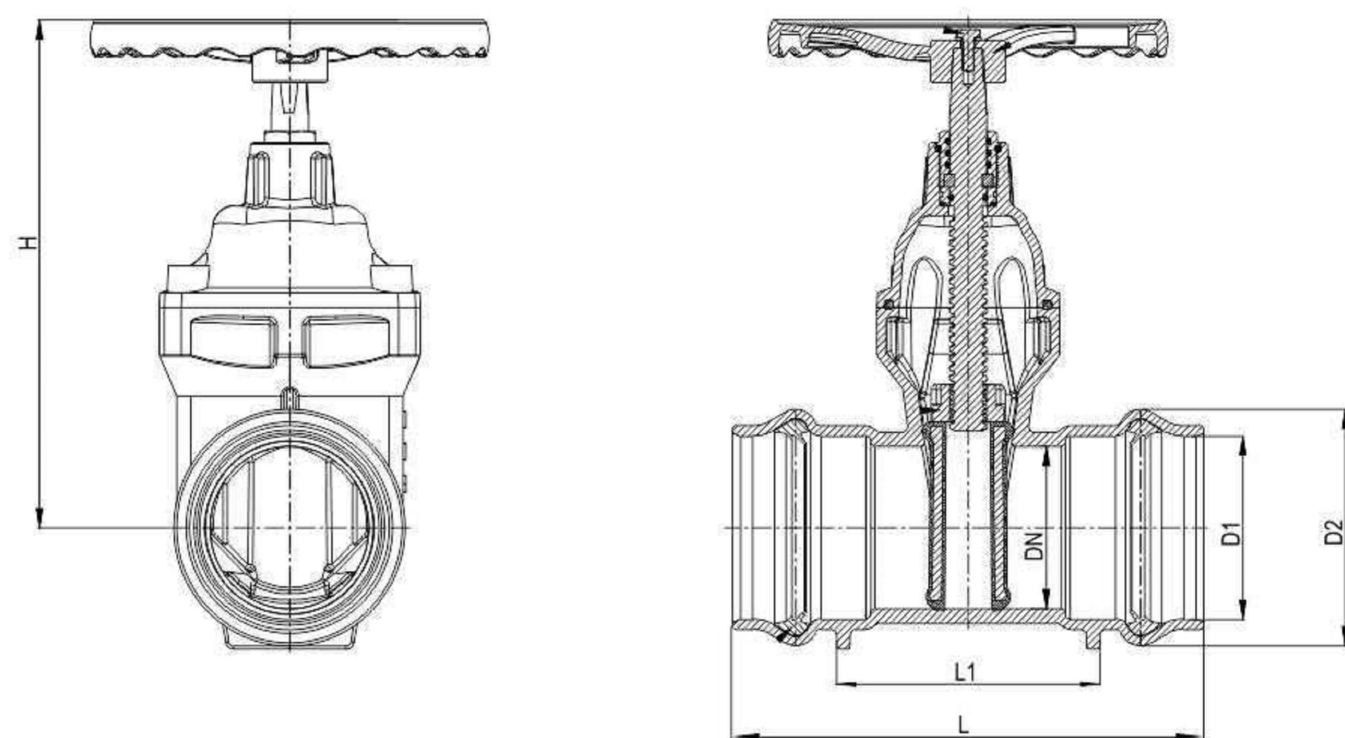
◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536
Bonnet	GGG50, DI, A536
Wedge	DI+NBR, DI+EPDM, DI+Silicone
Stem	CS, SS420, SS304, SS316, Brass, Bronze
Stem Nut	DI, Brass
Gland	GGG50, DI, A536, Brass
Operate	Handwheel, Stem Cap, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	40-1200	≤80℃	Water and Sewage
1.6	2.4	1.76			

◆ Main Connection Dimensions

CZ45X-¹⁰/₁₆

Main connection dimensions

SIZE		PIPE OD PVC	OUTLINE L	L1	D1	D2	H	Switch Turns	Closing Torque (N.m)
DN	in								
50	2	60/63	250	140	66.5	91	215	9	40
65	2.5	75	270	155	78.5	106	250	10	50
80	3	85/90	280	157	88	123	275	12	60
100	4	110	300	167	114	147	320	12	80
125	5	125/140	325	176	144	178	365	14.5	100
150	6	160	350	187	165	201	400	17	120
200	8	200/225	400	208	229	272	495	18.5	150
250	10	250	450	235	254	300	590	23	200
300	12	315	500	240	318	370	670	27	250

◆ K112 GOST Cast Iron/ Ductile Iron Gate Valve



◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
GOST5762	GOST3706 -93	GOST12815 GOST33259	EN12266 -1	DN50 -DN1000

◆ Main Parts Material

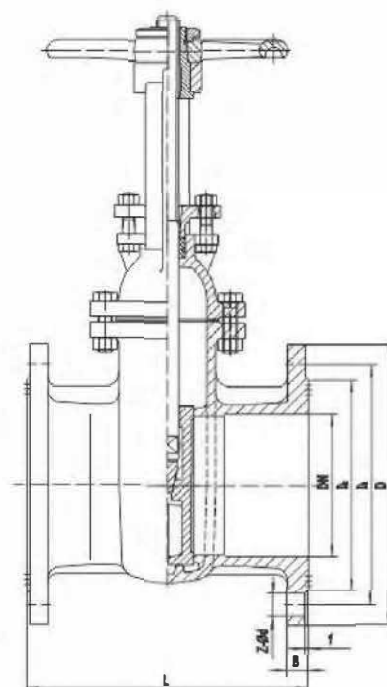
Part Name	Material
Body	CI, DI
Bonnet	CI, DI
Wedge	CI+brass, DI+brass
Stem	CS
Body Seal	CI+brass, DI+brass
Yoke	CI, DI
Operate	Handwheel, Electric Actuator, Pneumatic Actuators

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-1000	≤80℃	Water and Sewage
1.6	2.4	1.76			

◆ Main Connection Dimensions

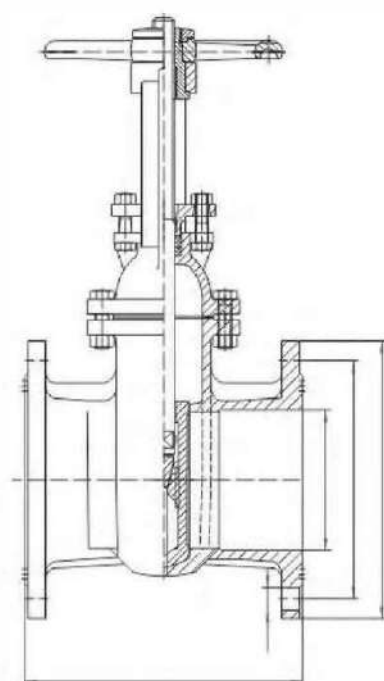
Z41T-10



DN	L	H	D	D1	DO	n-Ød
50	180	222	158	125	150	4-18
80	210	278	195	160	180	4-18
100	230	308	211	180	195	8-18
125	255	434	243	210	220	8-18
150	280	450	278	240	240	8-22
200	330	596	336	295	280	8-22
250	450	880	395	350	350	12-22
300	500	1000	445	400	350	12-22

◆ Main Connection Dimensions

Z41T-16Q



DN	L	H	D	D1	DO	n-Ød
50	180	259.5	161	125	165	4-18
80	210	322.5	195	160	210	8-18
100	230	364	212	180	210	8-18
125	255	429.5	241	210	240	8-18
150	280	497	278	240	240	8-22
200	330	594	332	295	280	12-22
250	450	760	400	355	325	12-26
300	500	814	452	410	370	12-26

BUTTERFLY VALVE

02



◆ **K201 Wafer Centerline Butterfly Valve**



The butterfly valve mainly consists of valve body, valve stem, valve disc and valve seat. As well as driving actuator (hand lever, worm gear, pneumatic actuator or electric actuator)etc, which achieves hoisting, as well as dominant discharge by rotation of axleand butterfly disc driven by driving actuator.The butterfly valve has the following characteristics:

1. Simple and compact structure, small and light, being easy to transport install and dismount.
2. 90° hoisting, it can be quickly opened and closed. Small operation torque, saving strength and easy to operate.
3. Good sealing performance. long service life, which can achieve zero leakage.
4. The butterfly chooses different parts materials, to be suitable for kinds of mediums.
5. Its flow characteristic approximates to straight line, which also has good adjustment

◆ **设计与制造标准 Design And Manufacturing Standards**

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Top flange	Size Range
BS5155 EN593 API 609 JB/T 8527	BS5155 EN558 API 609 ISO 5752 GB/T 12221	EN1092 BS4504 ISO7005 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN 12266-1 API 598	ISO 5211	DN25-DN1200

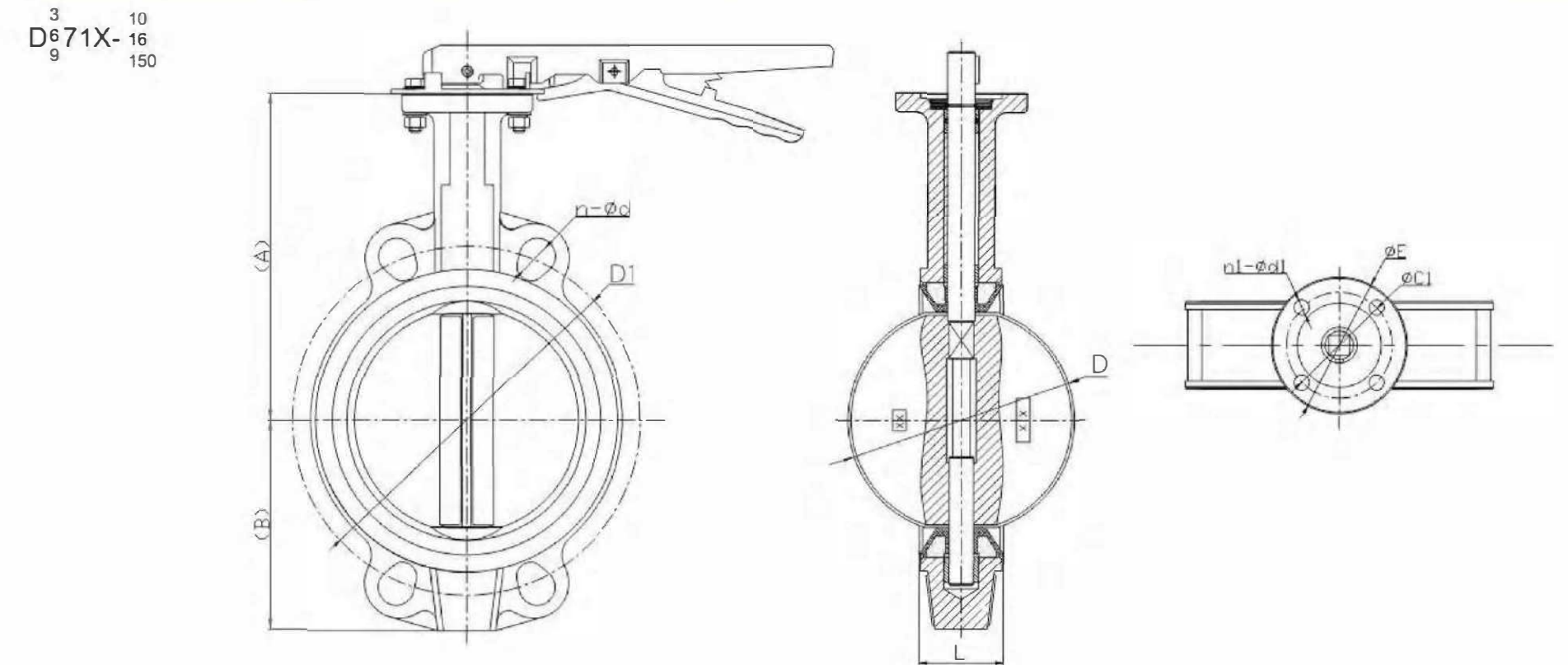
◆ **Main Parts Material**

Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, Brass
Disc	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, 2205, AL-BZ
Stem	CS, SS304, SS316, SS410, Brass, Bronze
Seat	NBR, EPDM, PTFE, Silicone rubber
Operate	Handle, Worm gear, Electric Actuator, Pneumatic Actuator

◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN25-1200	Water, Source Water, Sewage, Oil	Seal: PTFE(0-150℃) Seal: EPDM(0-80℃) Seal: NBR(0-80℃)
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

◆ **Main Connection Dimensions**



SIZE		Main dimensions(mm)													
DN	INCH	L	A	B	D	PN10		PN16		150LB		TOP FLANGE			
mm	in					D1	n-ød	D1	n-ød	D1	n-ød	ISO5211	ØE	ØC1	n1-Ød1
40	1.5	33	136	69	42.6	110	4-19	110	4-19	98.5	4-16	F05	65	50	4-8
50	2	43	161	80	52.9	125	4-19	125	4-19	120.6	4-19	F05	65	50	4-8
65	2.5	46	175	89	64.5	145	4-19	145	4-19	139.7	4-19	F05	65	50	4-8
80	3	46	181	95	78.8	160	8-19	160	8-19	152.4	8-19	F05	65	50	4-8
100	4	52	200	114	104	180	8-19	180	8-19	190.5	8-22.4	F07	90	70	4-8
125	5	56	213	127	123.3	210	8-19	210	8-19	215.9	8-22.4	F07	90	70	4-10
150	6	56	226	139	155.6	240	8-23	240	8-23	241.3	8-22.4	F07	90	70	4-10
200	8	60	260	175	202.5	295	8-23	295	12-23	298.4	12-25.4	F10	125	102	4-10
250	10	68	292	203	250.5	350	12-23	355	12-28	361.9	12-25.4	F10	125	102	4-12
300	12	78	337	242	301.6	400	12-23	410	12-28	431.8	12-25.4	F10	125	102	4-12
350	14	78	368	267	333.3	460	16-23	470	16-28	476.3	12-29	F10	125	102	4-12
400	16	86/102	400	309	389.6	515	16-28	525	16-31	539.8	16-29	F14	175	140	4-18
450	18	105/114	422	328	440.51	565	20-28	585	20-31	577.9	16-32	F14	175	140	4-18
500	20	127	480	361	491.6	620	20-28	650	20-34	635	20-32	F14	175	140	4-18
600	24	154	562	459	592.5	725	20-31	770	20-36	749.3	20-35	F16	210	165	4-22
700	28	165	624	520	695	840	24-31	840	24-36	863.6	28-35	F25	300	254	8-18
800	32	190	672	591	794.7	950	24-34	950	24-41	978	28-41	F25	300	254	8-18
900	36	203	720	656	864.7	1050	28-34	1050	28-41	1085.9	32-41	F25	300	254	8-18
1000	40	216	800	721	965	1160	28-36	1170	28-44	1200	36-41	F25	300	254	8-18
1200	48	254	940.7	864	1160	1380	32-41	1390	32-50	1422.4	44-41	F25	300	254	8-18

A and B are only for reference, actual dimension may be a little different.

◆ K202 Lug Type Centerline Butterfly Valve



The butterfly valve mainly consists of valve body, valve stem, valve disc and valve seat. As well as driving actuator (hand lever, worm gear, pneumatic actuator or electric actuator)etc, which achieves hoisting, as well as dominant discharge by rotation of axlead butterfly disc driven by driving actuator.The butterfly valve has the following characteristics:

1. Simple and compact structure, small and light, being easy to transpot install and dismount.
2. 90° hoisting, it can be quickly opened and closed. Small operation torque, saving strength and easy to operate.
3. Good sealing performance. long service life, which can achieve zero leakage.
4. The butterfly chooses different parts materials, to be suitable for kinds of mediums.
5. Its flow characteristic approximates to straight line, which also has good adjustment

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Top flange	Size Range
BS5155 EN593 API 609 JB/T 8527	BS5155 EN558 API 609 ISO 5752 GB/T 12221	EN1092 BS4504 ISO7005 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN 12266-1 API 598	ISO 5211	DN25-DN1200

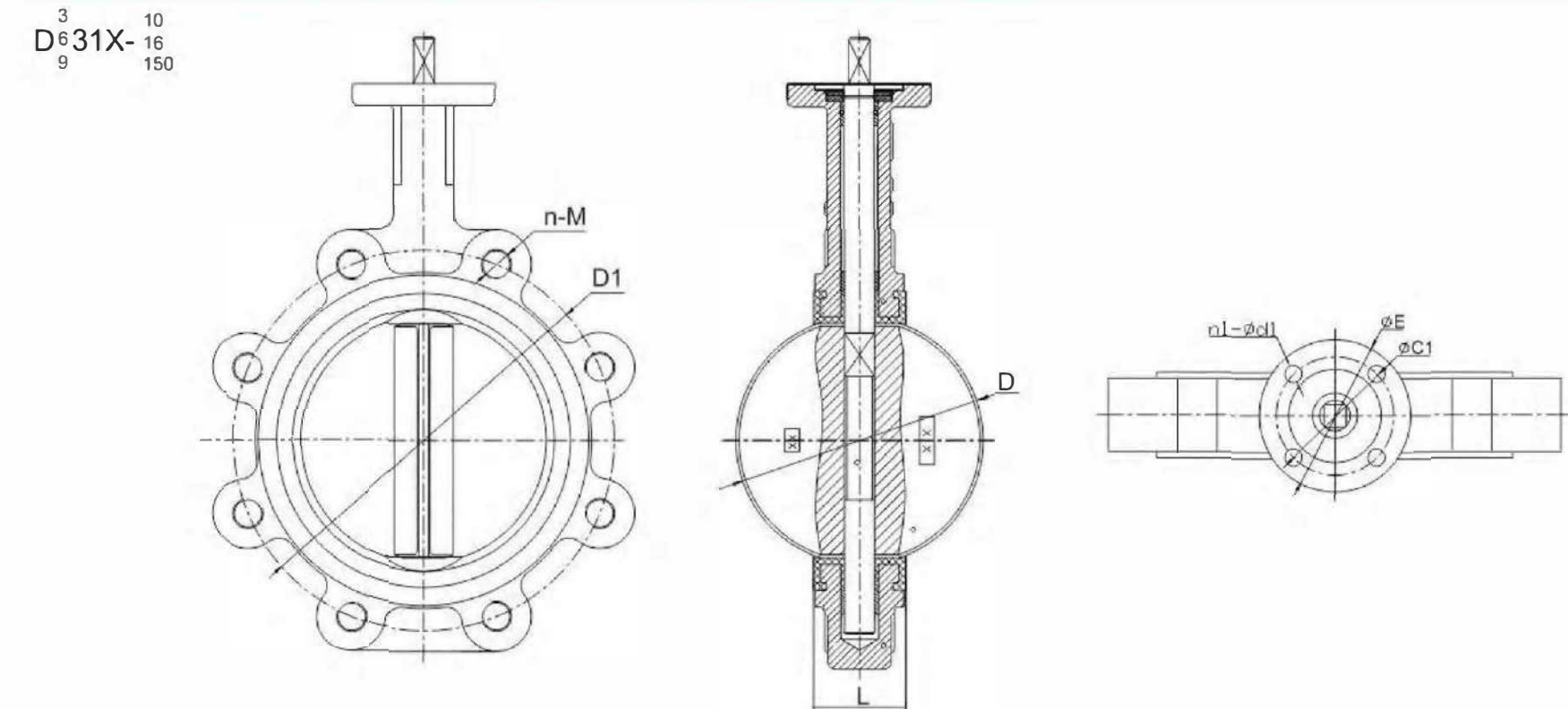
◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, Brass
Disc	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, 2205, AL-BZ
Stem	CS, SS304, SS316, SS410, Brass, Bronze
Seat	NBR, EPDM, PTFE, Silicone rubber
Operate	Handle, Worm gear, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-600	Water, Source Water, Sewage, Oil	Seal: PTFE(0-150℃) Seal: EPDM(0-80℃) Seal: NBR(0-80℃)
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

◆ Main Connection Dimensions



SIZE		Main dimensions(mm)											
DN	INCH	L±2	D	PN10		PN16		150LB		TOP FLANGE			
mm	in			D1	n-M	D1	n-M	D1	n-M	ISO5211	ØE	ØC1	ø1-Ød1
50	2	43	52.9	125	4-M16	125	4-M16	120.7	4-5/8	F05	65	50	4-8
65	2.5	46	64.5	145	4-M16	145	4-M16	139.7	4-5/8	F05	65	50	4-8
80	3	46	78.8	160	8-M16	160	8-M16	152.4	4-5/8	F05	65	50	4-8
100	4	52	104	180	8-M16	180	8-M16	190.5	8-5/8	F07	90	70	4-8
125	5	56	123.3	210	8-M16	210	8-M16	215.9	8-3/4	F07	90	70	4-10
150	6	56	155.6	240	8-M20	240	8-M20	241.3	8-3/4	F07	90	70	4-10
200	8	60	202.5	295	8-M20	295	12-M20	298.5	8-3/4	F10	125	102	4-10
250	10	68	250.5	350	12-M20	355	12-M24	362	12-7/8	F10	125	102	4-12
300	12	78	301.6	400	12-M20	410	12-M24	431.8	12-7/8	F10	125	102	4-12
350	14	78	333.3	460	16-M20	470	16-M24	476.3	12-1	F10	125	102	4-12
400	16	86/102	389.6	515	16-M24	525	16-M27	539.8	16-1	F14	175	140	4-18
450	18	105/114	440.51	565	20-M24	585	20-M27	577.9	16-1-1/8	F14	175	140	4-18
500	20	127	491.6	620	20-M24	650	20-M30	635	16-1-1/8	F14	175	140	4-18
600	24	154	592.5	725	20-M27	770	20-M33	749.3	20-1-1/4	F16	210	165	4-22

◆ K203 Flange Centerline Butterfly Valve



The flange centerline centre plate butterfly valve, which combines advantages of eccentric flange butterfly valve and wafer butterfly valve. It is an alternative choice besides eccentric flange butterfly valve and wafer butterfly valve.

- 1、Bidirectional sealing performance are choiceness, and the torque value is small, also the performance of machining parts is superior.
- 2、The flange connection is convenient for installation, which can be installed vertically or horizontal.
- 3、The variety of sealing materials makes it selected by customers.
- 4、The seal ring of valve seat combines with valve body organically. In this way the valve has longer service life.
- 5、It has strong performance of erosion resistance, which can be used for cut off and adjustment and is suitable in poor working condition.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Top flange	Size Range
BS5155 EN593 API 609 JB/T 8527	BS5155 EN558 API 609 ISO 5752 GB/T 12221	EN1092 BS4504 ISO7005 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN 12266-1 API 598	ISO 5211	DN50-DN2000

◆ Main Parts Material

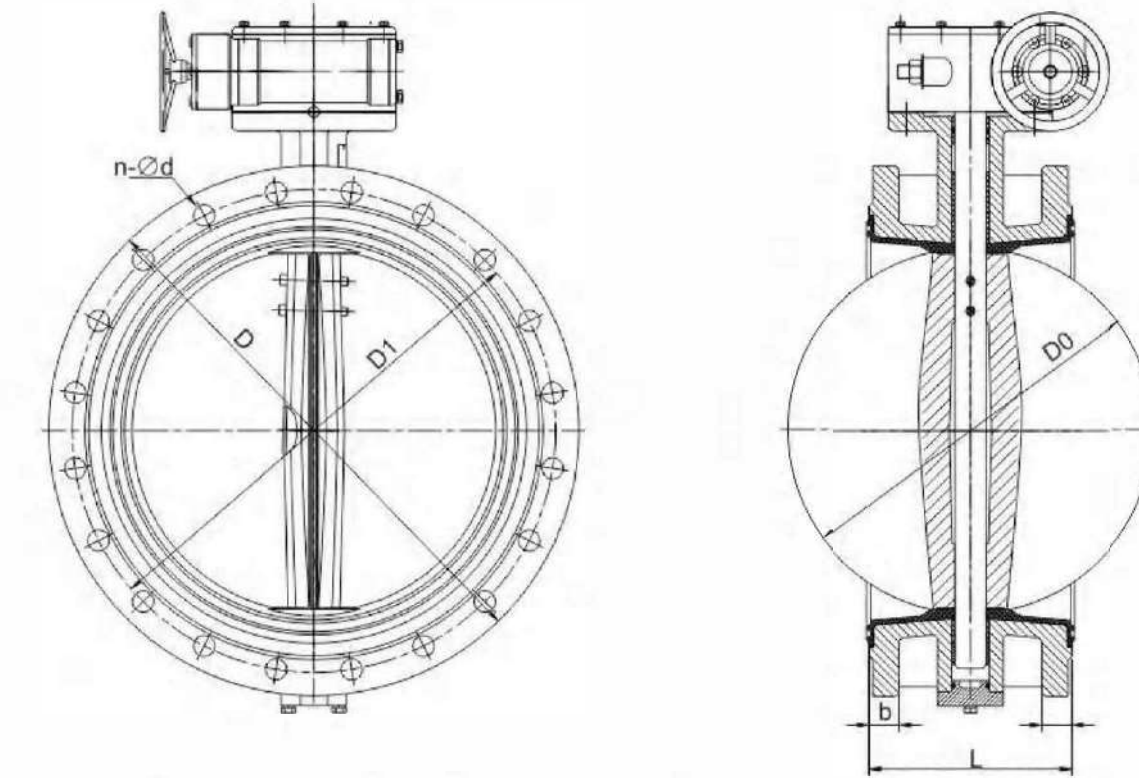
Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, Brass
Disc	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, 2205, AL-BZ
Stem	CS, SS304, SS316, SS410, Brass, Bronze
Seat	NBR, EPDM, PTFE, Silicone rubber
Operate	Handle, Worm gear, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-2000	清水、源水、污水、油品 Water、Source Water、Sewage、Oil	Seal: PTFE(0-150℃) Seal: EPDM(0-80℃) Seal: NBR(0-80℃)
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

◆ Main Connection Dimensions

$\frac{3}{9} D^{41X-10}_{16}$
 $\frac{10}{150}$



DN	INCH	L	D0	PN10				PN16				125/150LB			
				D	D1	n-Ød	b	D	D1	n-Ød	b	D	D1	n-Ød	b
50	2	108	52.9	165	125	4-19	19	165	125	4-19	19	152	120.7	4-19	15.9
65	2.5	112	64.5	185	145	4-19	19	185	145	4-19	19	178	139.7	4-19	17.5
80	3	114	78.8	200	160	8-19	19	200	160	8-19	19	191	152.4	4-19	19
100	4	127	104	220	180	8-19	19	220	180	8-19	19	229	19.5	8-19	20.6
125	5	140	123.3	250	210	8-19	19	250	210	8-19	19	254	215.9	8-22	23.8
150	6	140	155.6	285	240	8-23	19	285	240	8-23	19	279	241.3	8-22	23.8
200	8	152	202.5	340	295	8-23	20	340	295	12-23	20	343	298.5	8-22	25.4
250	10	165	250.5	395	350	12-23	22	405	355	12-28	22	406	362	12-25	28.6
300	12	178	301.6	445	400	12-23	24.5	460	410	12-28	24.5	483	431.8	12-25	30.2
350	14	190	333.3	505	460	16-23	24.5	520	470	16-28	26.5	533	476.3	12-29	31.8
400	16	216	389.6	565	515	16-28	24.5	580	525	16-31	28	597	539.8	16-29	32.4
450	18	222	440.5	615	565	20-28	25.5	640	585	20-31	30	635	577.9	16-32	36.5
500	20	229	491.6	670	620	20-28	26.5	715	650	20-34	31.5	700	635	20-32	39.7
600	24	267	592.5	780	725	20-31	30	840	770	20-37	36	815	749.3	20-35	42.9
700	28	292	695	895	840	24-31	32.5	910	840	24-37	39.5	927	863.6	28-35	47.6
800	32	318	794.7	1015	950	24-34	35	1025	950	24-40	43	1060.5	978	28-42	54
900	36	330	864.7	1115	1050	28-34	37.5	1125	1050	28-40	46.5	1168.4	1085.9	32-41	60.3
1000	40	410	965	1230	1160	28-37	40	1255	1170	28-43	50	1289	1200	36-42	66.7
1200	48	470	1160	1455	1380	32-39	45	1485	1390	32-49	57	1511	1422.4	44-41	69.9
1400	56	530	1359	1675	1590	36-43	46	1685	1590	36-49	60	/	/	/	/
1500	60	570	1457	1785	1700	36-43	47.5	1854	1710	36-56	65	1854	1758.9	44-48	79.5
1600	64	600	1556	1915	1820	40-49	49	1930	1820	40-56	65	/	/	/	/
1800	72	670	1775	2115	2020	44-49	52	2130	2020	44-56	70	2197	2095.5	52-48	88.9
2000	80	760	1955	2325	2230	48-49	55	2345	2230	48-62	75	/	/	/	/

◆ K204 “U” Type Centerline Butterfly Valve



- 1、 Simple structure, good inter change ability, and low price.
- 2、 With less seat rubber, there is less potential for expansion and it is easier to control the torque within the proper range.
- 3、 The use of two-piece valve stems with no pin connection, the structure is simple and compact, and maintenance and disassembly are very convenient.
- 4、 The variety of sealing materials makes it selected by customers.
- 5、 The valve can be used for emptying valve at the end of pipe, which has reliable performance.
- 6、 The seal ring of valve seat combines with valve body organically. In this way the valve has longer service life.
- 7、 It has strong performance of erosion resistance, which can be used for cut off and adjustment and is suitable in poor working condition.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Top flange	Size Range
BS5155 EN593 API 609 JB/T 8527	BS5155 EN558 API 609 ISO 5752 GB/T 12221	EN1092 BS4504 ISO7005 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN 12266-1 API 598	ISO 5211	DN50-DN2000

◆ Main Parts Material

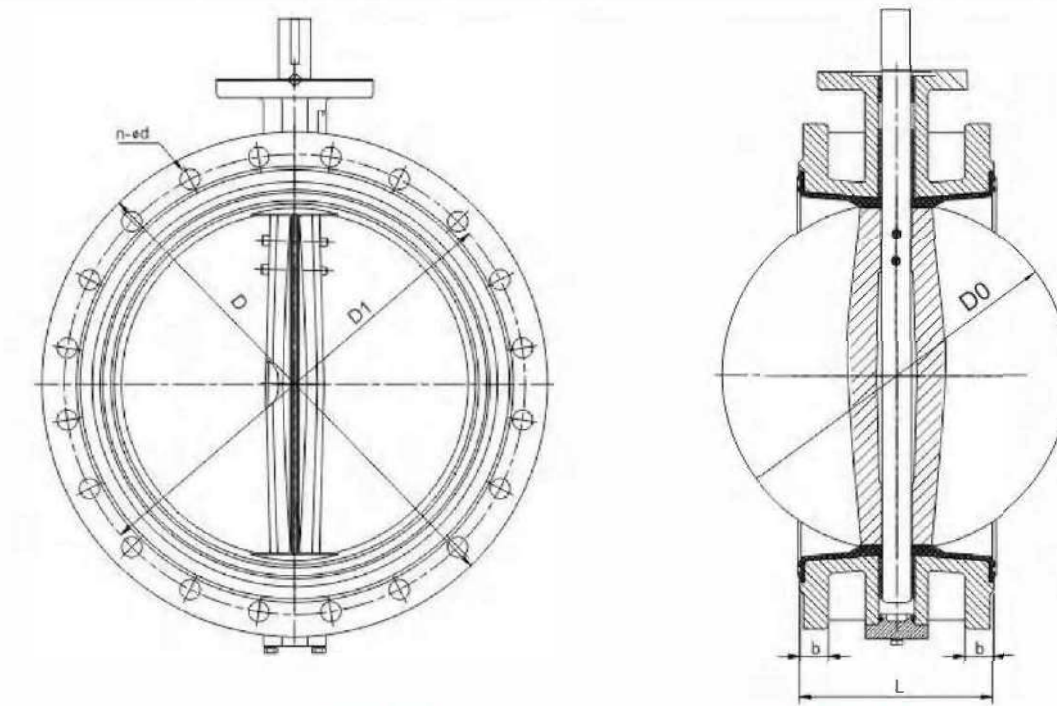
Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, Brass
Disc	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, 2205, AL-BZ
Stem	CS, SS304, SS316, SS410, Brass, Bronze
Seat	NBR, EPDM, PTFE, Silicone rubber
Operate	Handle, Worm gear, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-2000	Water, Source Water, Sewage, Oil	Seal: PTFE(0-150℃) Seal: EPDM(0-80℃) Seal: NBR(0-80℃)
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

◆ Main Connection Dimensions

D³₉641X-¹⁰₁₅₀



DN	INCH	L	D0	PN10			PN16			125/150LB		
				D	D1	n-ød	D	D1	n-ød	D	D1	n-ød
50	2	43	52.9	165	125	4-19	165	125	4-19	152	120.7	4-19
65	2.5	46	64.5	185	145	4-19	185	145	4-19	178	139.7	4-19
80	3	46	78.8	200	160	8-19	200	160	8-19	191	152.4	4-19
100	4	52	104	220	180	8-19	220	180	8-19	229	19.5	8-19
125	5	56	123.3	250	210	8-19	250	210	8-19	254	215.9	8-22
150	6	56	155.6	285	240	8-23	285	240	8-23	279	241.3	8-22
200	8	60	202.5	340	295	8-23	340	295	12-23	343	298.5	8-22
250	10	68	250.5	395	350	8-23	405	355	12-28	406	362	12-25
300	12	78	301.6	445	400	12-23	460	410	12-28	483	431.8	12-25
350	14	78	333.3	505	460	16-23	520	470	16-28	533	476.3	12-29
400	16	102	389.6	565	515	16-28	580	525	16-31	597	539.8	16-29
450	18	114	440.5	615	565	20-28	640	585	20-31	635	577.9	16-32
500	20	127	491.6	670	620	20-28	715	650	20-34	700	635	20-32
600	24	154	592.5	780	725	20-31	840	770	20-37	815	749.3	20-35
700	28	165	695	895	840	24-31	910	840	24-37	927	863.6	28-35
800	32	190	794.7	1015	950	24-34	1025	950	24-40	1060.5	978	28-42
900	36	203	864.7	1115	1050	28-34	1125	1050	28-40	1168.4	1085.9	32-41
1000	40	216	965	1230	1160	28-37	1255	1170	28-43	1289	1200	36-42
1200	48	254	1160	1455	1380	32-39	1485	1390	32-49	1511	1422.4	44-41
1400	56	279	1359	1675	1590	36-43	1685	1590	36-49	/	/	/
1500	60	318	1457	1785	1700	36-43	1854	1710	36-56	1854	1758.9	44-48
1600	64	318	1556	1915	1820	40-49	1930	1820	40-56	/	/	/
1800	72	356	1775	2115	2020	44-49	2130	2020	44-56	2197	2095.5	52-48
2000	80	406	1955	2325	2230	48-49	2345	2230	48-62	/	/	/

◆ K205 Double Eccentric Butterfly Valve



Double eccentric butterfly valve is a type of industrial valve widely used in various applications to control the flow of fluids, such as water, air, gas, or other liquids. It is an advanced variation of the conventional butterfly valve, designed to offer improved performance and reliability.

1. Reasonable design, compact structure, installing and dismantling easily, convenient in maintenance.
2. The eccentric structure is adopted, which reduces the friction of seal ring, in order to prolong the service life.
3. The seal ring of valve board adopts T-type structure, and the sealing pair is linear sealing.
4. Absolute sealing, zero leakage.
5. Replacing seal ring of valve disc, O-ring, and butterfly disc, as well as revolving stem, etc.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Top flange	Size Range
BS5155 EN593 API 609 ISO 5752 JB/T 8527	BS5155 EN558 API 609 ISO 5752 GB/T 12221	EN1092 BS4504 ISO7005 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN 12266-1 API 598	ISO 5211	DN50-DN2000

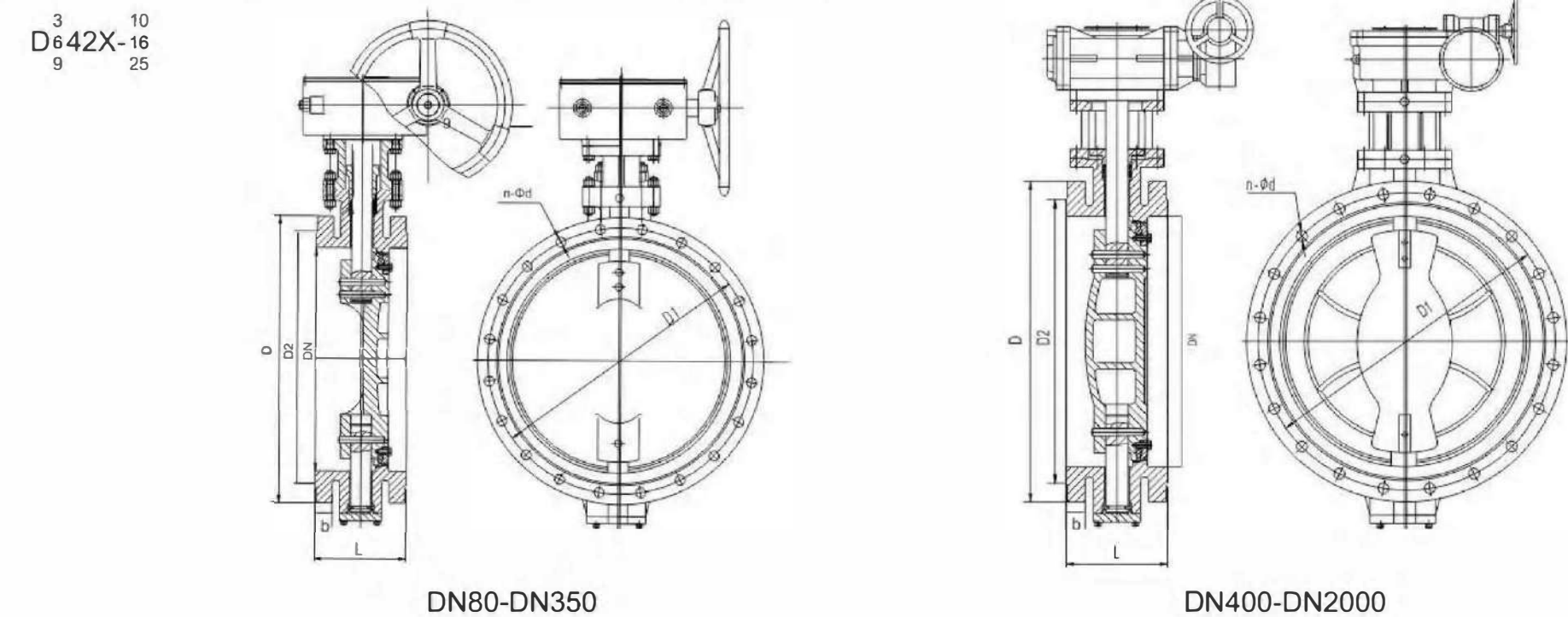
◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB
Body Seat	SS304, Brass
Disc	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Daisc Seal	NBR, EPDM, PTFE, Silicone rubber
Stem	CS, SS304, SS316, SS410
Operate	Handle, Worm gear, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-2000	Water, Source Water, Sewage, Oil	Seal: PTFE(0-150℃) Seal: EPDM(0-80℃) Seal: NBR(0-80℃)
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

◆ Main Connection Dimensions



Main Connection Dimensions (PN10)

SIZE		L±3		PN10				
DN	in	13 Series	14 Series	D	D1	D2	n-Ød	b
80	3	114	180	200	160	132	8-19	19
100	4	127	190	220	180	156	8-19	19
125	5	140	200	250	210	184	8-19	19
150	6	140	210	285	240	211	8-23	19
200	8	152	230	340	295	266	8-23	20
250	10	165	250	395	350	320	12-23	22
300	12	178	270	445	400	370	12-23	24.5
350	14	190	290	505	460	430	16-23	24.5
400	16	216	310	565	515	480	16-28	24.5
450	18	222	330	615	565	530	20-28	25.5
500	20	229	350	670	620	582	20-28	26.5
600	24	267	390	780	725	686	20-31	30
700	28	292	430	895	840	794	24-31	32.5
800	32	318	470	1015	950	901	24-34	35
900	36	330	510	1115	1050	1001	28-34	37.5
1000	40	410	550	1230	1160	1112	28-37	40
1200	48	470	630	1455	1380	1328	32-40	45
1400	56	530	710	1675	1590	1530	36-43	46
1500	60	570	/	1758	1700	1640	36-43	49
1600	64	600	790	1915	1820	1750	40-49	49
1800	72	670	870	2115	2020	1950	44-49	52
2000	80	760	950	2325	2230	2150	48-49	55

Main Connection Dimensions (PN16)

SIZE		L±3		PN16				
DN	in	13 Series	14 Series	D	D1	D2	n-Ød	b
80	3	114	180	200	160	132	8-19	19
100	4	127	190	220	180	156	8-19	19
125	5	140	200	250	210	184	8-19	19
150	6	140	210	285	240	211	8-23	19
200	8	152	230	340	295	268	12-23	20
250	10	165	250	405	355	320	12-23	22
300	12	178	270	460	410	370	12-23	24.5
350	14	190	290	520	470	430	16-23	24.5
400	16	216	310	585	525	480	16-31	28
450	18	222	330	640	585	548	20-31	30
500	20	229	350	715	650	609	20-34	31.5
600	24	267	390	840	770	720	20-37	36
700	28	292	430	910	840	794	24-37	39.5
800	32	318	470	1025	950	901	24-40	43
900	36	330	510	1125	1050	1001	28-40	46.5
1000	40	410	550	1255	1170	1112	28-43	50
1200	48	470	630	1485	1390	1328	32-49	57
1400	56	530	710	1685	1590	1530	36-49	60
1500	60	570	/	1854	1710	1640	36-56	65
1600	64	600	790	1930	1820	1750	40-56	65
1800	72	670	870	2130	2020	1950	44-56	70
2000	80	760	950	2345	2230	2150	48-62	75

Main Connection Dimensions (PN25)

SIZE		L±3		PN25				
DN	in	13 Series	14 Series	D	D1	D2	n-Ød	b
80	3	114	180	200	160	132	8-19	19
100	4	127	190	235	190	156	8-23	19
125	5	140	200	270	220	184	8-28	19
150	6	140	210	300	250	211	8-28	20
200	8	152	230	360	310	274	12-28	22
250	10	165	250	425	370	330	12-31	25
300	12	178	270	485	430	389	16-31	28
350	14	190	290	555	490	448	16-34	30
400	16	216	310	620	550	503	16-37	32
450	18	222	330	670	600	548	20-37	35
500	20	229	350	730	660	609	20-37	37
600	24	267	390	845	770	720	20-41	42
700	28	292	430	960	875	820	24-44	47
800	32	318	470	1085	990	928	24-50	51
900	36	330	510	1185	1090	1028	28-50	56
1000	40	410	550	1320	1210	1140	28-57	60
1200	48	470	630	1530	1420	1350	32-57	69
1400	56	530	710	1755	1640	1560	36-62	74

◆ K206 Triple Eccentric Butterfly Valve

Flange Type
Triple Eccentric Butterfly ValveWafer Type
Triple Eccentric Butterfly ValveLug Type
Triple Eccentric Butterfly Valve

1. The butterfly disc seal packing collar for hard is soft double-dacked, has the hard soft seal dual seal merit, regardless of in the low temperature or under the high temperature operating mode, has the fine sealing property.
2. Uses three eccentric structures, the valve seat and the butterfly disc nearly no friction, has the pressure tighter sealing property, achieved zero leakage.
3. Opens shuts the moment of force slightly, the operation nimble, the vigor energy conservation, the service life is longer.
4. The most stable, bears the high pressure, the air-corrosive applicable scope is broad.
5. The new generation of triple eccentric PTFE seal butterfly valve combines the advantages of triple eccentric seal structure and soft seal. It has more reliable sealing performance, wider application range and longer service life.
6. The electric and pneumatic devices adopt famous domestic and foreign products, with more reliable performance (can be specified by the user).

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Top flange	Size Range
JB/T 8527 API609 EN593 ISO10631	GB/T 12221 API609 ASME B16.10 EN 558 ISO 5752	GB/T 9113 ASME B16.5 ASME B16.47 EN 1092 ISO7005	GB/T 13927 API598 EN12266-1 ISO 5208	ISO 5211	DN50-DN2000

◆ Main Parts Material

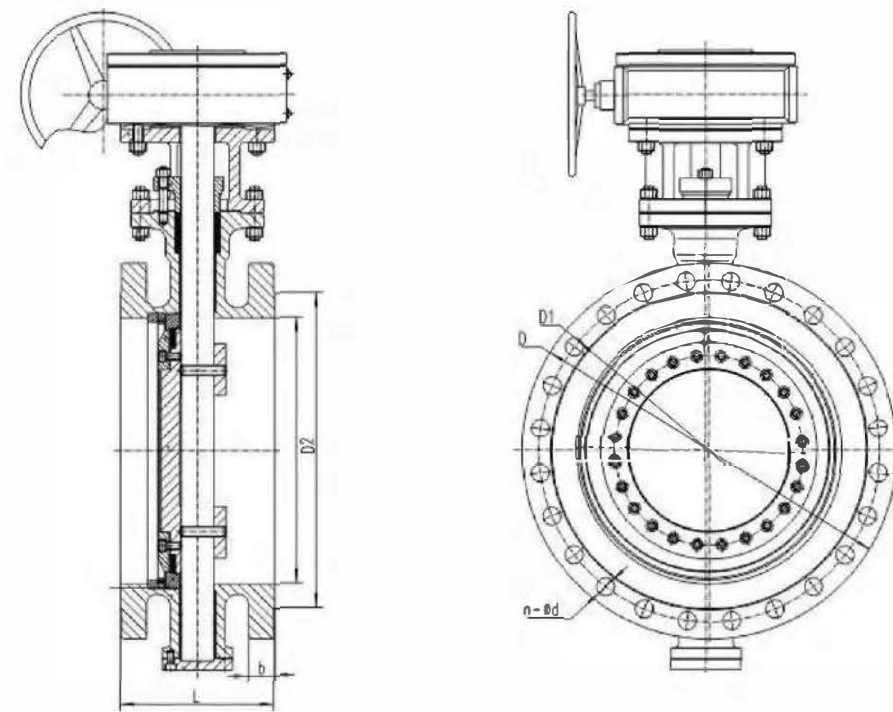
Part Name	Material
Body	WCB、SS304、Cr-Mo steel、Alloy steel
Disc	DI, WCB, SS, CF8, 2205
Stem	SS304, SS316, SS410
Seal ring	SS304, SS316, STL, 13Cr
Non-metallic sealing ring	PTFE, RPEFE, Graphite
Operate	Worm gear, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Nominal pressure PN(Mpa)	Nominal diameter DN(mm)	Test pressure		Temperature	Medium	Actuation form
		Shell	Seal			
1.0	50-2000	1.5	1.1	-29℃≤Carbon steels≤425℃ -196℃≤Stainless steels≤600℃ Cr-Mo steels550R℃	Water, steam, oil quality , acids corrosive medium	Handle, worm gear, electrically operated, Pneumatic operated
1.6		2.4	1.76			
2.5		3.75	2.75			
4.0	100-600	6.0	4.4			
6.3	100-600	9.6	7.04			

◆ Flange Triple Eccentric Butterfly Valve

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Main Connection Dimensions (PN10)

SIZE		L	PN10				
DN	in		D	D1	D2	n-Φd	b
50	2	108	165	125	102	4-19	18
65	2.5	112	185	145	122	4-19	18
80	3	114	200	160	138	8-19	20
100	4	127	220	180	158	8-19	20
125	5	140	250	210	188	8-19	22
150	6	140	285	240	212	8-23	22
200	8	152	340	295	268	8-23	24
250	10	165	395	350	320	12-23	26
300	12	178	445	400	370	12-23	26
350	14	190	505	460	430	16-23	26
400	16	216	565	515	482	16-28	26
450	18	222	615	565	532	20-28	28
500	20	229	670	620	585	20-28	28
600	24	267	780	725	685	20-31	34
700	28	292	895	840	800	24-31	34
800	32	318	1015	950	905	24-34	36
900	36	330	1115	1050	1005	28-34	38
1000	40	410	1230	1160	1110	28-37	38
1200	48	470	1455	1380	1330	32-40	44
1400	56	530	1675	1590	1535	36-43	48
1600	64	600	1915	1820	1760	40-49	52
1800	72	670	2115	2020	1960	44-49	56
2000	80	760	2325	2230	2170	48-49	60

Main Connection Dimensions (PN16)

SIZE		L	PN16				
DN	in		D	D1	D2	n-Φd	b
50	2	108	165	125	102	4-19	18
65	2.5	112	185	145	122	4-19	18
80	3	114	200	160	138	8-19	20
100	4	127	220	180	158	8-19	20
125	5	140	250	210	188	8-19	22
150	6	140	285	240	212	8-23	22
200	8	152	340	295	268	12-23	24
250	10	165	405	355	320	12-28	26
300	12	178	460	410	378	12-28	28
350	14	190	520	470	438	16-28	30
400	16	216	580	525	490	16-31	32
450	18	222	640	585	550	20-31	40
500	20	229	715	650	610	20-34	44
600	24	267	840	770	725	20-37	44
700	28	292	910	840	795	24-37	40
800	32	318	1025	950	900	24-40	42
900	36	330	1125	1050	1000	28-40	44
1000	40	410	1255	1170	1115	28-43	46
1200	48	470	1485	1390	1330	32-49	52
1400	56	530	1685	1590	1530	36-49	58
1600	64	600	1930	1820	1750	40-56	64
1800	72	670	2130	2020	1950	44-56	68
2000	80	760	2345	2230	2150	48-62	70

Main Connection Dimensions (PN25)

SIZE		L	PN25				
DN	in		D	D1	D2	n-Φd	b
50	2	108	165	125	102	4-18	20
65	2.5	112	185	145	122	8-18	22
80	3	114	200	160	138	8-18	24
100	4	127	235	190	162	8-22	24
125	5	140	270	220	188	8-26	26
150	6	140	300	250	218	8-26	28
200	8	152	360	310	278	8-26	30
250	10	165	425	370	335	8-30	32
300	12	178	485	430	395	12-30	34
350	14	190	555	490	450	12-33	38
400	16	216	620	550	505	12-36	40
450	18	222	670	600	555	16-36	46
500	20	229	730	660	615	16-36	48
600	24	267	845	770	720	16-39	58
700	28	292	960	875	820	20-42	50
800	32	318	1085	990	930	20-48	54
900	36	330	1185	1090	1030	24-48	58
1000	40	410	1320	1210	1140	24-56	62
1200	48	470	1530	1420	1350	28-56	70
1400	56	530	1755	1640	1560	32-62	76
1600	64	600	1975	1860	1780	36-62	84

Main Connection Dimensions (PN40)

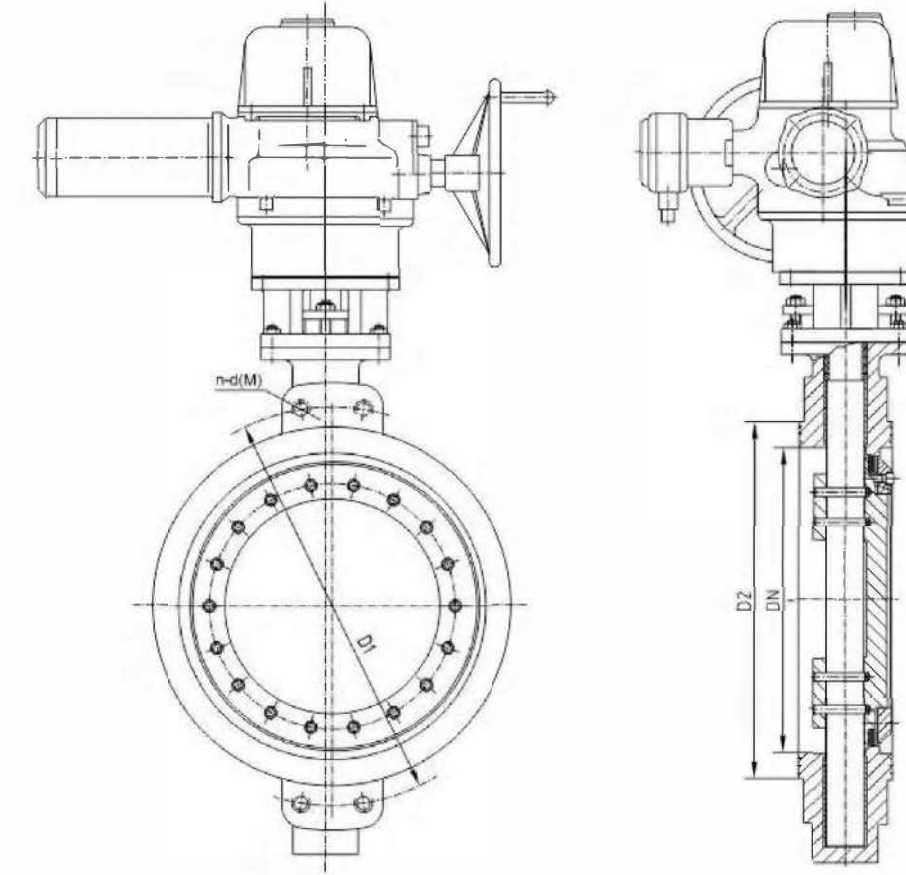
SIZE		L	PN40				
DN	in		D	D1	D2	n-ød	b
50	2	150	165	125	102	4-18	20
65	2.5	170	185	145	122	8-18	22
80	3	180	200	160	138	8-18	24
100	4	190	235	190	162	8-22	24
125	5	200	270	220	188	8-26	26
150	6	210	300	250	218	8-26	28
200	8	230	375	320	285	12-30	34
250	10	250	450	385	310	12-33	38
300	12	270	515	450	345	12-33	42
350	14	290	580	510	465	16-36	46
400	16	310	660	585	535	16-39	50
450	18	330	685	610	560	20-36	57
500	20	350	755	670	615	20-39	57
600	24	390	890	795	735	20-45	72
700	28	430	995	900	840	24-48	64
800	32	470	1140	1030	960	24-56	72
900	36	510	1250	1140	1070	28-56	76
1000	40	550	1360	1250	1180	28-56	80
1200	48	630	1575	1460	1380	32-62	88

Main Connection Dimensions (PN63)

SIZE		L	PN63				
DN	in		D	D1	D2	n-ød	b
50	2	150	180	135	102	4-22	26
65	2.5	170	205	160	122	8-22	26
80	3	180	215	170	138	8-22	28
100	4	190	250	200	162	8-26	30
125	5	200	295	240	188	8-30	34
150	6	210	345	280	218	8-33	36
200	8	230	415	345	285	12-36	42
250	10	250	470	400	345	12-36	45
300	12	270	530	460	410	12-36	52
350	14	290	600	525	465	12-39	56
400	16	310	670	585	535	12-42	60
500	20	350	800	705	615	16-48	68
600	24	390	930	820	735	16-56	76
700	28	430	1045	935	840	20-56	84
800	32	470	1165	1050	960	24-62	92
900	36	510	1285	1170	1070	24-62	98
1000	40	550	1415	1290	1180	24-70	108
1200	48	630	1665	1530	1380	28-78	126

◆ Wafer Triple Eccentric Butterfly Valve

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SIZE		L	PN10			PN16			PN25		
DN	in		D1	D2	n-d(M)	D1	D2	n-d(M)	D1	D2	n-d
80	3	64	160	138	8-18	160	138	8-18	138	8-18	8-18
100	4	64	180	158	8-18	180	158	8-18	162	8-22	8-22
125	5	70	210	188	8-18	210	188	8-18	188	8-26	8-26
150	6	76	240	212	8-22	240	212	8-22	218	8-26	8-26
200	8	89	295	268	8-22	295	268	12-22	278	8-26	12-26
250	10	114	350	320	12-22	355	320	12-26	335	8-30	12-30
300	12	114	400	370	12-22	410	378	12-26	395	12-30	16-M27
350	14	127	460	430	16-M20	470	438	16-M24	450	12-33	16-M30
400	16	140	515	482	16-M24	525	490	16-M27	505	12-36	16-M33
450	18	152	565	532	20-M24	585	550	20-M27	555	16-36	20-M33
500	20	152	620	585	20-M24	650	610	20-M30	615	16-36	20-M33
600	24	154	725	685	20-M27	770	725	20-M33	720	16-39	20-M36
700	28	165	840	800	24-M27	840	795	24-M33	820	20-42	24-M39
800	32	190	950	905	24-M30	950	900	24-M36	930	20-48	24-M45
900	36	203	1050	1005	28-M30	1050	1000	28-M36	1030	24-48	28-M45
1000	40	216	1160	1110	28-M33	1170	1115	28-M39	1140	24-56	28-M52
1200	48	254	1380	1330	32-M36	1390	1330	32-M45	1350	28-56	32-M52
1400	56	279	1590	1535	36-M39	1590	1530	36-M45	1560	32-62	36-M56

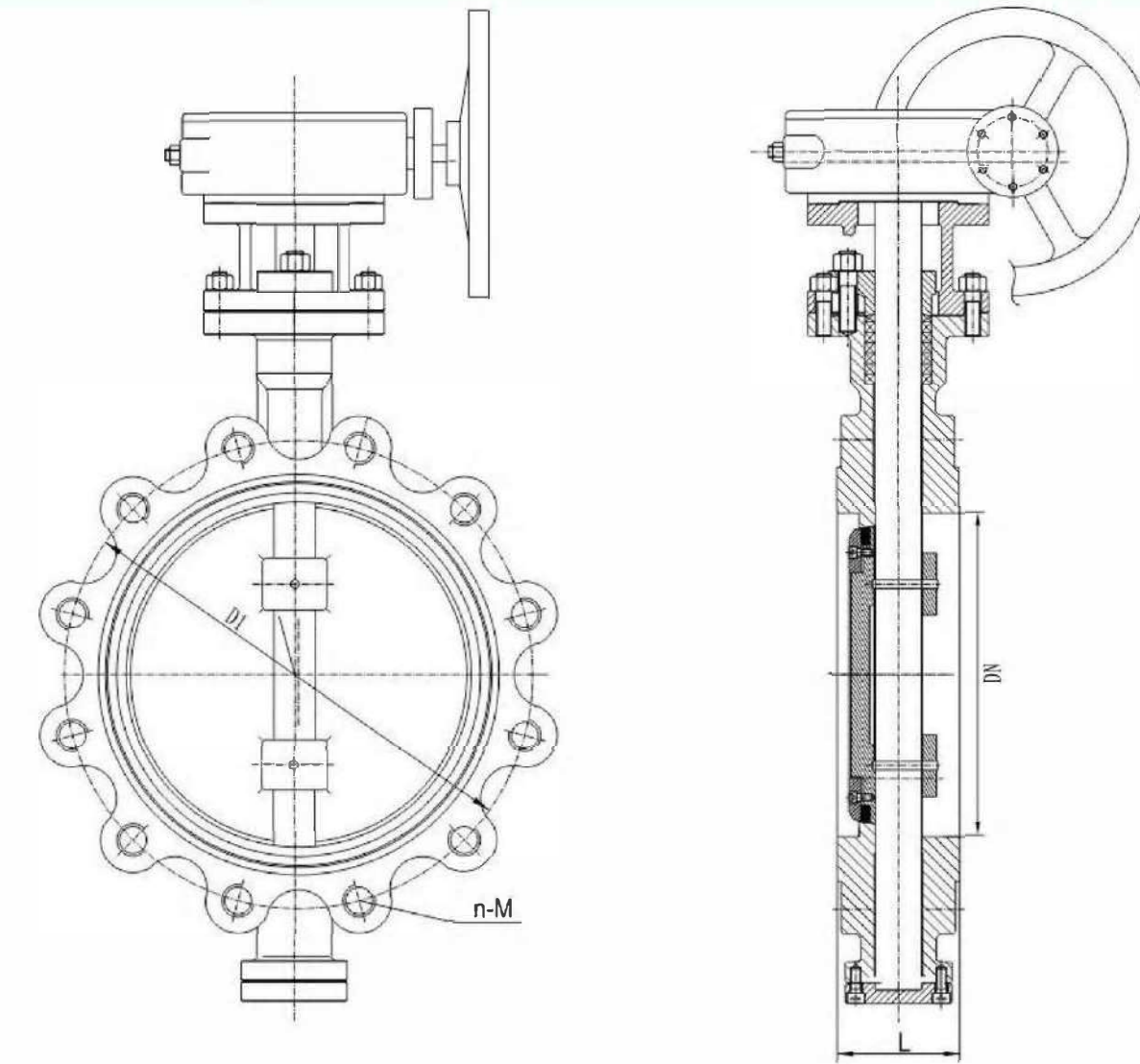
Main Connection Dimensions (PN40)

SIZE		L	PN40		
DN	in		D1	D2	n-d(M)
80	3	64	160	138	8-18
100	4	64	190	162	8-22
125	5	70	220	188	8-26
150	6	76	250	218	8-26
200	8	89	320	285	12-M27
250	10	114	385	345	12-M30
300	12	114	450	310	16-M30
350	14	127	510	465	16-M33
400	16	140	585	535	16-M36
450	18	152	610	560	20-M36
500	20	152	670	615	20-M39
600	24	178	795	735	20-M45
700	28	229	900	840	24-M45
800	32	241	1030	960	24-M52

Main Connection Dimensions (PN63)

SIZE		L	PN63		
DN	in		D1	D2	n-d(M)
80	3	64	170	138	8-22
100	4	64	200	162	8-26
125	5	70	240	188	8-30
150	6	78	280	218	8-33
200	8	102	345	285	12-M33
250	10	117	400	345	12-M33
300	12	140	460	410	16-M33
350	14	155	525	465	16-M36
400	16	178	585	535	16-M39
500	20	216	705	615	20-M45
600	24	232	820	735	20-M52

◆ LT Triple Eccentric Butterfly Valve

$$D_{6.3A3H}^{3-150}_{9-300}$$


Main Connection Dimensions (ASME 16.5)

SIZE		150Lb			300Lb		
Inch	mm	L	D1	n-M	L	D1	n-M
2	50	43	120.7	4-(M5/8" -11UNC)	43	127	8-(M5/8" -11UNC)
2.5	65	46	139.7	4-(M5/8" -11UNC)	46	149.2	8-(M3/4" -10UNC)
3	80	48	152.4	4-(M5/8" -11UNC)	48	168.3	8-(M3/4" -10UNC)
4	100	54	190.5	8-(M5/8" -11UNC)	54	200	8-(M3/4" -10UNC)
5	125	57	215.9	8-(M3/4" -10UNC)	59	235	8-(M3/4" -10UNC)
6	150	57	241.3	8-(M3/4" -10UNC)	59	269.9	12-(M3/4" -10UNC)
8	200	64	298.5	8-(M3/4" -10UNC)	73	330.2	12-(M7/8" -9UNC)
10	250	71	362	12-(M7/8" -9UNC)	83	387.4	16-(M1" -8UN)
12	300	81	431.8	12-(M7/8" -9UNC)	92	450.8	16-(M1 -1/8" -8UN)
14	350	92	476.3	12-(M1" -8UNC)	117	514.4	20-(M1 -1/8" -8UN)
16	400	102	539.8	16-(M1" -8UN)	133	571.5	20-(M1 -1/4" -8UN)
18	450	114	577.9	16-(M1 -1/8" -8UN)	149	628.6	24-(M1 -1/4" -8UN)
20	500	127	635	20-(M1 -1/8" -8UN)	159	685.8	24-(M1 -1/4" -8UN)
24	600	154	749.3	20-(M1 -1/4" -8UN)	181	812.8	24-(M1 -1/2" -8UN)

Main Connection Dimensions (ASME 16.47 Series A)

SIZE		150Lb			300Lb		
Inch	mm	L	D1	n-M	L	D1	n-M
26	650	165	806.4	24-(M1 -1/4" -8UN)	229	876.3	28-(M1 -5/8" -8UN)
28	700	165	863.6	28-(M1 -1/4" -8UN)	229	939.8	28-(M1 -5/8" -8UN)
30	750	190	914.4	28-(M1 -1/4" -8UN)	241	997	28-(M1 -3/4" -8UN)
32	800	190	977.9	28-(M1 -1/2" -8UN)	241	1054.1	28-(M1 -7/8" -8UN)
36	900	203	1085.8	32-(M1 -1/2" -8UN)	241	1168.4	32-(M2" -8UN)
40	1000	216	1200.2	36-(M1 -1/2" -8UN)	330	1155.7	32-(M1 -5/8" -8UN)
44	1100	254	1314.4	40-(M11 -1/2" -8UN)	360	1263.6	32-(M1 -3/4" -8UN)
48	1200	254	1422.4	44-(M11 -1/2" -8UN)	360	1371.6	32-(M1 -7/8" -8UN)
52	1300	279	1536.7	44-(M1 -3/4" -8UN)	390	1479.6	32-(M2" -8UN)
56	1400	279	1651	48-(M1 -3/4" -8UN)	390	1600.2	28-(M2 -1/4" -8UN)
60	1500	318	1759	52-(M1 -3/4" -8UN)	440	1701.8	32-(M2 -1/4" -8UN)

Main Connection Dimensions (ASME 16.47 Series B)

IZE		150Lb			300Lb		
Inch	mm	L	D1	n-M	L	D1	n-M
26	650	165	744.5	36-(M3/4" -10UNC)	229	803.3	32-(M1 -1/4" -8UN)
28	700	165	795.3	40-(M3/4" -10UNC)	229	857.2	36-(M1 -1/4" -8UN)
30	750	190	846.1	44-(M3/4" -10UNC)	241	920.8	36-(M1 -3/8" -8UN)
32	800	190	900.1	48-(M3/4" -10UNC)	241	977.9	32-(M1 -1/2" -8UN)
36	900	203	1009.6	44-(M7/8" -9UNC)	241	1089	32-(M1 -5/8" -8UN)
40	1000	216	1120.8	44-(M1" -8UN)	330	1190.6	40-(M1 -5/8" -8UN)
44	1100	254	1222.4	52-(M1" -8UN)	360	1295.4	40-(M1 -3/4" -8UN)
48	1200	254	1335.1	44-(M1 -1/8" -8UN)	360	1416	40-(M1 -7/8" -8UN)
52	1300	279	1436.7	52-(M1 -1/8" -8UN)	390	1517.6	48-(M1 -7/8" -8UN)
56	1400	279	1543	60-(M1 -1/8" -8UN)	390	1651	36-(M2 -1/4" -8UN)
60	1500	318	1662.1	52-(M11 -1/4" -8UN)	440	1763.7	40-(M2 -1/4" -8UN)

◆ K207 High performance butterfly valve



High-performance butterfly valve is a product developed by our company and imported from Europe's advanced technology. This butterfly valve has an ultra-unique product structure, ultra-reliable sealing performance, ultra-wide working conditions, ultra-low operating torque, ultra-long service life, safety and fire protection under special working conditions, and similar products are in a leading position in the world. This series of high-performance butterfly valves utilize a variety of construction materials, including those that meet NACE requirements and are corrosion-resistant. And can provide special valves for chlorine, oxygen, high vacuum and corrosive media and low temperature environments.

Using a unique dynamically sealed PTFE valve seat design, it has good elasticity and high reliability.

No need to add O-rings or metal parts to maintain seal;

Lip seal structure can compensate for changes in temperature and pressure;

Long service life and low maintenance;

Sealing test, no bubble leakage in both directions.

◆ Main Parts Material

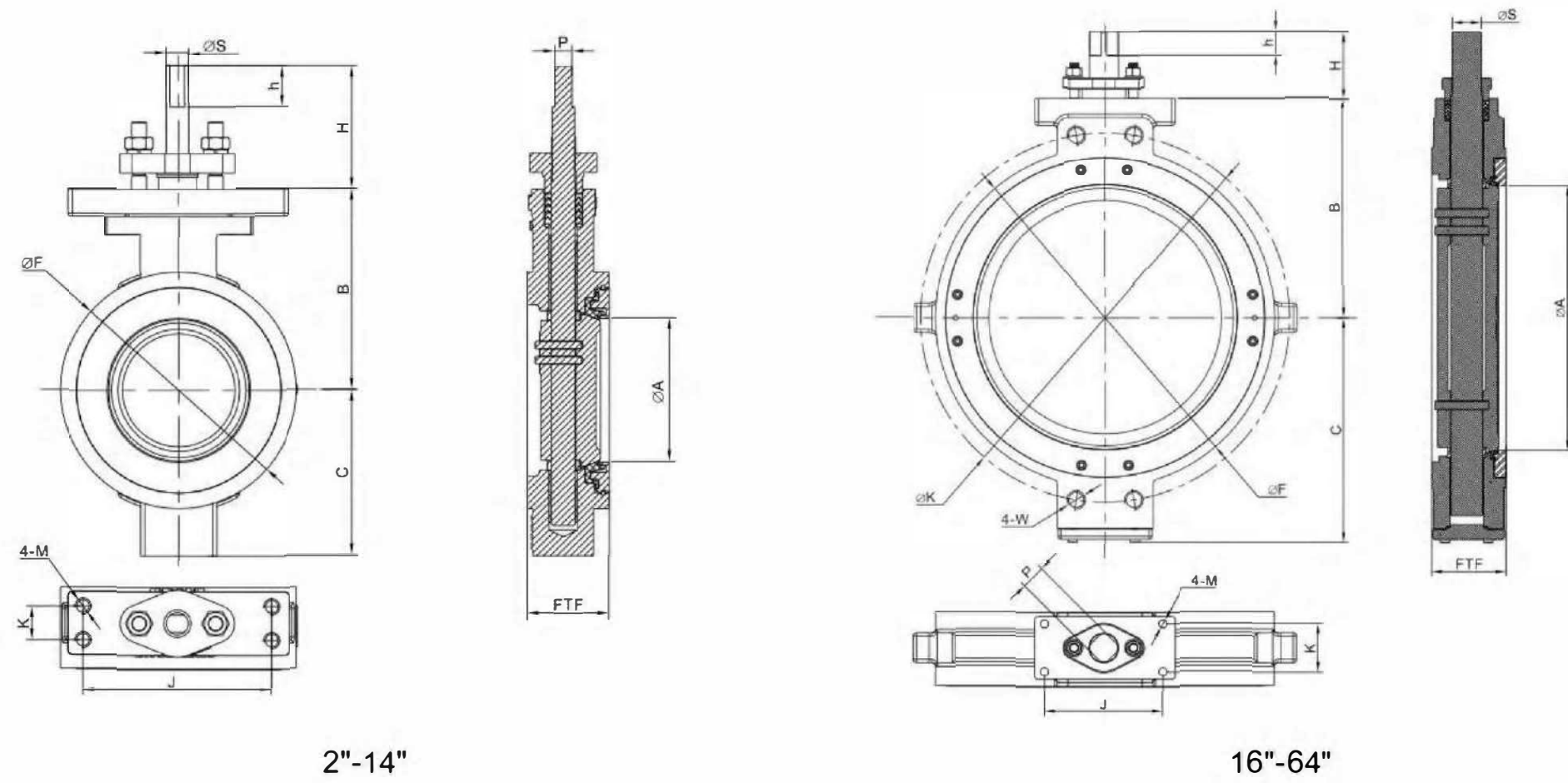
Part Name	Material
Body	WCB, CF3, CF8, CF3M, CF8M
Disc	CF3, CF8, CF3M, CF8M
Stem	17-4PH, SS304, SS316, 1CR13, 2CR13
Seat	PTFE, RPTFE, PPL
Operate	Manual, Bare Stem, Electric Actuator, Pneumatic Actuator

◆ Main Performance Specifications

Temperature	Rated value of 150lb body (bar)			
	Carbon steel	316 Stainless steel	20# alloy	Monel
-20 to38	19.7	9.0	15.8	15.8
93	17.9	6.5	13.8	13.8
149	15.8	4.8	12.4	13.1
204	13.8	13.4	11.0	12.8
260	11.7	11.7	10.3	11.7
Test pressure	31	29.3	24.1	24.1

Temperature	Rated value of 300lb body (bar)			
	Carbon steel	316 Stainless steel	20# alloy	Monel
-20 to38	51	49.6	41.4	41.1
93	46.5	42.7	35.9	36.5
149	45.2	38.6	32.1	34.1
204	43.8	35.5	29	33.1
260	41.4	33.1	26.9	32.8
Test pressure	77.6	75.8	62	62

◆ 150LB Wafer Butterfly Valve



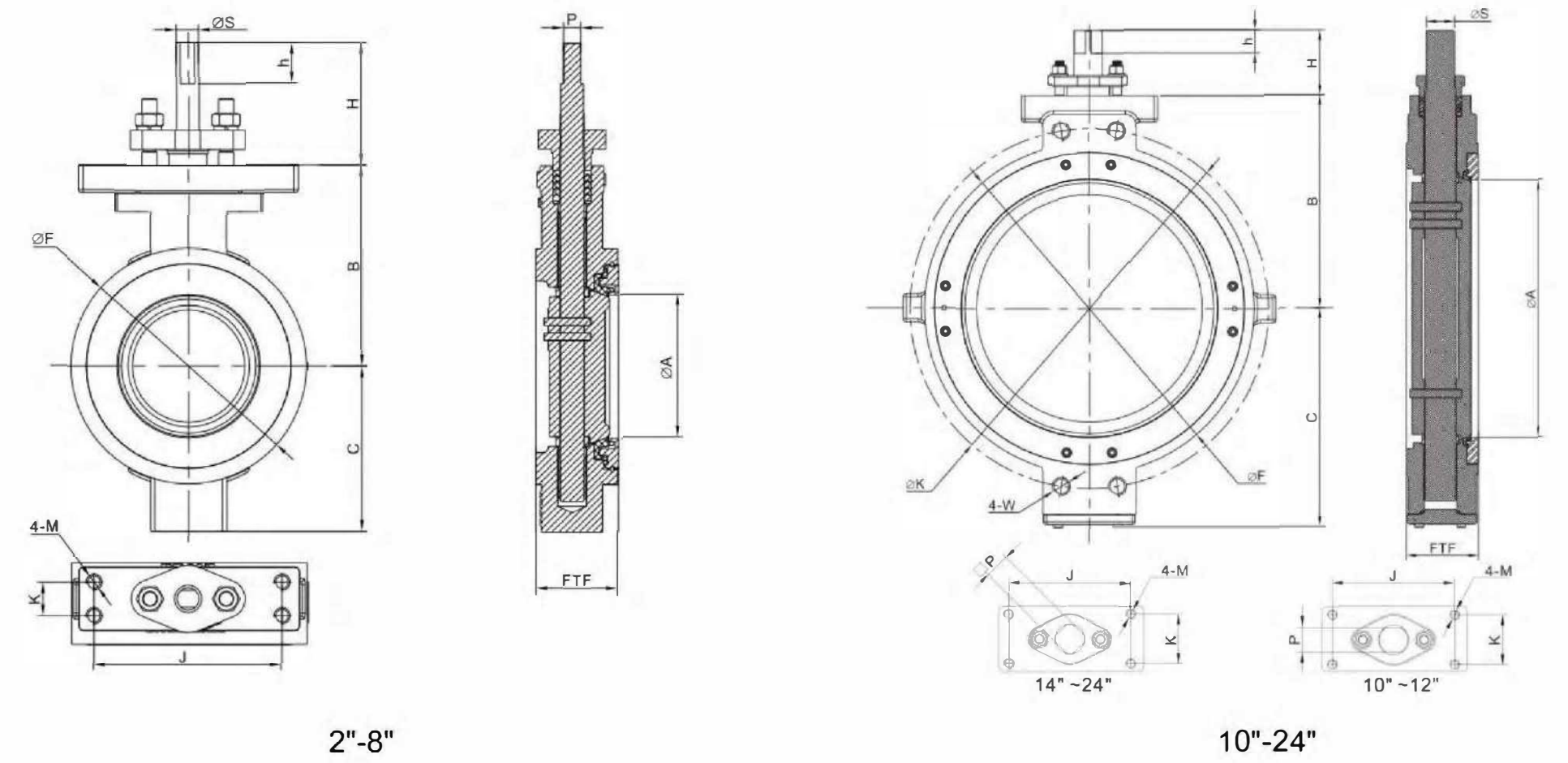
2"-14" 150LB

NPS	ØA	B	C	ØF	FTF±3.3	H	h	P	ØS	J	K	M
1 1/2"	38	82	70	102	44	42.5	14	7	10	125.4	22.4	M10
2"	50	82	70	102	44	42.5	14	7	10	125.4	22.4	M10
2.5"	59	111	82	118	48	82	27	11.2	14.8	125.4	22.4	M10
3"	73	120	93	132	48	82	27	11.2	14.8	125.4	22.4	M10
4"	96	133	110	157	54	82	27	11.2	14.8	125.4	22.4	M10
5"	111	135	120	186	57	82	27	11.2	14.8	125.4	22.4	M10
6"	142	152	135	217	57	82	27	14	18	125.4	22.4	M10
8"	188	187	172	273	64	82	27	15.9	21.9	125.4	22.4	M10
10"	236	231	202	330	71	97	28	20.6	28	142.7	37.3	M12
12"	282	260	241	376	81	97	33	23.8	33.3	142.7	37.3	M12
14"	314	315	295	413	92	105	41	28.7	37	142.7	37.3	M16

16"-48" 150LB

NPS	ØA	B	C	ØF	FTF±3.3	H	h	P	ØS	J	K	M	ØK	4-W
16"	362	355	329	470	102	111	41	33.5	42	203.2	82.6	M16	539.8	11/8"-8UN
18"	413	356	340	533	114	111	41	35	47	203.2	82.6	M16	577.9	11/8"-8UN
20"	455	377	387	584	127	115	41	41.4	50	203.2	82.6	M16	635	11/8"-8UN
24"	548	490	467	692	154	130	51	51	64	254	107.7	M20	749.3	11/4"-8UN
28"	682	570	552	799	165	157	50.8	50.8	66	254	107.7	M20	863.6	11/4"-8UN
30"	702	570	557	863	167	157	50.8	50.8	66	254	107.7	M20	914.4	11/4"-8UN
32"	702	570	557	905	191	157	50.8	50.8	66	254	107.7	M20	977.9	11/2"-8UN
48"	1168	841	805	1385	254	293	90	90	125	381	178	M20	1422.4	11/2"-8UN

◆ 300LB Wafer Butterfly Valve



2"-8" 300LB

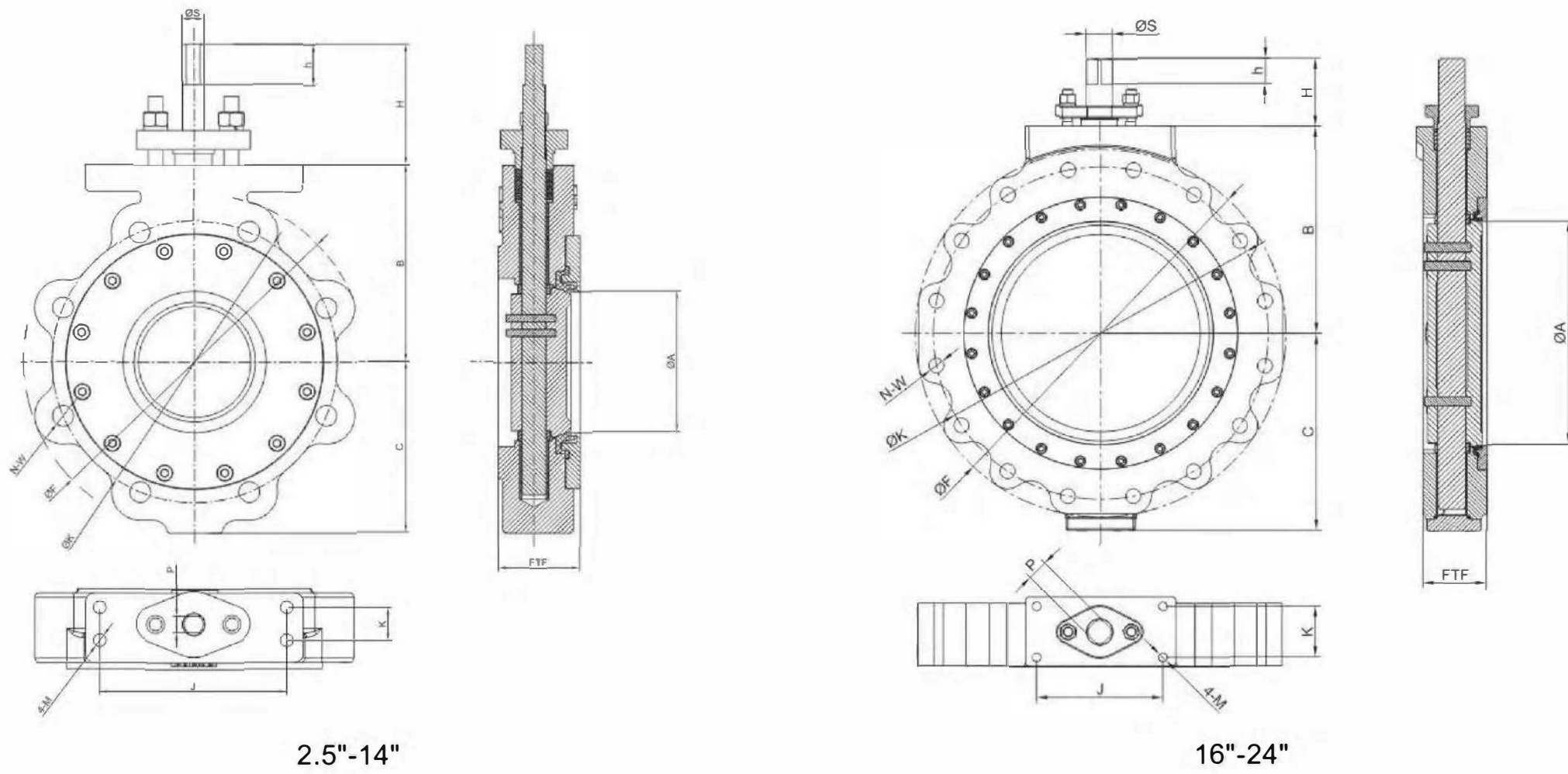
NPS	ØA	B	C	ØF	FTF+3.3	H	h	P	ØS	J	K	M
2"	38	81.8	70	102	44	42.5	14	7	10	125.4	22.4	M10
2.5"	59	111.1	82.5	118	48	82	27	11.2	14.8	125.4	22.4	M10
3"	73	120.5	93	132	48	82	27	11.2	14.8	125.4	22.4	M10
4"	96	133.3	110	157	54	82	27	11.2	14.8	125.4	22.4	M10
5"	111	135	120	186	57	82	27	11.2	14.8	125.4	22.4	M10
6"	142	174	153	217	59	82	27	15.9	21.9	125.4	22.4	M10
8"	188	212	180	273	73	95	28	20.6	28	142.7	37.3	M12

10"-24" 300LB

NPS	ØA	B	C	ØF	FTF±3.3	H	h	P	ØS	J	K	M	ØK	4-W
10"	236	254	222	327	83	100	33	23.8	33.3	142.7	37.3	M12	387.4	1"-8UN
12"	282	282	284	385	92	105	41	28.7	37	142.7	37.3	M12	450.8	11/8"-8UN

NPS	ØA	B	C	ØF	FTF±3.3	H	h	□P	ØS	J	K	M	ØK	4-W
14"	314	325	310	416	117	102	34.5	41.4	50	203.2	82.6	M16	514.4	11/8"-8UN
16"	362	350	338	472	133	102	34.5	41.4	50	203.2	82.6	M16	571.5	11/4"-8UN
18"	413	424	412	537	149	118	40	51	64	254	107.7	M20	628.6	11/4"-8UN
20"	454	446	440	588	159	130	43	51	64	254	107.7	M20	658.8	11/4"-8UN
24"	548	500	505	692	181	145	60	51	64	254	107.7	M20	812.8	11/2"-8UN

◆ 150LB LT Butterfly Valve



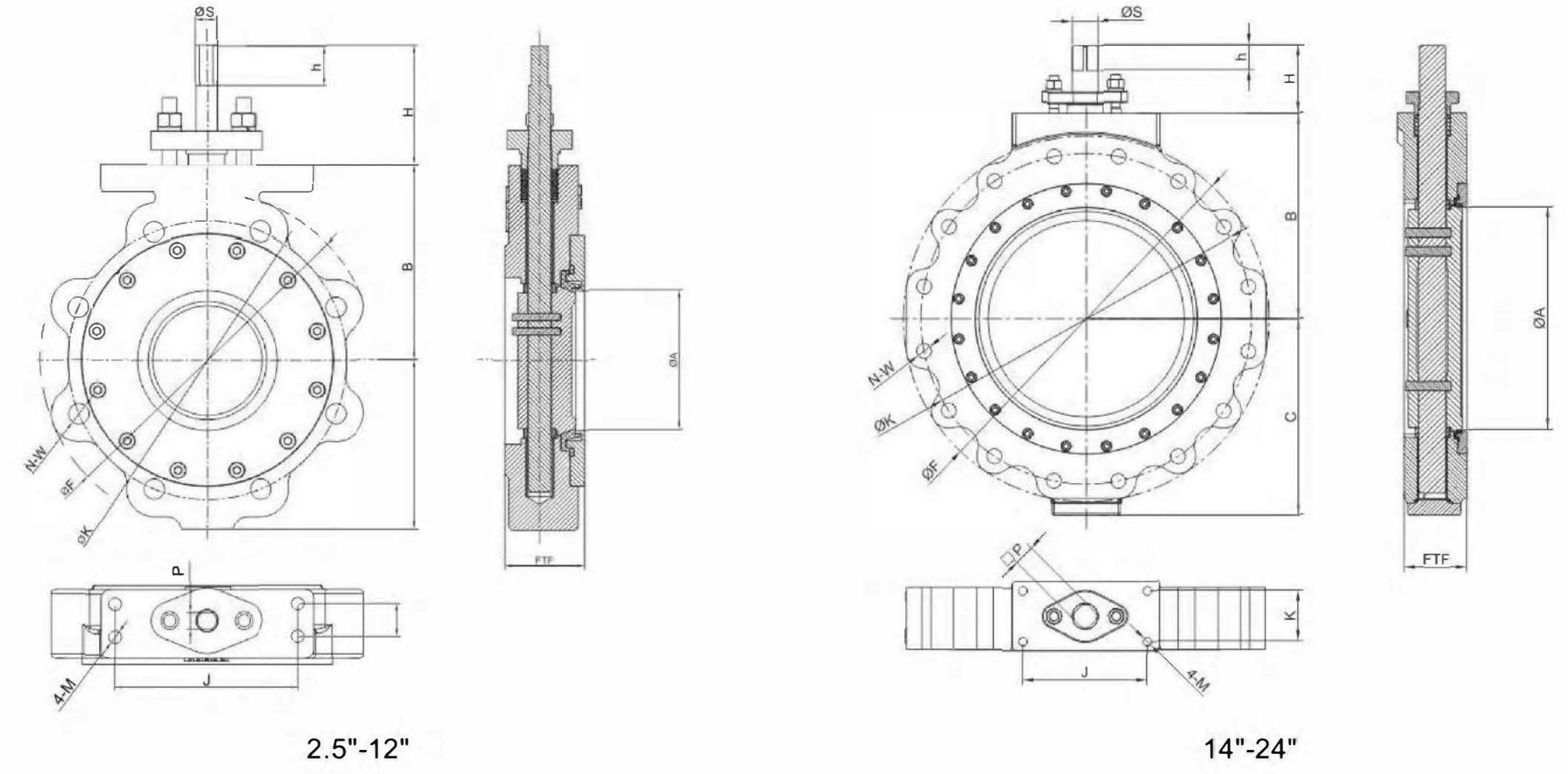
2.5"-14" 150LB

NPS	ØA	B	C	FTF±3.3	H	h	P	ØS	J	K	M	ØF	ØK	N-W
2.5"	59	111.1	82.5	48	82	27	11.2	14.8	125.4	22.4	M10	180	139.7	4-5/8"-11UNC
3"	73	120.5	93	48	82	27	11.2	14.8	125.4	22.4	M10	190	152.4	4-5/8"-11UNC
4"	96	133.3	110	54	82	27	11.2	14.8	125.4	22.4	M10	230	190.5	8-5/8"-11UNC
5"	111	135	120	57	82	27	11.2	14.8	125.4	22.4	M10	255	215.9	8-3/4"-10UNC
6"	142	152.4	135	57	82	27	14	18	125.4	22.4	M10	280	241.3	8-3/4"-10UNC
8"	188	187.3	172	64	82	27	15.9	21.9	125.4	22.4	M10	345	298.5	8-3/4"-10UNC
10"	236	231.8	202	71	97	28	20.6	28	142.7	37.3	M12	405	362	12-7/8"-9UNC
12"	282	260.3	241.3	81	97	33	23.8	33.3	142.7	37.3	M12	485	431.8	12-7/8"-9UNC
14"	314	315	295	92	105	41	28.7	37	142.7	37.3	M16	535	476.3	12-1"-8UN

16"-24" 150LB

NPS	ØA	B	C	FTF±3.3	H	h	P	ØS	J	K	M	ØF	ØK	N-W
16"	362	355	329	102	111	41	33.5	42	203.2	82.6	M16	595	539.8	16-1"-8UN
18"	413	356	340	114	111	41	35	47	203.2	82.6	M16	635	577.9	16-11/8"-8UN
20"	455	377	387	127	115	41	41.4	50	203.2	82.6	M16	700	635	20-11/8"-8UN
24"	548	490	467	154	130	51	51	64	254	107.7	M20	815	749.3	20-11/4"-8UN

◆ 300LB 150LB LT Butterfly Valve



2.5"-12" 300LB

NPS	ØA	B	C	FTF±3.3	H	h	P	ØS	J	K	M	ØF	ØK	N-W
2.5"	59	111	90	48	82	27	11.2	14.8	125.4	22.4	M10	191	149.2	8-3/4"-10UNC
3"	73	121	113	48	82	27	11.2	14.8	125.4	22.4	M10	207	168.3	8-3/4"-10UNC
4"	96	133	125	54	82	27	11.2	14.8	125.4	22.4	M10	238	200	8-3/4"-10UNC
5"	111	153	127	57	82	27	11.2	14.8	125.4	22.4	M10	279	235	8-3/4"-10UNC
6"	142	175	174	59	82	27	15.9	21.9	125.4	22.4	M10	308	269.9	12-3/4"-10UNC
8"	188	213	189	73	93	28	20.6	28	142.7	37.3	M12	381	330.2	12-7/8"-9UNC
10"	236	254	239	83	99	33	23.8	33.3	142.7	37.3	M12	445	387.4	16-1"-8UNC
12"	282	283	286	92	106	41	28.7	37	142.7	37.3	M12	514	450.8	16-11/8"-8UNC

14"-24" 300LB

NPS	ØA	B	C	FTF±3.3	H	h	□P	ØS	J	K	M	ØF	ØK	N-W
14"	314	325	312	117	102	34.5	41.4	50	203.2	82.6	M16	584	514.4	20-11/8"-8UN
16"	363	350	341	133	102	34.5	41.4	50	203.2	82.6	M16	647	571.5	20-11/4"-8UN
18"	413	424	418	149	118	40	51	64	254	107.7	M20	711	628.6	24-11/4"-8UN
20"	455	446	441	159	130	43	51	64	254	107.7	M20	774	685.8	24-11/4"-8UN
24"	549	500	507	181	145	60	51	64	254	107.7	M20	914	812.8	24-11/2"-8UN

CHECK VALVE

03



◆ K301 Double Plate Check Valve



Butterfly double plate check valve is designed by our factory with foreign advanced structure, It conforms to relevant national standards and is an energy-saving product. This product has good check performance, safe and reliable. The flow resistance coefficient is small. Mainly used in petroleum, chemical, food, medicine, textile, paper, water supply and drainage, smelting and energy systems. Used as a one-way valve.

1. It has small volume, compact structure and convenient maintenance.
2. The valve board takes antithetic formula, which can achieve quick closing automatically under the flexibility torque of spring.
3. The medium can be prevented to back flow because of quick closing. and the firefighting water hammer has strong function.
1. The length of valve body structure is small, and it has good rigid, which is also safe and reliable.
5. It achieves complete sealing, and the leakage of hydrostatic test is zero.
6. It is convenient to install, which can be installed in horizontal direction and vertical direction.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
BS5155 EN593 API594	BS5155 EN558 API594	EN1092 BS4504 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN12266 -1 API598	DN25 -DN1200

◆ Main Parts Material

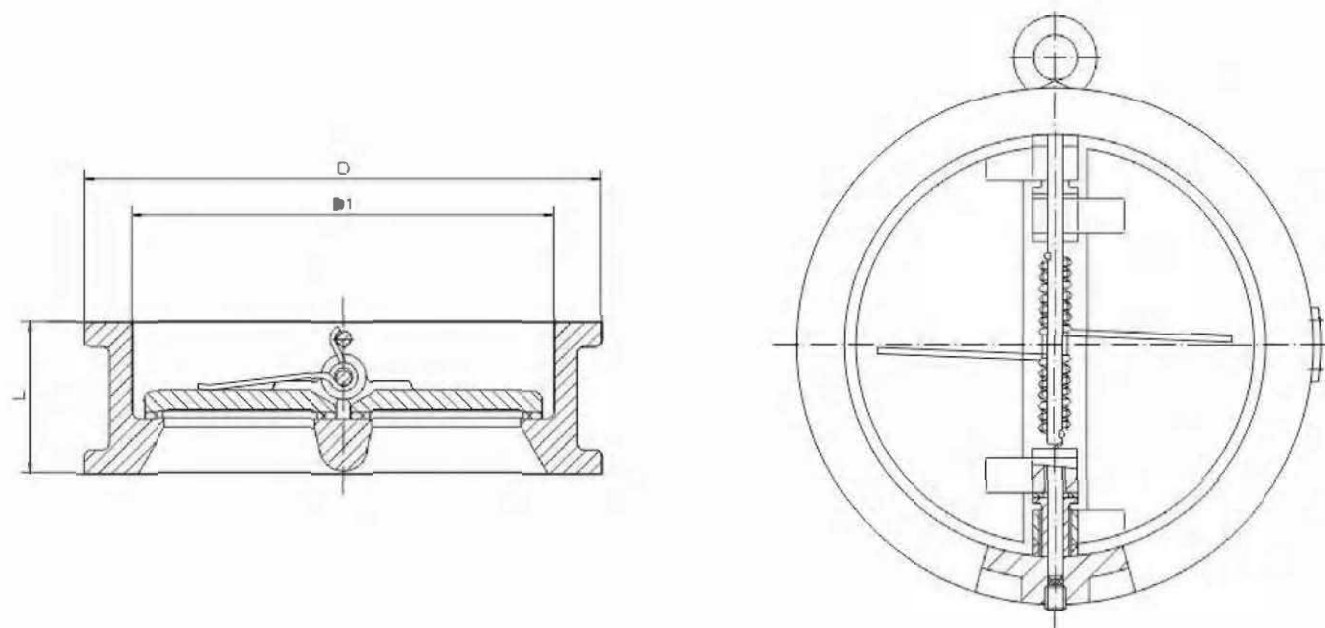
Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, Brass
Disc	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, 2205, AL-BZ
Stem	SS304, SS316, SS410, SS420, Brass, Bronze
Seat	NBR, EPDM, PTFE, Silicone rubber
Spring	SS304, SS316

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Temperature	Medium
	Mpa	Shell			
PN10	1.5	1.1	DN40-DN1200	0~80℃	Water、Sewage
PN16	2.4	1.76			
10K	1.5	1.1			
125LB	2.4	1.76			
150LB	3.0	2.2			

◆ Main Connection Dimensions

H77X-¹⁰/₁₆/¹⁵⁰



SIZE		Main dimensions(mm)							D1
DN	INCH	L		D					
		PN10/16	150LB	PN10	PN16	150LB	5K	10K	
40	1.5	43	/	92	92	/	/	83	65
50	2	43	60	107	107	102	90	101	65
65	2.5	46	67	127	127	121	115	121	80
80	3	64	73	142	142	133	126	131	94
100	4	64	73	162	162	172	146	156	117
125	5	70	83	192	192	194	181	187	145
150	6	76	98	217	217	219	211	217	170
200	8	89	127	273	273	276	257	267	224
250	10	114	146	328	328	337	322	330	267
300	12	114	181	378	378	406	367	375	310
350	14	127	184	438	442	448	410	420	360
400	16	140	191	489	495	511	470	483	410
450	18	152	203	539	555	546	530	539	455
500	20	152	219	594	617	603	580	594	505
600	24	178	222	695	734	814	688	697	624
700	28	229	305	810	803	828	793	807	722
750	30	305	305	866	863	879	847	867	762
800	32	241	305	916	910	937	897	917	827
900	36	241	368	1016	1010	1045	997	1017	927
1000	40	300	/	1123	1127	1159	1097	1121	1050
1100	42	300	/	1233	1227	1273	1207	1231	1150
1200	44	350	524	1340	1340	1381	1317	1341	1250

◆ K302 Swing Check Valve



Swing check valve is also known as one-way valve or check valve, its function is to prevent the inserted medium from flowing back. The valve that opens or closes on its own by the flow and force of the medium to prevent the medium from flowing back is called a check valve. Check valves belong to the category of automatic valves, which are mainly used in pipelines where the medium flows in one direction, and only allow the medium to flow in one direction to prevent accidents.

1. The valve flow is streamlined, low resistance .
2. The open-close part is control by medium itself to prevent backflow.
3. Seal the pair of pairs of advanced and reasonable, disc, valve seat sealing surface with iron-based alloy or Si Tai Li cobalt-based carbide welding, wear, high temperature, corrosion resistance, anti-scratch ability, long service life.
4. Products can be used in a variety of piping flange and flange standard and flange seal type, to meet a variety of engineering needs and user requirements.
5. Valve body variety, seal can be based on actual conditions or user requirements reasonable matching, can be applied to a variety of pressure, temperature and medium conditions.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	压力与试验 Pressure and testing	尺寸范围 Size Range
BS5153 BS1868 DIN EN 12334 API 600 API 6D ANSI B16.34 GB/T 12234	EN558 DIN3202 ISO5752 ANSI B16.10 GB/T 12221	EN1092 BS4504 DIN2501 ANSI B16.1/16.5 JIS 5K/10K	EN12266-1 API598	DN40-DN300

◆ Main Parts Material

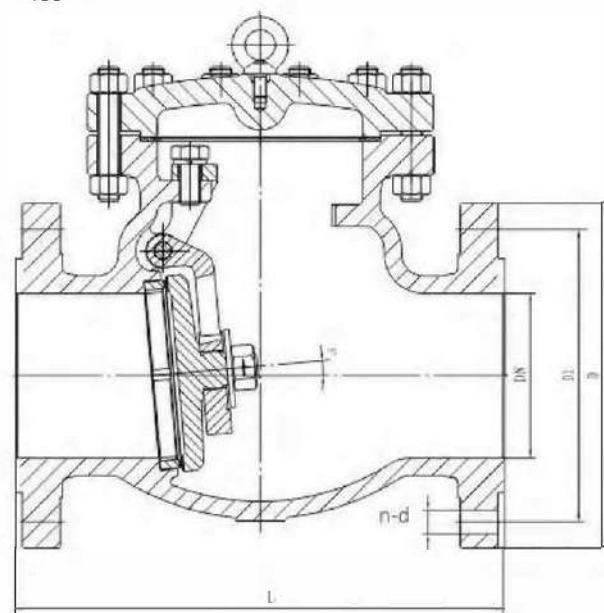
Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Disc	DI, WCB, CF3, CF8, CF3M, CF8M
Disc Seal	NBR/EPDM Brass/Bronze
Seat	DI, SS304, Brass, Bronze
Temperature	0-80℃ ~20-200℃
Applicable medium	Water, Sewage

Main Performance Specifications

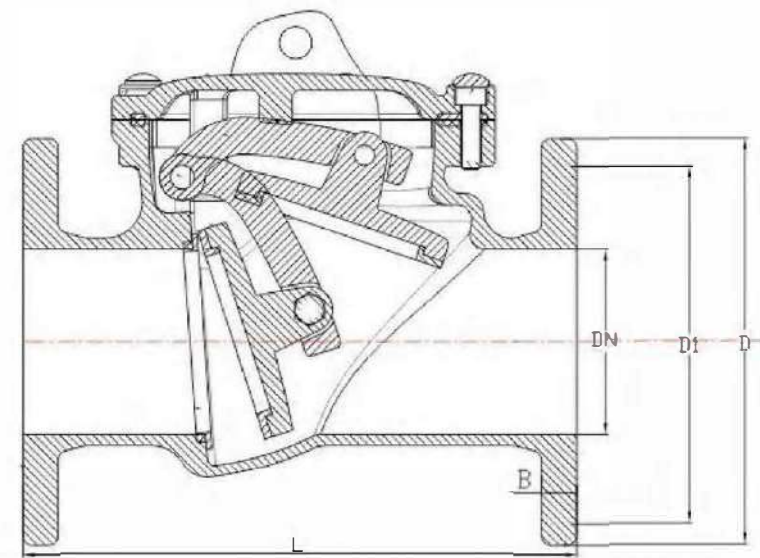
Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-600	Water, Source Water, Sewage, Oil	Seal: EPDM/NBR(0-80°C) Seal: Brass/Bronze(~20-200°C)
PN16	2.4	1.76			
10K	1.5	1.1			
150LB	3.0	2.2			

Main Connection Dimensions

H44H-¹⁰/₁₆/₁₅₀



K302A



K302B

SIZE		Main dimensions(mm)																		
		L				D				D1				n-d						
DN	INCH	DIN	BS	ANSI	JIS	DIN BS 10/16	ANSI	JIS 5K/10K	DIN BS 10/16	ANSI	JIS 5K/10K	DIN BS 10/16	ANSI	JIS 5K/10K						
40	1.5	180	165	165	165	150	150	127	120	140	110	110	99	95	105	4-19	4-19	4-16	4-15	4-19
50	2	200	203	203	203	165	165	152	130	155	125	125	121	105	120	4-19	4-19	4-19	4-15	4-19
65	2.5	240	216	216	216	185	185	178	155	175	145	145	140	130	140	4-19	4-19	4-19	4-15	4-19
80	3	260	241	241	241	200	200	191	180	185	160	160	152	145	150	8-19	8-19	4-19	4-18	8-19
100	4	300	292	292	292	220	220	229	200	210	180	180	191	165	175	8-19	8-19	8-19	8-18	8-19
125	5	350	330	330	330	250	250	254	235	250	210	210	216	200	210	8-19	8-19	8-23	8-18	8-23
150	6	400	356	356	356	285	285	279	265	280	240	240	241	230	240	8-23	8-23	8-23	8-18	8-23
200	8	500	495	495	495	340	340	343	320	330	295	295	299	280	290	8-23	12-23	8-29	8-22	12-23
250	10	600	622	622	622	395	405	406	385	400	350	355	362	345	355	12-23	12-28	12-26	12-22	12-25
300	12	700	698	698	698	445	460	483	430	445	400	410	432	390	400	12-23	12-28	12-26	12-22	16-25

K303 Ball Type Check Valve



Sliding path Ball type check valve uses the rubber covered roller as the disc, when, under the action of the medium, can roll up and down a long with the integral sliding path inside the valve so as to open or close it. It features by good tightness, silent close and no production of water hammer. The body is full water-flow path design, big flow, small resistance and the water head loss is smaller that of the swing type by 50%. It is mountable vertically or horizontally and can be used for cold-water, hot-water, industrial and living sludge pipe networks, especially suitable for the submersible sludge pump. The medium temperature:0-80 C

Main Performance Specifications

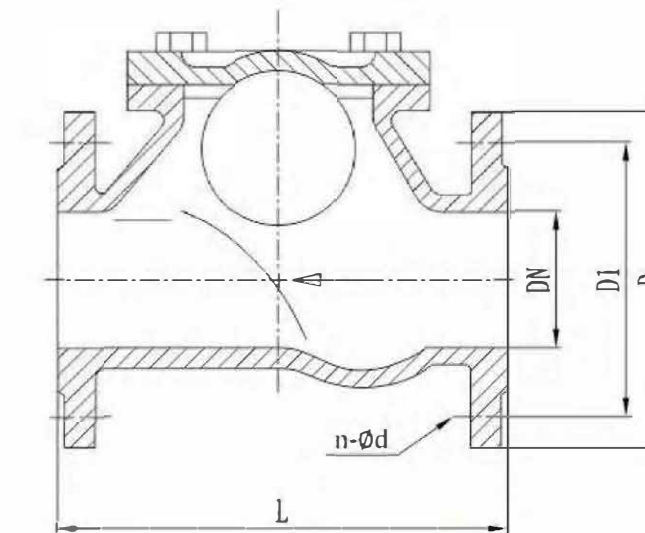
Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-300	≤80°C	Water and Sewage
1.6	2.4	1.76			

Main Parts Material

Part Name	材质 Material
阀体 Body	GGG50, DI, A536, WCB
阀盖 Bonnet	GGG50, DI, A536, WCB
球 Ball	DI/SS304+EPDM/NBR

Main Connection Dimensions

HQ41X-¹⁰/₁₆ Q



SIZE		Main dimensions(mm)							
DN	INCH	L	D		D1		n-Ød		
			PN10	PN16	PN10	PN16	PN10	PN16	
50	2	220	160	160	135	135	4-19	4-19	
65	2.5	230	180	180	145	145	4-19	4-19	
80	3	255	195	195	160	160	8-19	8-19	
100	4	282	215	215	180	180	8-19	8-19	
125	5	312	245	245	210	210	8-19	8-19	
150	6	350	285	285	240	240	8-23	8-23	
200	8	400	335	335	295	295	8-23	12-23	
250	10	500	400	400	350	355	12-23	12-28	
300	12	550	455	455	400	410	12-23	12-28	

◆ K303 Quick Disassembly Check Valve



A quick disassembly ball check valve is a type of ball check valve designed for easy maintenance and servicing. These valves are constructed in a manner that allows them to be quickly disassembled without the need for specialized tools. This feature is particularly beneficial in applications where frequent inspection, cleaning, or replacement of internal components is necessary. Applications for quick disassembly ball check valves include industries such as food and beverage, pharmaceuticals, chemical processing, and water treatment. By providing easy access for maintenance and servicing, these valves help ensure the reliability and efficiency of fluid control systems.

◆ Main Performance Specifications

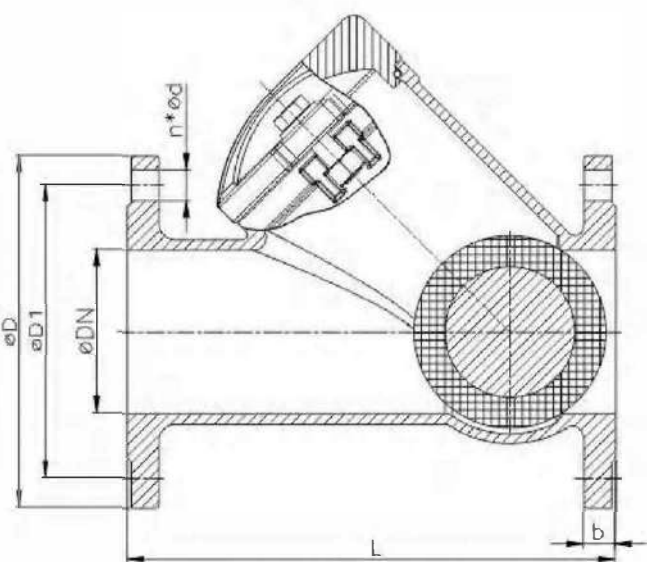
Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-300	≤80°C	水、污水 Water and Sewage
1.6	2.4	1.76			

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB
Bonnet	GGG50, DI, A536, WCB
Ball	DI/SS304+EPDM/NBR

◆ Main Connection Dimensions

HQ41X-16



SIZE		Main dimensions(mm)						
DN	INCH	L		D	D1	D2	n-Ød	b
mm	in	BS	DIN	PN16				
50	2	203	200	165	125	99	4-19	19
65	2.5	216	240	185	145	118	4-19	19
80	3	241	260	200	160	132	8-19	19
100	4	292	300	220	180	156	8-19	19
125	5	330	350	250	210	184	8-19	19
150	6	356	400	285	240	211	8-23	19
200	8	495	500	340	295	268	12-23	20
250	10	622	600	405	355	320	12-28	22
300	12	698	700	460	410	378	12-28	24
350	14	/	800	520	470	429	16-28	26
400	16	/	900	580	525	480	16-31	28
500	20	/	1100	715	650	609	20-34	31
600	24	/	1300	780	770	720	20-36	36

◆ K304



A rubber flap check valve, also known simply as a flap check valve, is a type of check valve that uses a flexible rubber flap or disc as the moving component to control the flow of fluids. This valve is designed to allow fluid to flow in one direction while preventing backflow in the opposite direction.

Rubber flap check valves are commonly used in a variety of applications due to their simplicity, reliability, and effectiveness in preventing backflow. Some key features and advantages of rubber flap check valves include:

1. Low maintenance: Rubber flap check valves have few moving parts and are typically resistant to fouling and clogging, reducing the need for frequent maintenance or cleaning.
2. Quiet operation: The flexible rubber flap or disc helps dampen the flow of fluid, resulting in quiet and smooth operation compared to other types of check valves.
3. Cost-effectiveness: Rubber flap check valves are generally more affordable than other types of check valves, making them a cost-effective choice for many fluid control applications.
4. Rubber flap check valves find applications in industries such as wastewater treatment, sewage systems, drainage systems, industrial processing, marine applications, and HVAC systems, where backflow prevention is necessary to maintain the integrity and efficiency of fluid systems.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
BS5153 DIN EN 12334	DIN3202 BS5153 GB/T 12221	EN1092 BS4504 DIN2501 ANSI B16.1/16.5	EN12266-1 API598	DN50-DN600

◆ Main Parts Material

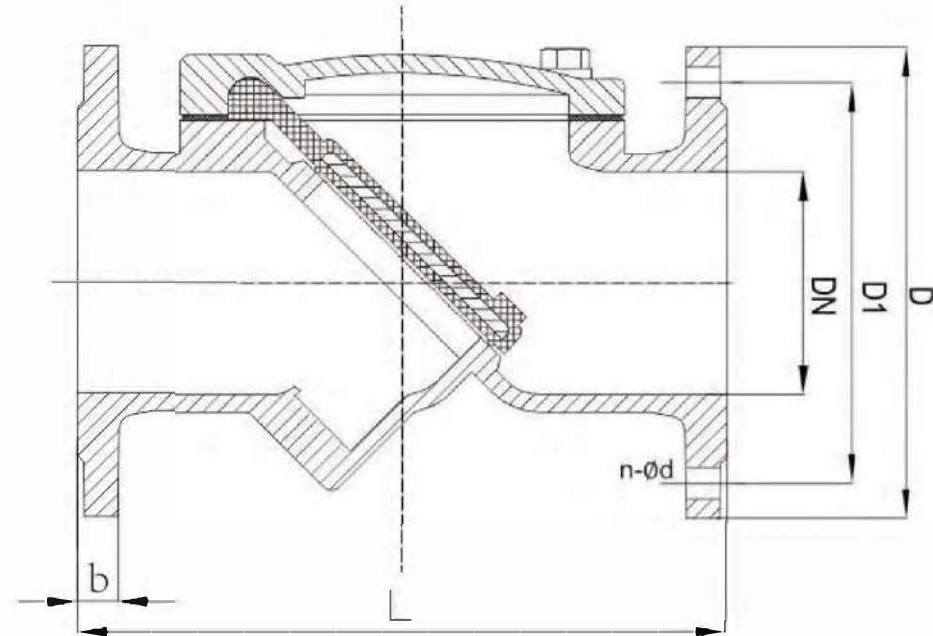
Part Name	Material
Body	GGG50, DI, A536
Disc	DI+EPDM/NBR
Bonnet	GGG50, DI, A536

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-600	≤80°C	Water and Sewage
1.6	2.4	1.76			

◆ Main Connection Dimensions

H44H-¹⁰/₁₆



SIZE		Main dimensions(mm)								
DN	INCH	L	D		D1		n-∅d		b	
			PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
50	2	203	160	160	125	135	4-19	4-19	18	18
65	2.5	225	180	180	145	145	4-19	4-19	18	18
80	3	245	195	195	160	160	8-19	8-19	19	19
100	4	292	215	215	180	180	8-19	8-19	19	19
125	5	300	245	245	210	210	8-19	8-19	19	19
150	6	356	280	280	240	240	8-23	8-23	19	19
200	8	495	335	335	295	295	8-23	12-23	19	19
250	10	622	405	405	350	355	12-23	12-28	22	22
300	12	698	460	460	400	410	12-23	12-28	24	24
350	14	787	520	520	460	470	16-23	16-28	26	26
400	16	914	580	580	515	525	16-28	16-31	28	28
450	18	978	640	640	565	585	20-28	20-31	30	30
500	20	978	715	715	620	650	20-28	20-34	31	31
600	24	1295	840	840	725	770	20-31	20-36	33	33

◆ K305 Hydraulic Buffer Tilting Check Valve



The check valve is installed on the outlet pipe of the pressurized water pump of industrial circulating water supply and drainage, urban water supply and drainage, high-rise buildings, sewage and hotels, to prevent the back flow of the medium and eliminate the destructive water hammer. Check valve. In the design, the requirements of the use environment are fully considered, to achieve no vibration, no noise, stable operation, long service life, to ensure a quiet hotel and residential environment, and have energy-saving effects.

- 1、 Compact structure and convenient maintenance.
- 2、 The hydraulic buffer device has novel design, compact and reasonable structure, stable and reliable performance, and is located outside the pipeline to avoid polluting media.
- 3、 Smooth operation, no vibration, no noise.
- 4、 The eccentric structure is adopted, and the structural parameters are determined at the optimal value, which is conducive to flow resistance and vibration, and reduces the influence of water hammer.
- 5、 Achieve complete sealing and no leakage.
- 6、 Good opening and closing characteristics, valve opening pressure ≤0.04MPa, rapid opening, closing valve adopts adjustable type, two stages of fast and slow
- 7、 The closing mode, the slow closing time adjustment range is large, and it can be applied to the requirements of different working conditions.

◆ Main Performance Specifications

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
CJ/T282-2008 JB/T 5299-1998	CJ/T282-2008 JB/T 5299-1998	EN1092-2 ASME B16.1	EN12266-1 API598	DN200-DN1800

◆ Main Parts Material

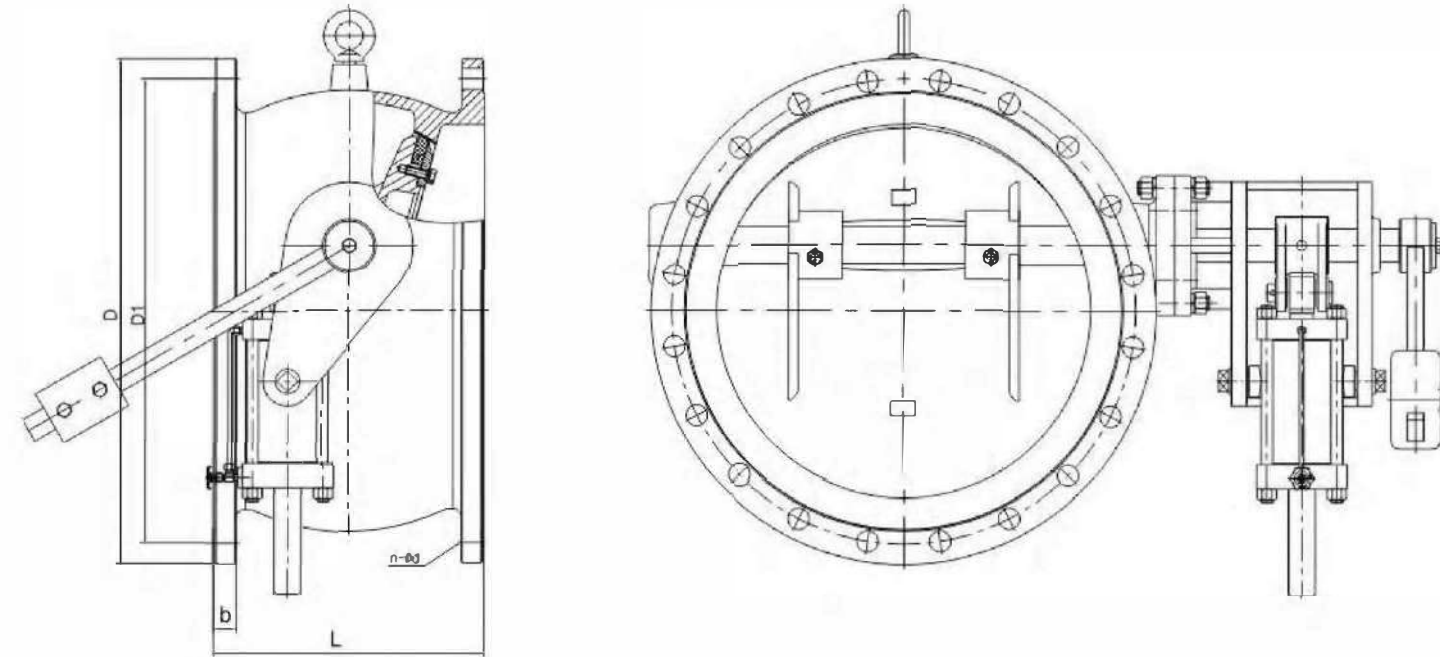
Part Name	Material
Body	DI, WCB, SS
Disc	DI, WCB, SS
Stem	CS, SS
Hammer	CS, SS
Seal	NBR, EPDM

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50 -1600	Water、Source Water、Sewage	Seal: EPDM/NBR(0 -80℃)
PN16	2.4	1.76			

◆ Main Connection Dimensions

HH47X-¹⁰/₁₆



SIZE		L	D		D1		n-∅d		b
DN	INCH		PN10	PN16	PN10	PN16	PN10	PN16	
50	2	150	165	165	125	125	4-18	4-18	18
65	2.5	170	185	185	145	145	(4)8-18	(4)8-18	18
80	3	180	200	200	160	160	8-18	8-18	20
100	4	190	220	220	180	180	8-18	8-18	20
125	5	200	250	250	210	210	8-18	8-18	22
150	6	210	285	285	240	240	8-22	8-22	22
200	8	230	340	340	295	295	8-22	12-22	24
250	10	250	395	405	350	355	12-23	12-28	26
300	12	270	445	460	400	410	12-23	12-28	28
350	14	290	505	520	460	470	16-23	16-28	30
400	16	310	565	580	515	525	16-28	16-31	32
450	18	330	615	640	565	585	20-28	20-31	34
500	20	350	670	715	620	650	20-28	20-34	36
600	24	390	780	840	725	770	20-31	20-37	38
700	30	430	895	910	840	840	24-31	24-37	40
800	36	470	1015	1025	950	950	24-34	24-40	42
900	42	510	1115	1125	1050	1050	28-34	28-40	44
1000	48	550	1230	1255	1160	1170	28-37	28-43	46
1200	54	630	1455	1485	1380	1390	32-40	32-49	52
1400	60	710	1675	1685	1590	1590	36-43	36-49	58
1600	72	790	1915	1930	1820	1820	40-48	40-55	64

◆ K306 Single Disc Wafer Check Valve



The main function of the wafer-type single-disc check valve is to prevent the backflow or reverse flow of fluid in the pipeline system. This is critical to maintaining system integrity, preventing contamination and ensuring efficient operation of downstream equipment.

Sizes and Materials: Wafer-style single-disc check valves are available in a variety of sizes to meet the requirements of different piping systems. They can be made from a variety of materials, including stainless steel, carbon steel, cast iron, bronze, and more, selected based on factors such as fluid compatibility, pressure and temperature requirements.

◆ Main Parts Material

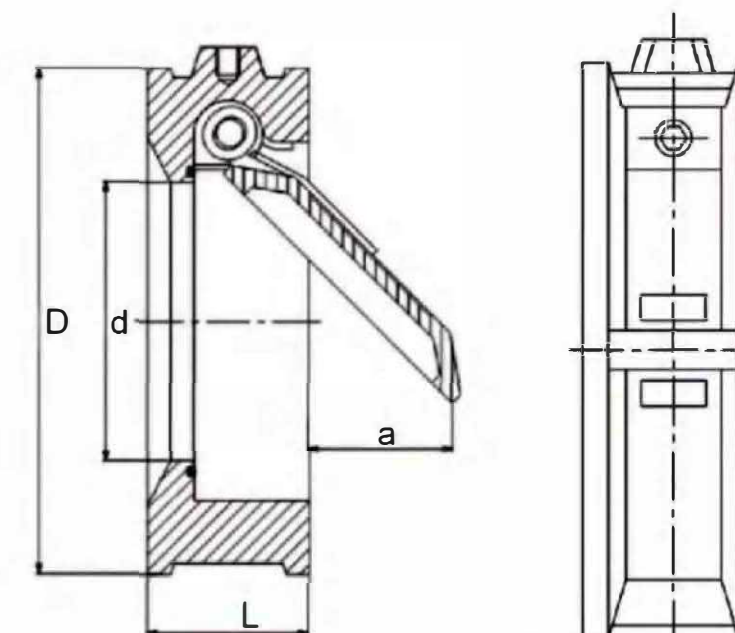
Part Name	Material
Body	GGG50, DI, A536
Disc	SS, 2205, C95800
Stem	CS, SS304, SS316, SS420, Brass, Bronze
Seat	NBR, EPDM, PTFE
Spring	SS304

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN40-400	Water、Source Water、Sewage	Seal: EPDM/NBR(0~80℃) Seal: VITON(0~150℃)
PN16	2.4	1.76			

◆ Main Connection Dimensions

H74H/X-¹⁰/₁₆



SIZE		L	D		d
DN(mm)	INCH		PN10	PN16	
50	2	44.5	107	107	33
65	2.5	47.6	127	127	43
80	3	50.8	142	142	52
100	4	57.2	162	162	76
125	5	63.5	192	192	95
150	6	69.9	218	218	118
200	8	73	273	273	163
250	10	79.4	328	329	194
300	12	85.7	378	384	241
350	14	108	438	446	266
400	16	108	489	498	318

◆ K307 Single Piece Check Valve



Wafer disc check valve is an ultra-thin check valve with short structural size and single valve disc design, which brings great convenience to the installation, transportation and storage of pipelines for the valve, and can be used in large quantities. Save materials and reduce costs.

The valve disc is equipped with an O-ring, which has good sealing performance, and is spring-assisted closing, making it sensitive in action, especially in places with limited installation space. It has the advantages of simple structure, beautiful appearance, light weight and easy installation. It is mainly suitable for places with limited installation space in water supply systems, petroleum, chemical industry, metallurgy and other industrial sectors.

◆ Main Parts Material

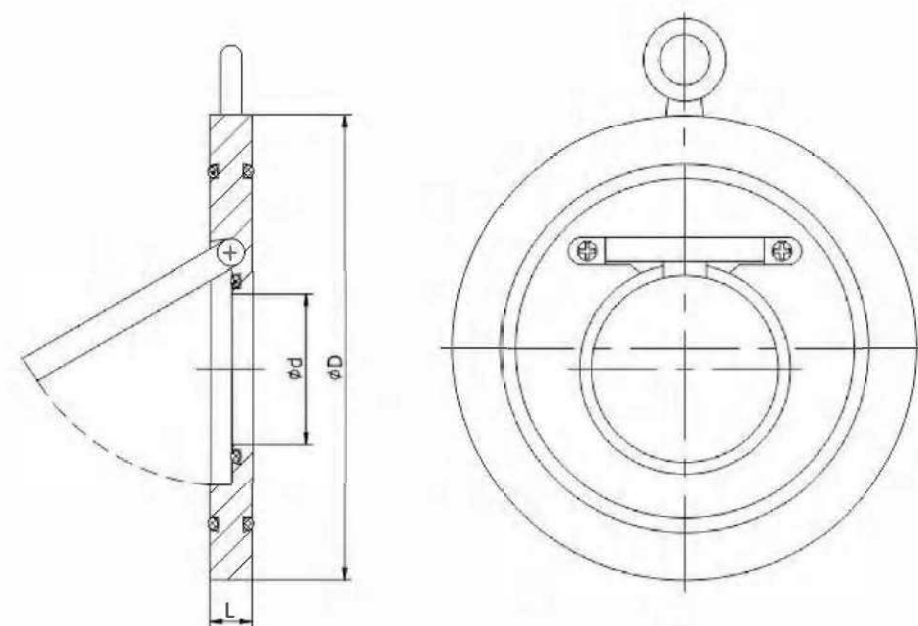
Part Name	Material
Body	CF3, CF8, CF3M, CF8M
Disc	CF3, CF8, CF3M, CF8M
Stem	SS304, SS316
O-Ring	NBR, EPDM, VITON, STL
Spring	SS304

◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN40-400	Water, Source Water, Sewage	Seal: EPDM/NBR(0~80°C) Seal: VITON(0~150°C) Seal: STL(-20~425°C)
PN16	2.4	1.76			

◆ Main Connection Dimensions

H74H/X/F-¹⁰/₁₆



SIZE		L	D		d
DN(mm)	INCH		PN10	PN16	
40	1.5	14	93	93	20
50	2	17	104	104	25
65	2.5	17	125	125	38
80	3	17	140	140	46
100	4	17	160	160	71
125	5	19	190	190	95
150	6	19	218	218	114
200	8	26	270	270	140
250	10	29	328	328	188
300	12	38	378	378	216
350	14	38	438	438	263
400	16	44	489	489	305

◆ K308A Silent Check Valve



This product is mainly suitable for high-rise building water supply, drainage system, fire pipe water supply system, etc. This muffler check valve can effectively prevent the media from flowing back and produce destructive water hammer, and protect water pumps and other pipeline equipment.

1. It can be installed vertically and horizontally, the valve flap can be opened and closed flexibly, and the operation is stable, the closing noise is low, it is safe, and there are few failures;
2. The valve clack is spring loaded, its quick closing can effectively insert the water hammer pressure, and the sealing performance is good;
3. It has small size, light weight, low fluid resistance, fatigue resistance and long length.

◆ Main Performance Specifications

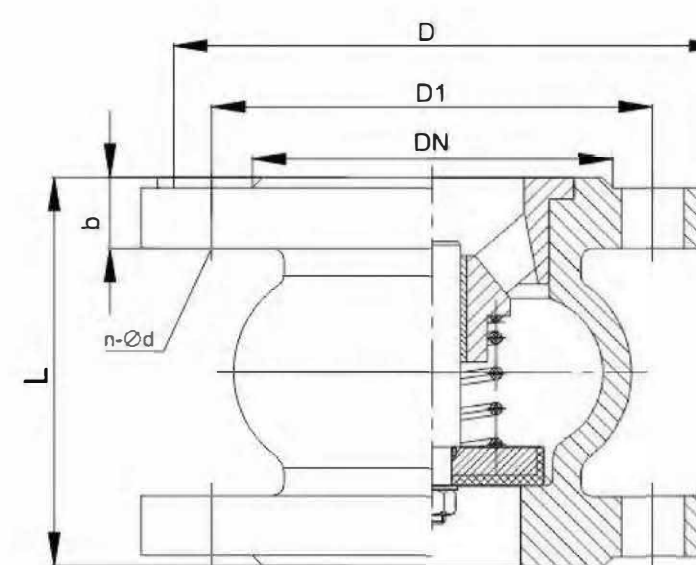
Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	40-300	≤80°C	Water and Sewage
1.6	2.4	1.76			

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB
Plate	DI+EPDM
Stem	CS, SS304, SS316, SS420, A351 CF8, C95800
Buffer ring	Brass
Spring	SS304

◆ Main Connection Dimensions

HQ41X-¹⁰/₁₆ Q



SIZE		L	D		D1		n-∅d		b
DN	INCH		PN10	PN16	PN10	PN16	PN10	PN16	
40	1.5	100	145	145	110	110	4-19	4-19	19
50	2	100	165	165	125	125	4-19	4-19	19
65	2.5	120	185	185	145	145	4-19	4-19	19
80	3	140	200	200	160	160	8-19	8-19	19
100	4	170	220	220	180	180	8-19	8-19	19
125	5	200	250	250	210	210	8-19	8-19	19
150	6	230	285	285	240	240	8-23	8-23	19
200	8	300	340	340	295	295	8-23	12-23	20
250	10	370	405	405	350	355	12-23	12-28	24.5
300	12	410	460	460	400	410	12-23	12-28	26.5

◆ K308B Silence check valve



This product is mainly suitable for high-rise building water supply, drainage system, fire pipe water supply system, etc. This muffler check valve can effectively prevent the media from flowing back and produce destructive water hammer, and protect water pumps and other pipeline equipment.

1. It can be installed vertically and horizontally, the valve flap can be opened and closed flexibly, and the operation is stable, the closing noise is low, it is safe, and there are few failures;
2. The valve clack is spring loaded, its quick closing can effectively insert the water hammer pressure, and the sealing performance is good;
3. It has small size, light weight, low fluid resistance, fatigue resistance and long length.

◆ Main Performance Specifications

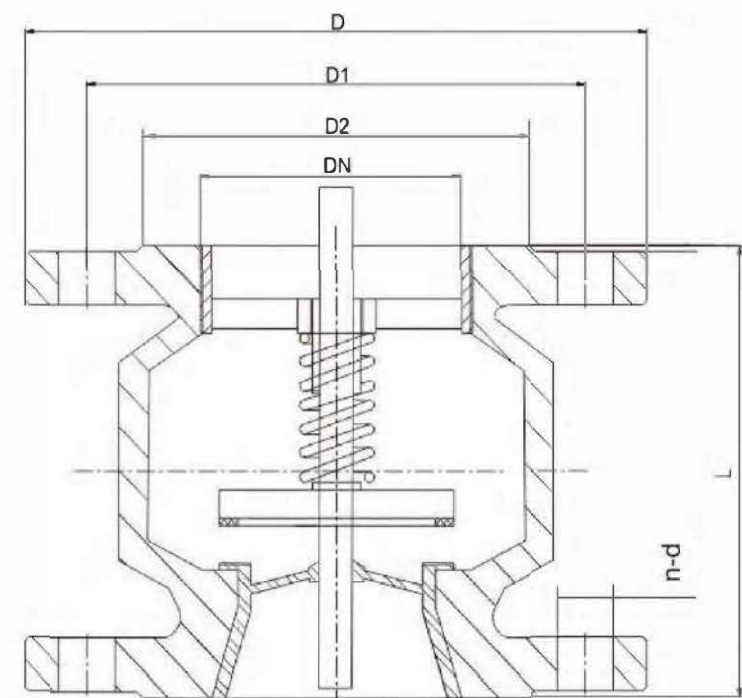
Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-300	≤80℃	Water and Sewage
1.6	2.4	1.76			

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB
Plate	DI+EPDM, Brass+EPDM, SS+EPDM
Stem	CS, SS304, SS316, SS420, A351 CF8, C95800
Yoke	GGG50, DI, A536, WCB
Spring	SS304

◆ Main Connection Dimensions

HQ41X-16Q



SIZE		L	D	D1	D2	b	n-φd
DN	INCH						
50	2	125	160	125	100	16	4-18
65	2.5	140	180	145	120	18	4-18
80	3	156	195	160	135	20	8-18
100	4	170	215	180	155	20	8-18
125	5	182	245	210	185	22	8-18
150	6	210	280	240	210	24	8-23
200	8	252	335	295	265	26	12-23
250	10	293	405	355	320	30	12-25
300	12	305	460	410	375	30	12-25
350	14	330	520	470	435	34	16-25
400	16	336	580	525	485	36	16-30

◆ K309 Lift Check Valve



◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
GB/T12235	GB/T12221	EN1092-2 JB/T79	EN12266-1	DN15-DN300

◆ Main Performance Specifications

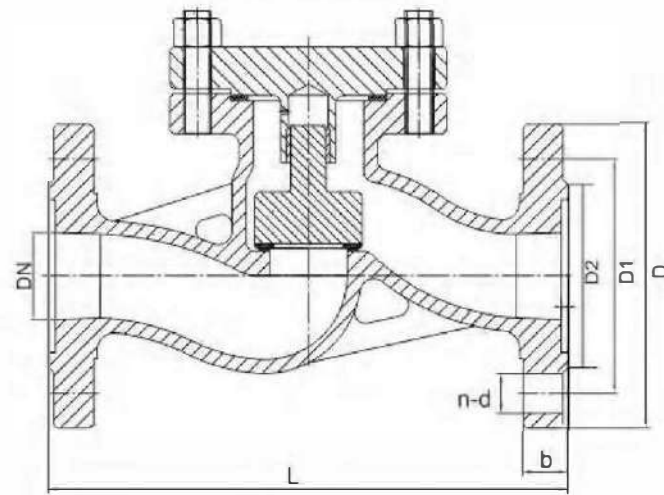
Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN15-300	Water, Source Water, Sewage, Oil	~20-200℃
PN16	2.4	1.76			
PN25	3.8	2.8			
PN40	6.0	4.4			
PN63	9.6	7.0			

◆ Main Parts Material

Part Name	Material
Body	WCB, WC6, CF3, CF8, CF3M, CF8M
Wedge	WCB, WC6, CF3, CF8, CF3M, CF8M
Gasket	PTFE, Graphite
Bonnet	WCB, WC6, CF3, CF8, CF3M, CF8M
Bolt	SS, 35CrMoA
Nut	SS, 45/35CrMoA

◆ Main Connection Dimensions

H41H/W/Y-
16
25
40
63



PN	DN(mm)	Dimension(mm)					
		L	D	D1	D2	b-f	n-Ød
16	15	130	95	65	45	14-2	4-14
	20	150	105	75	55	14-2	4-14
	25	160	115	85	65	14-2	4-14
	32	180	135	100	78	16-2	4-18
	40	200	145	110	85	16-3	4-18
	50	230	160	125	100	16-3	4-18
	65	290	180	145	120	18-3	4-18
	80	310	195	160	135	20-3	8-18
	100	350	215	180	155	20-3	8-18
	125	400	245	210	185	22-3	8-18
	150	480	280	240	210	24-3	8-23
	200	600	335	295	265	26-3	12-23
	250	650	405	355	320	30-3	12-25
	300	750	460	410	375	30-3	12-25
25	15	130	95	65	45	16-2	4-14
	20	150	105	75	55	16-2	4-14
	25	160	115	85	65	16-2	4-14
	32	180	135	100	78	18-2	4-18
	40	200	145	110	85	18-3	4-18
	50	230	160	125	100	20-3	4-18
	65	290	180	145	120	22-3	8-18
	80	310	195	160	135	22-3	8-18
	100	350	230	190	160	24-3	8-23
	125	400	270	220	188	28-3	8-25
	150	480	300	250	218	30-3	8-25
	200	600	360	310	278	34-3	12-25
	250	650	425	370	335	36-3	12-30
	300	750	485	430	390	40-4	16-30
40	25	160	115	85	65	16-2	4-14
	32	180	135	100	78	18-2	4-18
	40	200	145	110	85	18-3	4-18
	50	230	160	125	100	20-3	4-18
	65	290	180	145	120	22-3	8-18
	80	310	495	160	135	22-3	8-18
	100	350	230	190	160	24-3	8-23
	125	400	270	220	188	28-3	8-25
63	15	170	105	75	55	18-2	4-14
	20	190	125	90	68	20-2	4-18
	25	210	135	100	78	22-2	4-18
	32	230	150	110	82	24-2	4-23
	40	260	165	125	95	24-3	4-23
	50	300	175	135	105	26-3	4-23
	65	340	200	160	130	28-3	8-23
	80	380	210	170	140	30-3	8-23
	100	430	250	200	168	32-3	8-25
	125	500	295	240	202	36-3	8-30
150	550	340	280	240	38-3	8-34	
200	650	405	345	300	44-3	12-34	

BALL VALVE

04



CHECK VALVE

◆ K401 Ductile Iron Flange Ball Valve



Ball valves are used to cut off, allot and change medium flow direction ,they only need torotate 90° with small driving torque to close exactly.Ball valves are most suitable for opening or closing and cutting off . The fluid resistance is small,there is no fluid resistance for full bore ball valve.This kind of valve has the outstanding advantage of simple struture, small volume.

◆ Design And Manufacturing Standards

Design and manufacturing	Face to Face	End Flange	Pressure and testing	Size Range
DIN3357 BS EN 1984 ISO 17292 GB/T12237	DIN3202 ANSI B16.10 GB/T12221	EN1092 BS4504 JIS 5K/10K ASME B16.1	EN12266-1 API598	DN15-DN300

◆ Main Performance Specifications

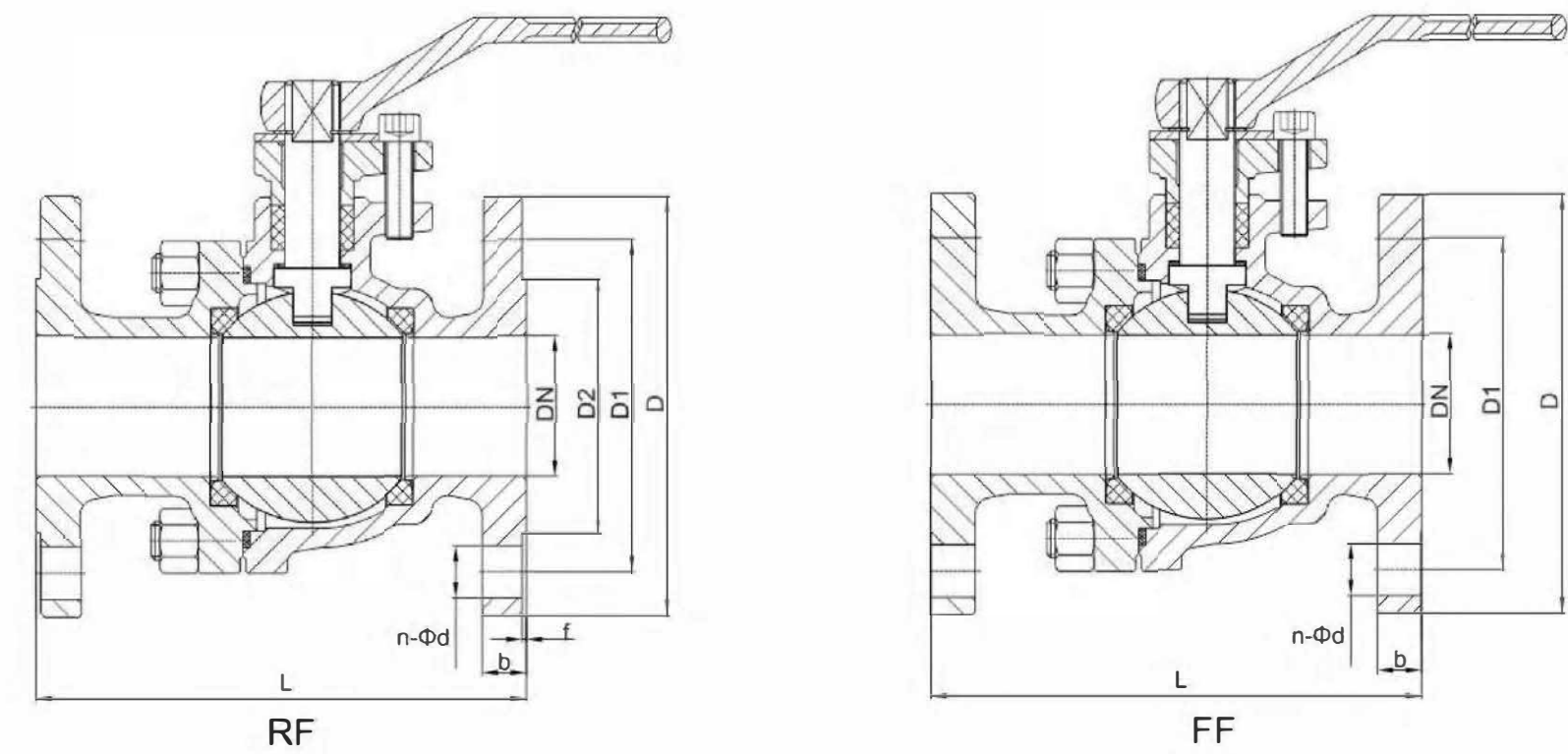
Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN15-300	Water、 Source Water、 Sewage	Seal: PTFE(0-150℃)
PN16	2.4	1.76			
150LB	3.0	2.2			

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536
Bonnet	GGG50, DI, A536
Stem	SS304, SS410, SS420
Seat	PTFE
Ball	A105+ENP, SS201, SS304, SS316

◆ Ductile Iron Flange Ball Valve

Q41F-¹⁰/₁₆ Q
150



Main connection dimensions (PN10/PN16)

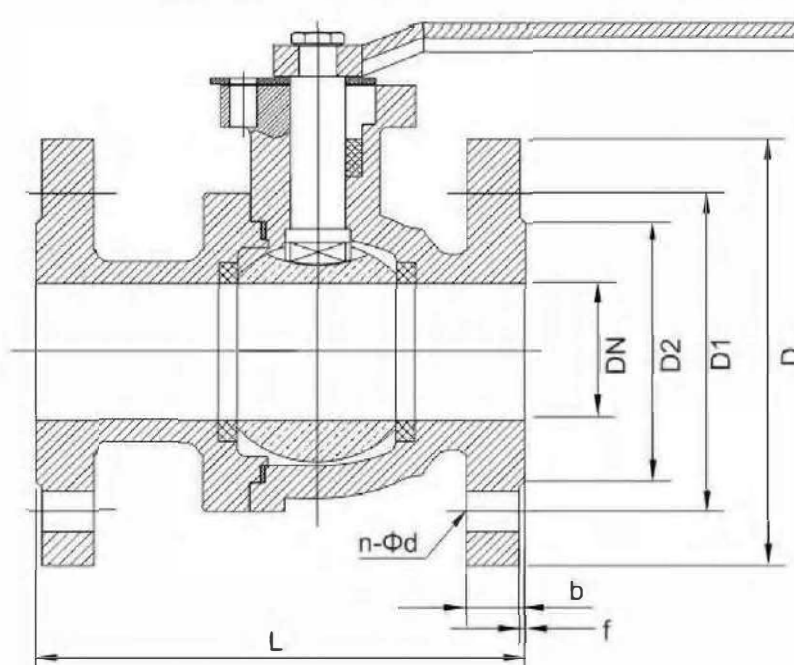
SIZE		L		PN10				PN16					
DN	INCH	DIN	BS	D	D1	D2	b	n-Φd	D	D1	D2	b	n-Φd
15	1/2"	115	108	95	65	45	14	4-14	95	65	45	14	4-14
20	3/4"	120	117	105	75	58	16	4-14	105	75	58	16	4-14
25	1"	125	127	115	85	68	16	4-14	115	85	68	16	4-14
32	1-1/4"	130	140	140	100	78	18	4-19	140	100	78	18	4-19
40	1-1/2"	140	165	150	110	88	18	4-19	150	110	88	18	4-19
50	2"	150	178	165	125	102	20	4-19	165	125	102	20	4-19
65	2-1/2"	170	190	185	145	122	20	4-19	185	145	122	20	4-19
80	3"	180	203	200	160	138	22	8-19	200	160	138	22	8-19
100	4"	190	229	220	180	158	24	8-19	220	180	158	24	8-19
125	5"	325	356	250	210	188	26	8-19	250	210	188	26	8-19
150	6"	350	394	285	240	212	26	8-23	285	240	212	26	8-23
200	8"	400	457	340	295	268	30	8-23	340	295	268	30	12-23
250	10"	450	533	395	350	320	32	12-23	405	355	320	32	12-28
300	12"	500	610	445	400	370	32	12-23	460	410	378	32	12-28

Main connection dimensions (150LB)

SIZE		L	D	D1	D2	b	n-Φd
DN	INCH						
15	1/2"	108	89	60.5	35	9.7	4-16
20	3/4"	117	98.6	70	43	10.5	4-16
25	1"	127	108	79.5	51	11.2	4-16
32	1-1/4"	140	117	89	63.5	12.7	4-16
40	1-1/2"	165	127	99	78	14.2	4-16
50	2"	178	152	121	99	15.9	4-18
65	2-1/2"	190	178	140	118	17.5	4-18
80	3"	203	191	152	129	19.1	4-18
100	4"	229	229	191	168	23.9	8-18
125	5"	356	254	216	193	24	8-22
150	6"	394	279	241	213	25.4	8-22
200	8"	457	343	299	271	28.5	8-22
250	10"	533	406	362	332	30.2	12-26
300	12"	610	483	432	402	33	12-26

◆ High Platform Flange Ball Valve

Q41F-¹⁰/₁₆ Q
150



Main connection dimensions (PN10/PN16)

SIZE		L		PN10					PN16				
DN	INCH	DIN	BS	D	D1	D2	b	n-Φd	D	D1	D2	b	n-Φd
15	1/2"	115	108	95	65	45	14	4-14	95	65	45	14	4-14
20	3/4"	120	117	105	75	58	16	4-14	105	75	58	16	4-14
25	1"	125	127	115	85	68	16	4-14	115	85	68	16	4-14
32	1-1/4"	130	140	140	100	78	18	4-19	140	100	78	18	4-19
40	1-1/2"	140	165	150	110	88	18	4-19	150	110	88	18	4-19
50	2"	150	178	165	125	102	20	4-19	165	125	102	20	4-19
65	2-1/2"	170	190	185	145	122	20	4-19	185	145	122	20	4-19
80	3"	180	203	200	160	138	22	8-19	200	160	138	22	8-19
100	4"	190	229	220	180	158	24	8-19	220	180	158	24	8-19
125	5"	325	356	250	210	188	26	8-19	250	210	188	26	8-19
150	6"	350	394	285	240	212	26	8-23	285	240	212	26	8-23
200	8"	400	457	340	295	268	30	8-23	340	295	268	30	12-23
250	10"	450	533	395	350	320	32	12-23	405	355	320	32	12-28
300	12"	500	610	445	400	370	32	12-23	460	410	378	32	12-28

Main connection dimensions (150LB)

SIZE		L	D	D1	D2	b	n-Φd
DN	INCH						
15	1/2"	108	89	60.5	35	9.7	4-16
20	3/4"	117	98.6	70	43	10.5	4-16
25	1"	127	108	79.5	51	11.2	4-16
32	1-1/4"	140	117	89	63.5	12.7	4-16
40	1-1/2"	165	127	99	78	14.2	4-16
50	2"	178	152	121	99	15.9	4-18
65	2-1/2"	190	178	140	118	17.5	4-18
80	3"	203	191	152	129	19.1	4-18
100	4"	229	229	191	168	23.9	8-18
125	5"	356	254	216	193	24	8-22
150	6"	394	279	241	213	25.4	8-22
200	8"	457	343	299	271	28.5	8-22
250	10"	533	406	362	332	30.2	12-26
300	12"	610	483	432	402	33	12-26

◆ K402 GB Floating Ball Valve



Floating soft sealing ball valve is used to cut off or connect the medium in the pipeline. It can be used for water, steam, oil, liquefied gas, natural gas, coal gas, acetic acid, oxidizing medium, urea and other media by using different materials.

a. Among all kinds of valves, the flow resistance of the ball valve is the smallest. When the full-diameter ball valve is opened, the diameter of the ball channel, the valve body channel and the connecting pipe are equal and form one diameter, and the medium can be almost completely free of loss flows.

b. The ball valve can be fully closed and fully opened and closed quickly by rotating 90°. Compared with the gate valve and globe valve of the same specification, the ball valve is small in size, light in weight, and easy to install in pipelines.

◆ Design And Manufacturing Standards

Design spec.	Face to face	Flange end	Test & Check	Pressure-Temp.
GB/T 12234 API6D	GB/T 12221	JB/T 79 HG20592	JB/T 9092 GB/T13927	GB/T 12224 ASME B16.34

◆ Main Performance Specifications

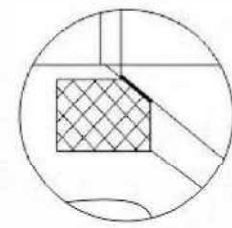
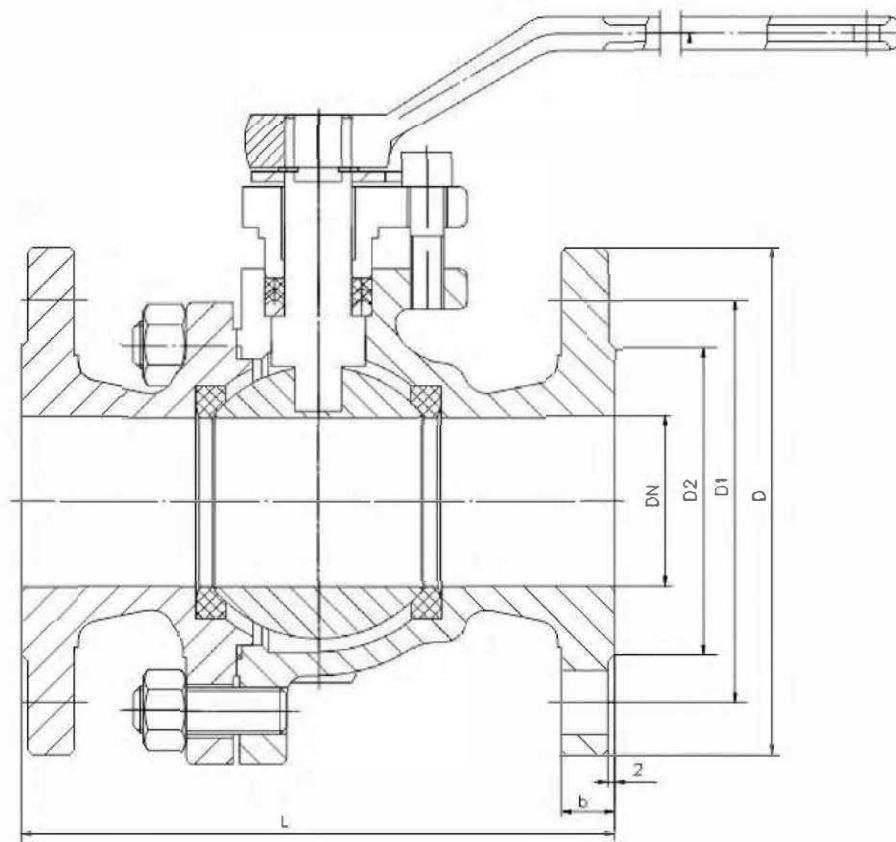
Nominal pressure	Test pressure		Nominal diameter	Medium
	Mpa	Shell		
1.6		2.4	1.76	15-300 Water, Steam, Oil
2.5		3.75	2.75	
4.0		6.0	4.4	
6.4		9.6	7.04	

◆ Main Parts Material

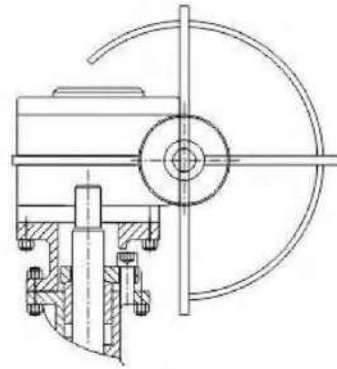
Part Name	Material								
	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Ball	CF8	CF3	CF8M	CF3M	WCB Hcr	CF8	CF8	CF8	CF8
Stem	F304	F304L	F316	F316L	2CR13	F304	F304	F304	F304
Seat	PTFE/PPL/304								
Packing/Gasket	PTFE /Flexible graphite								
Handle	Cast Steel								

Main External And Connection Dimension

Q41/641/941F-16C/P/R/RL



Fire durable



Worm gear operation

Main connection dimensions (PN16)

SIZE		L	D	D1	D2	n-Φd	b
DN	in	PN16					
15	1/2"	130	95	65	45	4-14	14
20	3/4"	140	105	75	55	4-14	14
25	1"	150	115	85	65	4-14	14
32	1-1/4"	165	135	100	78	4-18	17
40	1-1/2"	180	145	110	85	4-18	17
50	2"	200	160	125	100	4-18	18
65	2-1/2"	220	180	145	120	4-18	19
80	3"	250	195	160	135	8-18	20
100	4"	280	215	180	155	8-18	21
125	5"	320	245	210	185	8-18	22
150	6"	360	280	240	210	8-23	24
200	8"	400	335	295	265	12-23	26
250	10"	533	405	355	320	12-25	28

Q41/641/941P-25~64C/P/R/RL

Main connection dimensions (PN25/40/63)

SIZE		L	D	D1	D2	n-Φd	b
DN	in	PN25					
15	1/2"	130	95	65	45	4-14	16
20	3/4"	140	105	75	55	4-14	16
25	1"	150	115	85	65	4-14	16
32	1-1/4"	165	135	100	78	4-18	18
40	1-1/2"	180	145	110	85	4-18	18
50	2"	200	160	125	100	4-18	20
65	2-1/2"	220	180	145	120	4-18	22
80	3"	250	195	160	135	8-18	22
100	4"	280	230	190	160	8-18	24
125	5"	320	270	220	188	8-25	28
150	6"	360	300	250	218	8-25	30
200	8"	400	360	310	278	12-25	34
250	10"	450	425	370	332	12-30	36
SIZE		L	D	D1	D2	n-Φd	b
DN	in	PN40					
15	1/2"	130	95	65	45	4-14	16
20	3/4"	140	105	75	55	4-14	16
25	1"	150	115	85	65	4-14	16
32	1-1/4"	180	135	100	78	4-18	18
40	1-1/2"	200	145	110	85	4-18	18
50	2"	220	160	125	100	4-18	20
65	2-1/2"	250	180	145	120	8-18	22
80	3"	280	195	160	135	8-18	22
100	4"	320	230	190	160	8-23	24
125	5"	360	270	220	188	8-25	28
150	6"	400	300	250	218	8-25	30
200	8"	550	375	320	282	12-30	38
SIZE		L	D	D1	D2	n-Φd	b
DN	in	PN63					
15	1/2"	140	105	75	55	4-14	18
20	3/4"	155	125	90	68	4-18	20
25	1"	180	135	100	78	4-18	22
32	1-1/4"	200	150	110	82	4-23	24
40	1-1/2"	220	165	125	95	4-23	24
50	2"	250	175	135	105	4-23	26
65	2-1/2"	280	200	160	130	8-23	28
80	3"	320	210	170	140	8-23	30
100	4"	350	250	200	168	8-25	32
125	5"	455	295	240	202	8-30	36
150	6"	495	340	280	240	8-34	38
200	8"	502	405	345	300	12-34	44

◆ **K402 API Flange Floating Ball Valve**



This ball valve is designed and produced to provide maximum operating life and reliability. All ball valves comply with the American Petroleum Institute standards API608 and API6D and the British standard BS5351 consistent with the American Society of Mechanical Engineers standard ASME B16.34. The valve consists of a complete valve body, valve bonnet and internal parts.

Body/bonnet materials include nine grades of carbon content, low alloy and stainless steel, and in special applications they are available in other grades of alloy and stainless steel. There are many internal parts for use in different environments, and packing and gasket options are also available for various environments.

◆ **Design And Manufacturing Standards**

Design spec.	Face to face	Flange end	Test & Check
API 608 API 6D	ASME B 16.10	ASME B 16.5	API 598 API 6D

◆ **Main Parts Material**

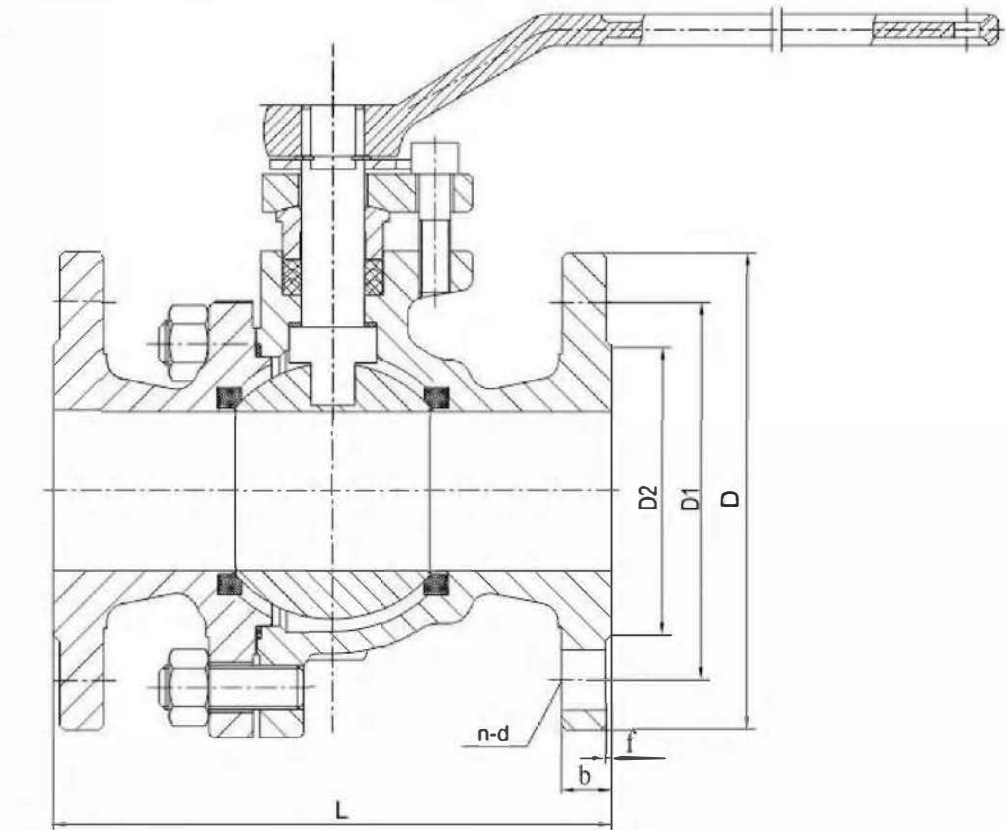
Part Name	ASTM	Material
Body	A216 -WCB	A351 -CF8M
Bonnet	A216 -WCB	A351 -CF8M
Ball	A182 -F304	A182 -F316
Stem	A276 -304	A276 -316
Seat	R.PTFE	
Gasket	Flexible graphite+304	PTFE
Packing	PTFE	
Positioning sheet	Carbon Steel	F304
Operate	Handle , Worm Gear , Electric Actuator , Pneumatic Actuators	

◆ **Main Performance Specifications**

Nominal Pressure	Testing Pressure(Mpa)					
	Shell test		Water seal test		Sealing (Gas)	
	Mpa	Lbf/in ²	Mpa	Lbf/in ²	Mpa	Lbf/in ²
150LB	3.1	450	2.2	315	0.5~0.7	60-100
300LB	7.8	1125	5.6	815		
600LB	15.3	2225	11.2	1630		

◆ **Main External And Connection Dimension**

Q41/641/941F-150LB/300LB/600LB



Main connection dimensions (150LB)

Class (LB)	inch	mm	L	D	D1	D2	n-φd	b
150	1/2"	15	108	89	60.5	35	4-15	12.7
	3/4"	20	117	98	70	43	4-15	12.7
	1"	25	127	108	79.5	51	4-15	13
	1 1/4"	32	140	117	89	64	4-15	14.5
	1 1/2"	40	165	127	98.5	73	4-15	15
	2"	50	178	152	120.5	92	4-19	16
	2 1/2"	65	190	178	139.5	105	4-19	18
	3"	80	203	190	152.5	127	4-19	19
	4"	100	229	229	190.5	157	4-19	24
	5"	125	356	254	215.5	186	8-22	24
	6"	150	394	279	241.5	216	8-22	26
	8"	200	457	343	298.5	270	8-22	29
	10"	250	533	406	362	324	12-25	30
	12"	300	610	483	432	381	12-25	32
	14"	350	686	535	476.5	413	12-29	35
16"	400	762	597	539.5	470	16-29	37	
18"	450	914	914	635	578	16-32	43	

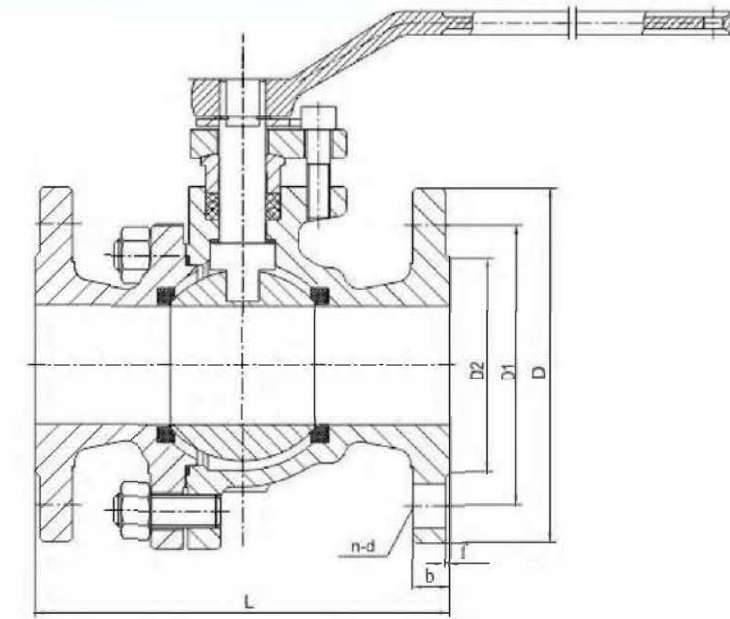
Main connection dimensions (300LB)

Class (LB)	inch	mm	L	D	D1	D2	n-Φd	b
300	1/2"	15	140	95	66.5	35	4-15	15
	3/4"	20	152	115	82.5	43	4-15	16
	1"	25	165	125	89	51	4-19	18
	1 1/4"	32	178	135	98.5	64	4-19	19
	1 1/2"	40	190	155	114.5	73	4-22	21
	2"	50	216	165	127	92	8-19	23
	2 1/2"	65	241	190	149.2	105	8-22	26
	3"	80	283	210	168.5	127	8-22	29
	4"	100	305	254	200	157	8-22	32
	5"	125	381	279	235	186	8-22	35
	6"	150	403	318	270	216	12-22	37
8"	200	502	381	330	270	12-25	41	
10"	250	568	444	387.5	324	16-29	48	

Main connection dimensions (600LB)

Class (LB)	inch	mm	L	D	D1	D2	n-Φd	b
600	1/2"	15	165	95	66.5	35	4-16	15
	3/4"	20	190	117	82.5	43	4-19	16
	1"	25	216	124	89	51	4-19	18
	1 1/4"	32	229	133	98.5	64	4-19	21
	1 1/2"	40	241	156	114.5	73	4-22	22.3
	2"	50	292	165	127	92	8-19	25.4
	4"	100	432	273	216	157	8-25	38
	5"	125	491	330	267	186	8-29	44.5
	6"	150	559	356	282	216	12-29	47.2
8"	200	660	419	349	282	12-32	55.7	

◆ K402 JIS Flange Floating Ball Valve



◆ Design And Manufacturing Standards

Design spec.	Face to face	Flange end	Test & Check	Pressure -Temp.
BS 5351	JIS B2002	JIS B2212 B2214	JIS B2003	JIS B2201

◆ Main Connection Dimension

Q41/641/941F-10K/20K

SIZE		10K					
DN	in	L	D	D1	D2	n-Φd	b
15	1/2"	108	95	70	52	4-15	12
20	3/4"	117	100	75	58	4-15	14
25	1"	127	125	90	70	4-19	14
32	1-1/4"	140	135	100	80	4-19	16
40	1-1/2"	165	140	105	85	4-19	16
50	2"	178	155	120	100	4-19	16
65	2-1/2"	190	175	140	120	4-19	18
80	3"	203	185	150	130	8-19	18
100	4"	229	210	175	155	8-19	18
125	5"	356	250	210	185	8-23	20
150	6"	394	280	240	215	8-23	22
200	8"	457	330	290	265	12-23	22
SIZE		20K					
DN	in	L	D	D1	D2	n-Φd	b
15	1/2"	140	95	70	52	4-15	14
20	3/4"	152	100	75	58	4-15	16
25	1"	165	125	90	70	4-19	16
32	1-1/4"	178	135	100	80	4-19	18
40	1-1/2"	190.5	140	105	85	4-19	18
50	2"	216	155	120	100	8-19	18
65	2-1/2"	241	175	140	120	8-19	20
80	3"	283	200	160	135	8-22	22
100	4"	305	225	185	160	8-22	24
125	5"	381	270	225	195	8-22	26
150	6"	403	305	260	230	12-22	28
200	8"	502	350	305	275	12-25	30

◆ K403 Fixed Flange Ball Valve

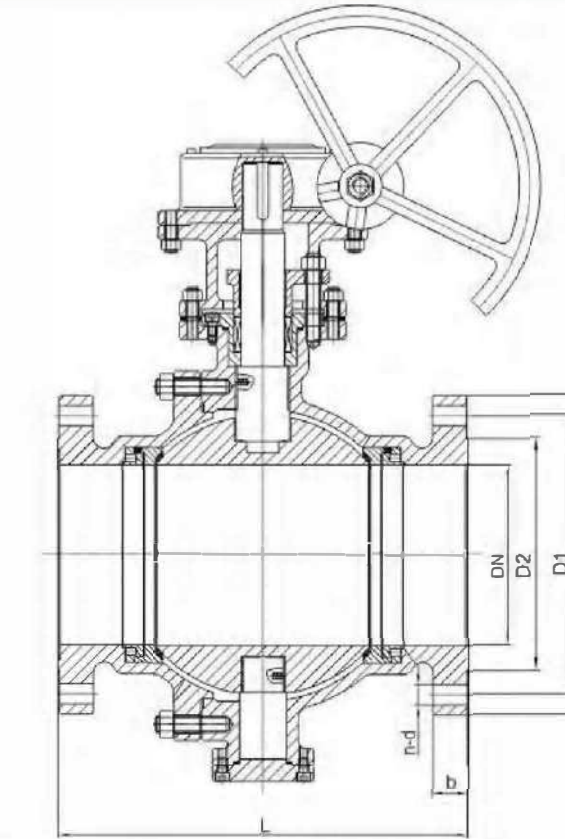
- 1、Effortless operation: The ball is supported by upper and lower bearings to reduce friction and eliminate the excessive torque caused by the huge sealing load formed by the inlet pressure pushing the ball and the sealing seat.
- 2、Reliable sealing performance: The PTFE elastic material sealing ring is embedded in the stainless steel valve seat, and there is no spring at the end of the metal valve seat to ensure sufficient pre-tightening force of the sealing ring. When the sealing surface of the valve is damaged by friction during use, the valve continues to ensure good sealing performance under the action of the spring.
- 3、Fireproof structure: In order to prevent the polytetraoxyethylene sealing ring from burning due to sudden heat or fire, causing large leakage and promoting the fire, a fireproof sealing ring is set between the ball and the valve seat. When the sealing ring burns, the valve seat sealing ring is quickly pushed onto the ball under the action of the spring force to form a metal-to-metal seal, which has a certain degree of sealing effect. The fire resistance test meets the requirements of API6FA and API607 standards.
- 4、Automatic pressure relief function: When the pressure of the stagnant medium in the valve cavity increases abnormally and exceeds the pre-tightening force of the spring, the valve seat retreats and separates from the ball to achieve the effect of automatic pressure relief. After the pressure is relieved, the valve seat automatically resets.
- 5、Drainage pipeline: Drain holes are set on the upper and lower parts of the valve body to check whether the valve seat is leaking. When the valve is fully open or fully closed during operation, the pressure in the middle cavity is removed, and the packing can be directly replaced to discharge the retained materials in the middle cavity, reducing the contamination of the valve by the medium.
- 6、This valve is designed with an auxiliary valve seat emergency sealing system. Once the seal is damaged or an emergency occurs and it cannot be sealed, the sealing surface can be repaired by injecting the corresponding sealant into the sealing surface through the auxiliary sealing system to achieve emergency sealing. When the conveyed medium is unclean or contains a small amount of particles, in order to protect the sealing surface and ensure reliable sealing, the corresponding cleaning agent or lubricant can also be injected into this device to clean the sealing surface.
- 7、It is widely used in the cutting or circulation of medium in the conveying pipelines of food, medicine, petroleum, chemical industry, natural gas, steel, environmental protection papermaking, etc. The corresponding cleaning agent or lubricant can also be injected into this device to clean the sealing surface.

◆ Main Performance Specifications

Nominal pressure	Test pressure		Shell material	Seat material	Applicable Temperature	Applicable media
	Mpa	Shell				
1.6	2.4	1.8	Carbon Steel	PTFE	≤150℃	Water, steam, oil, etc
2.5	3.75	2.75		Counterpoint polystyrene	≤250℃	
4.0	6.0	4.4	Chrome P-type nickel-titanium steel	PTFE	≤150℃	Nitric acid
6.3	9.6	7.1		Counterpoint polystyrene	≤200℃	
Class 150	3.0	2.2	Chrome-nicke steel R-Mo Ti	PTFE	≤150℃	Acetic acid
Class 300	7.5	5.5		Counterpoint polystyrene	≤200℃	

◆ Main External And Connection Dimension

Q47F/Y/H



Main connection dimensions (PN16/PN25)

PN	DN	INCH	L	D	D1	D2	b	n-d
1.6Mpa	150	6"	394	280	240	210	22	8-23
	200	8"	457	335	295	265	24	12-23
	250	10"	533	405	355	320	26	12-25
	300	12"	610	460	410	375	28	12-25
	350	14"	686	520	470	435	32	16-25
	400	16"	762	580	525	485	36	16-30
	450	18"	864	640	585	545	38	20-30
	500	20"	914	705	650	608	42	20-34
	600	24"	1067	840	770	718	46	20-41
	700	28"	1245	910	840	788	48	24-41
	800	32"	1372	1020	950	898	50	24-41
	900	36"	1524	1120	1050	998	52	28-41
	1000	40"	1753	1255	1170	1110	54	28-48
	1200	48"	2032	1485	1390	1325	56	32-54
1400	56"	2300	1685	1590	1525	60	36-54	
2.5Mpa	150	6"	403	300	250	218	30	8-25
	200	8"	502	360	310	278	34	12-25
	250	10"	568	425	370	332	36	12-30
	300	12"	648	485	430	390	40	16-30
	350	14"	762	550	490	448	44	16-34
	400	16"	838	610	550	505	48	16-34
	450	18"	914	660	600	555	50	20-34
	500	20"	991	730	660	610	52	20-41
	600	24"	1143	840	770	718	56	20-41
	700	28"	1346	955	875	815	60	24-48
	800	32"	1524	1070	990	930	64	24-48
	900	36"	1727	1180	1090	1025	66	28-54
	1000	40"	1880	1305	1210	1140	68	28-58
	1200	48"	2184	1525	1420	1350	72	32-58
1400	56"	2300	1750	1640	1560	78	36-65	

Main connection dimensions (PN40/PN63)

PN	DN	INCH	L	D	D1	D2	b	n-d
4.0Mpa	150	6"	403	300	250	218	30	8-25
	200	8"	502	375	320	282	38	12-30
	250	10"	568	445	385	345	42	12-34
	300	12"	648	510	450	408	46	16-34
	350	14"	762	570	510	465	52	16-34
	400	16"	838	655	585	535	58	16-41
	450	18"	914	680	610	560	60	20-41
	500	20"	991	755	670	612	62	20-48
	600	24"	1143	890	795	730	62	20-54
	700	28"	1346	995	900	835	68	24-54
	800	32"	1524	1135	1030	960	76	24-58
	900	36"	1727	1270	1168	1022	105	32-54
	1000	40"	1880	1238	1156	1086	114	32-44
	1200	48"	2184	1467	1372	1302	133	32-51
	6.3Mpa	150	6"	495	340	280	240	38
200		8"	597	405	345	300	44	12-34
250		10"	673	470	400	352	48	12-41
300		12"	762	530	460	412	54	16-41
350		14"	826	595	525	475	60	16-41
400		16"	902	670	585	525	66	16-48
500		20"	1054	800	705	640	70	20-54
600		24"	1232	930	820	750	76	20-58
700		28"	1397	1035	940	800	95	28-51
800		32"	1651	1149	1054	914	108	28-54
900		36"	1880	1270	1168	1022	114	32-54
1000		40"	1981	1270	1175	1092	133	32-51
1200	48"	2311	1511	1403	1308	152	28-60	

Main connection dimensions (150LB/300LB/600LB)

Class	inch	mm	L	D	D1	D2	b	n-d
150LB	2"	50	178	152	120.7	92	14.3	4-19
	2-1/2"	65	190	178	139.7	105	15.9	4-19
	3"	80	203	190	152.4	127	17.5	4-19
	4"	100	229	229	190.5	157	22.3	8-19
	5"	125	356	254	215.9	186	22.3	8-22.5
	6"	150	394	279	241.3	216	23.9	8-22.5
	8"	200	457	343	298.5	270	27.0	8-22.5
	10"	250	533	406	362	324	28.6	12-25.5
	12"	300	610	483	431.8	381	30.2	12-25.5
	14"	350	686	533	476.3	413	33.4	12-28.5
	16"	400	762	597	539.8	470	35.0	16-28.5
	18"	450	864	635	577.9	533	38.1	16-32
	20"	500	914	699	635.0	584	41.3	20-32
	24"	600	1067	813	749.3	692	46.1	20-35
	28"	700	1245	927	864	800	71	28-35
32"	800	1372	1060	978	914	81	28-41	
300LB	2"	50	216	165	127	92	20.7	8-19
	2-1/2"	65	241	190	149.2	105	23.9	8-22.5
	3"	80	282	210	168.3	127	27.0	8-22.5
	4"	100	305	254	200	157	30.2	8-22.5
	5"	125	381	279	235	186	33.4	8-22.5
	6"	150	403	318	269.9	216	35.0	12-22.5
	8"	200	502	381	330.2	270	39.7	12-25.5
	10"	250	568	445	387.4	324	46.1	16-28.5
	12"	300	648	521	450.8	381	49.3	16-32
	14"	350	762	584	514.4	413	52.4	20-32
	16"	400	838	648	571.5	470	55.6	20-35
	18"	450	914	711	628.5	533	58.8	24-35
20"	500	991	775	685.8	584	62.0	24-35	
600LB	2"	50	292	165	127	108	25.4	8-19
	2-1/2"	65	330	190	149.2	127	28.6	8-22.5
	3"	80	356	210	168.3	146	31.8	8-22.5
	4"	100	432	273	215.9	175	38.1	8-25.5
	5"	125	508	330	266.7	210	44.5	8-28.5
	6"	150	559	356	292.1	241	47.7	12-28.5
	8"	200	660	419	349.2	302	55.6	12-32
	10"	250	787	508	431.8	356	63.5	16-35
	12"	300	838	559	489.0	413	66.7	20-35

WATER CONTROL VALVE

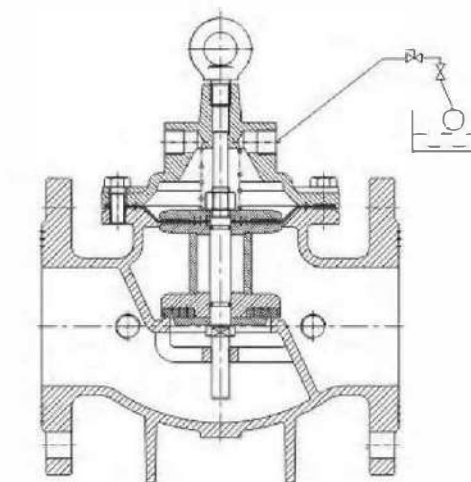
05



◆ K501 100X Remote Control Float Valve



The valve is composed of a main valve and an external guide valve. It is the use of float ball in the water due to the change in the level of the guide valve, so that the main valve water supply and close, so that the pool (box) and the water level of the tower control in a certain range, to prevent overflow and water level is too low. The valve is suitable for automatic water supply system of various pools (boxes) and water towers in industrial and mining enterprises and civil buildings, and also for circulating water supply system of atmospheric pressure boilers. The main valve is quick to open and slow to close, no water hammer, tight seal, no risk of flooding.



Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. Stable and reliable operation, large flow.
3. The disc opens quickly and closes slowly, without water hammer impact (closing time is adjustable).
4. Good non-return sealing effect and long service life.
5. Easy installation and maintenance.

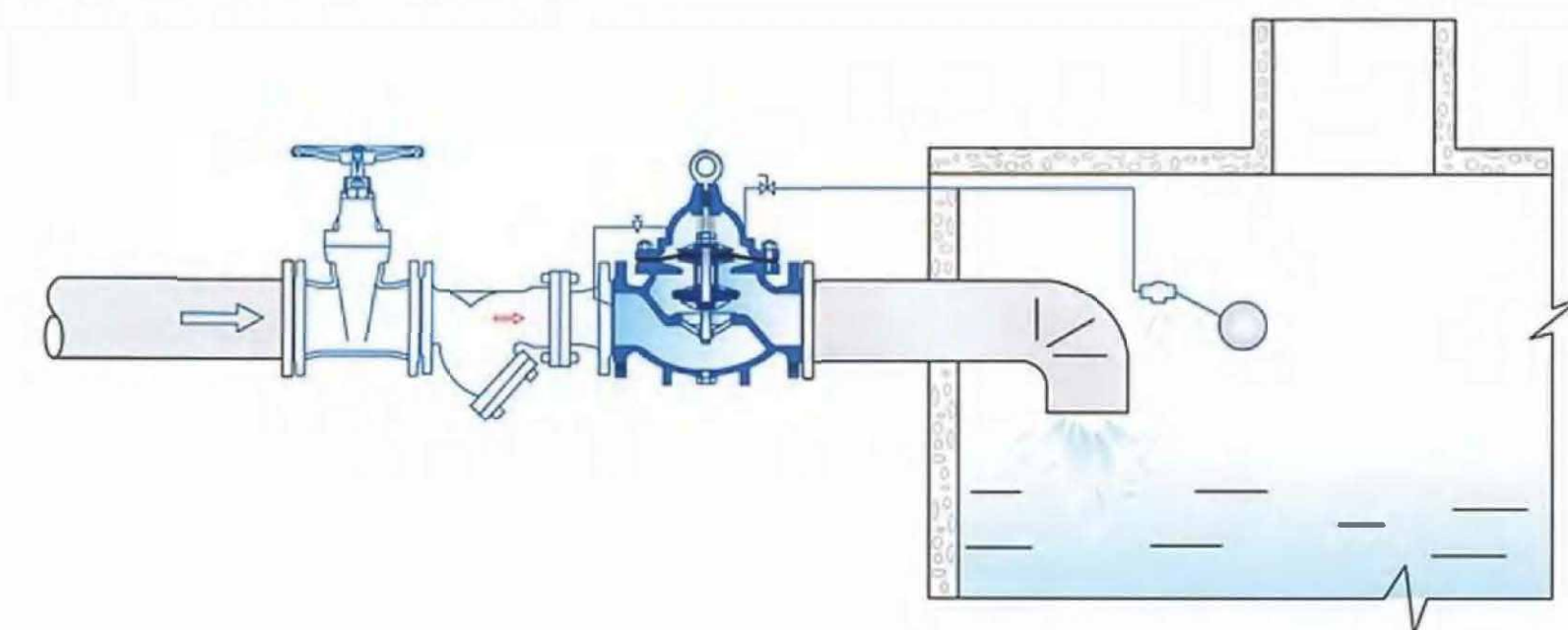
◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

◆ Performance Characteristics

Performance characteristics	
Nominal diameter:	DN50 -DN600
Nominal pressure:	PN16/PN25
Applicable temperature:	0-80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

◆ Installation Diagram



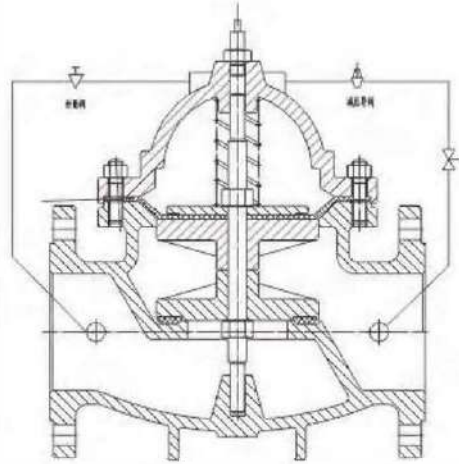
◆ K501 200X Pressure Reducing Valve



This product is aimed at high-rise, super high-rise building design, is to solve the high-rise building living water, fire water system, the requirements of large flow, high sensitivity occasions of the ideal product. Its performance is more superior, completely replace the intermediate water tank, save the cost of building intermediate water tank, expand the use area of the building.

Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. Stable and reliable operation, large flow.
3. The disc opens quickly and closes slowly, without water hammer impact (closing time is adjustable).
4. Good non-return sealing effect and long service life.
5. High voltage reduction and regulation accuracy, large adjustment range.
6. Easy installation and maintenance.

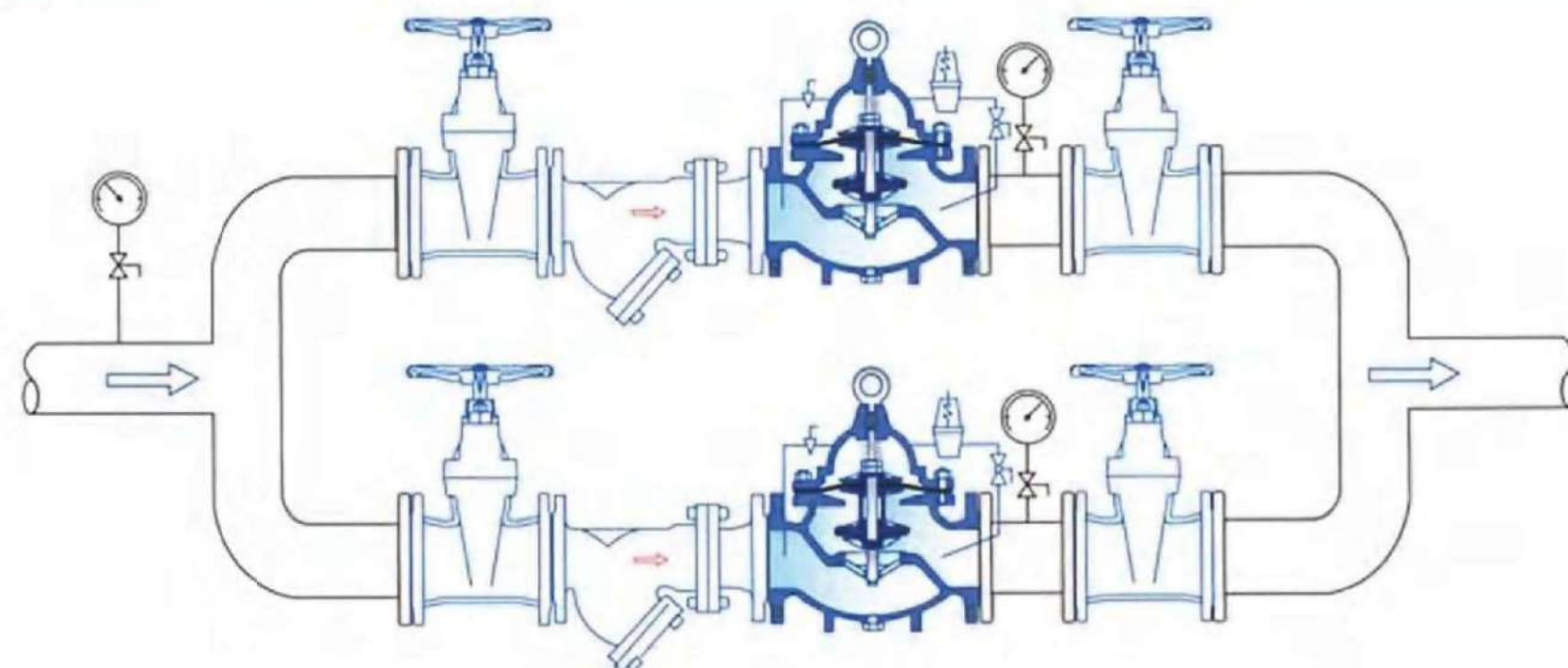


◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

Performance characteristics	
Nominal diameter:	DN50-DN600
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

◆ Installation Diagram



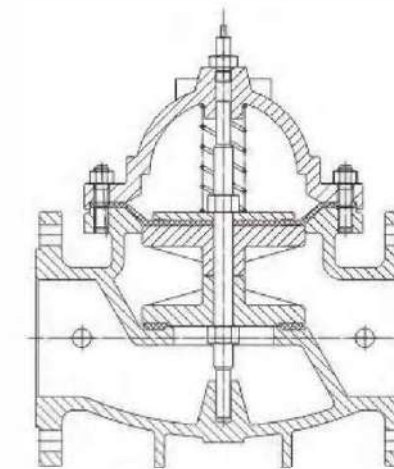
◆ K501 400X Flow Control Valve



Functions and purposes: the main valve installed in the road pipes to control flow and pressure of the pipeline, the scheduled traffic unchanged, limit excessive flow to a predetermined value, to reduce the high pressure upstream to downstream of low pressure. Even the pressure changes upstream of the main valve will not affect the downstream flow of the main valve.

Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. Stable and reliable operation, large flow.
3. Open and close without friction.
4. Good non-return sealing effect and long service life.
5. Easy installation and maintenance.



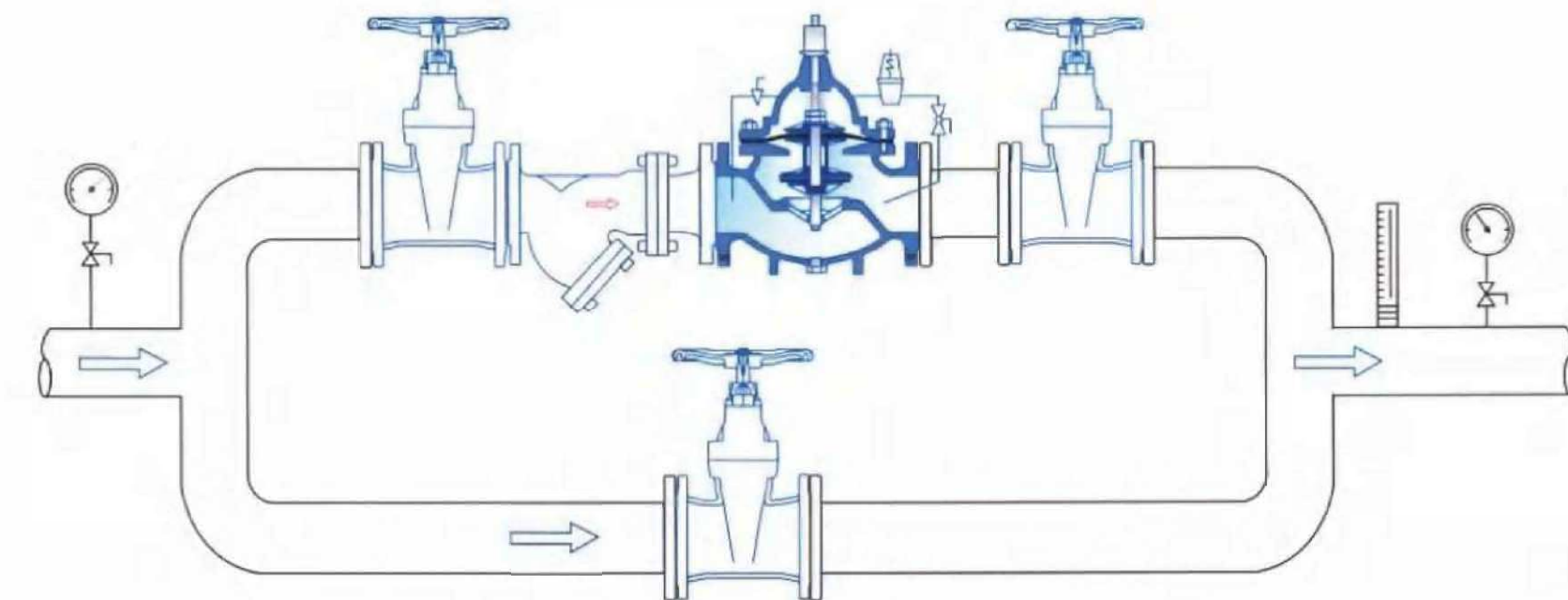
◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

◆ Performance Characteristics

Performance characteristics	
Nominal diameter:	DN50-DN600
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

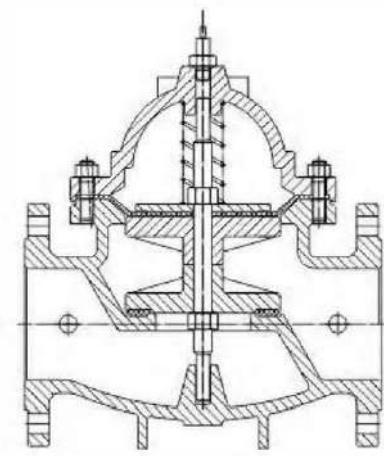
◆ Installation Diagram



◆ **K501 500X Pressure Relief Valve**



The valve is composed of a main valve and an external control pilot valve. It is mainly installed in the bypass of the protected water supply system of the building to ensure the pressure in the upstream water supply area of the main valve. When the pressure in the water supply pipe exceeds the pressure set by the relief valve, the relief valve opens to prevent the pipeline and equipment from being damaged due to over-pressure. The valve is mainly used in high-rise building fire test circulation system pressure relief, is the spring type safety valve upgrade products.



Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. The disc opens quickly and closes slowly, without water hammer impact.
3. High sensitivity, safe pressure relief.
4. Smooth operation without noise.
5. Easy installation and maintenance.

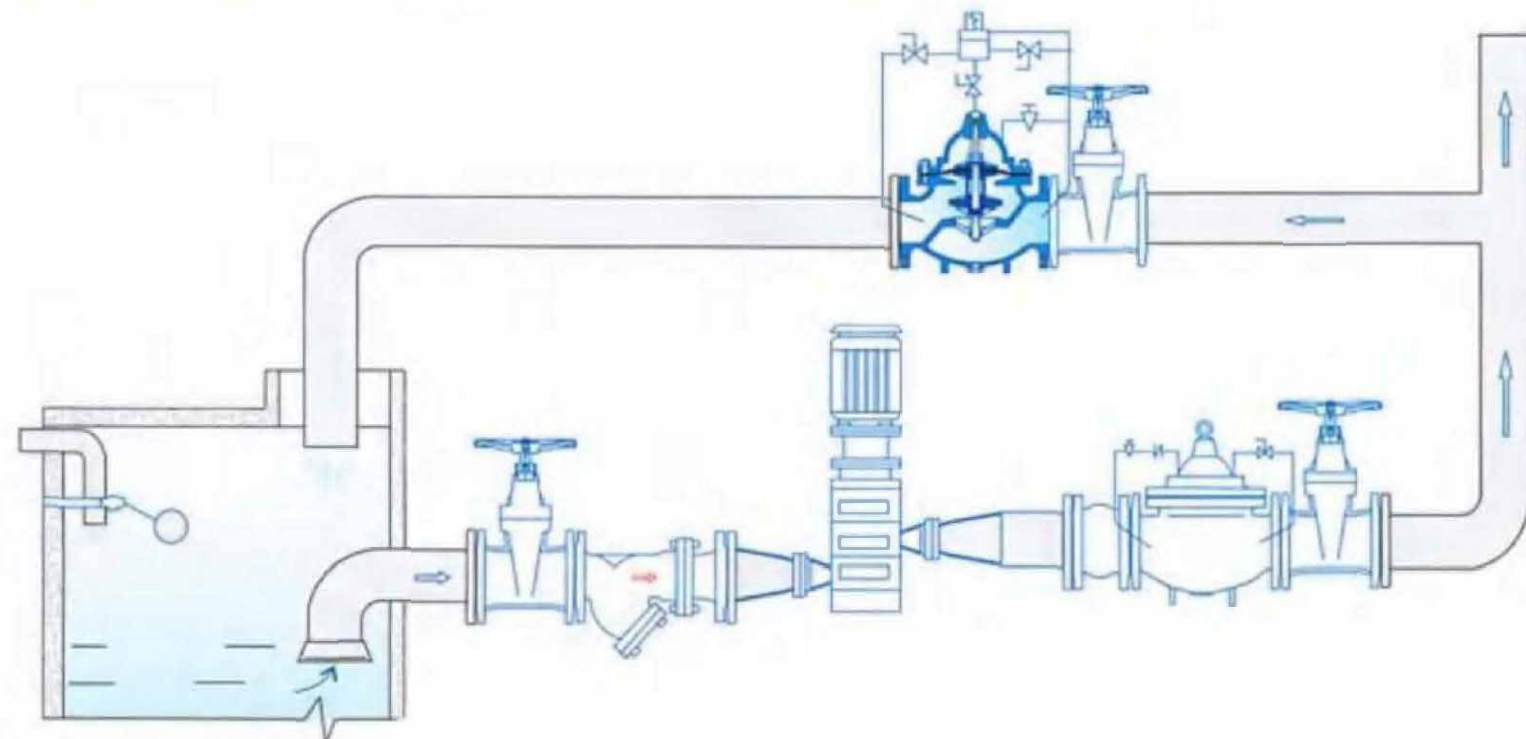
◆ **Main Parts Material**

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

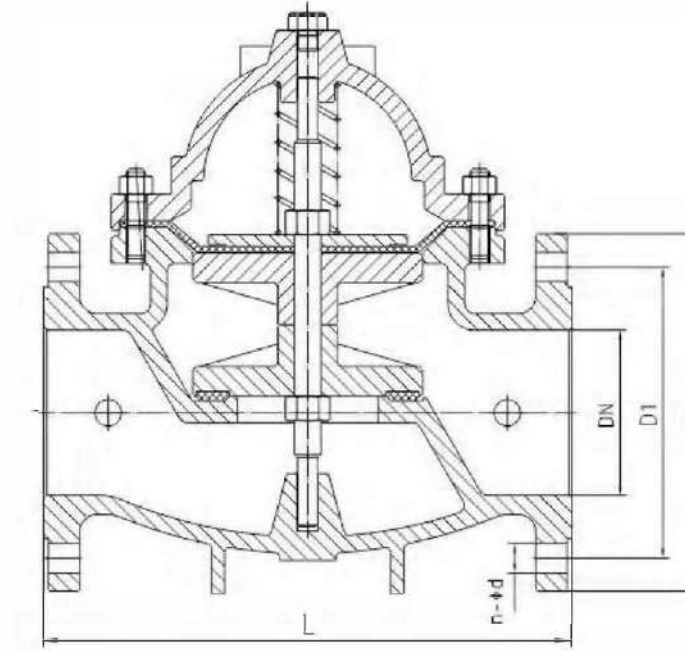
◆ **Performance Characteristics**

Performance characteristics	
Nominal diameter:	DN50 -DN600
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

◆ **Installation Diagram**



◆ **Main Outline And Connection Dimensions**



◆ **Common Model**

SIZE		L	D		D1		N-Ød	
DN	INCH		PN16	PN25	PN16	PN25	PN16	PN25
50	2	215	160	160	125	125	4-19	4-19
65	2.5	230	180	180	145	145	4-19	8-19
80	3	250	195	195	160	160	8-19	8-19
100	4	285	215	230	180	190	8-19	8-23
125	5	325	245	265	210	220	8-19	8-28
150	6	360	280	295	240	250	8-23	8-28
200	8	435	335	355	295	310	12-23	12-28
250	10	510	405	420	355	370	12-28	12-31
300	12	600	460	480	410	430	12-28	16-31

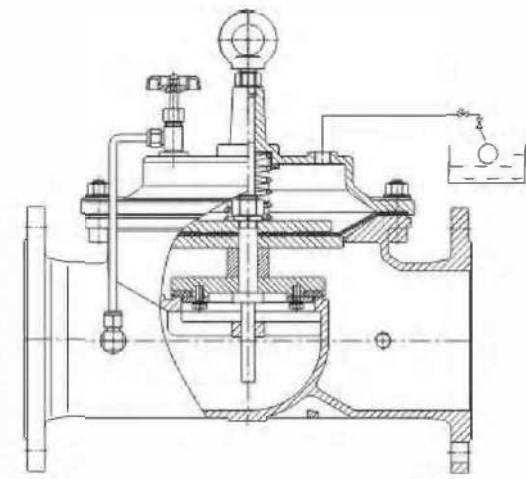
◆ **Heavy Model**

SIZE		L	D		D1		N-Ød	
DN	INCH		PN16	PN25	PN16	PN25	PN16	PN25
40	1.5	220	150	150	110	110	4-19	4-19
50	2	240	165	165	125	125	4-19	4-19
65	2.5	240	185	185	145	145	4-19	8-19
80	3	292	200	200	160	160	8-19	8-19
100	4	325	220	235	180	190	8-19	8-23
125	5	340	250	270	210	220	8-19	8-28
150	6	400	285	300	240	250	8-23	8-28
200	8	465	340	360	295	310	12-23	12-28
250	10	550	405	425	355	370	12-28	12-31
300	12	630	460	485	410	430	12-28	16-31
350	14	675	520	555	470	490	16-28	16-34
400	16	730	580	620	525	550	16-31	16-37
450	18	718	640	670	585	600	20-31	20-37
500	20	788	715	730	650	660	20-34	20-37
600	24	970	840	845	770	770	20-37	20-41
700	28	1120	910	960	840	875	24-37	24-44

◆ K502 100X Float Valve



The valve is composed of a main valve and an external guide valve. It is the use of float ball in the water due to the change in the level of the guide valve, so that the main valve water supply and close, so that the pool (box) and the water level of the tower control in a certain range, to prevent overflow and water level is too low. The valve is suitable for automatic water supply system of various pools (boxes) and water towers in industrial and mining enterprises and civil buildings, and also for circulating water supply system of atmospheric pressure boilers. The main valve is quick to open and slow to close, no water hammer, tight seal, no risk of flooding.



Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. Stable and reliable operation, large flow.
3. The disc opens quickly and closes slowly, without water hammer impact (closing time is adjustable).
4. Good non-return sealing effect and long service life.
5. Easy installation and maintenance.

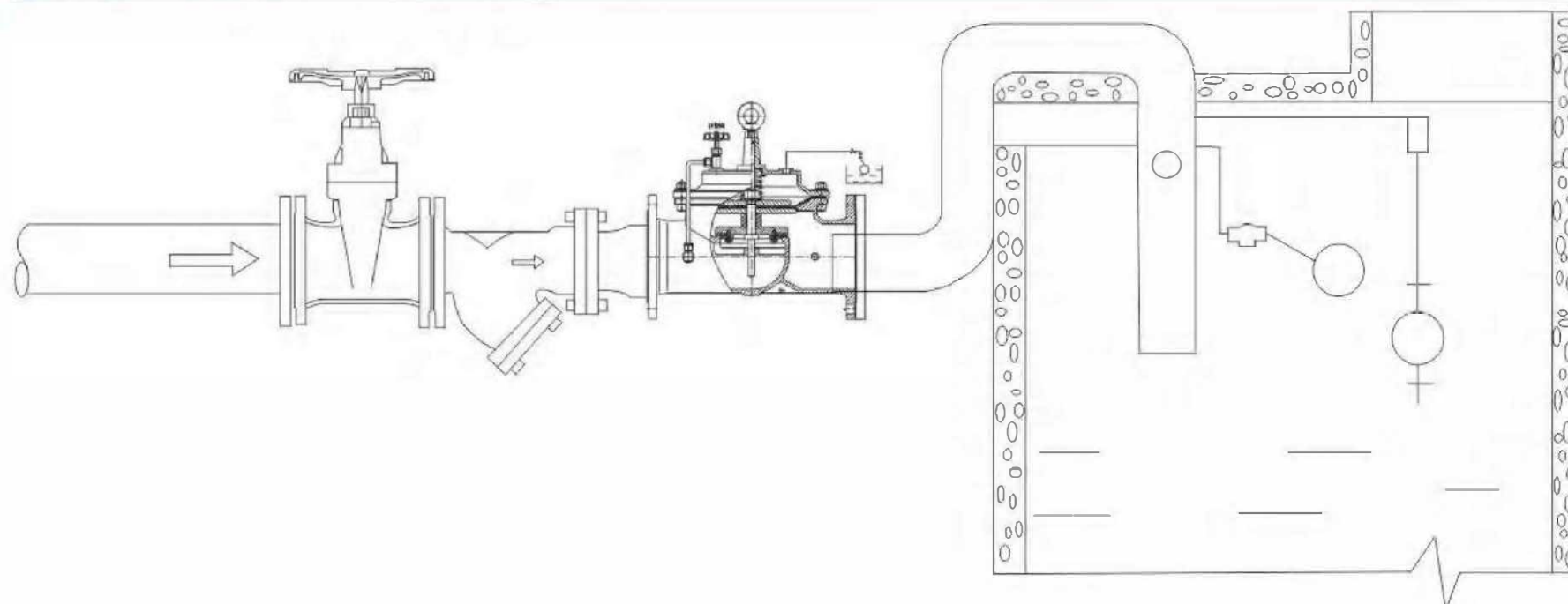
◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

◆ Performance Characteristics

Performance characteristics	
Nominal diameter:	DN50 -DN600
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

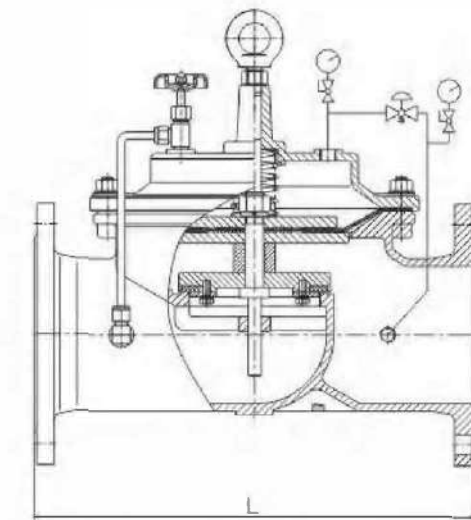
◆ Installation Diagram



◆ K502 200X Pressure Reducing Valve



Adjust and control the outlet pressure of the main valve. The outlet pressure of the main valve does not change due to changes in the inlet pressure, nor does it change the outlet pressure due to changes in the outlet flow of the main valve. This product is designed for high-rise and super-high-rise buildings. It is an ideal product for solving situations where large flow and high sensitivity are required in domestic water and fire water systems of high-rise buildings. The valve body adopts a full-through streamline design, with small fluid resistance and large flow rate, which can reduce dynamic pressure and static pressure.



Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. Stable and reliable operation, large flow.
3. The disc opens quickly and closes slowly, without water hammer impact (closing time is adjustable).
4. Good non-return sealing effect and long service life.
5. High voltage reduction and regulation accuracy, large adjustment range.
6. Easy installation and maintenance.

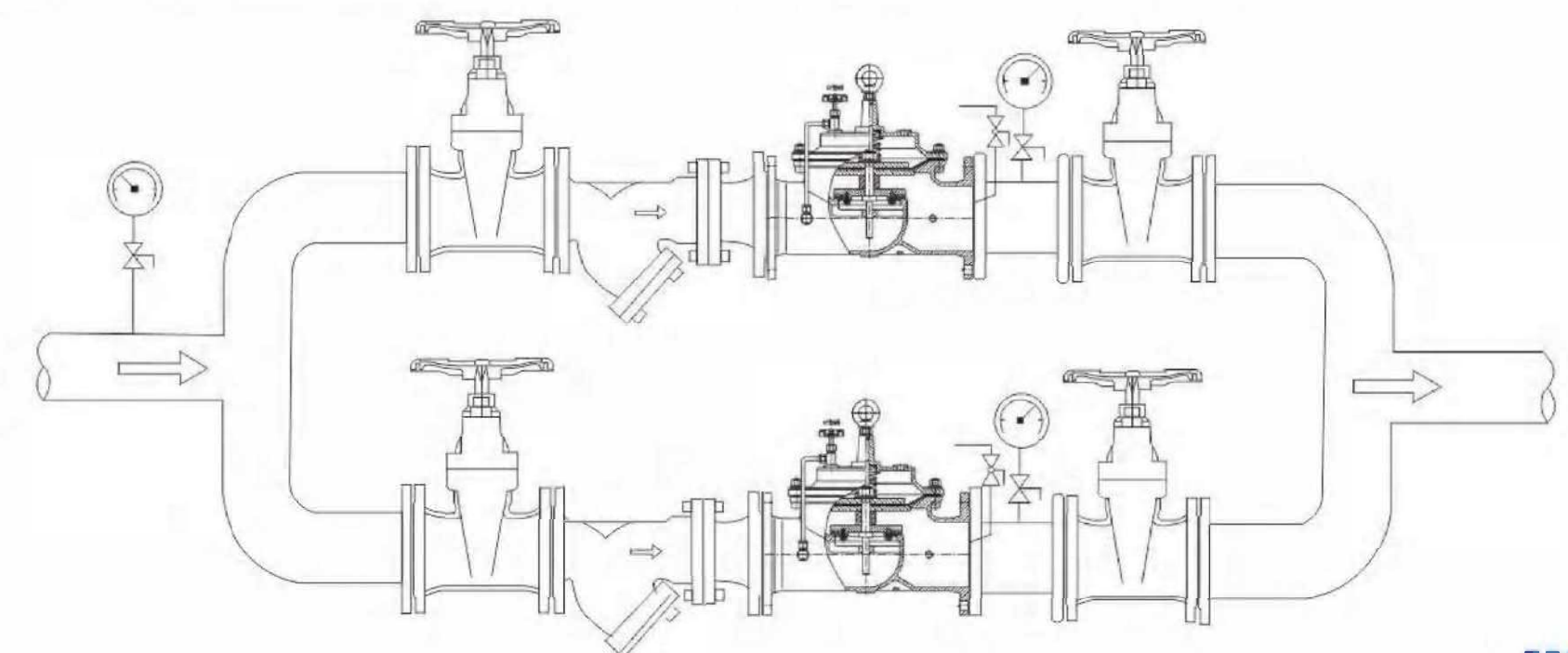
◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

◆ Performance Characteristics

Performance characteristics	
Nominal diameter:	DN50 -DN800
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

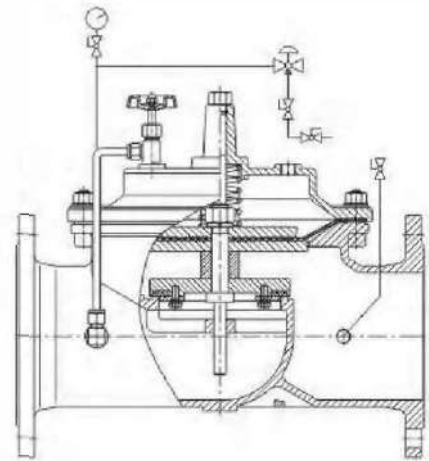
◆ Installation Diagram



◆ K502 500X Pressure Relief Valve



The valve is composed of a main valve and an external control pilot valve. It is mainly installed in the bypass of the protected water supply system of the building to ensure the pressure in the upstream water supply area of the main valve. When the pressure in the water supply pipe exceeds the pressure set by the relief valve, the relief valve opens to prevent the pipeline and equipment from being damaged due to over-pressure. The valve is mainly used in high-rise building fire test circulation system pressure relief, is the spring type safety valve upgrade products.



Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. The disc opens quickly and closes slowly, without water hammer impact.
3. High sensitivity, safe pressure relief.
4. Smooth operation without noise.
5. Easy installation and maintenance.

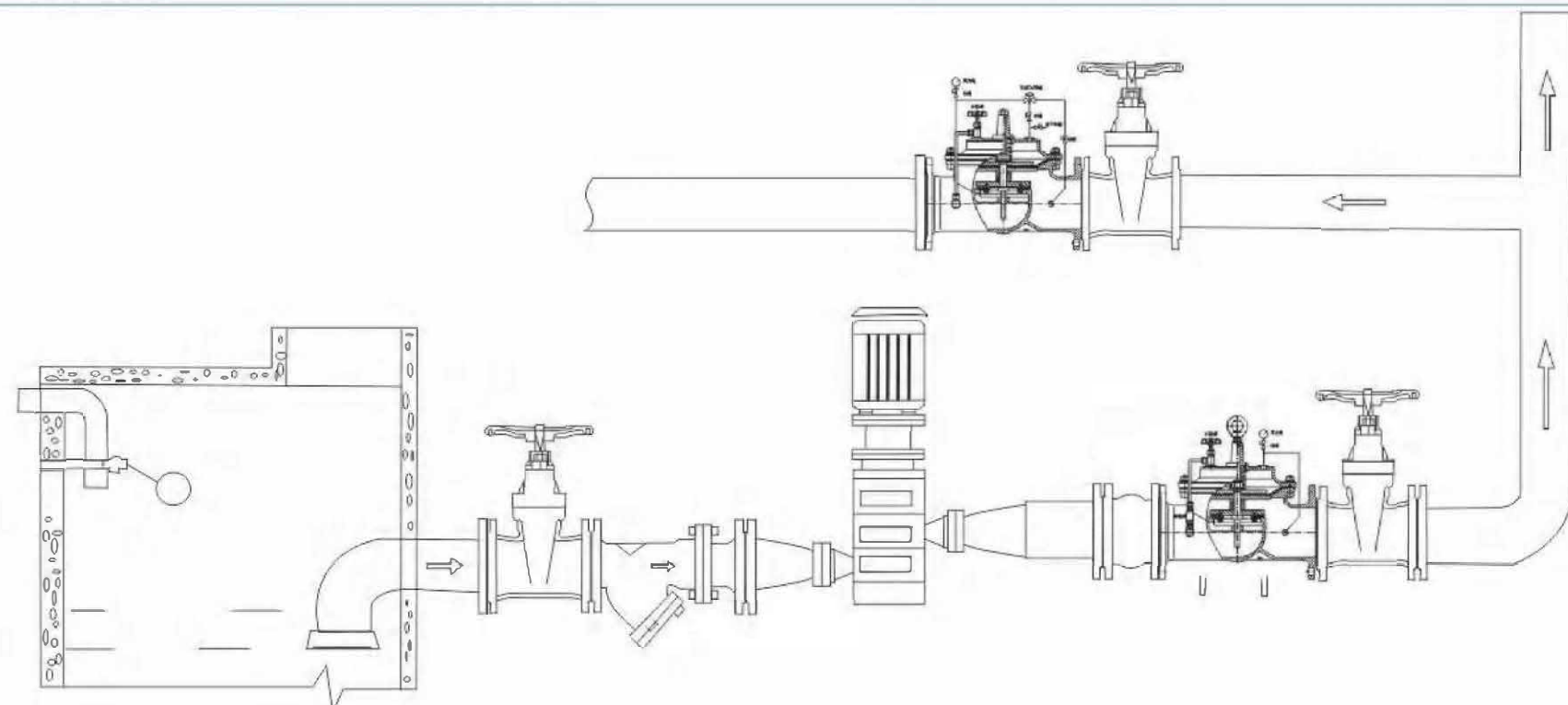
◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

◆ Performance Characteristics

Performance characteristics	
Nominal diameter:	DN50 -DN800
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

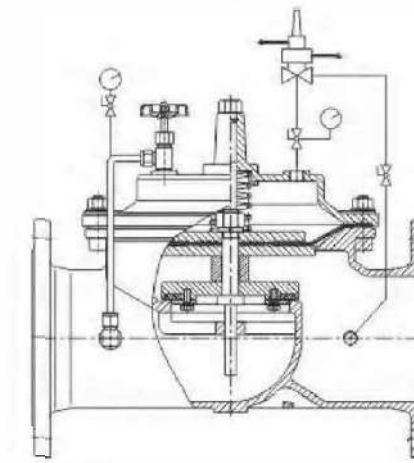
◆ Installation Diagram



◆ K502 Surge Anticipation Valve



The Surge anticipator valve is indispensable for protecting pumps, pumping equipment and all applicable pipelines from dangerous pressure surges caused by rapid changes of flow velocity. The Surge anticipator valve is to prevent damage to equipment and pipelines caused by water hammer by quickly releasing excessive pressure in the system.



Performance characteristics

1. Novel and reasonable structure, rational use of hydraulic control theory.
2. Protects Against Water Hammer Surge.
3. Opens on Initial Low Pressure Wave.
4. Closes Slowly to Prevent Subsequent Surges.
5. Adjustable Over a Wide Flange of Settings.
6. Anticipation Pilot is used for sensing to open at pressure before surge for quick relief high pressure wave.
7. The pre-open function eliminates the surge during pump abrupt stoppage.
8. The valve releases excessive system pressure.

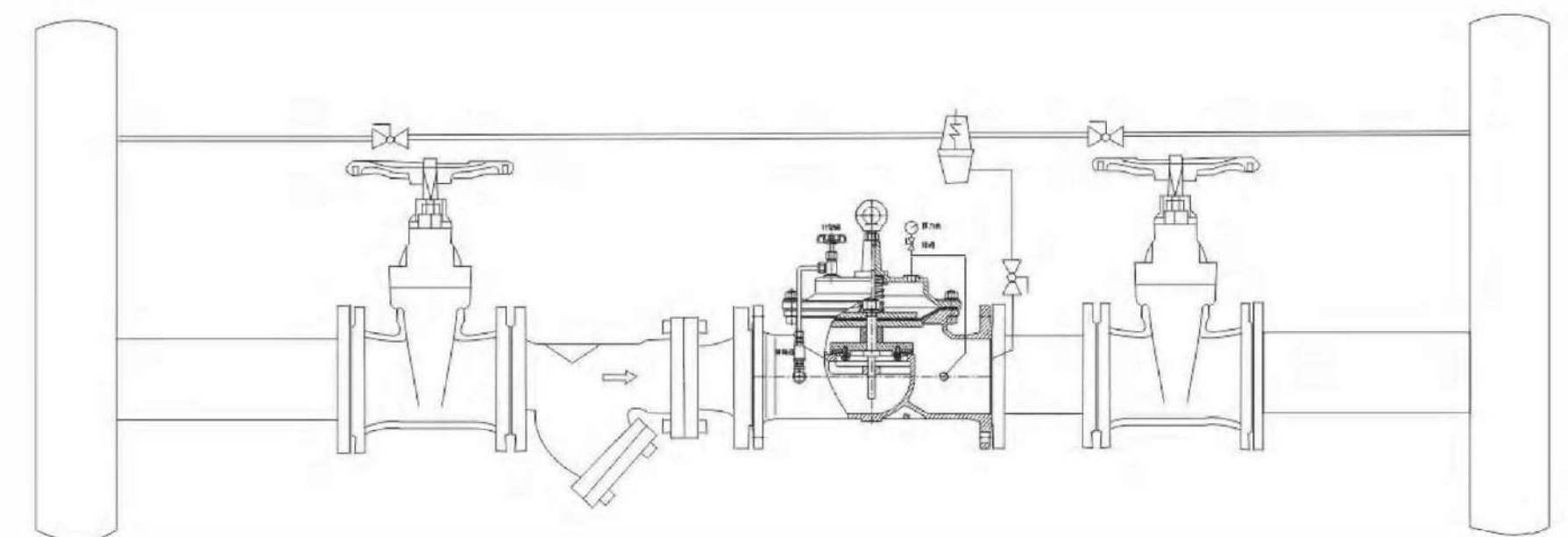
◆ Main Parts Material

Main material		
1	Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
2	Seat	Bronze, SS
3	O-Ring	NBR, EPDM
4	Stem	SS
5	Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
6	Disc	DI, CF8, Brass
7	Diaphragm	EPDM, NBR+NYLON
8	Spring	SS304

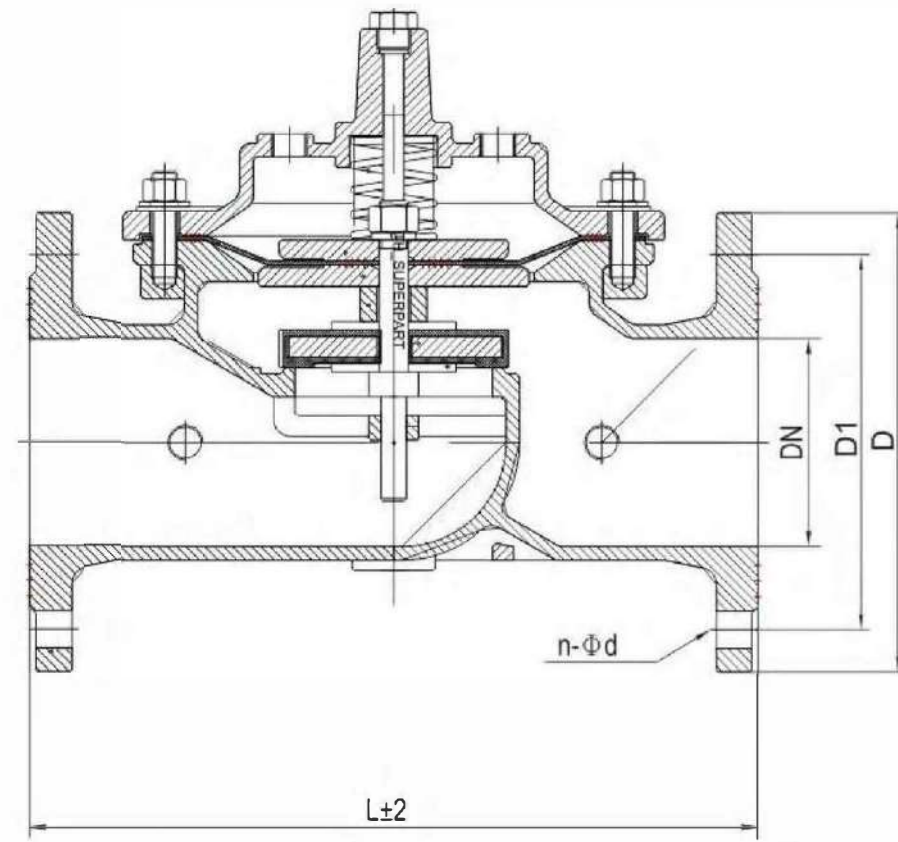
◆ Performance Characteristics

Performance characteristics	
Nominal diameter:	DN50 -DN800
Nominal pressure:	PN16/PN25
Applicable temperature:	0~80 °C
Applicable medium:	Water
Minimum differential pressure:	0.1Mpa
Design standard:	JB/T 10674 -2006
Test standard:	GB/T 13927 -2008
Liquid level control height :	≤150mm

◆ Installation Diagram



◆ Main Outline And Connection Dimensions



SIZE		L	D		D1		N-Φd	
DN	INCH		PN16	PN25	PN16	PN25	PN16	PN25
50	2	230	165	165	125	125	4 - 19	4 - 19
65	2.5	290	185	185	145	145	4 - 19	8 - 19
80	3	310	200	200	160	160	8 - 19	8 - 19
100	4	350	220	235	180	190	8 - 19	8 - 23
125	5	400	250	270	210	220	8 - 19	8 - 28
150	6	480	285	300	240	250	8 - 23	8 - 28
200	8	600	340	360	295	310	12 - 23	12 - 28
250	10	730	405	425	355	370	12 - 28	12 - 31
300	12	850	460	485	410	430	12 - 28	16 - 31
350	14	980	520	555	470	490	16 - 28	16 - 34
400	16	1100	580	620	525	550	16 - 31	16 - 37
450	18	1200	640	670	585	600	20 - 31	20 - 37
500	20	1250	715	730	650	660	20 - 34	20 - 37
600	24	1450	840	845	770	770	20 - 37	20 - 40
700	28	1650	910	960	840	875	24 - 37	24 - 43
800	32	1850	1025	1085	950	950	24 - 40	24 - 49

◆ K503 Italic Diaphragm Type Water Pump Control Valve



Used in the water pump outlet of high-rise buildings or other water supply systems, it can prevent medium backflow and reduce water hammer to achieve safety and quietness. It can prevent water hammer and water shock to achieve the effect of slow closing and silencing. It is a check valve that can regulate the opening and closing speed. When the water pump is started or running, it can be adjusted on site to the optimal opening or closing speed.

◆ Main Performance Specifications

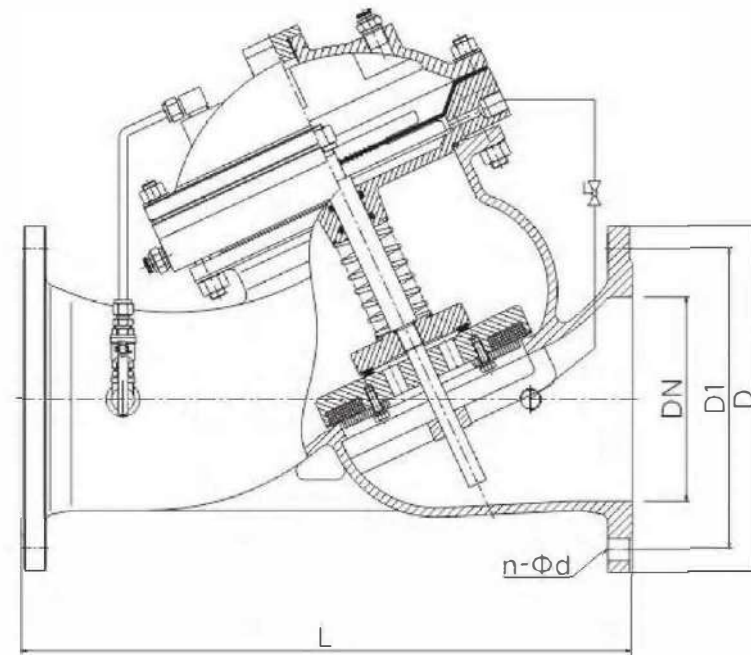
Nominal pressure	Test pressure		Nominal diameter	Medium
	Mpa	Shell		
1.0	1.5	1.1	50-1200	Water
1.6	2.4	1.76		
2.5	3.75	2.75		

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Plate	CS, SS
Sealing Ring	EPDM, NBR
Stem	SS
Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Disc	CS, SS
Diaphragm	EPDM, NBR+NYLON
Spring	A2-70

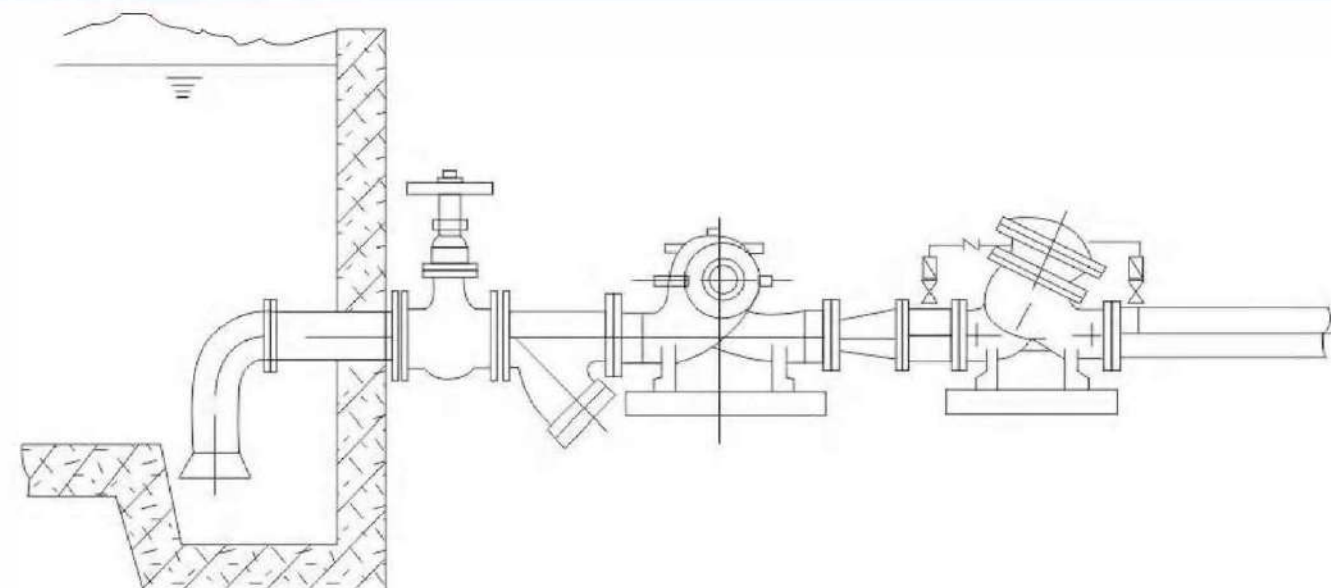
◆ Main Outline And Connection Dimensions

JD745X



SIZE		L		D			D1			n-Φd		
DN	INCH	GB	Factory Standard	1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa
50	2	230	203	165	165	165	125	125	125	4-18	4-18	4-18
65	2.5	290	216	185	185	185	145	145	145	(4)8-18	(4)8-18	(4)8-18
80	3	310	250	200	200	200	160	160	160	8-18	8-18	8-18
100	4	350	320	220	220	235	180	180	190	8-18	8-18	8-22
125	5	400	365	250	250	270	210	210	220	8-18	8-18	8-26
150	6	480	480	285	285	300	240	240	250	8-22	8-22	8-26
200	8	600	540	340	340	360	295	295	310	8-22	12-22	12-26
250	10	730	600	395	405	425	350	355	370	12-22	12-26	12-30
300	12	850	710	445	460	485	400	410	430	12-22	12-26	16-30
350	14	980	800	505	520	555	460	470	490	16-22	16-22	16-33
400	16	1100	980	565	580	620	515	525	550	16-26	16-30	16-36
450	18	1200	1020	615	640	670	565	585	600	20-26	20-30	20-36
500	20	1250	1100	670	715	730	620	650	660	20-26	20-33	20-36
600	24	1450	1300	780	840	845	725	770	770	20-30	20-36	20-39
700	28	/	1520	895	910	960	840	840	875	24-30	24-36	24-42
800	32	/	1750	1015	1025	1085	950	950	990	24-33	24-39	24-48
900	36	/	1800	1115	1125	1185	1050	1050	1090	28-33	28-39	28-48
1000	40	/	2000	1230	1255	1320	1160	1170	1210	28-36	28-42	28-56
1200	48	/	2350	1455	1485	1530	1380	1390	1420	32-39	32-48	32-48

◆ Installation Diagram



◆ K504 Italic Piston Type Water Pump Control Valve



It is mainly used as an intelligent valve installed at the outlet of a water pump in a large-diameter water supply pipe system to prevent medium backflow, water hammer and water hammer.

This hydraulic control valve has three functions: electric valve, check valve and water hammer eliminator, which can effectively improve the safety and reliability of the water supply system. The double-chamber structure can enable the valve to quickly close 90% after stopping the pump to prevent backflow of the medium. The water pump reverses and then slowly shuts down the remaining 10% to eliminate destructive water hammer. The piston valve has reliable performance, high strength and smooth movement, preventing water hammer when the pump is started and water hammer when the pump is stopped.

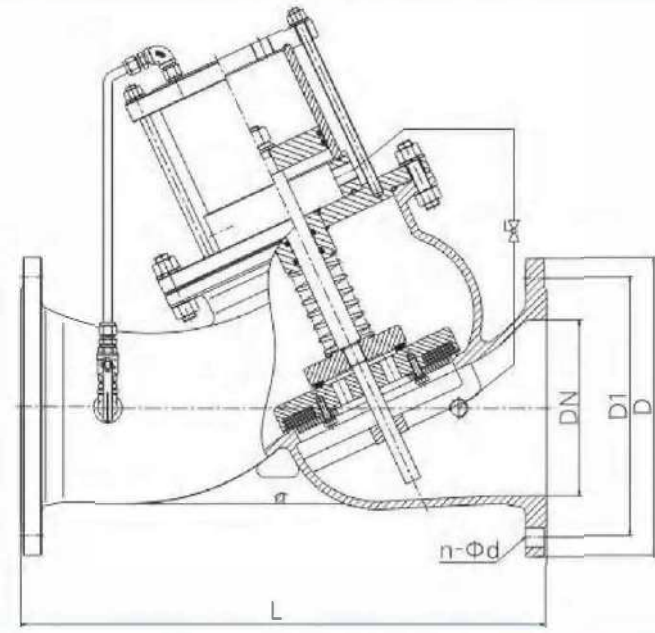
◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter	Medium
	Shell	Seal		
Mpa	DN(mm)		50-1200	Water
1.0	1.5	1.1		
1.6	2.4	1.76		
2.5	3.75	2.75		

◆ Main Parts Material

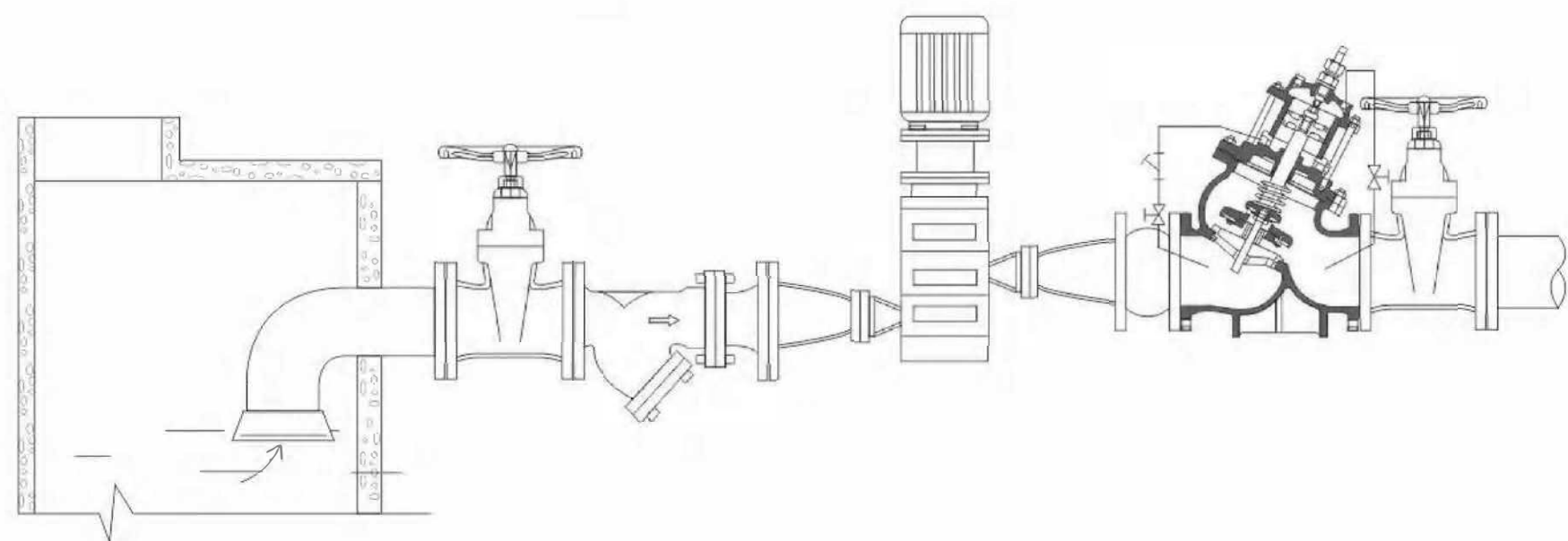
Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Plate	CS, SS
Sealing Ring	EPDM, NBR
Stem	SS
Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Disc	CS, SS
Diaphragm	EPDM, NBR+NYLON
Spring	A2-70

◆ Main Outline And Connection Dimensions



SIZE		L		D			D1			n-Φd		
DN	INCH	GB	Factory Standard	1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa	1.0MPa	1.6MPa	2.5MPa
50	2	230	203	165	165	165	125	125	125	4-18	4-18	4-18
65	2.5	290	216	185	185	185	145	145	145	(4)8-18	(4)8-18	(4)8-18
80	3	310	250	200	200	200	160	160	160	8-18	8-18	8-18
100	4	350	320	220	220	235	180	180	190	8-18	8-18	8-22
125	5	400	365	250	250	270	210	210	220	8-18	8-18	8-26
150	6	480	480	285	285	300	240	240	250	8-22	8-22	8-26
200	8	600	540	340	340	360	295	295	310	8-22	12-22	12-26
250	10	730	600	395	405	425	350	355	370	12-22	12-26	12-30
300	12	850	710	445	460	485	400	410	430	12-22	12-26	16-30
350	14	980	800	505	520	555	460	470	490	16-22	16-22	16-33
400	16	1100	980	565	580	620	515	525	550	16-26	16-30	16-36
450	18	1200	1020	615	640	670	565	585	600	20-26	20-30	20-36
500	20	1250	1100	670	715	730	620	650	660	20-26	20-33	20-36
600	24	1450	1300	780	840	845	725	770	770	20-30	20-36	20-39
700	28	/	1520	895	910	960	840	840	875	24-30	24-36	24-42
800	32	/	1750	1015	1025	1085	950	950	990	24-33	24-39	24-48
900	36	/	1800	1115	1125	1185	1050	1050	1090	28-33	28-39	28-48
1000	40	/	2000	1230	1255	1320	1160	1170	1210	28-36	28-42	28-56
1200	48	/	2350	1455	1485	1530	1380	1390	1420	32-39	32-48	32-48

◆ Installation Diagram



◆ K505 SP45F Digital Lock Balance Valve



The SP45F digital lock balance valve is a liquid pipeline flow regulating valve. Its function is to adjust the flow conveniently and accurately, effectively solving the problems of uneven cold and heat and hydraulic imbalance in the pipe network system. It not only has good adjustment performance, but also has opening degree display and opening degree locking functions. It is widely used in heating and air conditioning systems and other liquid piping systems that need to be adjusted. Since there is no small flow pressure measuring valve on this valve, smart instruments can be used for one-time debugging to control the total water volume in the system within a reasonable range and achieve the balance of the pipe network, thus saving energy significantly.

Features

1. Linear flow characteristics, large flow when opening is large, small flow when opening is small.
2. The valve body adopts a direct flow structure with low liquid resistance.
3. The number of opening turns is displayed, and the product of the number of opening turns and the pitch of the valve stem is the opening valve.
4. There is a small pressure measuring valve at the inlet and outlet of the valve. After connecting with the smart instrument hose, the pressure difference before and after the valve and the flow rate through the valve can be easily measured.
5. Each valve is equipped with a dedicated key, which cannot be opened without a key after being locked.
6. The sealing surface is made of PTFE, which has good sealing performance and long life.

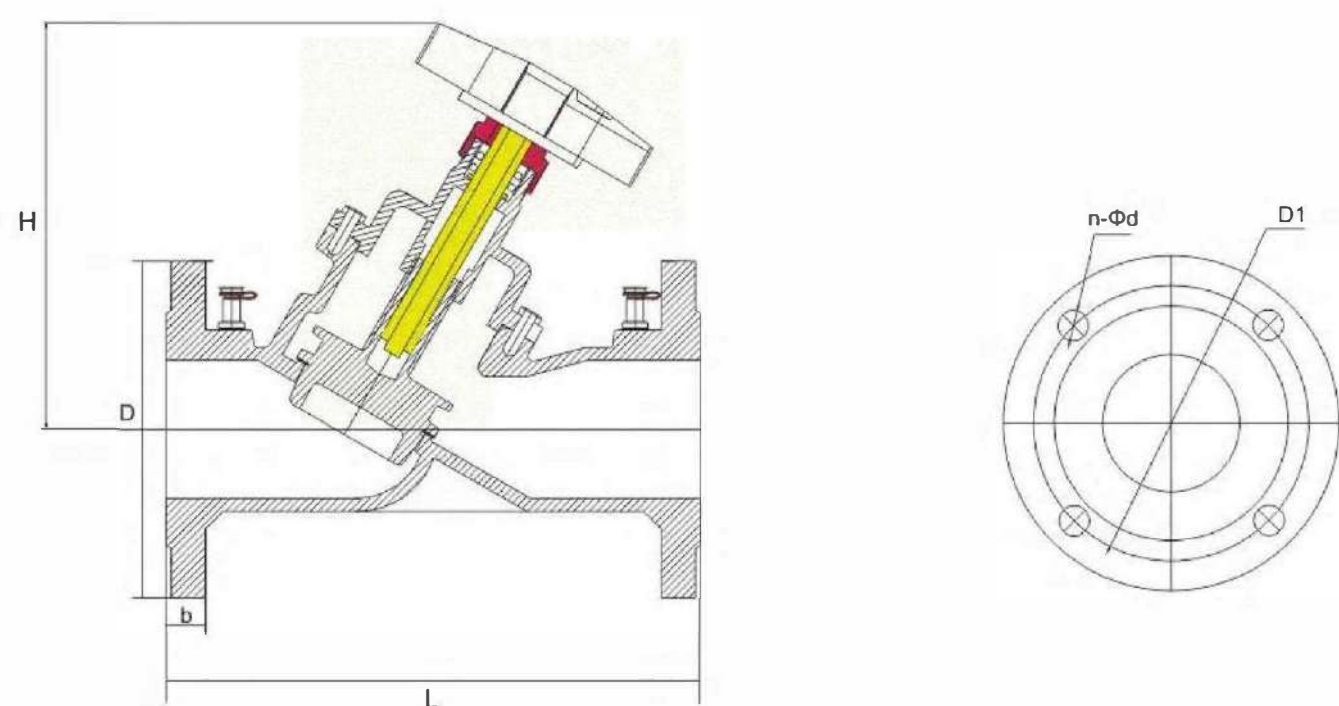
◆ Main Performance Specifications

Model	Nominal pressure	Test pressure		Temperature	Medium
	PN(Mpa)	Shell	Seal		
SP45 -10 SP15 -10	1.0	1.5	1.1	0-80 °C	Water, oil and other liquids
SP45F -16 SP15F -16	1.6	2.4	1.76		

◆ Main Parts Material

Part Name	Material
Body	GG25,GGG50, DI, A536, WCB, SS, Brass, Bronze
Stem	Brass, Bronze, SS
Bonnet	DI, SS, Brass
Seal	PTFE/EPDM
Handwheel	PA, ABS, DI
Spring	Brass

◆ Main Outline And Connection Dimensions



SIZE		Main dimensions(mm)					
DN	INCH	L	D	D1	n-d	b	H
32	1 1/4	232	135	100	4-18	17	245
40	1 1/2	232	145	110	4-18	17	245
50	2	232	155	125	4-18	17	245
65	2 1/2	294	180	145	8-18	18	250
80	3	310	195	160	8-18	20	255
100	4	345	215	180	8-18	22	290
125	5	395	245	210	8-18	19	310
150	6	480	280	240	8-23	23	340
200	8	530	335	295	12-23	21	470
250	10	555	405	355	12-26	24	490
300	12	600	455	410	12-27	25	530

GLOBE VALVE

06



◆ **K601 GB Cast Iron/Ductile Iron Globe Valve**



All globe valves use the concept of "cutting off the flow path" of the valve to control the flow of media through a specific channel area through the valve disc (not a conventional channel form like a gate valve). Although it does not have a straight-through channel like a gate valve, a globe valve has two advantages: throttling and high-frequency switching. The medium in the globe valve flows evenly around the valve disc instead of passing through a narrow specific area, so it has good throttling performance.

◆ **Main Performance Specifications**

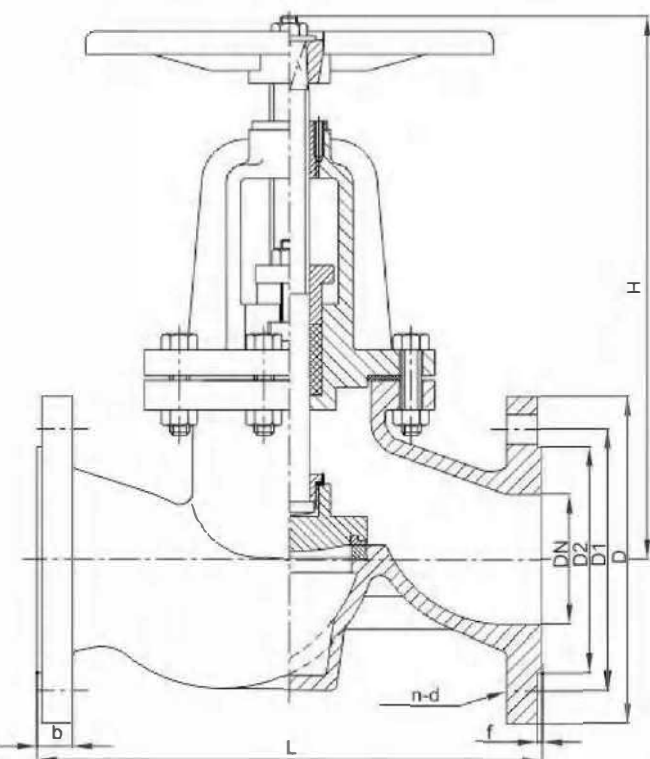
Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Mpa	Shell			
1.0	1.5	1.1	50-300	≤120°C	Water and Sewage
1.6	2.4	1.76			

◆ **Main Parts Material**

Part Name	材质 Material
Body	GG25, CI, GGG50, DI, A536
Body seat	Brass
Bonnet	GG25, CI, GGG50, DI, A536
Disc	GGG50, DI, A536
Wedge seal	Bronze, Brass, SS304
Stem	SS304, SS420
Gasket	Graphite
Operate	Handwheel, Electric Actuator, Pneumatic actuators

◆ **Main External And Connection Dimension**

J41H-16Z/Q



DN	L	D	D1	D2	b	f	n-d	H
15	130	95	65	46	14	2	4-14	215
20	150	105	75	56	16	2	4-14	220
25	160	115	85	65	16	3	4-14	230
32	180	140	100	76	18	3	4-18	249
40	200	150	110	84	18	3	4-18	258
50	230	165	125	99	20	3	4-18	276
65	290	185	145	118	20	3	4-18	302
80	310	200	160	132	22	3	8-18	322
100	350	220	180	156	24	3	8-18	347
125	400	250	210	184	26	3	8-18	406
150	480	285	240	211	26	3	8-22	433
200	600	340	295	266	30	3	12-22	506
250	730	405	355	319	32	3	12-26	556
300	850	460	410	370	32	4	12-26	648

◆ **K601 API Cast Iron/Ductile Iron Globe Valve**



All globe valves use the concept of "cutting off the flow path" of the valve to control the flow of media through a specific channel area through the valve disc (not a conventional channel form like a gate valve). Although it does not have a straight-through channel like a gate valve, a globe valve has two advantages: throttling and high-frequency switching. The medium in the globe valve flows evenly around the valve disc instead of passing through a narrow specific area, so it has good throttling performance.

◆ **Main Performance Specifications**

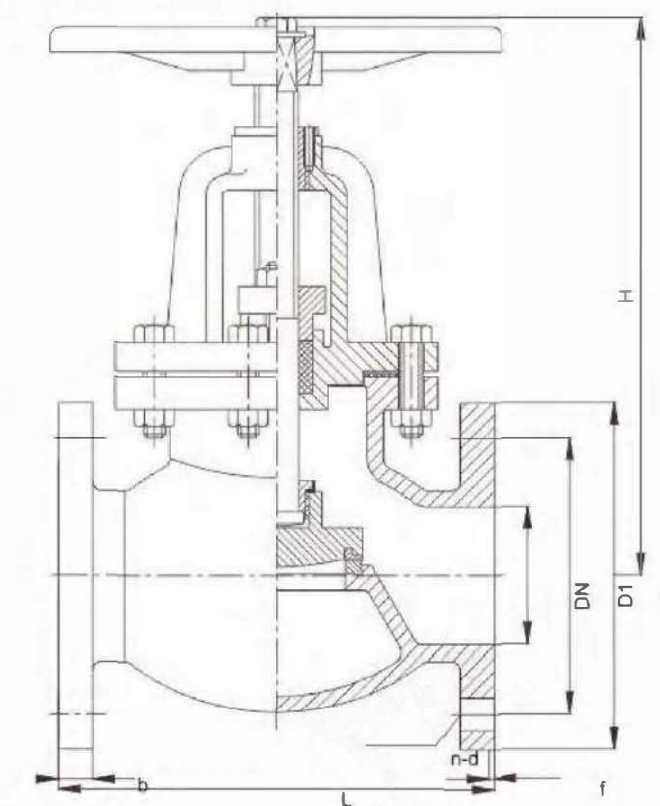
Nominal pressure	Test pressure		Nominal diameter	Temperature	Medium
	Class	Shell			
125LB	2.4	1.76	50-300	≤120°C	Water and Sewage
150LB	3.0	2.2			

◆ **Main Parts Material**

Part Name	Material
Body	GG25, CI, GGG50, DI, A536
Body seat	Brass
Bonnet	GG25, CI, GGG50, DI, A536
Disc	GGG50, DI, A536
Wedge seal	Bronze, Brass, SS304
Stem	SS304, SS420
Gasket	Graphite
Operate	Handwheel, Electric Actuator, Pneumatic actuators

◆ **Main External And Connection Dimension**

J41H-150LB



DN	L	D	D1	b	f	n-d	H
15	108	95	65	14	2	4-14	204
20	117	98	70	16	2	4-16	209
25	127	108	79.5	16	3	4-16	218
32	140	117	89	18	3	4-16	239
40	165	127	98.5	18	3	4-16	248
50	203	152	120.5	20	3	4-19	260
65	216	178	129.5	20	3	4-19	286
80	241	191	152.5	22	3	8-19	306
100	292	229	190.5	24	3	8-19	331
125	330	254	216	26	3	8-22	388
150	356	279	241.5	26	3	8-22	414
200	495	343	298.5	30	3	12-22	484
250	622	406	362	32	3	12-25	533
300	698	483	432	32	4	12-25	624

◆ **K602 Carbon Steel / Stainless Steel Globe Valve**



All globe valves use the concept of "cutting off the flow path" of the valve to control the flow of media through a specific channel area through the valve disc (not a conventional channel form like a gate valve). Although it does not have a straight-through channel like a gate valve, a globe valve has two advantages: throttling and high-frequency switching. The medium in the globe valve flows evenly around the valve disc instead of passing through a narrow specific area, so it has good throttling performance.

◆ **Design And Manufacturing Standards**

Design spec.	Face to Face	Flange End	Test a Check	Pressure-Temp
GB/T 12234	GB/T 12221	JB/T 79	JB/T 9092	GB/T 9124
API 600	ASME B16.10	ASME B16.5	API 598	ASME B16.34

◆ **Main Parts Material**

Part Name	GB			ASME		
	Material	Material	Material	Material	Material	Material
Body/Bonnet	WCB	ZGCr5Mo	304	A216 WCB	A217 WC6	A351 CF8
Disc	WCB	ZGCr5Mo	304	A216 WCB	A217 WC6	A351 CF8
Stem	13Cr	25Cr2MoV	304	A182 F6a	A217 WC6	A351 CF8
Packing	PTFE /Flexible Graphite					
Gasket	304+/Flexible Graphite					
Bolt	35/35CrMo	25Cr2MoV	304	A193B7	A193 B7	A193 B8
Applicable temperature	-29~425°C	-29~550°C	40~200°C	-29~425°C	-29~540°C	-46~425°C
Applicable medium	Water,Oil,Steam	Water,Oil,Steam	Nitric Acid	Water,Oil,Steam	Water,Oil,Steam	Nitric Acid

◆ **K602 GB Globe Valve**

1. The product designed and manufactured according to national standard GB 12235, reasonable structure, reliable sealing, excellent performance and beautiful shape.
2. Flap valve, the valve seat sealing surface of iron based alloy or stellite (stellite)made of cobalt-based alloy welding, wear-resistant, high temperature, corrosion, anti-abrasion performance, long life.
3. Stem quenched and the nitrogen treatment,with good resistance to corrosion and scratch resistance.
4. Can be used with a variety of standard pipe flanges and flange sealing surface types to meet various project needs and user requirements.
5. Body material variety, packing,gasket can be based on actual working conditions or the user requests a reasonable option, can be applied with all kinds of pressure,temperature and medium conditions.
6. Sealed with screw connection seal back seat or body made of stainless steel welding,sealing and reliable replacement of filling in non-stop convenient and efficient manner does not affect system operation.

◆ **Design And Manufacturing Standards**

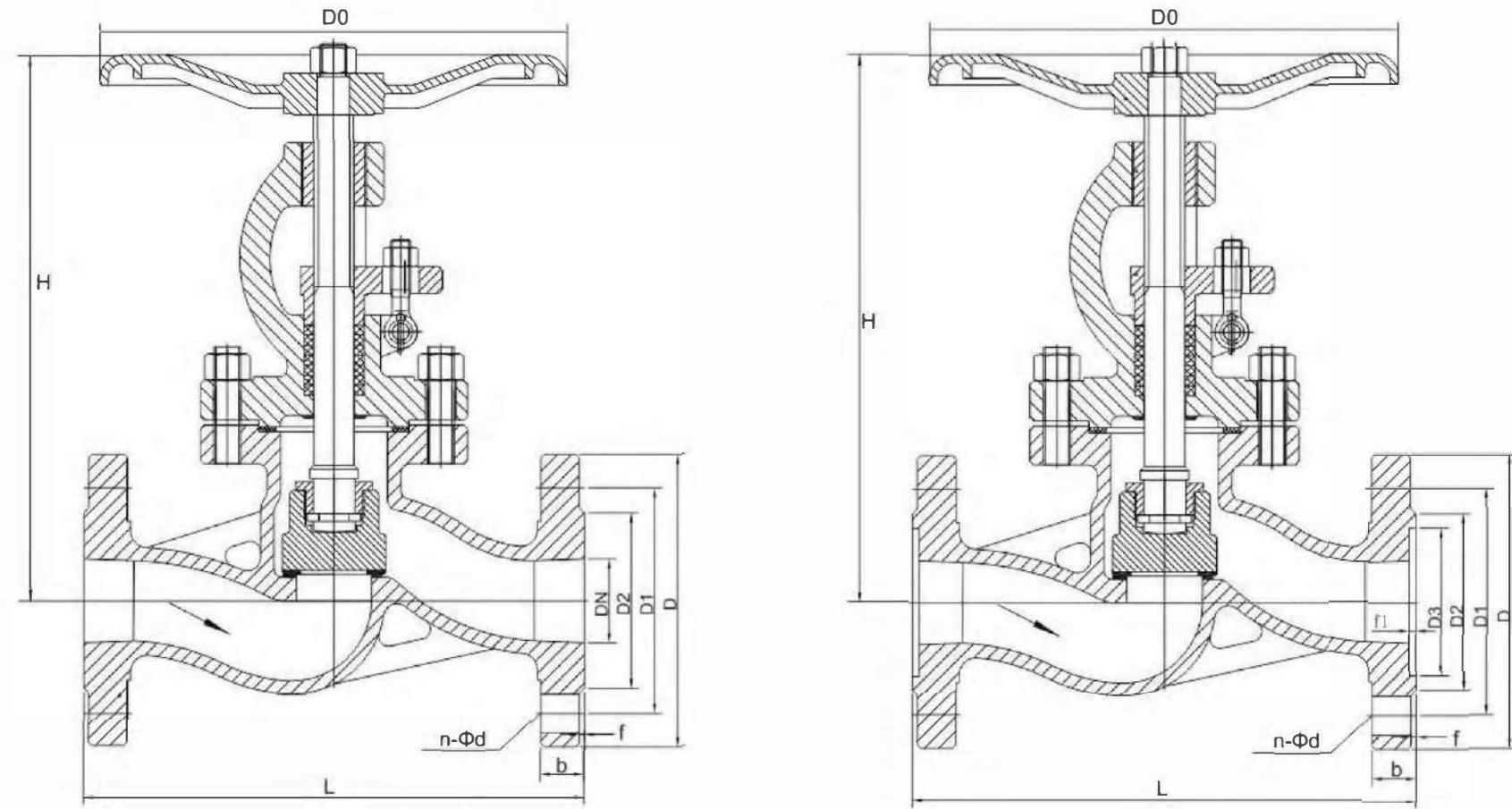
Design and Manufacture	Structure Length	pressure , temperature rating	Connecting flange	Test and Inspecton
GB 12235	GB 12221	GB 12224	JB/T 79/82~1994 GB 9113 HG 20592-20635	JB/T 9092-1999 GB 13927

◆ **Main Parts Material**

Name	Material								
	Material	Material	Material	Material	Material	Material	Material	Material	Material
Body/Bonnet	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Disc	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Stem	F304	F304L	F316	F316L	2CR13	F304	F304	F304	F304
Stem Nut	Aluminium Bronze								
Packing	PTFE				Graphite				
Gasket	PTFE				Graphite				
Gland	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Bolt	35CrMoA								
Nut	Stainless Steel				45、35CrMoA				
Handwheel	Stainless Steel				Cast Steel				

Main External And Connection Dimension

J41
C/I/P/R



Main connection dimension(PN16)

PN(MPa)	DN(mm)	Size(mm)								
		L	D	D1	D2	b-f	n-Ød	H	DO	
PN16	10	130	90	60	40	14-2	4-14	198	120	
	15	130	95	65	45	14-2	4-14	218	120	
	20	150	105	75	55	14-2	4-14	230	140	
	25	160	115	85	65	14-2	4-14	240	160	
	32	180	135	100	78	16-2	4-18	250	180	
	40	200	145	110	85	16-3	4-18	262	200	
	50	230	160	125	100	16-3	4-18	280	240	
	65	290	180	145	120	18-3	4-18	327	280	
	80	310	195	160	135	20-3	8-18	355	280	
	100	350	215	180	155	20-3	8-18	415	320	
	125	400	245	210	185	22-3	8-18	460	360	
	150	480	280	240	210	24-3	8-23	510	400	
	200	600	335	295	265	26-3	12-23	588	400	
	250	650	405	355	320	30-3	12-25	725	450	
	300	750	460	410	375	30-4	12-25	925	500	
	350	850	520	470	435	34-4	16-25	1030	600	
	400	950	580	525	485	36-4	16-30	1170	700	
	450	1050	640	585	545	40-4	20-30	1220	800	
500	1150	705	650	608	44-4	20-34	1410	900		
600	1350	840	770	718	48-5	20-41	1610	1000		

Main connection dimension(PN25/PN40)

PN(MPa)	DN(mm)	Size(mm)									
		L	D	D1	D2	D6	b-f	f1	n-Ød	H	DO
PN25	10	130	90	60	40	/	16-2	/	4-14	198	120
	15	130	95	65	45	/	16-2	/	4-14	218	120
	20	150	105	75	55	/	16-2	/	4-14	258	140
	25	160	115	85	65	/	16-2	/	4-14	275	160
	32	180	135	100	78	/	18-2	/	4-18	280	180
	40	200	145	110	85	/	18-3	/	4-18	330	200
	50	230	160	120	100	/	20-3	/	4-18	350	240
	65	290	180	145	120	/	22-3	/	8-18	400	280
	80	310	195	160	135	/	22-3	/	8-18	355	280
	100	350	230	190	160	/	24-3	/	8-23	415	320
	125	400	270	220	188	/	28-3	/	8-25	460	360
	150	480	300	250	218	/	30-3	/	8-25	510	400
	200	600	360	310	278	/	34-3	/	12-25	710	400
	250	650	425	370	332	/	36-3	/	12-30	786	450
	300	750	485	430	390	/	40-4	/	16-30	925	500
	350	850	550	490	448	/	44-4	/	16-34	1030	600
	400	950	610	550	505	/	48-4	/	16-41	1170	700
	450	1050	660	600	555	/	50-4	/	20-34	1220	800
500	1150	730	660	610	/	52-4	/	20-41	1450	900	
600	1350	840	770	718	/	56-5	/	20-41	1810	1000	
PN40	10	130	90	60	40	35	16-2	4	4-14	198	120
	15	130	95	65	45	40	16-2	4	4-14	233	120
	20	150	105	75	55	51	16-2	4	4-14	275	140
	25	160	115	85	65	58	16-2	4	4-14	285	160
	32	180	135	100	78	66	18-2	4	4-18	302	180
	40	200	145	110	85	76	18-3	4	4-18	355	200
	50	230	160	125	100	88	20-3	4	4-18	373	240
	65	290	180	145	120	110	22-3	4	8-18	408	280
	80	310	195	160	135	121	22-3	4	8-18	436	320
	100	350	230	190	160	150	24-3	4.5	8-23	480	360
	125	400	270	220	188	176	28-3	4.5	8-25	558	400
	150	480	300	250	218	204	30-3	4.5	8-25	611	400
	200	600	375	320	282	260	38-3	4.5	12-30	720	400
	250	650	445	385	345	313	42-3	4.5	12-34	665	500
	300	750	510	450	408	364	46-4	4.5	16-34	720	550
	350	850	570	510	465	422	52-4	5	16-34	860	600
	400	950	655	585	535	474	58-4	5	16-41	1010	700
	450	1050	680	610	560	524	60-4	5	20-41	1190	800
500	1150	755	670	612	576	62-4	5	20-48	1260	900	

Main connection dimension(PN63/PN100/PN160)

PN(MPa)	DN(mm)	Size(mm)									
		L	D	D1	D2	D3	b-f	f1	n-Ød	H	DO
PN63	10	170	100	70	50	35	18-2	4	4-14	198	120
	15	170	105	75	55	40	18-2	4	4-14	195	140
	20	190	125	90	68	51	20-2	4	4-18	228	160
	25	210	135	100	78	58	22-2	4	4-18	275	180
	32	230	150	110	82	66	24-2	4	4-23	325	200
	40	260	165	125	95	76	24-3	4	4-23	360	240
	50	300	175	135	105	88	26-3	4	4-23	410	280
	65	340	200	160	130	110	28-3	4	8-23	450	320
	80	380	210	170	140	121	30-3	4	8-23	485	360
	100	430	250	200	168	150	32-3	4.5	8-25	537	400
	125	500	295	240	202	176	36-3	4.5	8-30	631	400
	150	550	340	280	240	204	38-3	4.5	8-34	646	450
	200	650	405	345	300	260	44-3	4.5	12-34	813	500
	250	775	470	400	352	313	48-3	4.5	12-41	985	550
	300	900	530	460	412	364	54-4	4.5	16-41	1214	600
	350	1025	595	525	475	422	60-4	5	16-41	1432	650
400	1150	670	585	525	474	66-4	5	16-48	1650	700	
PN100	10	170	100	70	50	/	20-2	/	4-14	198	120
	15	170	105	75	55	/	20-2	/	4-14	202	140
	20	190	125	90	68	/	22-2	/	4-18	228	160
	25	210	135	100	78	/	24-2	/	4-18	250	180
	32	230	150	110	82	/	24-2	/	4-23	326	220
	40	260	165	125	95	/	26-3	/	4-23	359	240
	50	300	195	145	112	/	28-3	/	4-25	414	280
	65	340	220	170	138	/	32-3	/	8-25	434	320
	80	380	230	180	148	/	34-3	/	8-25	547	400
	100	430	265	210	172	/	38-3	/	8-30	621	450
	125	500	310	250	210	/	42-3	/	8-34	732	450
	150	550	350	290	250	/	46-3	/	12-34	840	500
	200	650	430	360	312	/	54-3	/	12-41	925	550
	250	775	500	430	382	/	60-3	/	12-41	1155	600
	300	900	585	500	442	/	70-4	/	16-48	1340	700
	PN160	15	170	100	75	52	/	24-2	/	4-18	148
20		190	130	90	62	/	26-2	/	4-23	156	160
25		210	140	100	72	/	28-2	/	4-23	125	180
32		230	165	115	85	/	30-2	/	4-25	200	200
40		260	175	125	92	/	32-3	/	4-27	231	240
50		300	215	165	132	/	36-3	/	8-25	262	250
65		340	245	190	152	/	44-3	/	8-30	303	320
80		380	260	205	168	/	46-3	/	8-30	341	400
100		430	300	240	200	/	48-3	/	8-34	485	450
150		550	390	318	270	/	74-3	/	12-41	630	550
200		650	480	400	345	/	78-3	/	12-48	775	700

◆ K602 API Globe Valve

American standard globe valve mainly include API and ASME standard,ASTM,ASTM material standard,not the standard valve itself According to the American standard design manufacturing production,testing,the globe valve American standard globe valve.

- 1、The fluid resistance is small is resistance coefficient with section of equal length.
- 2、Simple structure, small volume, light weight.
- 3、Compact and reliable,the gate valve sealing surface of materials widely used plastic sealing is good, have been widely used in the vacuum system.
- 4、Easy to operate, open and close quickly, from open to close just rotate 90, is advantageous for the remote control.
- 5、Easy maintenance structure is simple, sealing ring, which generally remove replacement is more convenient.
- 6、In the fully open or fully closed, the valve body and seat sealing surface and the dielectric isolation, medium through does not cause the valve sealing surface erosion
- 7、Applicable scope is wide, size from small to several millimeters, big to a few meters, from high vacuum to high pressure can be applied, the ball rotate 90 degrees, in the inlet and outlet should be completely present spherical, thereby cutting flow.

◆ Design And Manufacturing Standards

Design and Manufacture	Face to face	Connecting flange	Butt welding connection	Pressure -Temp	Test and Check
ANSI B16.34 BS1873	ANSI B16.10	ANSI B16.5	ANSI B16.25	ANSI B16.34	API598

◆ Main Parts Material

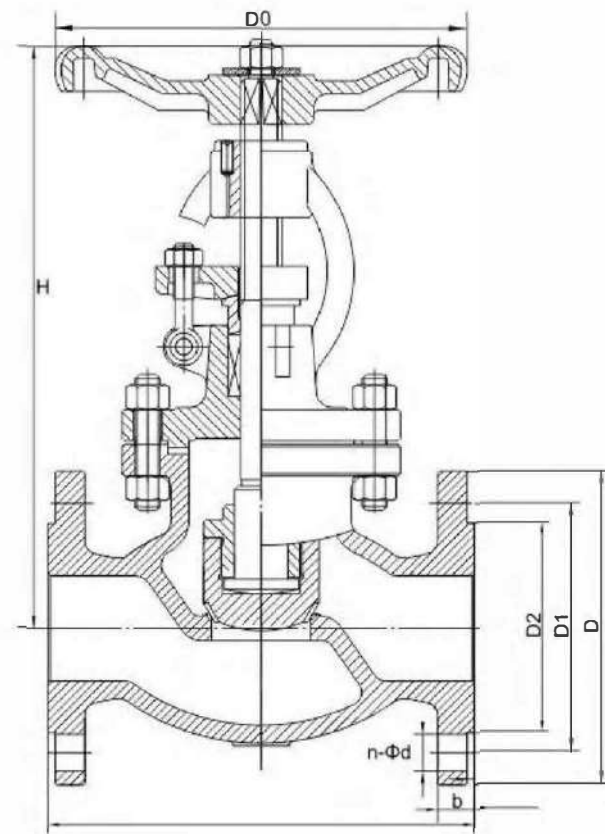
Body/Disc	Stem	Seal	Gasket	Packing	working temperature	Applicable media
WCB	2Cr13	CF8/13C/STL	13Cr/Flexible graphite SFB-2 F304 F316 F304LF316L	Flexible graphite	≤425	Water, steam, oil
WC1	38CrMoAl				≤425	
WC6					≤540	
WC9					≤570	
C5 C12					≤540	
CF8	F304				≤200	Nitric acid, acetic acid, urea
CF8M	F316					
CF3	F304L					
CF3M	F316L					

◆ Main Performance Specifications

(LB)	Strength testing		Water seal test		Air seal test	
	MPa	Lbf/in2	MPa	Lbf/in2	MPa	Lbf/in2
150	3.0	430	2.2	315	0.4-0.7	60-100
300	7.7	1110	5.7	815		
600	15.3	2220	11.3	1630		
900	23.0	3330	17.0	2445		
1500	38.4	5560	28.2	4080		
2500	64.0	9255	47.0	6790		

◆ Main External And Connection Dimension

J41 W 150LB
300LB
600LB C/I/P/R



Main connection dimension(150LB)

SIZE		150LB(RF) Main dimensions(mm)							
DN	in	L	D	D1	D2	b	n-φd	H	DO
15	1/2	108	89	60.5	35	11.2	4-16	241	100
20	3/4	117	98	69.9	43	12.7	4-16	241	100
25	1	127	108	79.2	51	14.2	4-16	242	125
32	1 1/4	140	117	89	63	16	4-16	280	160
40	1 1/2	165	127	98.6	73	17.5	4-16	286	160
50	2	203	152	120.7	92	19	4-19	368	200
65	2 1/2	216	178	139.7	105	22.4	4-19	387	200
80	3	241	190	152.4	127	24	4-19	411	250
100	4	292	229	190.5	157	24	4-19	454	250
125	5	356	254	216.0	186	24	8-22.5	455	350
150	6	406	279	241.3	216	25.4	8-22.5	541	350
200	8	495	343	298.5	270	28.4	8-22.5	651	450
250	10	622	406	362.0	324	30.2	12-25.4	800	450
300	12	698	483	431.8	381	32	12-25.4	1231	600
350	14	787	533	476.3	413	35	12-29	1450	600
400	16	914	597	539.8	470	36.6	16-29	1645	600

Main connection dimension(300LB)

SIZE		300LB(RF) Main dimensions(mm)							
DN	in	L	D	D1	D2	B	n-φd	H	DO
15	1/2	152	95	66.5	35	14.2	4-16	241	140
20	3/4	178	117	82.5	43	16	4-19	241	140
25	1	203	123	89	51	17.5	4-19	283	160
32	1 1/4	216	133	98.5	63	19	4-19	320	200
40	1 1/2	229	155	114.3	73	20.6	4-22.5	322	200
50	2	267	165	127	92	22.4	8-19	399	200
65	2 1/2	292	190	149.4	105	25	8-22.5	438	250
80	3	318	210	168.1	127	28.4	8-22.5	464	280
100	4	356	254	200.2	157	31.8	8-22.5	565	350
125	5	400	279	235	186	35	8-22.5	614	350
150	6	444	318	269.7	216	36.6	12-25.4	717	400
200	8	559	381	330.2	270	41.2	12-25.4	930	500
250	10	622	444	387.4	324	47.8	16-28.5	1012	550
300	12	711	521	450.8	381	50.8	16-32	1231	600
350	14	838	584	514.4	413	54	20-32	1450	600
400	16	864	648	571.5	470	57.2	20-35	1645	600

Main connection dimension(600LB)

SIZE		600LB(RF) Main dimensions(mm)							
DN	in	L	D	D1	D2	B	n-φd	H	DO
15	1/2	165	95	66.5	35	14.5	4-16	285	100
20	3/4	190	117	82.5	43	16	4-19	285	125
25	1	216	124	89	51	17.5	4-19	313	160
32	1 1/4	229	133	98.5	63	21	4-19	328	160
40	1 1/2	241	156	114.3	73	22.5	4-22.5	365	180
50	2	292	165	127	92	33	8-19	444	200
65	2 1/2	330	190	149.4	105	36	8-22.5	483	250
80	3	356	210	168.1	127	39	8-22.5	533	250
100	4	432	273	216	157	45	8-25.4	622	350
125	5	508	330	266.7	186	52	8-28.5	750	350
150	6	559	356	292.1	216	55	12-28.5	800	450
200	8	660	419	349.3	270	63	12-32	927	500
250	10	787	508	431.8	324	71	16-35	1257	600
300	12	838	559	489	381	74	20-35	1468	680

OTHER VALVES

07



◆ K701 Y-Type Strainer



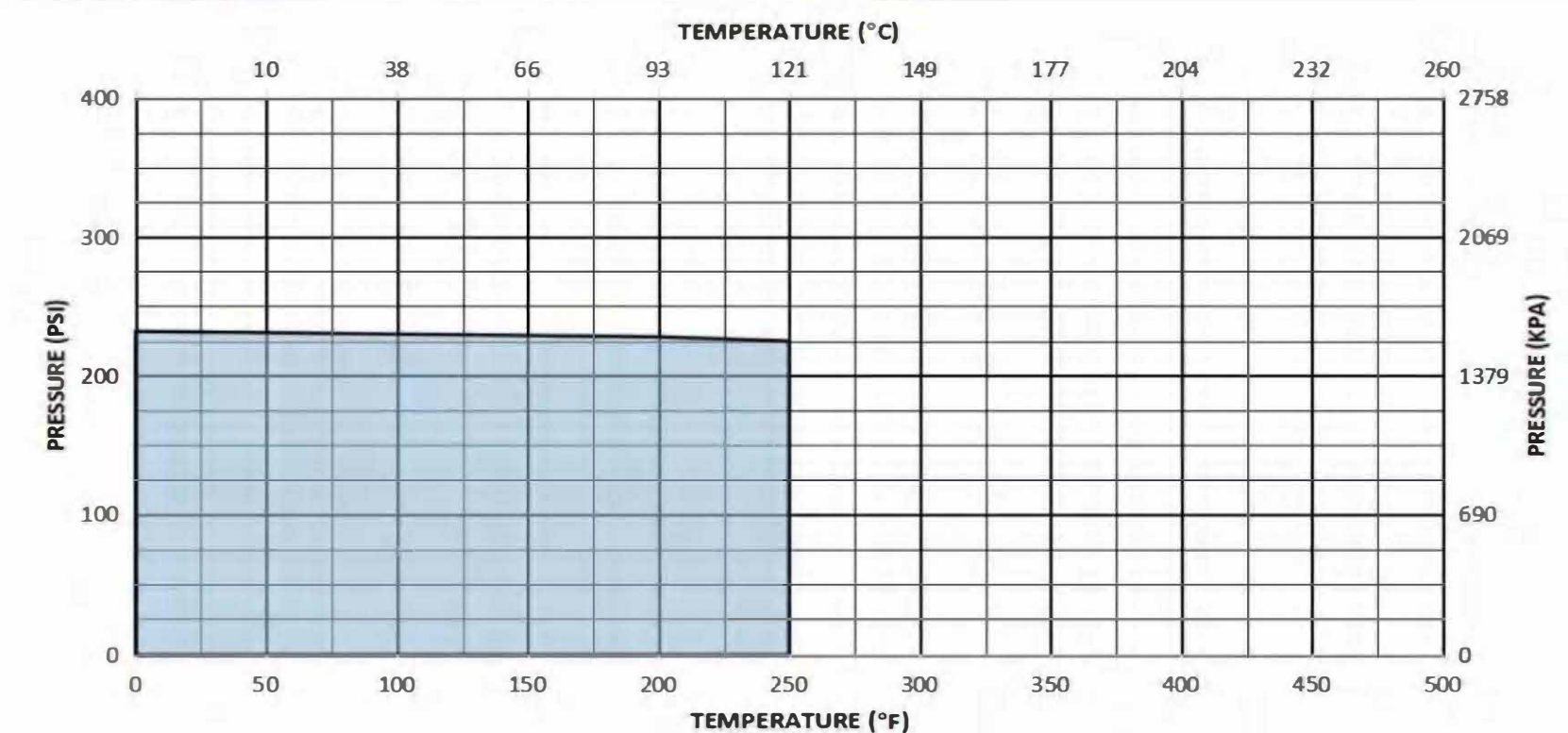
Y strainer belongs to pipeline coarse filter, it can filter big PM in fluid, air or other media. It was installed on the pipeline to remove larger solid impurity in fluid, so that the machinery equipment(include compressor and pump etc), instrument can work and operate normally, to steady technology and guarantee safety production. When the fluid enter into certain size screen, the impurity was stopped, and the clean filtrate will be discharged from strainer exit. When it was cleaned, as long as knock down sceen, reloadafter handling, so the use and maintenance is very convinent.

- 1、 Weak corrosively medium for chemical, petrochemical production, such as: water, ammonia, oil, hydrocarbon, etc.
- 2、 Corrosive materials in chemical industry production, such as caustic soda, thick dilutesulphuric acid , carbonic acid, acetic acid, acid, etc.
- 3、 The low temperature of cooling material, such as: liquid methane, ammonia, oxygen and various cooling agent.
- 4、 Light food, pharmaceutical production materials with health requirements, such as beer, beverage, dairy products, syrup medical supplies, etc.

◆ Main Parts Material

Part Name	Material
Body	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M
Bonnet	GGG50, DI, A536, WCB, SS, CF3, CF8, CF3M, CF8M, 2205, AL-BZ
Gasket	SS304+Graphite
Screen	SS304, SS316

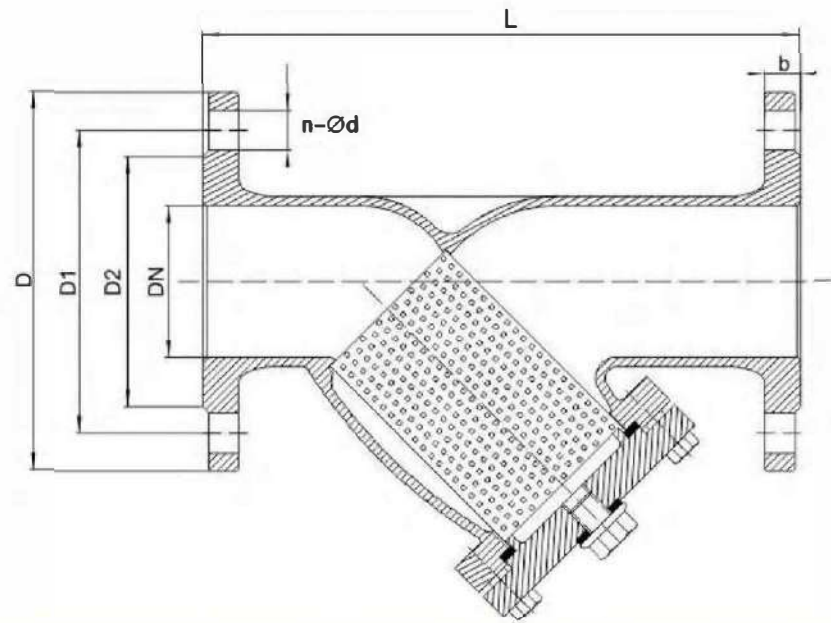
◆ Pressure Vs Temperature Chart



◆ Screen Data

DN	DRAWING NO.	LENGTH/(mm) (+0.5mm/-0.5mm)	DIAMETER/(mm) (+0.5mm/-0.5mm)	SCREEN THICKNESS(+0.1mm)	SCREEN PERFORATION
15	WVG-1.13-GLW015	51	18	0.5	1.0
20	WVG-1.13-GLW020	56	25		
25	WVG-1.13-GLW025	63	30		
32	WVG-1.13-GLW032	70	37		
40	WVG-1.13-GLW040	88	43.5		
50	WVG-1.13-GLW050	105	52		
65	WVG-1.13-GLW065	127	67		
80	WVG-1.13-GLW080	140	80	0.8	1.3
100	WVG-1.13-GLW100	180	100		
125	WVG-1.13-GLW125	215	130		
150	WVG-1.13-GLW150	247	156		
200	WVG-1.13-GLW200	300	205	1.2	1.6
250	WVG-1.13-GLW250	340	249		
300	WVG-1.13-GLW300	381	317		
350	WVG-1.13-GLW350	540	350		
400	WVG-1.13-GLW400	636	400		

◆ Main External And Connection Dimension



SIZE		L	D	D1	D2	n-Ød	b
DN	INCH						
PN16							
15	1/4	130	95	65	45	4-14	14
20	1/2	150	105	75	58	4-14	16
25	1	160	115	85	68	4-14	16
32	1-1/4	180	140	100	78	4-19	18
40	1-1/4	200	150	110	88	4-19	18
50	2	230	165	125	102	4-19	18
65	2-1/2	290	185	145	122	4-19	18
80	3	310	200	160	138	8-19	22
100	4	350	220	180	158	8-19	22
125	5	400	250	210	188	8-19	26
150	6	480	285	240	212	8-23	26
200	8	600	340	295	268	12-23	30
250	10	730	405	355	320	12-23	32
300	12	850	460	410	378	12-27	32
350	14	980	520	470	438	16-27	36
400	16	1100	580	525	490	16-31	38

◆ K702 Single Disc Foot valve



Foot valves are consists of valve body, bonnet, disc, sealing ring and gasket and otherect parts, the disc types are divided in to single disc, double disc and multi-disc. Afterinstalling the foot valves on the pipes,liquid medium flow to the body from bonnet, theliquid pressure act on disc to make it open,when the medium pressure in body change ordisappear,the disc will close to prevent medium backflow.

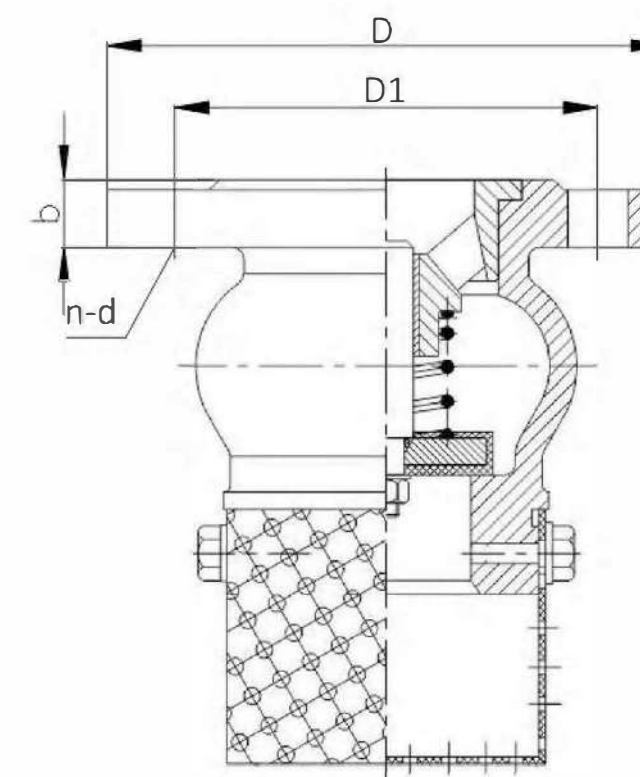
◆ Main Performance Specifications

Nominal pressure	Test pressure		Nominal diameter DN(mm)	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-300	Water, Source Water, Sewage	0-80°C
PN16	2.4	1.76			

◆ Main Parts Material

NO.	Name	Material
1	Body	GGG50, DI, A536
2	Bonnet	GGG50, DI, A536
3	Spring	SS304
4	O-ring	NBR
5	Disc	DI+EPDM
6	Stem	2Cr13
7	Sreen	SS304

◆ Main External And Connection Dimension



DN	D		D1		n-Ød		b
	PN10	PN16	PN10	PN16	PN10	PN16	
50	165	165	125	125	4-19	4-19	20
65	185	185	145	145	4-19	4-19	20
80	200	200	160	160	4-19	4-19	24
100	220	220	180	180	8-19	8-19	24
125	250	250	210	210	8-19	8-19	25
150	285	285	240	240	8-23	8-23	25
200	340	340	295	295	8-23	12-23	26
250	405	405	350	355	12-23	12-28	26
300	460	460	400	410	12-23	12-28	26
350	520	520	460	470	16-23	16-28	30
400	580	580	515	525	16-28	16-31	31

OTHER VALVES

OTHER VALVES

◆ **K702 Single Disc Foot valve**



Foot valves are consists of valve body, bonnet, disc, sealing ring and gasket and other parts, the disc types are divided in to single disc, double disc and multi-disc. After installing the foot valves on the pipes, liquid medium flow to the body from bonnet, the liquid pressure act on disc to make it open, when the medium pressure in body change or disappear, the disc will close to prevent medium backflow.

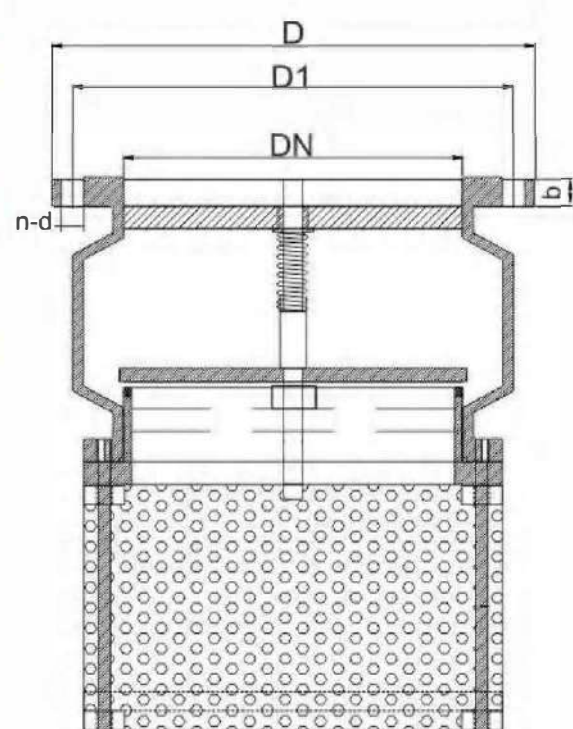
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN350-DN1000	Water, Source Water, Sewage	0-80°C
PN16	2.4	1.76			

◆ **Main Parts Material**

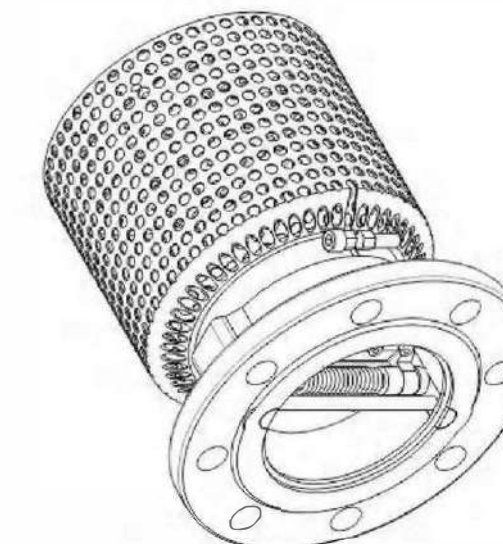
NO.	Name	Material
1	Body	GGG50, DI, A536
2	Bonnet	GGG50, DI, A536
3	Spring	SS304
4	O-ring	NBR
5	Disc	DI+EPDM
6	Stem	2Cr13
7	Screen	SS304

◆ **Main External And Connection Dimension**



DN	D		D1		n-Φd		b
	PN10	PN16	PN10	PN16	PN10	PN16	
	350	505	520	460	470	16-23	
400	565	580	515	525	16-28	16-31	28
450	615	640	565	585	20-28	20-31	30
500	670	715	620	650	20-28	20-34	31
600	780	840	725	770	20-31	20-37	36
700	895	910	840	840	24-31	24-37	40
800	1015	1025	950	950	24-34	24-41	43
900	1115	1125	1050	1050	28-34	28-41	46
1000	1230	1255	1160	1170	28-37	28-44	49

◆ **K702B Double Disc Foot Valve**



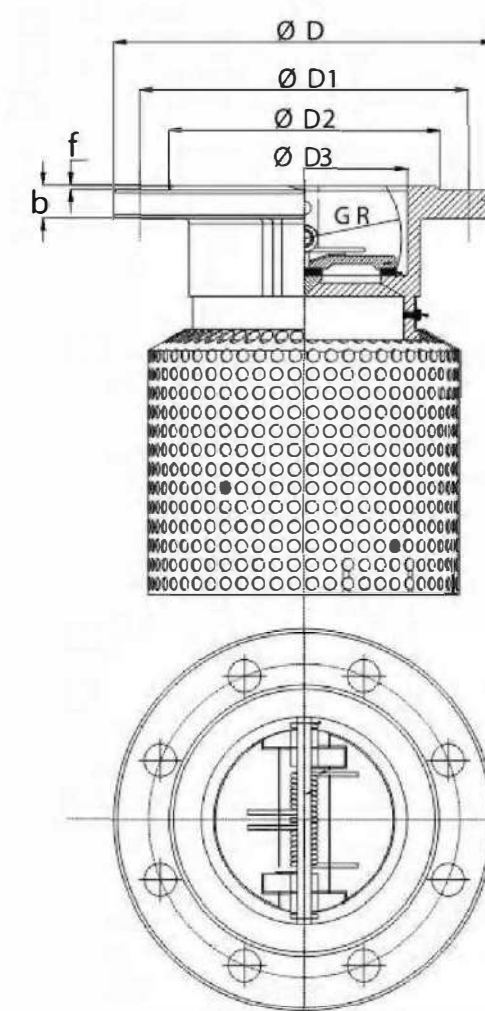
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-800	Water, Source Water, Sewage	0-80°C
PN16	2.4	1.76			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, A536
2	Disc	SS304
3	Spring	SS304
4	Seat	EPDM
5	Gasket	PTFE
6	Stem	SS304
7	Screen	SS304

◆ **Main External And Connection Dimension**



DN	PN10				PN16				GR	D3	f	b
	D	D1	D2	n-Ød	D	D1	D2	n-Ød				
50	165	125	102	4-19	165	125	102	4-19	28	67	3	19
65	185	145	122	4-19	185	145	122	4-19	36	82	3	19
80	200	160	138	8-19	200	160	138	8-19	43	96	3	19
100	220	180	158	8-19	220	180	158	8-19	53	119	3	19
125	250	210	188	8-19	250	210	188	8-19	66	147	3	19
150	285	240	212	8-23	285	240	212	8-23	79	172	3	19
200	340	295	268	8-23	340	295	268	12-23	104	226	3	20
250	405	350	320	12-23	405	355	320	12-27	127	267	3	22
300	460	400	370	12-23	460	410	378	12-27	148	312	3	25
350	520	460	430	16-23	520	470	438	16-27	173	362	4	27
400	580	515	482	16-27	580	525	490	16-31	197	412	4	28
450	640	565	540	20-27	640	585	560	20-31	218	452	4	30
500	715	620	585	20-27	715	650	610	20-34	241	507	4	32
600	840	725	690	20-31	840	770	727	20-37	296	626	4	36
700	910	840	794	24-31	910	840	794	24-37	/	724	5	40
800	1025	950	901	24-34	1025	950	901	24-41	/	825	5	43

OTHER VALVES

OTHER VALVES

◆ **K703 Threaded Air Release Valve**



ARVX type trace exhaust valve used in the highest point of pipeline or where is air closed for central air-condition (make cold and heat), to exclude sewage pipe gas to clear the pipeline, but when pipeline in normal operation, internal of pipeline the medium of water containing 2 VOL of the chemical composition of natural gas will be produced. This gas will be enlarged slowly, that's big effect for pipeline, it will happen air-close or turnoff, now the exhaust valve will exclude air on time, to enhance efficiency of pipeline cold and heat supply, can save energy, it's the necessary products for central air-condition. Product using life more than 5 years. Guarantee term of usage is 12 months.

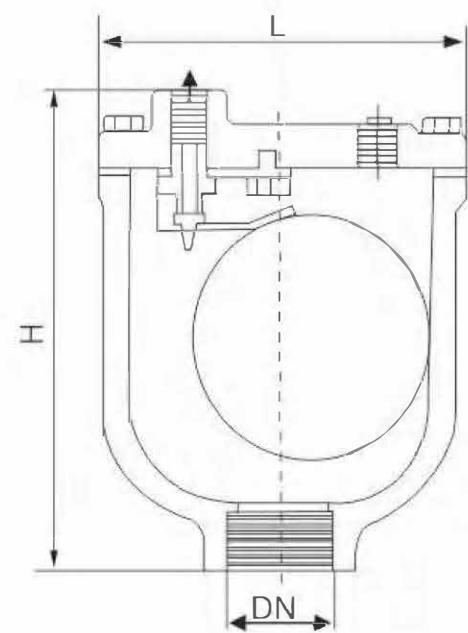
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN15-50	Water, Source Water, Sewage	0-80°C
PN16	2.4	1.76			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
2	Float ball	SS304
3	Bonnet	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
4	Exhaust Nozzle	Brass
5	Connecting Rod Rack	SS304

◆ **Main External And Connection Dimension**



SIZE		Main dimensions(mm)	
DN	INCH	L	H
15	1/2"	121	145
20	3/4"	121	145
25	1"	121	145
50	2"	121	145

◆ **K704A Single Air Release Valve**



The single air release valve is small in size, light in weight, and has a small exhaust and suction volume. This product is used at the highest point of the pipeline or in places where there is air blockage to exhaust the gas in the pipe and to dredge the pipeline so that the pipeline can operate normally. If there is a power outage or pump stop, negative pressure will appear in the pipe in time, causing the pipeline to vibrate or rupture. The exhaust valve can intake air in time to ensure the safety of the pipeline.

◆ **Main Performance Specifications**

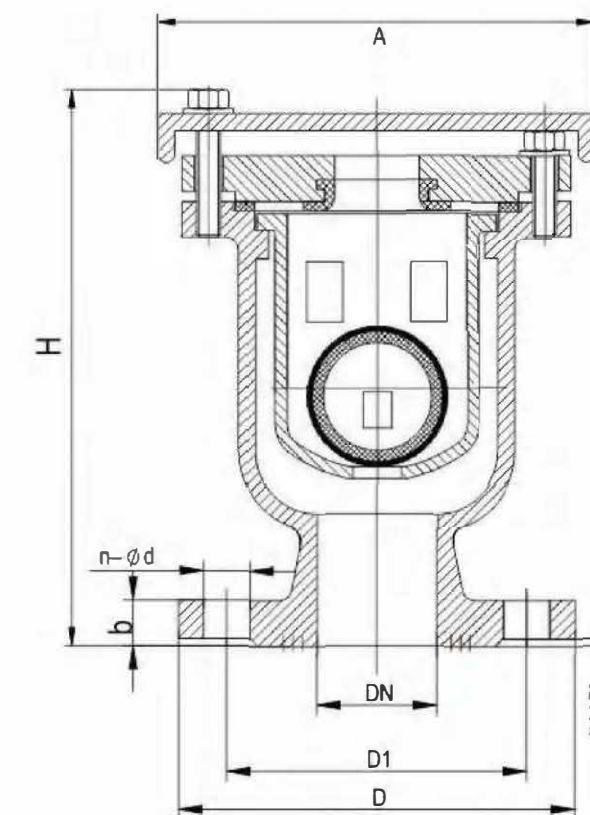
Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-800	Water, Source Water, Sewage	0-80°C
PN16	2.4	1.76			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
2	Float ball	EPDM, ABS, SS304
3	Bonnet	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
4	Seal ring	EPDM
5	Dust Cover	WCB, SS

◆ **Main External And Connection Dimension**

P41X-10/16/25



SIZE		A	D		D1		n-Ød		b		H
DN	INCH		PN16	PN25	PN16	PN25	PN16	PN25	PN16	PN25	
50	2"	182	165	165	125	125	4-Ø19	4-Ø19	19	19	231
65	2-1/2"	182	185	185	145	145	4-Ø19	8-Ø19	19	19	231
80	3"	237	200	200	160	160	8-Ø19	8-Ø19	19	19	289
100	4"	237	220	235	180	190	8-Ø19	8-Ø23	19	19	289
125	5"	295	250	270	210	220	8-Ø19	8-Ø28	19	19	350
150	6"	295	285	300	240	250	8-Ø23	8-Ø28	19	20	350

◆ **K704B Single Air Release Valve**



The quick air release valve is used in water pipelines as a device to quickly remove gas from the pipeline to improve the efficiency of water transportation equipment and protect the pipeline from deformation and rupture. It is an essential device for pipelines. It can remove gas from the pipeline, reduce resistance and save energy. When the pipeline is under negative pressure, it can quickly and automatically suck in air to prevent the pipeline from rupture. The exhaust capacity is many times that of ordinary double-hole exhaust valves. The valve is a barrel-shaped valve body, and its interior mainly contains a stainless steel float and a plug. This valve is installed in the water distribution pipeline at the pump outlet to remove a large amount of air gathered in the pipeline to improve the efficiency of the water pipe and pump. Once negative pressure occurs in the pipe, this valve can quickly suck in air to prevent damage to the pipeline caused by negative pressure.

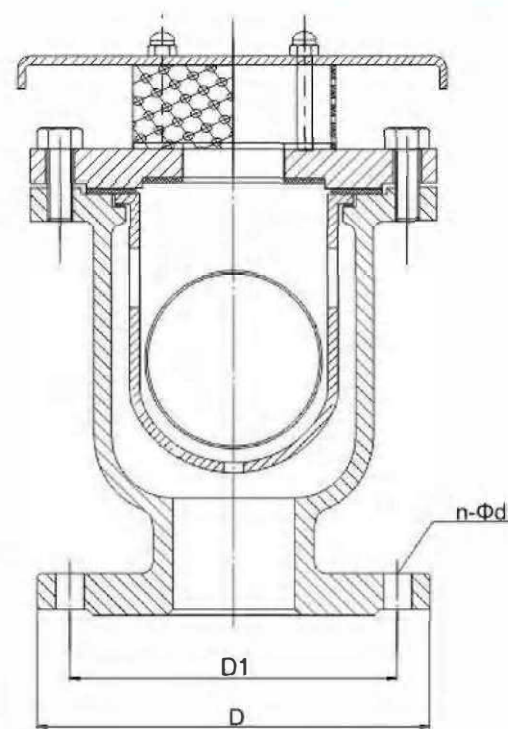
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.1	DN50-800	Water, Source Water, Sewage	0-80℃
PN16	2.4	1.76			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
2	Float ball	SS304
3	Bonnet	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
4	Seal ring	EPDM
5	Dust Cover	WCB, SS
6	Screen	SS304

◆ **Main External And Connection Dimension**



SIZE		D		D1		n-Ød	
DN	INCH	PN10	PN16	PN10	PN16	PN10	PN16
50	2"	160	160	125	125	4-Ø19	4-Ø19
65	2-1/2"	180	180	145	145	4-Ø19	4-Ø19
80	3"	195	195	160	160	8-Ø19	8-Ø19
100	4"	215	215	180	180	8-Ø19	8-Ø19
125	5"	245	245	210	210	8-Ø19	8-Ø19
150	6"	280	280	240	240	8-Ø23	8-Ø23
200	8"	335	335	295	295	8-Ø23	12-Ø23

◆ **K705A Double Orifice Air Release Valve**



Double Orifice Air Release Valve, As everyone knows, it mainly consists of body, bonnet, gasket, sealing rings, ball, air-releasing nuts, bolts. We should place the two ball into our valve body in order, then place the relevant sealing ring and gasket and fix the bonnet. Ultimately, all bolts will be fixed in the suitable positions. In the meanwhile, it should be fixed in the higher position in the pipeline to release the extra air from the pipeline and let the medium flow smoothly. Thus our pipe can run under the normal circumstances. We know, in case of some urgent conditions, such as, electricity cutting, pump pausing, they will cause water hammer. Therefore, we need air release valve to promise our pipeline to work very well.

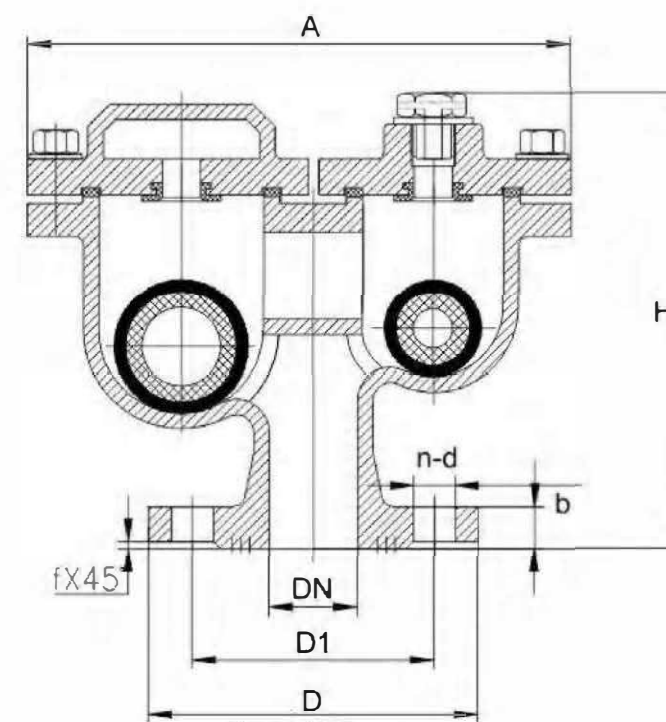
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN16	2.4	1.76	DN40-200	Water, Source Water, Sewage	0-80℃
PN25	3.75	2.75			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, A536
2	Float ball	EPDM, ABS, SS304
3	Bonnet	GGG50, DI, A536
4	Seal ring	NBR, EPDM
5	Air relief	Galvanize

◆ **Main External And Connection Dimension**



SIZE		A	D		D1		n-Ød		b		H
DN	INCH		PN16	PN25	PN16	PN25	PN16	PN25	PN16	PN25	
40	1-1/2"	250	150	150	110	110	4-19	4-19	19	19	208
50	2"	250	165	165	125	125	4-19	4-19	19	19	208
65	2-1/2"	250	185	185	145	145	4-19	8-19	19	19	208
80	3"	325	200	200	160	160	8-19	8-19	19	19	250
100	4"	325	220	235	180	190	8-19	8-23	19	19	250
125	5"	440	250	270	210	220	8-19	8-28	19	19	344
150	6"	440	285	300	240	250	8-23	8-28	19	20	344
200	8"	612	340	360	295	310	12-23	12-28	20	22	468

◆ **K705B Double Orifice Air Release Valve**



1. G thread design, can add secondary/tertiary exhaust.
2. Pipe thread interface, directional exhaust, can discharge the water pipe to the pool or a certain direction, and can also add a filter to prevent debris from entering.
3. Suspended ball, protect other parts in the pipeline, alleviate the impact of negative pressure on the pipeline.
4. The top leather pad design process is optimized to better protect the ball from damage during repeated use, and can better achieve low-pressure sealing and reduce drainage.
5. The exhaust and suction effects are better and the service life is longer.

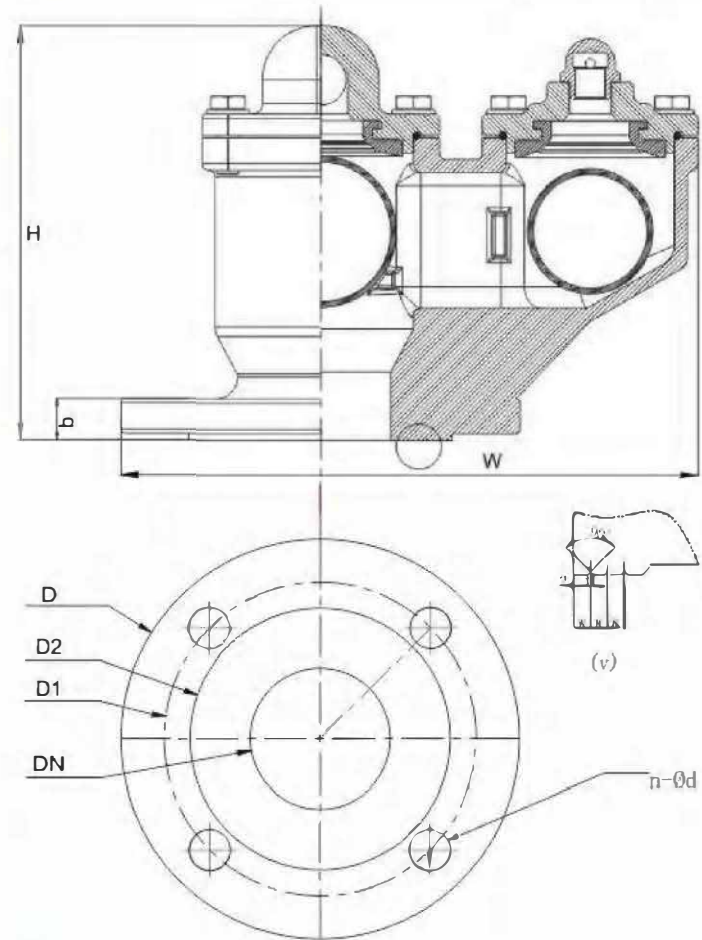
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.10	DN50-200	Water、 Source Water、 Sewage	0-80℃
PN16	2.4	1.76			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, A536
2	Float ball	SS304+ABS, SS304
3	Bonnet	GGG50, DI, A536
4	Seal ring	NBR, EPDM
5	Plug	SS304

◆ **Main External And Connection Dimension**



SIZE		D		D1		n-Ød		b	W	H
DN	INCH	PN10	PN16	PN10	PN16	PN10	PN16			
50	2"	165	165	125	125	4-19	4-19	19	241	188
65	2-1/2"	185	185	145	145	4-19	4-19	19	267	192
80	3"	200	200	160	160	8-19	8-19	19	295	220
100	4"	220	220	180	180	8-19	8-19	19	327	235
150	6"	285	285	240	240	8-23	8-23	19	446	354
200	8"	340	340	295	295	8-23	12-23	21	573	440

◆ **K706A FGP4X Air Release Valve**



This product is used at the highest point of pipeline ,the place where air is shut off,orthe outlets of pumps in order to eliminate air and dredge pipeline,if the vent valve is not set.the air in the pipeline will be possibly shutoff at any time ,and the water content will not meetthe desian requirement ,if the electricity is suddenly cut off when pipeline is at work,thenegative pressure in the pipeline will cause vibration or cracking.In this case .the vent valvecan quickly inhale air into the pipeline and prevent the vibration and cracking of it.

Warning:the working pressure of vent valve cannot be over 0.02MP,if not water will be leaked and This value should be equipped with another valve for its maintenance.

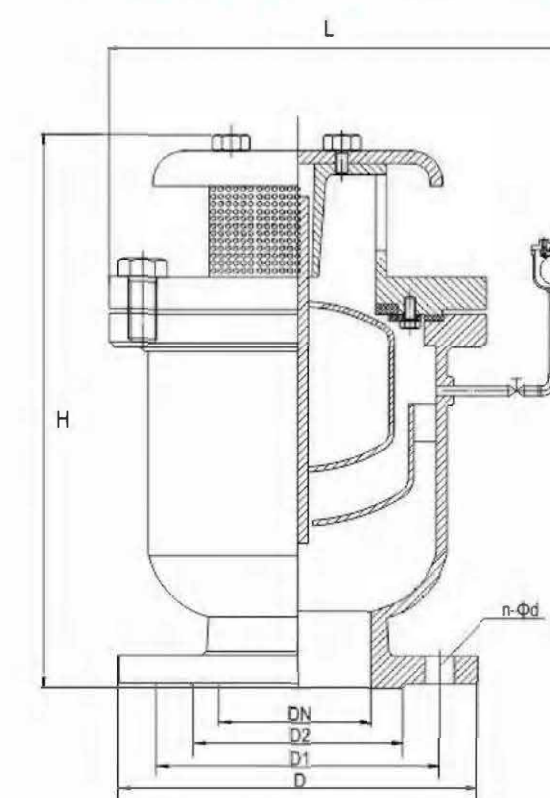
◆ **Main Performance Specifications**

Nominal pressure	Test pressure		Nominal diameter	Medium	Temperature
	Mpa	Shell			
PN10	1.5	1.10	DN50-300	Water、 Source Water、 Sewage	0-80℃
PN16	2.4	1.76			
PN25	3.75	2.75			

◆ **Main Parts Material**

NO.	Name	Material
1	Body	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
2	Float ball	SS304
3	Bonner	GGG50, DI, WCB, SS, CF3, CF8, CF3M, CF8M
4	Seal ring	EPDM
5	Dust Cover	WCB, SS
6	Outer sleeve	SS304

◆ **Main External And Connection Dimension**



SIZE		H	L	D			D1			n-Ød		
DN	INCH			PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25
50	2"	320	300	165	165	165	125	125	125	4-19	4-19	4-19
65	2.5"	380	330	185	185	185	145	145	145	4-19	4-19	8-19
80	3"	380	330	200	200	200	160	160	160	8-19	8-19	8-19
100	4"	400	390	220	220	235	180	180	190	8-19	8-19	8-23
125	5"	500	420	250	250	270	210	210	220	8-19	8-19	8-28
150	6"	500	420	285	285	300	240	240	250	8-19	8-23	8-28
200	8"	600	500	340	340	360	295	295	310	8-23	12-23	12-28
250	10"	680	600	395	405	425	350	355	370	8-23	12-28	12-31
300	12"	680	750	445	460	485	400	410	430	12-23	12-28	16-31

◆ K706B CARX Air Release Valve



There are two holes in the compound vent valve, one big, one small. The big diameter nearly equals DN, the first time water is passed in the pipeline a large amount of air will be released through the big hole, immediately the air is completely removed, the big hole stops working. When the pipeline is at work air cells will be generated, and air cells will grow bigger while move to the upper part of the pipeline, which will have a negative influence on the flow in the pipeline, at this moment these air cells can be removed through the small hole. Therefore no air can exist in the pipeline, in order to inhale a lot of air, a floating ball will fall and open the small hole which will drive the opening of the big hole.

Warning: the working pressure of vent valve cannot be over 0.02MP, if not water will be leaked and this value should be equipped with another valve for its maintenance.

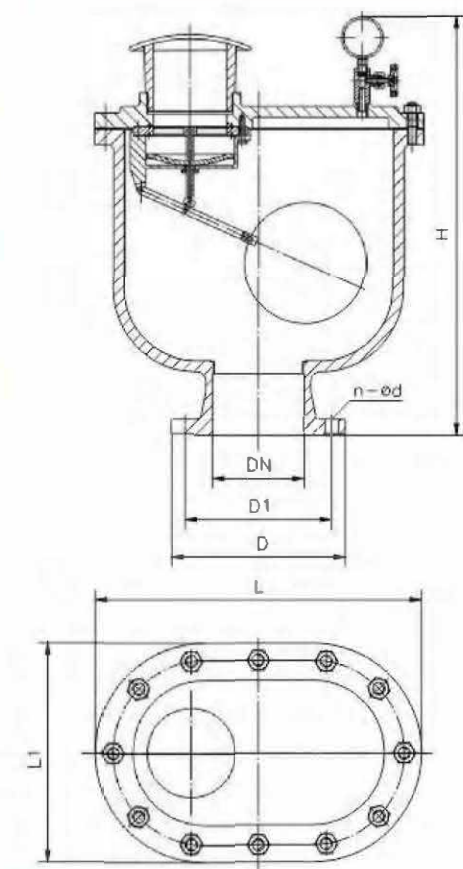
◆ Main Performance Specifications

Nominal pressure Mpa	Test pressure		Nominal diameter DN(mm)	Medium	Temperature
	Shell	Seal			
PN10	1.5	1.10	DN15-200	Water, Source Water, Sewage	0-80℃
PN16	2.4	1.76			
PN25	3.75	2.75			

◆ Main Parts Material

NO.	Name	Material
1	Body	GGG50, DI, A536
2	Float ball	SS304
3	Bonnet	GGG50, DI, A536
4	Seal ring	NBR, EPDM
5	Stem	SS420

◆ Main External And Connection Dimension



SIZE		H	L	L1	D		D1		n-Ød	
DN	INCH				PN10	PN16	PN10	PN16	PN10	PN16
15	1/2"	340	235	195	95	95	65	65	4-14	4-14
20	3/4"	340	235	195	105	105	75	75	4-14	4-14
25	1"	340	235	195	115	115	85	85	4-14	4-14
32	1 1/4"	340	235	195	140	140	100	100	4-19	4-19
40	1 1/2"	420	280	205	150	150	110	110	4-19	4-19
50	2"	420	280	205	165	165	125	125	4-19	4-19
65	2.5"	450	300	210	185	185	145	145	4-19	4-19
80	3"	450	300	210	200	200	160	160	8-19	8-19
100	4"	550	390	260	220	220	180	180	8-19	8-19
125	5"	580	390	260	250	250	210	210	8-19	8-19
150	6"	580	390	260	285	285	240	240	8-19	8-23
200	8"	600	395	260	340	340	295	295	8-23	12-23

◆ K707 Triple function air valve



The double-port exhaust valve is large in size and heavy in weight. It is a necessary equipment for pipelines. It is installed at the highest point of the pipeline or in a closed place to exhaust the gas in the pipe and to unclog the pipeline so that the pipeline can operate normally. If there is a power outage or pump stop, negative pressure will occur inside the pipeline, which will cause pipeline vibration and rupture. The exhaust valve will inhale air in time to ensure the safety of the pipeline.

Warning: the working pressure of vent valve cannot be over 0.02MP, if not water will be leaked and this value should be equipped with another valve for its maintenance.

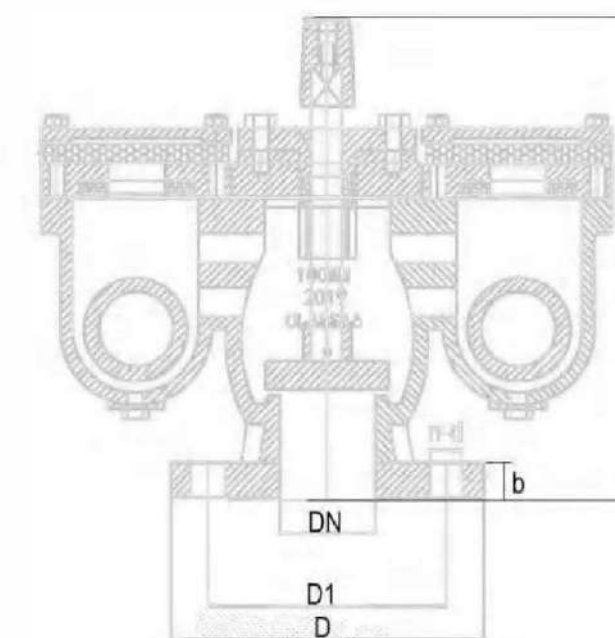
◆ Main Performance Specifications

Nominal pressure Mpa	Test pressure		Nominal diameter DN(mm)	Medium	Temperature
	Shell	Seal			
PN10	1.5	1.10	DN50-200	Water, Source Water, Sewage	0-80℃
PN16	2.4	1.76			

◆ Main Parts Material

NO.	Name	Material
1	Body	GGG50, DI, A536
2	Float ball	SS304
3	Bonnet	GGG50, DI, A536
4	Seal ring	NBR, EPDM
5	Stem	SS420

◆ Main External And Connection Dimension



SIZE		H	D		D1		n-Ød		b	
DN	INCH		PN10	PN16	PN10	PN16	PN10	PN16	PN10	PN16
50	2"	320	165	165	125	125	4-19	4-19	19	19
65	2.5"	330	185	185	145	145	4-19	4-19	19	19
80	3"	340	200	200	160	160	8-19	8-19	19	19
100	4"	350	220	220	180	180	8-19	8-19	19	19
125	5"	380	250	250	210	210	8-19	8-19	19	19
150	6"	400	285	285	240	240	8-23	8-23	19	19
200	8"	450	340	340	295	295	8-23	12-23	20	20
250	10"	490	395	395	350	355	12-23	12-28	22	25
300	12"	530	445	445	400	410	12-23	12-28	25	26

◆ K708 Stainless Steel Valve Series



2-PC Thread Ball Valve

Product Technical Parameters
Size:
3/8"~4" (DN10-DN100)
Work perssure:
1000WOG(PN63)
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO 288-1, ISO 7-1




2-PC Hight Pressure Ball Valve

Product Technical Parameters
Size:
1/4"~2" (DN6-DN50)
Work perssure:
3000WOG-6000WOG
Work temperature:
-20℃~180℃
Thread type:
PT, BSPT, BSP, NPT, DIN2999, DIN259, ISO228




DIN3202-M3 2-PC Ball Valve Thread End

Product Technical Parameters
Size:
3/8"~4" (DN10-DN100)
Work perssure:
1000WOG(PN63)
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1



3-PC Ball Valve Thread End

Product Technical Parameters
Size:
3/8"~4" (DN10-DN100)
Work perssure:
1000WOG(PN63)
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1



3-PC Ball Valve Butt Weld End

Product Technical Parameters
Size:
3/8"~6" (DN10-DN150)
Work perssure:
1000WOG(PN63)
Work temperature:
-20℃~180℃
Butt weld type:
ASME B16.25, DIN3239 part1




3-PC High Platform Threaded Ball Valve

Product Technical Parameters
Size:
3/8"~4" (DN10-DN100)
Work perssure:
1000WOG(PN63)
Mounting pad:
ISO 5211
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1



3-PC High Platform Ball Valve Butt Weld End


Product Technical Parameters
Size:
3/8"~4" (DN10-DN100)
Work perssure:
1000WOG(PN63)
Mounting pad:
ISO 5211
Butt weld type:
ASME B16.25, DIN3239 part1



3-PC High Platform Direct Ball Valve


Product Technical Parameters
Size:
1/2"~4" (DN15-DN100)
Work perssure:
1000WOG(PN63)
Mounting pad:
ISO 5211
Clamp end type:
ASME BPE

◆ K708 Stainless Steel Valve Series



Threaded Gate Valve

Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Work perssure:
PN16-PN64
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1



Lengthened Threaded Gate Valve

Product Technical Parameters
Size:
3/4"~2" (DN20-DN50)
Work perssure:
PN16-PN64
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1




GB Threaded Globe Valve

Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Work perssure:
PN16-PN64
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1




ANSI Threaded Globe Valve

Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Work perssure:
200WOG
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1




Threaded Swing Check Valve

Product Technical Parameters
Size:
1/4"~3" (DN6-DN80)
Work perssure:
PN16
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1




Threaded Vertical Check Valve

Product Technical Parameters
Size:
1/4"~2" (DN6-DN50)
Work perssure:
1000WOG(PN63)
Work temperature:
-20℃~425℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1



Threaded Y-Type Strainer

Product Technical Parameters
Size:
1/4"~3" (DN6-DN80)
Work perssure:
800WOG(PN50)
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1



Threaded Pressure Reducing Valve

Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Work perssure:
PN16
Work temperature:
-20℃~180℃
Thread type:
ASME B1.20.1(NPT), DIN259 / DIN2999, BS21, ISO288-1, ISO7-1

◆ K709 Forged Steel Valves



Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Design and manufacture standard:
API602, BS5352, ANSI B16.34
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL150-CL1500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.



Product Technical Parameters
Size:
1/2"~2-1/2" (DN15-DN65)
Design and manufacture standard:
API602, BS5352, ANSI B16.34
Thread type:
ANSI B16.5, JB79
Butt-welded type:
ANSI B16.25, JB/T12224
Work perssure:
CL150-CL1500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.

Threaded And Socket Welded Globe Valves



Product Technical Parameters
Size:
1/2"~2-1/2" (DN15-DN65)
Design and manufacture standard:
BS5352, MSS SP-118
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL150-CL1500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.



Threaded And Socket Welded Y-Type Globe Valves

Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Design and manufacture standard:
API602, BS5352, ANSI B16.34
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL150-CL2500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.

Flange Globe Valve



Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Design and manufacture standard:
API602, BS5352, ANSI B16.34
Thread type:
ANSI B16.5, JB79
Butt-welded type:
ANSI B16.25, JB/T12224
Work perssure:
CL150-CL2500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.



Threaded And Socket Welded Check Valves

Product Technical Parameters
Size:
1/4"~2" (DN6-DN50)
Valve type:
Lift check valve, Swing check valve
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL150-CL2500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.

◆ K709 Forged Steel Valves



Product Technical Parameters
Size:
1/4"~2" (DN6 -DN50)
Design and manufacture standard:
API602, BS5352, ANSI B16.34
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL800-CL4500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.



Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Design and manufacture standard:
API602, BS5352, ANSI B16.34
Thread type:
ANSI B16.5, JB79
Butt-welded type:
ANSI B16.25, JB/T12224
Work perssure:
CL150-CL2500
Main materials:
A105, LF2, F5, F11, F22, 304(L), 316(L), F347, F321, F51, Mone, etc.

2PC Forged Steel Ball Valve



Product Technical Parameters
Size:
1/4"~2" (DN6-DN50)
Design and manufacture standard:
BS5351, MSS SP-118
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL800-CL2500
Main materials:
A105, LF2, F5, 304(L), 316(L), F347, F321, F51, Mone, etc.



3PC Forged Steel Ball Valve

Product Technical Parameters
Size:
1/4"~2" (DN6-DN50)
Design and manufacture standard:
BS5351, MSS SP-118
Thread type:
ANSI B1.20.1, JB/T7306
Socket welded type:
ANSI B16.11, JB/T1751
Work perssure:
CL800-CL2500
Main materials:
A105, LF2, F5, 304(L), 316(L), F347, F321, F51, Mone, etc.

Flange Forged Steel Ball Valve



Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Design and manufacture standard:
BS5351, MSS SP-118
Thread type:
ANSI B16.5, JB79
Butt-welded type:
ANSI B16.25, JB/T12224
Work perssure:
PN10-PN25
Main materials:
A105, LF2, F5, 304(L), 316(L), F347, F321, F51, Mone, etc.



Flange Forged Steel Strainer

Product Technical Parameters
Size:
1/2"~2" (DN15-DN50)
Design and manufacture standard:
BS5351, MSS SP-118
Thread type:
ANSI B16.5, JB79
Butt-welded type:
ANSI B16.25, JB/T12224
Work perssure:
PN10-PN25
Main materials:
A105, LF2, F5, 304(L), 316(L), F347, F321, F51, Mone, etc.

JOINTS AND FITTINGS

08



◆ K801 Flange Dismantling Joint



In the process of fluid transportation, the majority of engineers and operators have been troubled by the installation and maintenance of pipelines, the expansion and contraction of long-distance pipelines due to temperature differences, and the deflection of pipelines due to foundation settlement. The double flange dismantling joint has the characteristics of short structure, reasonable design, reliable sealing, and convenient assembly and disassembly. Within a certain range, it can compensate the axial displacement of the pipeline, transmit the axial push-pull force, adjust the maximum expansion and contraction, and prevent the loosening of the pipe. It can replace expansion joints such as U-shaped pipes and bellows, and is an ideal solution to problems such as pipeline installation and expansion.

- 1、 Short structure: short structure length, saving pipeline installation and maintenance space.
- 2、 Flexible expansion: small resistance to expansion, the maximum allowable amount of expansion and contraction can be adjusted.
- 3、 Safety limitation: the limit device can prevent the pipeline from loosening and leaking.
- 4、 Convenient loading and unloading: stud connection, simple structure, convenient installation and maintenance.
- 5、 Surface protection: Special coating treatment on the inner and outer surfaces, sanitary and anticorrosive.

◆ Product Overview

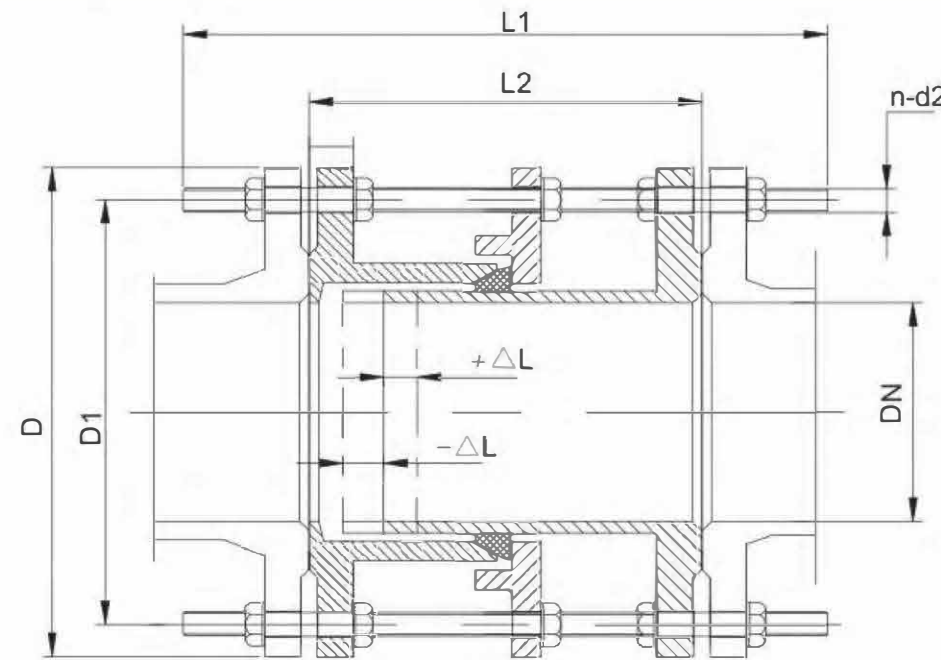
Connection disassembly of valves and other pipeline equipment;
Working pressure PN10/16/25/40;
Maximum temperature -10°C to +70°C;
Suitable for portable water, neutral liquids and sewage;

◆ Main Parts Material

NO.	Name	Material
1	Body	GGG50, DI, WCB
2	Seal ring	EPDM
3	Flange	GGG50, DI, WCB
4	Bolt	Electrogalvanized CS GD4.8, hot dip CS GD4.8/8.8, SS304, SS316
5	Nut	Electrogalvanized CS GD4.8, hot dip CS GD4.8/8.8, SS304, SS316

◆ Main External And Connection Dimension

VAAJAF(C2F)



SIZE			PN10						PN16					
DN	INCH	±ΔL	D	D1	Bolt holes		L1	L2	D	D1	Bolt holes		L1	L2
					Bolt	n-∅d2					Bolt	n-∅d2		
40	1.5	25	150	110	M16	4-19	180	330	150	110	M16	4-19	180	330
50	2	25	165	125	M16	4-19	180	330	165	125	M16	4-19	180	330
65	2.5	25	185	145	M16	4-19	180	330	185	145	M16	4-19	180	330
80	3	25	200	160	M16	8-19	200	350	200	160	M16	8-19	200	350
100	4	25	220	180	M16	8-19	200	350	220	180	M16	8-19	200	350
125	5	25	250	210	M16	8-19	200	350	250	210	M16	8-19	200	350
150	6	25	285	240	M20	8-23	200	350	285	240	M20	8-23	200	350
200	8	25	340	295	M20	8-23	220	380	340	295	M20	12-23	220	380
250	10	25	400	350	M20	12-23	220	380	400	355	M24	12-28	230	400
300	12	25	455	400	M20	12-23	220	380	455	410	M24	12-28	250	420
350	14	25	505	460	M20	16-23	230	400	520	470	M24	16-28	260	440
400	16	25	565	515	M24	16-28	230	400	580	525	M27	16-31	270	460
450	18	25	615	565	M24	20-28	250	420	640	585	M27	20-31	270	460
500	20	25	670	620	M24	20-28	260	450	715	650	M30	20-34	280	490
600	24	25	780	725	M27	20-31	260	460	840	770	M33	20-37	300	520
700	28	25	895	840	M27	24-31	260	460	910	840	M33	24-37	300	520
800	32	25	1015	950	M30	24-34	290	500	1025	950	M36	24-40	320	550
900	36	25	1115	1050	M30	28-34	290	500	1125	1050	M36	28-40	320	560
1000	40	25	1230	1160	M33	28-37	290	510	1255	1170	M39	28-43	340	600
1100	44	25	1340	1270	M33	32-37	300	530	1355	1270	M39	32-43	340	610
1200	50	25	1455	1380	M36	32-40	320	570	1485	1390	M45	32-49	350	650
1400	58	25	1675	1590	M39	36-43	360	620	1685	1590	M45	36-49	380	680
1600	66	25	1915	1820	M45	40-49	390	680	1930	1820	M52	40-56	400	720
1800	72	25	2115	2020	M45	44-49	400	700	2130	2020	M52	44-56	420	750
2000	80	25	2325	2230	M45	48-49	420	750	2345	2230	M56	48-62	440	800

◆ K802 Rubber Joint



Single Ball Rubber Joint



Double Ball Rubber Joint

Performance characteristics of rubber joints:

- 1、 Small size, light weight, good elasticity, easy installation and maintenance.
- 2、 Transverse, axial, and angular displacements can occur during installation, and are not limited by unconcentric pipes and unparallel flanges.
- 3、 It can reduce the structure transmission noise when working, and has strong vibration absorption ability.

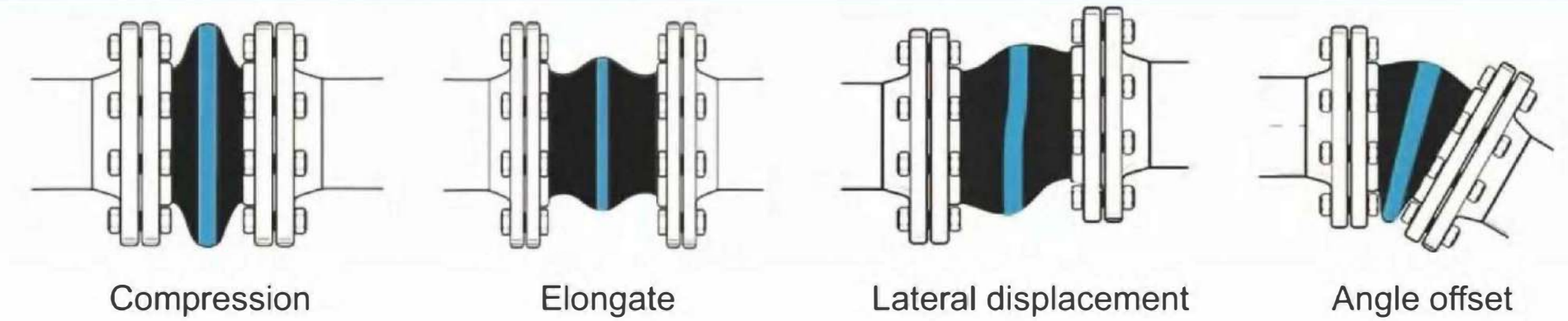
◆ Technical Specification

Working Temperature	0~80°C
Working Pressure	PN6-PN40
Test Pressure	1.5 times of working pressure
Burst pressure	2 times of working pressure
Applicable medium	Water, sewage, sea water, acid, oil, etc.

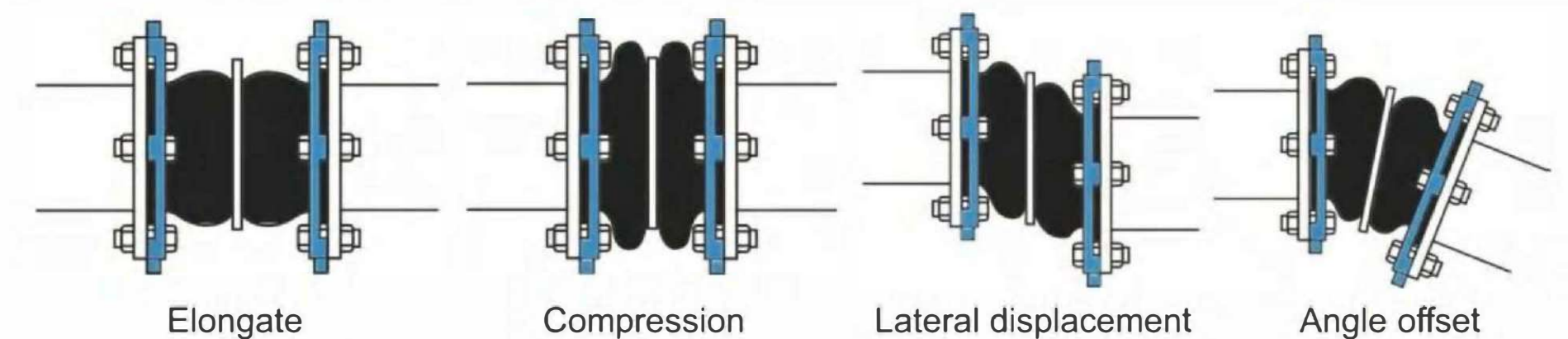
◆ Main Parts Material

Time	Name	Material
1	Tube	EPDM/NBR
2	Reinforcing fabric	Nylon
3	Cover	EPDM/NBR
4	Flange	Ductile Iron/Carbon steel

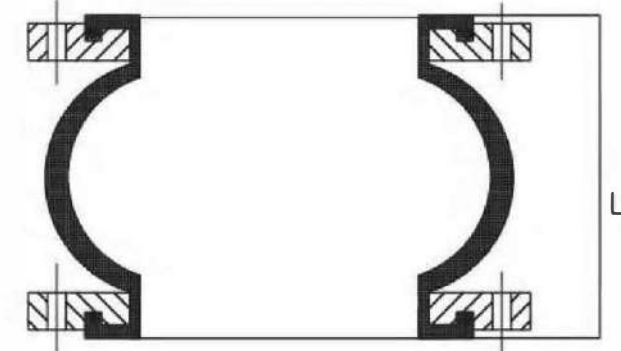
◆ Single Ball Rubber Joint



◆ Double Ball Rubber Joint



◆ Main External And Connection Dimension



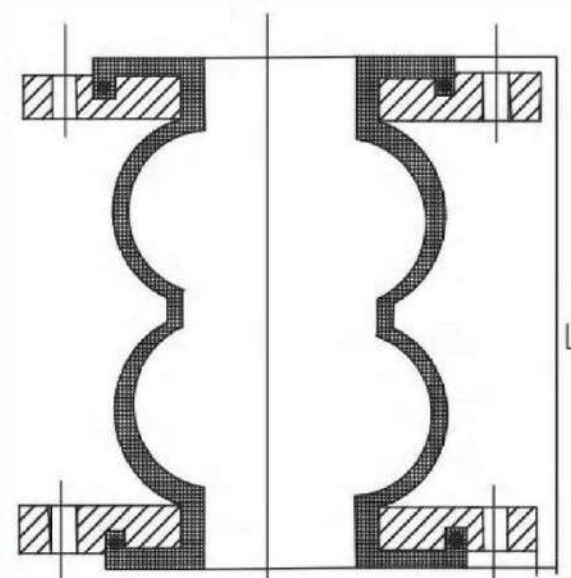
REJ100

Single Ball Rubber Joint

SIZE		L	Axial shift		Lateral displacement	Angle offset
DN	INCH		Elongate	Compression		
32	1 1/4	95	6	9	9	15°
40	1 1/2	95	6	10	9	15°
50	2	105	7	10	10	15°
65	2 1/2	115	7	13	11	15°
80	3	135	8	15	12	15°
100	4	150	10	19	13	15°
125	5	165	12	19	13	15°
150	6	180	12	20	14	15°
200	8	210	16	25	22	15°
250	10	230	16	25	22	15°
300	12	245	16	25	22	15°
350	14	255	16	25	22	15°
400	16	255	16	25	22	15°
450	18	255	16	25	22	15°
500	20	255	16	25	22	15°
600	24	260	16	25	22	15°
700	28	260	16	25	22	15°
800	32	260	16	25	22	15°
900	36	260	16	25	22	15°
1000	40	260	18	26	24	15°
1200	48	260	18	26	24	15°
1400	56	350	20	28	26	15°
1600	64	350	25	28	30	10°

The size range is DN25-DN3000, special size and length can also be customized, please contact us for specific data

Double Ball Rubber Joint

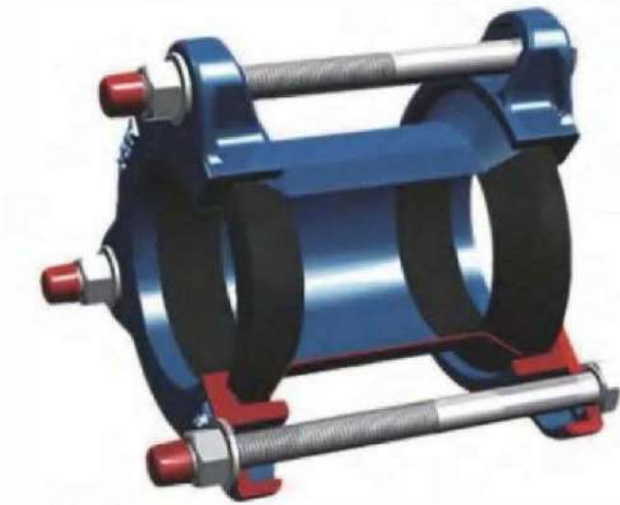


REJ200

SIZE		L	Axial shift		Lateral displacement	Angle offset
DN	INCH		Elongate	Compression		
40	1 1/2	165	30	50	45	35°
50	2	165	30	50	45	35°
65	2 1/2	170	30	50	45	35°
80	3	175	35	50	45	35°
100	4	225	35	50	40	35°
125	5	225	35	50	40	35°
150	6	225	35	50	40	35°
200	8	325	35	50	40	35°
250	10	325	35	60	35	30°
300	12	325	35	60	35	30°
350	14	350	35	60	35	30°
400	16	350	35	60	35	30°
450	18	350	35	60	35	30°
500	20	350	35	60	35	30°
600	24	400	35	60	35	30°

The size range is DN40-DN600, special size and length can also be customized, please contact us for specific data

◆ K803 Universal Coupling



◆ Technical Specification

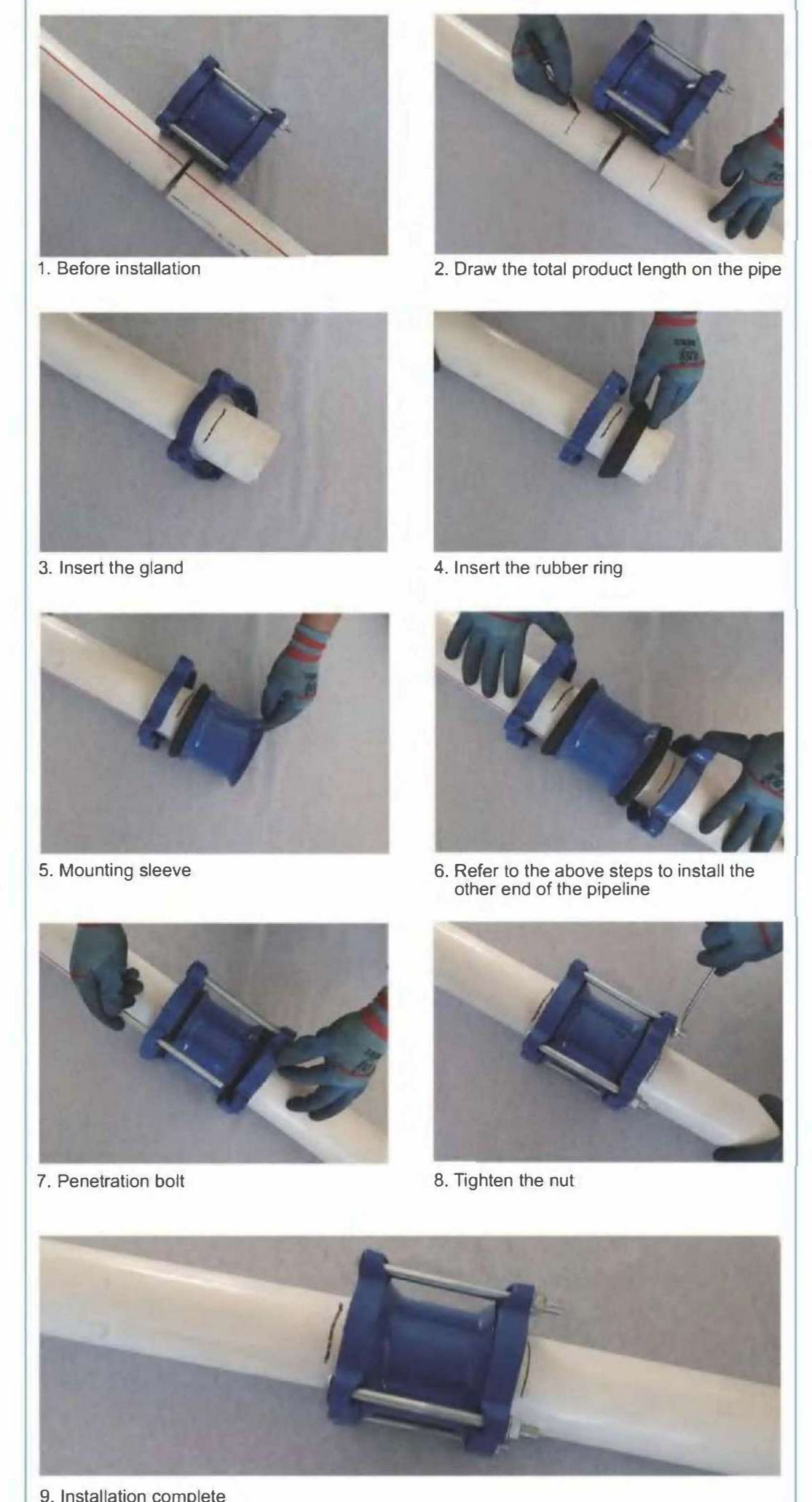
Connection for pipes in material ductile iron, steel, PVC, AC ect;
 Working Temperature: 0~80 C
 Working Pressure: PN10-PN16
 Test Standard: EN12266-1
 Applicable medium:
 Air, water, sewage, sea water, acid, alkali, oil, etc.

◆ Features

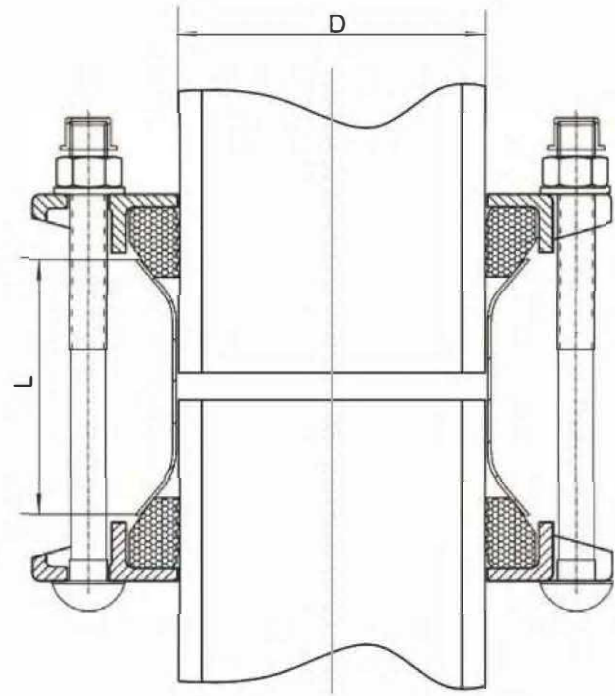
- Wide tolerance range;
- Corrosion resistant construction;
- Angular deflection of $\pm 4^\circ$;

◆ Main Parts Material

Time	Name	Material
1	Gasket	EPDM/NBR
2	Fastener	GD 4.8, GD 8.8
3	Sleeve	Ductile Iron/Carbon steel/SS
4	Gland	Ductile Iron/Carbon steel



◆ Main External And Connection Dimension



SIZE		RANGE	Main dimensions(mm)			
DN	INCH		L	D	Bolts	Bolts No.
50	2	59-72	102	165	M12*180	2
65	2.5	72-85	102	185	M12*180	2
80	3	88-103	102	185	M12*180	4
100	4	109-128	102	218	M12*180	4
125	5	132-146	102	250	M12*180	4
150	6	159-182	102	272	M12*200	4
175	7	192-210	130	312	M12*200	4
200	8	218-235	130	335	M12*220	4
250	10	272-289	130	405	M12*220	6
300	12	315-332	130	460	M12*220	6
300	12	322-339	130	435	M12*220	6
350	14	340-360	150	455	M12*250	6
350	14	357-368	150	518	M16*250	8
350	14	374-391	150	568	M16*250	8
400	16	400-429	150	580	M16*250	8
400	16	418-435	150	580	M16*250	8
400	18	425-442	150	625	M16*260	8
450	18	455-472	150	665	M16*260	10
500	20	500-532	150	690	M16*260	10
500	20	527-544	150	715	M16*260	10
500	20	555-572	150	715	M16*260	10
600	24	600-630	150	790	M16*260	10

◆ K804 Universal Flange Adaptors



◆ Technical Specification

Connection for pipes in material ductile iron, steel, ect;
 Working Temperature: 0~80 C
 Working Pressure: PN10/136/25/40/63
 Flange Standard: EN1092-2
 Test Standard: EN12266-1
 Applicable medium:
 Air, water, sewage, sea water, acid, alkali, oil, etc.

◆ Technical Specification

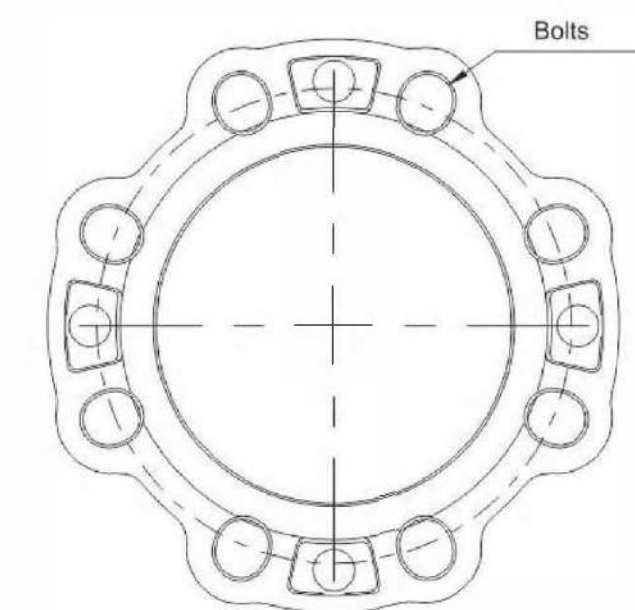
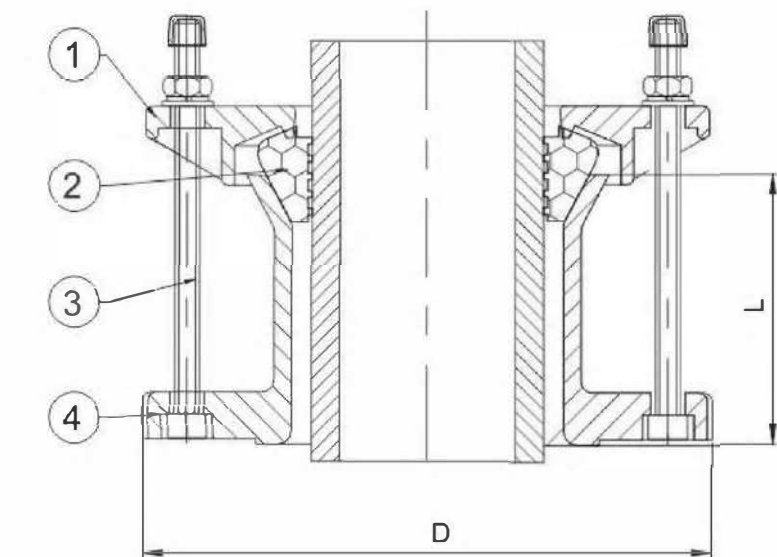
- Wide tolerance range;
- Corrosion resistant construction;
- Angular deflection of $\pm 4^\circ$;

◆ Technical Specification

- GD4.8, GD8.8, Stainless steel, Dacromet bolt;
- Various coating;
- Seal: NBR etc.

◆ Main Parts Material

Time	Name	Material
1	Gland	Ductile Iron / Carbon steel
2	O-ring	EPDN
3	Bolt	GD 4.8, GD 8.8
4	Body	Ductile Iron / Carbon steel



◆ Main Connection Dimension

SIZE		RANGE	Main dimensions(mm)			
DN	INCH		L	D	Boilts	Boilts No.
50	2	59 -72	75	165	M12*130	2
65	2.5	72 -85	75	185	M12*130	2
80	3	88 -103	76	185	M12*130	4
100	4	93 -117	78	218	M12*130	4
100	4	105 -122	78	218	M12*130	4
100	4	108 -128	78	218	M12*130	4
125	5	125 -140	78	250	M12*130	4
125	5	132 -146	78	250	M12*130	4
125	5	138 -153	78	250	M12*130	4
150	6	155 -175	80	272	M12*130	4
150	6	158 -182	80	272	M12*130	4
200	8	218 -235	85	335	M12*130	4
250	10	265 -280	90	405	M12*130	6
250	10	272 -289	90	405	M12*130	6
300	12	315 -332	90	460	M12*130	6
300	12	322 -339	90	460	M12*130	6
350	14	351 -368	110	510	M16*180	8
350	14	374 -391	110	510	M16*180	8
350	14	386 -415	110	510	M16*180	8
400	16	400 -429	110	580	M16*180	8
400	16	410 -436	110	580	M16*180	8
400	16	418 -435	110	580	M16*180	8
400	16	425 -442	110	580	M16*180	8
450	18	455 -472	115	640	M16*180	10
450	18	476 -493	115	640	M16*180	10
500	20	500 -532	120	690	M16*180	10
500	20	527 -544	120	690	M16*180	10
600	24	600 -630	130	820	M16*180	10
600	24	630 -647	130	820	M16*180	10
700	28	738	150	860	M16*180	12
800	32	842	150	975	M16*180	12
900	36	945	150	1075	M16*180	14
1000	40	1048	150	1205	M16*180	14
1200	48	1265	150	1435	M16*180	16
1400	56	1462	150	1635	M16*180	18
1600	64	1668	150	1860	M16*180	20

◆ K805 Pipe Fittings



Blank Flange



Flange Pipe/Anchor Pipe



Double Flanged Taper Reducer



Double Socket Concentric Taper



Double Flanged Bend



Double Socket Bend



All Flanged Tee



All Socket Tee