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Where quality meets service

METALLUM

- Parallel Gate Valve-



WHERE QUALITY MEETS SERVICE



METALLUM

- Parallel Gate Valve-

YOU ORDERWE CREATE

METALLUM
- PARALLEL GATE VALVE -

Quality First,
Customer Oriented.

COMPANY INTRODUCTION

Metallum Valve Co.,Ltd located in Lishui city China. We are a professional valves manufacturer in China & Belgium. Our products can be used in oil & gas field pipeline, refinery, power plant, chemical plant that exported to European Market, Northern America, Middle East and Southern of Asia.

The Valves are manufactured according to ANSI, API, ASTM standard and three customers' requirements, the pressure range is Class 150- Class 2500, the size

range is 1/2"- 40", the material range include Carbon Steel, Low Alloy Steel, High Alloy Steel, Stainless Steel, Duplex Stainless Steel, Super Duplex Stainless Steel, Cooper Alloy, Nickel Alloy soft and meke teated.

In order to satisfy the international quality management system, Metallum Valve Co.,Ltd got the approval of ISO9001, API-6D, CE, API 607 and API 6FA certifications. Also, we established a multi-functional phys-chemical lab to

control the quality each time by using spectrum analyzer, portable spectrograph (PMI), impact tester, hardness meter, tensile tester, thickness meter, magnetic particle tester, fugitive emission tester, and NDE testing.

Main Principle of Metallum Valve Co.,Ltd is to "Where quality meets service".





Pursuing excellence, Innovative thinking;
 Improve the quality, offer perfect service;
 Management creat benefit, System improve result;
 We would like to share our success with you for common development.

PROCESSING EQUIPMENT



- 01. Work shop
- 02. Work shop
- 03. Machining facilities

- 04. The workshop
- 05. Machining facility
- 06. Finished Valve

- 07. Finished Valve
- 08. Fabricated workshop in Belgium

METALLUM
- PARALLEL GATE VALVE -

Scientific and advanced technological measures are adopted at every chain from the purchasing of raw materials till the delivery of products so as to strictly control manufacturing quality of products.

PRODUCT &
QUALITY CONTROL



- 01. Spectrograph (PMI)
- 02. Fugitive emission Test
- 03. Cold Test

- 04. Tensile Test
- 05. Impact Test
- 06. Material Analysis Room

- 07. Parallel gate valve under pressure test

CERTIFICATE



API 6D Certificate



ISO9001 Certificate



Fire Safety Certificate



Fire Safety Certificate



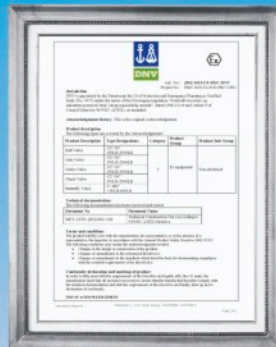
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HSE



ATEX



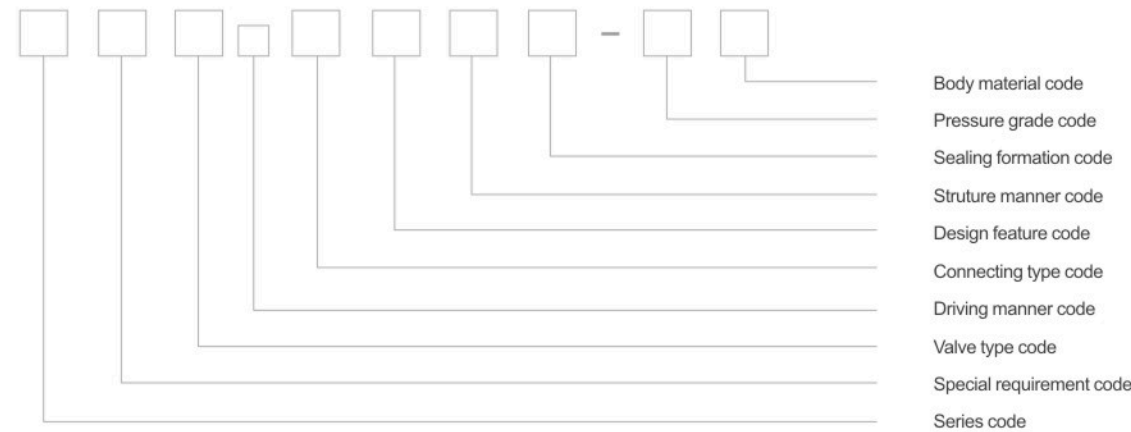
ATEX



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- Model schedule illustration



- Series code: The series code name of our company is MT
- Special requirement code:K-Antisulphur model L-Adjustment type ZB-Auto compensation
- Valve type code:Z-Gate valve
- Driving manner code:4-Spur gear transmission 5-Bevel gear transmission 6-Air driving 6s-Take pneumatically manually 7-Hydrodynamic driving 9-Electric driving(Hand wheel driving omitted)9B-Explosion electric driving
- Connecting type code:4-Flange-connecting 6-Butt welding connecting
- Design feature code:3-Eising-stem parallel single-disc 4-Rising-stem parallel double-disc
- Structure manner code:W-Non-diversion hole type(Diversion hole type omitted)P-Light-duty
- Sealing formation code:Y-Hard alloy H-Alloy steel D-Nitriding steel F-Intensified polytetrafluoroethylene(PTFE)
- Body material code: Carbon Steel, Stainless Steel, Duplex SS, Nickel Alloy, Cooper Alloy.

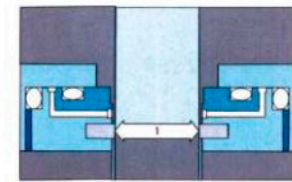


- Products Design Features

- The seat ring uses the floating seat ring structure with o-seal ring sealed and pre-tightening force applied to have inlet and outlet dual-way sealed,and the open-close moment with this structure is 1/3 that of the common valves only,able to lightly open and close valves.
- The seat ring uses the sealing face inlaid with PTFE,so has dual seals of PTFE to metal and metal to metal,the PTFE sealing face also acts as removing the dirt on the wedge disc.
- For the valve with the metal to metal seal,there is grease injector outside of it,grease gets into the sealing face through the injector and the seat ring to have the valve up to null leak.
- The wedge disc of the valve with flow guide hole is always fitted with the sealing face whether in full open or full close status to have the sealing face protected with out being directly eroded by the medium so as to extend the duration
- When fully opened,the valve's channel is smooth and linear,with an extremely small flow resisting coefficient and no pressure loss,and the pipeline can be cleaned with hair-ball through it.
- This valve uses the packing structure with the ability of self-seal,needs no constant adjustment,features very light open and close and a reliable seal.An assisting sealing grease injection structure is set in the packing to have the sealing performance absolutely reliable and get a true null leak.settling the problem for the packing place of universal valves to be easiest to be easiest leak outward.
- Automatic removal of the high pressure in the internal cavity when the valve is about to close(see the working principle diagram for the details) so as to ensure safety
- Fully sealed structure leaves a good protective property, suitable for all requirement .
- An indication rod is set with the valve to show the open-close condition.

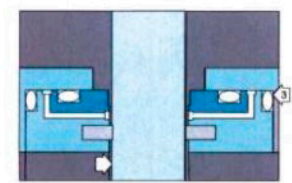
- Products Performance Specification

Pressure	TESTING PRESSURE AT CONSTANT TEMPERATURE(MPA)					Applicable temperature	APPLICABLE MEDIUM	
	The shell testing	The left sealing	Right sealing	Low pressure air tightness	Ordinary type		Antisulphur type	
Nominal rating pressure (PN)	1.6	2.4	1.76	1.76	0.6	-101~425℃ or upon the user requirement	Petroleum, natural gas, water etc.non-corrosive media	Petroleum, natural gas, water etc, containing H2S, CO2 corrosive media
	2.5	3.75	2.75	2.75	0.6			
	4.0	6.0	4.4	4.4	0.6			
	6.4	9.6	7.04	7.04	0.6			
	10.0	15.0	11.0	11.0	0.6			
	16.0	24.0	17.6	17.6	0.6			
Pound grade (class)	150	3.0	2.2	2.2	0.6			
	300	7.5	5.5	5.5	0.6			
	600	15.0	11.0	11.0	0.6			
	900	22.5	17.5	17.5	0.6			
	1500	37.5	27.5	27.5	0.6			
2500	63	46.2	46.2	0.6				



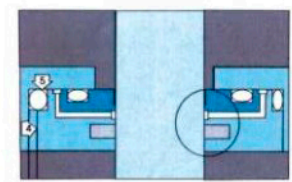
(1)

With equal pressure throughout the valve (and the gate in closed position), initial seal (1) is formed with the raised PTFE ring on the faces of the seats. (The seat inserts clean both sides of the gate each time the valve is opened or closed)



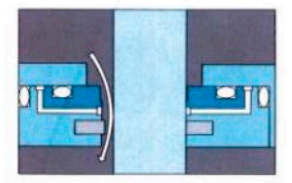
(2)

As line pressure (2) is applied to the valve, it acts on the gate, forcing it against the PTFE ring on the downstream seat, compressing it until the seat against the steel seat. Thus, a double seal is formed: first a PTFE-to-metal seal, then metal-to-metal. The seat is also forced firmly into its recess. The O-ring (3) prevents any downstream flow at this point.



(3)

Upstream seal is provided when valve cavity pressure is bled off. This is caused by the force of line pressure acting against the upstream seat (4) moving the seat against the gate and providing a tight PTFE-to-metal seal at this point. At the same time, the O-ring (5) forms a tight seal with the seat recess.



(4)

Valve automatically relieves itself of excessive valve cavity pressure when valve cavity pressure exceeds line pressure... from such causes as thermal expansion... the upstream seat is forced back into its recess and the excess pressure in the valve cavity is bled between the seat and the gate into the line.

- Main Parameter Of The Products

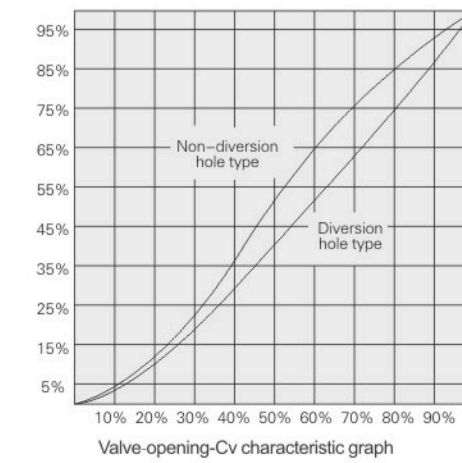
Serial models	SY(K)Z43WF, SY(K)Z43WY, SY(K)Z43WD, SY(K)Z44WF, SY(K)Z44WY, SY(K)Z44WD SY(K)Z543WF, SY(K)Z543WY, SY(K)Z543WD, SY(K)Z544WF, SY(K)Z544WY, SY(K)Z544WD SY(K)Z643WF, SY(K)Z643WY, SY(K)Z643WD, SY(K)Z644WF, SY(K)Z644WY, SY(K)Z644WD SY(K)Z943WF, SY(K)Z943WY, SY(K)Z943WD, SY(K)Z944WF, SY(K)Z944WY, SY(K)Z944WD			
Pressure grade range	PN1.6~15.0MPa			Class150~2500
Drift diameter range	DN25~1000mm			1"~40"
Driving manner	Hand wheel driving			Gear driving, Pneumatic, hydraulic driving and electric driving
Scope of application	Class150~300 (PN1.6~4.0)	Class400 (PN6.4)	Class600~900 (PN10.0~15.0)	Class1500~2500
	2"~40" (DN50~1000mm)	2"~28" (DN50~700mm)	2"~12" (DN50~300mm)	2"~12" (DN50~300mm)

Notes: Our company can provide products at customer's request



- Flow Characteristic

The flow characteristic of gate valves with a diversion hole is equal to that pipelines of the same specification. The characteristic is shown in per centum form. As for valves without a diversion hole, its cavity fly span is smaller than that of wedge gate valves and it is a regular cylindrical object, therefore, characteristics of the valves are similar except that they have a larger pressure loss. Besides, their flux adjustment behavior is better than that of the ones with a diversion hole.



- Outside Drawing Of Different Types Of Chutter



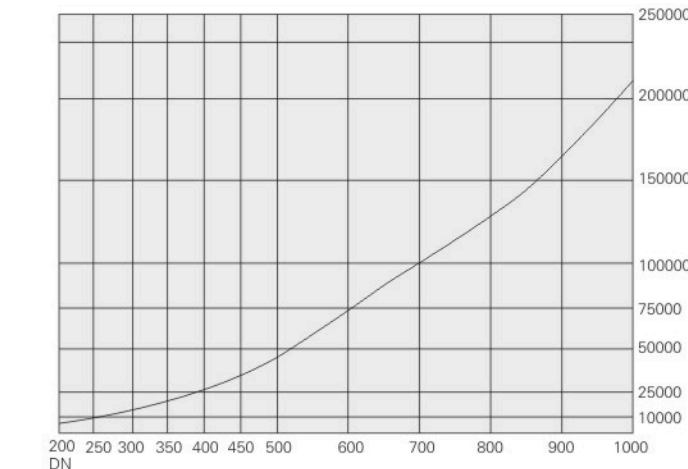
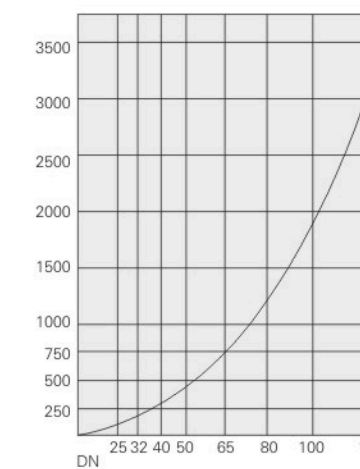
Flat gate disc



Adjustment type



Through conduit type



- Technical Specification

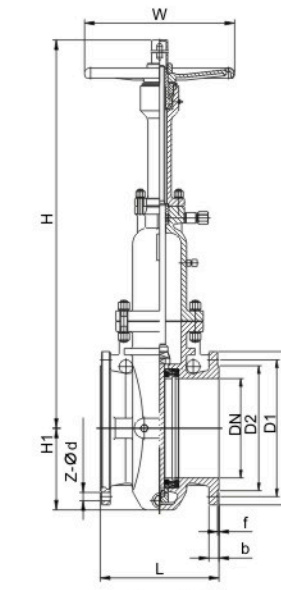
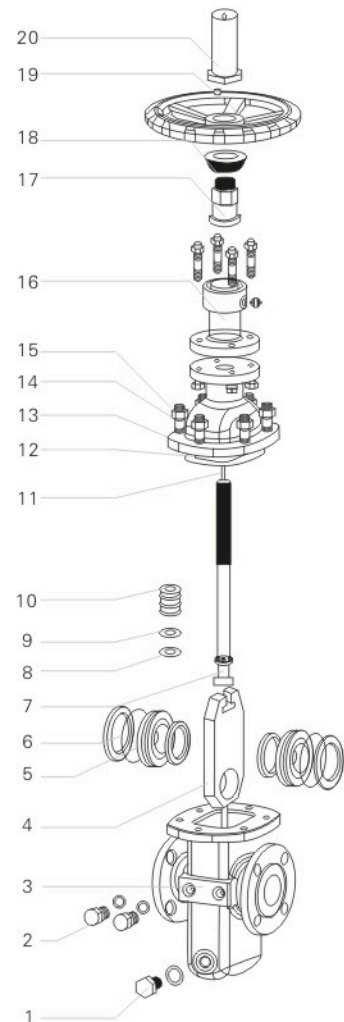
Design Reference		GB	API
Design standard		JB/T5298 GB/T19672	API 6D ASME B16.34
Structural length	Flanged	GB/T12221 GB/T19672、JB/T5298	API 6D ASME B16.10
	Welded connection	GB/T15188.1 GB/T19672	ASME B16.5 MSS Sp44
Flanged ends		GB/T9113 JB/T79	ASME B16.25
Butt-welding ends		GB/T12224	API 6D
Test&inspection		JB/9092	API598

Note: The sizes of valve connecting flange can be designed according to customers' requirement

- Major Parts Material Form

No.	Accessory Name	Material	
		Ordinary Type GB	ASTM
1	Blowdown stops	25+Zn	A105+Zn
2	Grease injection joint	25+Zn	A105+Zn
3	Body	WCB	A216-WCB
4	Disc	16Mn+ENP	A105+ENP
5	Seat	16Mn+PTFE	A105+PTFE
6	O-Ring	NBR	NBR
7	Stem	2Cr13	A276-410
8	Packing seat	2Cr13	A276-410
9	"Y" ring	NBR	NBR
10	Sealing shroud	2Cr13	A276-410
11	Indicating stem	Graphite+1Cr18Ni9	Graphite+304
12	Gasket	1Cr18Ni9	A276-304
13	Bonnet	WCB	A216-WCB
14	Stud	35CrMoA	A193-B7
15	Nut	45	A194-2H
16	Yoke	WCB	A216-WCB
17	Stem nut	ZQA19-4	C95500
18	Gland	25	A105
19	Hand wheel	25	A635-60-40-18
20	Indicating cover	1Cr18Ni9	A276-304

Notes: The major parts of the valves can be designed and selected according to actual work condition or customers' specific requirement.



Class150Lb

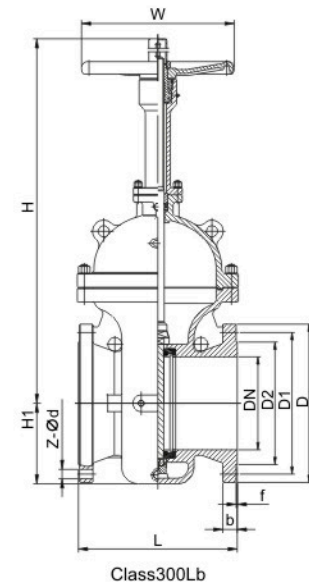
- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-Ød
	(in)	(mm)										
150Lb	2	50	178	440	83	152	120.5	92	250	2	16.3	4-19
	2 1/2	65	190	482.5	90	178	139.5	105	250	2	17.9	4-19
	3	80	203	595	100	190	152.5	127	260	2	19.5	4-19
	4	100	229	683	120	229	190.5	157	300	2	24.3	8-19
	5	125	254	735	138	254	216	186	350	2	24.3	8-22
	6	150	267	833	155	279	241.5	216	350	2	25.9	8-22
	8	200	292	1072	185	343	298.5	270	400	2	29	8-22
	10	250	330	1265	215	406	362	324	400	2	30.6	12-25
	12	300	356	1433	245	483	432	381	450	2	32.2	12-25
	14	350	381	1675	275	533	476	413	450	2	35.4	12-29
	16	400	406	1857	300	597	540	470	500	2	37	16-29
	18	450	432	2036	335	635	578	533	550	2	40.1	16-32
	20	500	457	2247	370	699	635	584	600	2	43.3	20-32
	24	600	508	2723	450	813	749.5	692	BA-2	2	48.1	20-35
	28	700	610	3092	500	927	864	800	BA-2	2	71.4	28-35
	32	800	660	3414	535	1060	978	914	BA-3	2	81	28-41
	36	900	711	3870	590	1168	1086	1022	BA-3	2	90.4	32-41

Notes: Face-to-face Dimensions: ASME B16.5-2009; Flange Dimensions: ASME B16.5-2009/16.47-2006

SLAB GATE VALVES WITHOUT CONDUIT HOLE

Parallel Gate Valve



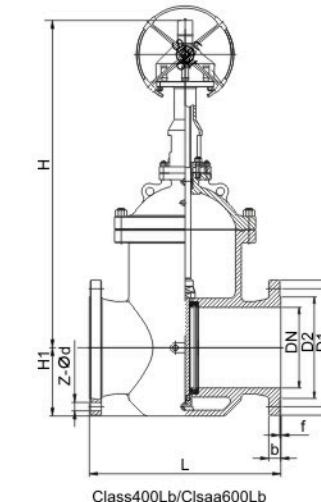
Class300Lb

- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-ød
	(in)	(mm)										
300Lb	2	50	216	440	83	165	127	92	250	2	22.7	8-19
	2½	65	241	482.5	90	190	149	105	250	2	25.9	8-22
	3	80	283	595	100	210	168.5	127	250	2	29	8-22
	4	100	305	683	120	254	200	157	300	2	32.2	8-22
	5	125	381	735	138	279	235	186	350	2	35.4	8-22
	6	150	403	833	155	318	270	216	400	2	37	12-22
	8	200	419	1072	185	381	330	270	400	2	41.7	12-25
	10	250	457	1265	215	445	387.5	324	450	2	48.1	16-29
	12	300	502	1433	245	521	451	381	500	2	51.3	16-32
	14	350	762	1675	275	584	514.5	413	600	2	54.4	20-32
	16	400	838	1857	300	648	571.5	470	700	2	57.6	20-35
	18	450	914	2036	335	711	628.5	533	800	2	60.8	24-35
20	500	991	2247	370	775	686	584	BA-2	2	64	24-35	
24	600	1143	2723	450	914	813	692	BA-2	2	70.5	24-41	
28	700	1346	3092	500	1035	940	800	BA-3	2	85.9	28-44	
32	800	1524	3414	535	1149	1054	914	BA-3	2	98.6	28-51	
36	900	1727	3870	590	1270	1168	1022	BAA-3	2	105	32-54	

Notes: Face-to-face Dimensions: ASME B16.5-2009; Flange Dimensions: ASME B16.5-2009/16.47-2006

SLAB GATE VALVES WITHOUT CONDUIT HOLE



Class400Lb/Class600Lb

- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-ød
	(in)	(mm)										
400Lb	2	50	292	440	83	165	127	92	300	7	32.4	8-19
	2½	65	330	485	90	190	149	105	300	7	35.6	8-22
	3	80	356	595	100	210	168.5	127	350	7	38.8	8-22
	4	100	406	685	120	254	200	157	400	7	42	8-26
	5	125	457	735	138	279	235	186	450	7	45.1	8-26
	6	150	495	835	155	318	270	216	500	7	48.3	12-26
	8	200	597	1075	185	381	330	270	600	7	54.7	16-29
	10	250	673	1265	215	445	387.5	324	650	7	61	16-32
	12	300	762	1435	245	520	451	381	700	7	64.2	16-35
	14	350	826	1680	275	585	514.5	413	800	7	67.4	20-35
	16	400	902	1865	300	650	571.5	470	BA-1	7	70.5	20-39
	20	500	1054	2255	370	775	686	584	BA-2	7	76.9	24-42
24	600	1232	2735	450	915	813	692	BA-2	7	83.2	24-48	
28	700	1397	3110	520	1035	940	800	BA-3	7	102.3	28-51	
32	800	1651	3430	535	1149	1054	914	BA-3	7	115	28-54	
36	900	1880	3890	640	1270	1168.5	1022	BAA-3	7	121.3	32-54	
600Lb	2	50	292	440	83	165	127	92	300	7	32.4	8-19
	2½	65	330	485	90	190	149	100	300	7	35.6	8-22
	3	80	356	595	100	210	168	127	350	7	38.8	8-22
	4	100	432	685	120	273	216	157	400	7	45.1	8-25
	5	125	508	735	138	330	226.5	186	450	7	51.5	8-29
	6	150	559	835	155	356	292	216	500	7	54.7	12-29
	8	200	660	1075	185	419	349	270	600	7	62.6	12-32
	10	250	787	1265	215	508	432	324	650	7	70.5	16-35
	12	300	838	1435	245	559	489	381	700	7	73.7	20-35
	14	350	889	1680	275	603	527	413	800	7	76.9	20-38
	16	400	991	1865	300	686	603	470	BA-2	7	83.2	20-41
	20	500	1194	2255	410	813	724	584	BA-2	7	95.9	24-44
24	600	1397	2735	475	940	838	692	BA-2	7	108.6	24-52	
28	700	1549	3110	540	1073	965	800	BA-3	7	118.3	28-54	
32	800	1778	3430	600	1194	1079.5	914	BAA-3	7	124.4	28-60	
36	900	2083	3890	660	1314	1194	1022	BAA-3	7	131	28-67	

Notes: Face-to-face Dimensions: ASME B16.5-2009; 2.Flange Dimensions: ASME B16.5-2009/16.47-2006

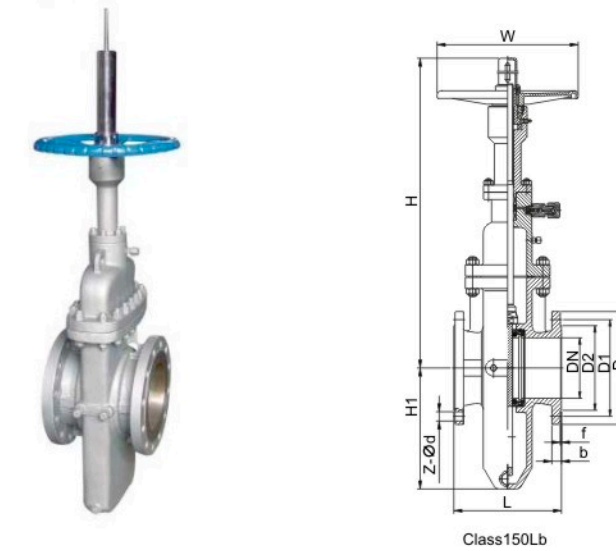
SLAB GATE VALVES WITHOUT CONDUIT HOLE

Parallel Gate Valve

- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	P	E	F	b	Z-∅d
	(in)	(mm)												
900Lb	2	50	371	450	145	215	165	124	300	95.25	7.92	11.91	46	8-∅25
	2½	65	422	580	150	245	190.5	137	350	107.95	7.92	11.91	49.3	8-∅29
	3	80	384	630	215	240	190.5	156	350	123.83	7.92	11.91	46	8-∅25
	4	100	460	780	240	290	235	181	400	149.23	7.92	11.91	52.5	8-∅32
	6	150	613	995	345	380	317.5	241	550	211.12	7.92	11.91	63.5	12-∅32
	8	200	740	1205	420	470	393.7	308	600	269.88	7.92	11.91	71.5	12-∅38
	10	250	841	1355	520	545	470	362	700	323.85	7.92	11.91	78	16-∅38
	12	300	968	1480	570	610	533.4	419	BA-2	381	7.92	11.91	87.5	20-∅38
	14	350	1038	1720	660	640	558.8	467	BA-2	419.1	11.13	16.66	97	20-∅41
	16	400	1140	1870	745	705	616	524	BA-2	469.9	11.13	16.66	100	20-∅45
1500Lb	20	500	1334	2380	910	855	749.3	648	BA-3	584.2	12.7	19.84	120.7	20-∅54
	24	600	1568	2850	1085	1040	901.7	772	BA-3	692.15	15.88	26.97	155.6	20-∅67
	2	50	371	450	145	215	165	124	300	95.25	7.92	11.91	46	8-∅25
	2½	65	422	580	150	245	190.5	137	350	107.95	7.92	11.91	49.3	8-∅29
	3	80	473	630	215	265	203.2	156	350	123.83	7.92	11.91	55.7	8-∅32
	4	100	549	780	240	310	241.3	194	400	161.93	7.92	11.91	62	8-∅35
2500Lb	6	150	711	995	345	395	317.5	248	550	211.14	9.53	13.49	92.2	12-∅38
	8	200	841	1205	420	485	393.7	318	600	269.88	11.13	16.66	103.3	12-∅45
	10	250	1000	1355	520	585	482.6	371	BA-2	323.85	11.13	16.66	119.2	12-∅51
	12	300	1146	1480	570	675	571.5	438	BA-2	381	14.27	23.01	138.2	16-∅54
	2	50	454	450	145	235	171.4	133	300	101.6	7.92	11.91	58.9	8-∅29
	2½	65	514	580	150	265	196.8	149	350	111.13	9.53	13.49	66.8	8-∅32
150Lb	3	80	584	630	215	305	228.6	168	350	127	9.53	13.49	76.3	8-∅35
	4	100	683	780	240	355	273	203	400	157.18	11.13	16.66	87.5	8-∅41
	6	150	927	995	345	485	368.3	279	BA-1	228.6	12.7	19.84	120.7	8-∅54
	8	200	1038	1205	420	550	438.2	340	BA-2	279.4	14.27	23.01	141.3	12-∅54
	10	250	1292	1355	520	675	539.8	425	BA-2	342.9	17.48	30.18	182.6	12-∅67
	12	300	1445	1480	570	760	619	495	BA-2	406.4	17.48	33.32	201.7	12-∅73

SLAB GATE VALVES WITH CONDUIT HOLE



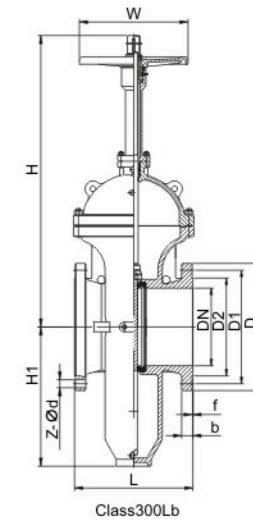
- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-∅d	
	(in)	(mm)											
900Lb	2	50	178	440	133	152	120.5	92	250	2	16.3	4-19	
	2½	65	190	482.5	145	178	139.5	105	250	2	17.9	4-19	
	3	80	203	595	180	190	152.5	127	260	2	19.5	4-19	
	4	100	229	683	210	229	190.5	157	300	2	24.3	8-19	
	6	150	254	735	266	254	216	186	350	2	24.3	8-22	
	8	200	267	833	296	279	241.5	216	350	2	25.9	8-22	
	10	250	292	1072	377	343	298.5	270	400	2	29	8-22	
	12	300	330	1265	461	406	362	324	400	2	30.6	12-25	
	1500Lb	14	350	356	1433	530	483	432	381	450	2	32.2	12-25
		16	400	381	1675	620	533	476	413	450	2	35.4	12-29
18		450	406	1857	692	597	540	470	500	2	37	16-29	
20		500	432	2036	765	635	578	533	550	2	40.1	16-32	
24		600	457	2247	850	699	635	584	600	2	43.3	20-32	
28		700	508	2723	1020	813	749.5	692	BA-2	2	48.1	20-35	
32		800	610	3092	1150	927	864	800	BA-2	2	71.4	28-35	
36		900	660	3414	1376	1060	978	914	BA-3	2	81	28-41	
150Lb		2	50	178	440	133	152	120.5	92	250	2	16.3	4-19
		2½	65	190	482.5	145	178	139.5	105	250	2	17.9	4-19

Notes: Face-to-face Dimensions: ASME B16.5-2009; 2 Flange Dimensions: ASME B16.5-2009/16.47-2006

SLAB GATE VALVES WITH CONDUIT HOLE

Parallel Gate Valve

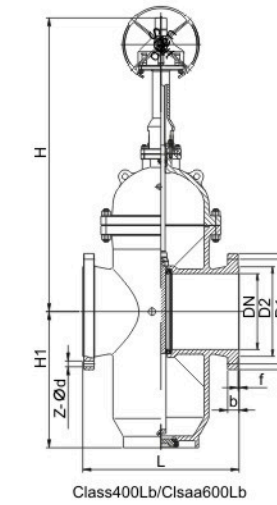


- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-ød
	(in)	(mm)										
300Lb	2	50	216	440	133	165	127	92	250	2	22.7	8-19
	2½	65	241	482.5	145	190	149	105	250	2	25.9	8-22
	3	80	283	595	180	210	168.5	127	250	2	29	8-22
	4	100	305	683	210	254	200	157	300	2	32.2	8-22
	5	125	381	735	266	279	235	186	350	2	35.4	8-22
	6	150	403	833	296	318	270	216	400	2	37	12-22
	8	200	419	1072	377	381	330	270	400	2	41.7	12-25
	10	250	457	1265	461	445	387.5	324	450	2	48.1	16-29
	12	300	502	1433	53	521	451	381	500	2	51.3	16-32
	14	350	762	1675	620	584	514.5	413	600	2	54.4	20-32
	16	400	838	1857	692	648	571.5	470	700	2	57.6	20-35
	18	450	914	2036	765	711	628.5	533	800	2	60.8	24-35
20	500	991	2247	850	775	686	584	BA-2	2	64	24-35	
24	600	1143	2723	1020	914	813	692	BA-2	2	70.5	24-41	
28	700	1346	3092	1150	1035	940	800	BA-3	2	85.9	28-44	
32	800	1524	3414	1376	1149	1054	914	BA-3	2	98.6	28-51	
36	900	1727	3870	1520	1270	1168	1022	BAA-3	2	105	32-54	

Notes: Face-to-face Dimensions: ASME B16.5-2009; 2.Flange Dimensions: ASME B16.5-2009/16.47-2006

SLAB GATE VALVES WITH CONDUIT HOLE



- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-ød
	(in)	(mm)										
400Lb	2	50	292	440	138	165	127	92	300	7	32.4	8-19
	2½	65	330	485	150	190	149	105	300	7	35.6	8-22
	3	80	356	595	185	210	168.5	127	350	7	38.8	8-22
	4	100	406	685	215	254	200	157	400	7	42	8-26
	5	125	457	735	270	279	235	186	450	7	45.1	8-26
	6	150	495	835	300	318	270	216	500	7	48.3	12-26
	8	200	597	1075	385	381	330	270	600	7	54.7	16-29
	10	250	673	1265	470	445	387.5	324	650	7	61	16-32
	12	300	762	1435	540	520	451	381	700	7	64.2	16-35
	14	350	826	1680	630	585	514.5	413	800	7	67.4	20-35
	16	400	902	1865	705	650	571.5	470	BA-1	7	70.5	20-39
	20	500	1054	2255	865	775	686	584	BA-2	7	76.9	24-42
24	600	1232	2735	1040	915	813	692	BA-2	7	83.2	24-48	
28	700	1397	3110	1170	1035	940	800	BA-3	7	102.3	28-51	
32	800	1651	3430	1400	1149	1054	914	BA-3	7	115	28-54	
36	900	1880	3890	1545	1270	1168.5	1022	BAA-3	7	121.3	32-54	
600Lb	2	50	292	440	138	165	127	92	300	7	32.4	8-19
	2½	65	330	485	150	190	149	100	300	7	35.6	8-22
	3	80	356	595	185	210	168	127	350	7	38.8	8-22
	4	100	432	685	215	273	216	157	400	7	45.1	8-25
	5	125	508	735	270	330	226.5	186	450	7	51.5	8-29
	6	150	559	835	300	356	292	216	500	7	54.7	12-29
	8	200	660	1075	385	419	349	270	600	7	62.6	12-32
	10	250	787	1265	470	508	432	324	650	7	70.5	16-35
	12	300	838	1435	540	559	489	381	700	7	73.7	20-35
	14	350	889	1680	630	603	527	413	800	7	76.9	20-38
	16	400	991	1865	705	686	603	470	BA-2	7	83.2	20-41
	20	500	1194	2255	865	813	724	584	BA-2	7	95.9	24-44
24	600	1397	2735	1040	940	838	692	BA-2	7	108.6	24-52	
28	700	1549	3110	1170	1073	965	800	BA-3	7	118.3	28-54	
32	800	1778	3430	1400	1194	1079.5	914	BAA-3	7	124.4	28-60	
36	900	2083	3890	1545	1314	1194	1022	BAA-3	7	131	28-67	

Notes: Face-to-face Dimensions: ASME B16.5-2009; 2.Flange Dimensions: ASME B16.5-2009/16.47-2006

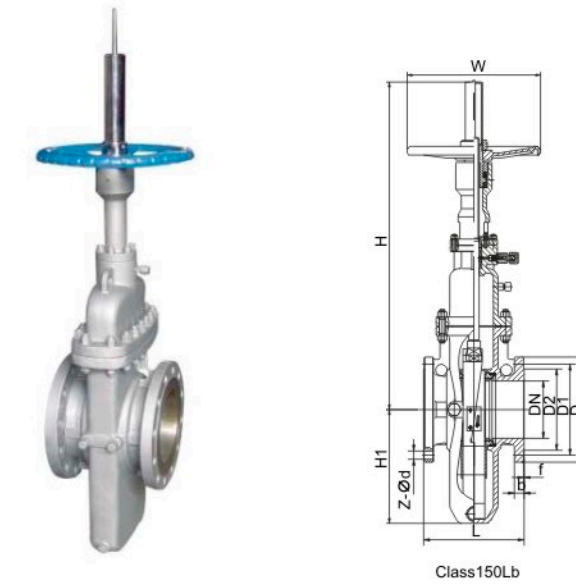
SLAB GATE VALVES WITH CONDUIT HOLE

Parallel Gate Valve

- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	P	E	F	b	Z-∅d
	(in)	(mm)												
900Lb	2	50	371	450	145	215	165	124	300	95.25	7.92	11.91	46	8-∅25
	2½	65	422	580	150	245	190.5	137	350	107.95	7.92	11.91	49.3	8-∅29
	3	80	384	630	215	240	190.5	156	350	123.83	7.92	11.91	46	8-∅25
	4	100	460	780	240	290	235	181	400	149.23	7.92	11.91	52.5	8-∅32
	6	150	613	995	345	380	317.5	241	550	211.12	7.92	11.91	63.5	12-∅32
	8	200	740	1205	420	470	393.7	308	600	269.88	7.92	11.91	71.5	12-∅38
	10	250	841	1355	520	545	470	362	700	323.85	7.92	11.91	78	16-∅38
	12	300	968	1480	570	610	533.4	419	BA-2	381	7.92	11.91	87.5	20-∅38
	14	350	1038	1720	660	640	558.8	467	BA-2	419.1	11.13	16.66	97	20-∅41
	16	400	1140	1870	745	705	616	524	BA-2	469.9	11.13	16.66	100	20-∅45
	20	500	1334	2380	910	855	749.3	648	BA-3	584.2	12.7	19.84	120.7	20-∅54
	24	600	1568	2850	1085	1040	901.7	772	BA-3	692.15	15.88	26.97	155.6	20-∅67
1500Lb	2	50	371	450	145	215	165	124	300	95.25	7.92	11.91	46	8-∅25
	2½	65	422	580	150	245	190.5	137	350	107.95	7.92	11.91	49.3	8-∅29
	3	80	473	630	215	265	203.2	156	350	123.83	7.92	11.91	55.7	8-∅32
	4	100	549	780	240	310	241.3	194	400	161.93	7.92	11.91	62	8-∅35
	6	150	711	995	345	395	317.5	248	550	211.14	9.53	13.49	92.2	12-∅38
	8	200	841	1205	420	485	393.7	318	600	269.88	11.13	16.66	103.3	12-∅45
	10	250	1000	1355	520	585	482.6	371	BA-2	323.85	11.13	16.66	119.2	12-∅51
	12	300	1146	1480	570	675	571.5	438	BA-2	381	14.27	23.01	138.2	16-∅54
	2	50	454	450	145	235	171.4	133	300	101.6	7.92	11.91	58.9	8-∅29
	2½	65	514	580	150	265	196.8	149	350	111.13	9.53	13.49	66.8	8-∅32
	3	80	584	630	215	305	228.6	168	350	127	9.53	13.49	76.3	8-∅35
	4	100	683	780	240	355	273	203	400	157.18	11.13	16.66	87.5	8-∅41
6	150	927	995	345	485	368.3	279	BA-1	228.6	12.7	19.84	120.7	8-∅54	
8	200	1038	1205	420	550	438.2	340	BA-2	279.4	14.27	23.01	141.3	12-∅54	
10	250	1292	1355	520	675	539.8	425	BA-2	342.9	17.48	30.18	182.6	12-∅67	
12	300	1445	1480	570	760	619	495	BA-2	406.4	17.48	33.32	201.7	12-∅73	

DUAL-DISC PARALLEL SLIDE GATE VALVES WITH CONDUIT HOLE



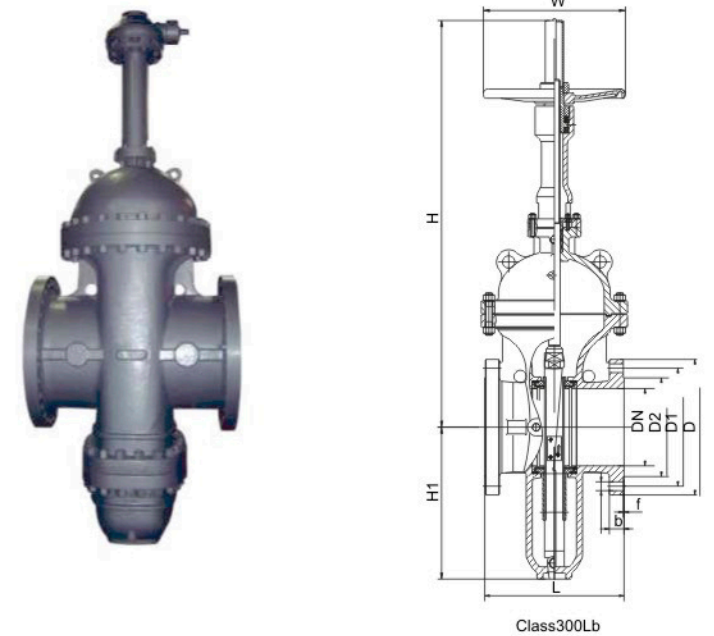
- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-∅d
	(in)	(mm)										
150Lb	2	50	178	440	133	152	120.5	92	250	2	16.3	4-19
	2½	65	190	482.5	145	178	139.5	105	250	2	17.9	4-19
	3	80	203	595	180	190	152.5	127	250	2	19.5	4-19
	4	100	229	683	210	229	190.5	157	300	2	24.3	8-19
	5	125	254	735	266	254	216	186	350	2	24.3	8-22
	6	150	267	833	296	279	241.5	216	350	2	25.9	8-22
	8	200	292	1072	377	483	298.5	270	400	2	29	8-22
	10	250	330	1265	461	406	362	324	400	2	30.6	12-25
	12	300	356	1433	530	483	432	381	450	2	32.2	12-25
	14	350	381	1675	620	533	476	413	450	2	35.4	12-29
	16	400	406	1857	692	597	540	470	500	2	37	16-29
	18	450	432	2036	765	635	578	533	550	2	40.1	16-32
	20	500	457	2247	850	699	635	584	600	2	43.3	20-32
	24	600	508	2723	1020	813	749.5	692	BA-2	2	48.1	20-35
	28	700	610	3092	1150	927	864	800	BA-2	2	71.4	28-35
	32	800	660	3414	1376	1060	978	914	BA-3	2	81	28-41
	36	900	711	3870	1520	1168	1086	1022	BA-3	2	90.4	32-41

Notes: 1.Face-to-face Dimensions: ASME B16.5-2009; 2.Flange Dimensions: ASME B16.5-2009/16.47-2006

DUAL-DISC PARALLEL SLIDE GATE VALVES
WITH CONDUIT HOLE

Parallel Gate Valve

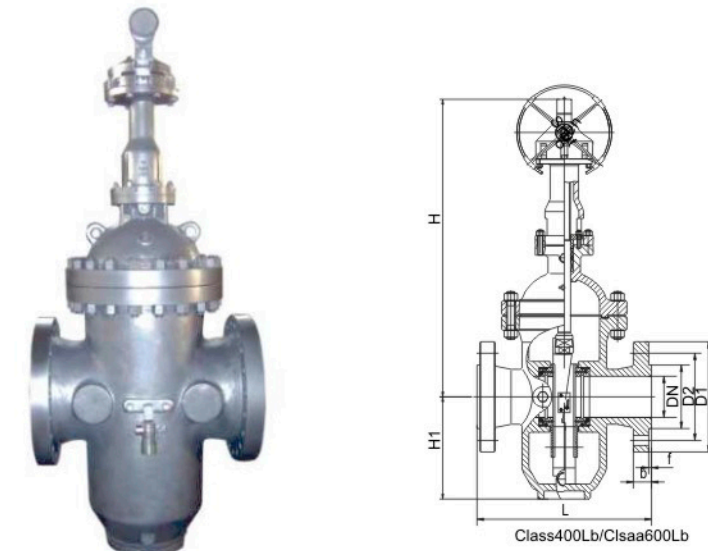


- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-ød
	(in)	(mm)										
300Lb	2	50	216	440	133	165	127	92	250	2	22.7	8-19
	2½	65	241	482.5	145	190	149	105	250	2	25.9	8-22
	3	80	283	595	180	210	168.5	127	250	2	29	8-22
	4	100	305	683	210	254	200	157	300	2	32.2	8-22
	5	125	381	735	266	279	235	186	350	2	35.4	8-22
	6	150	403	833	296	318	270	216	400	2	37	12-22
	8	200	419	1072	377	381	330	270	400	2	41.7	12-25
	10	250	457	1265	461	445	387.5	324	450	2	48.1	16-29
	12	300	502	1433	530	521	451	381	500	2	51.3	16-32
	14	350	762	1675	620	584	514.5	413	600	2	54.4	20-32
	16	400	838	1857	692	648	571.5	470	700	2	57.6	20-35
	18	450	914	2036	765	711	628.5	533	800	2	60.8	24-35
20	500	991	2247	850	775	686	584	BA-2	2	64	24-35	
24	600	1143	2723	1020	914	813	692	BA-2	2	70.5	24-41	
28	700	1346	3092	1150	1035	940	800	BA-3	2	85.9	28-44	
32	800	1524	3414	1376	1149	1054	914	BA-3	2	98.6	28-51	
36	900	1727	3870	1520	1270	1168	1022	BAA-3	2	105	32-54	

Notes: Face-to-face Dimensions: ASME B16.5-2009; 2.Flange Dimensions: ASME B16.5-2009/16.47-2006

DUAL-DISC PARALLEL SLIDE GATE VALVES
WITH CONDUIT HOLE



- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	f	b	Z-ød
	(in)	(mm)										
400Lb	2	50	292	440	138	165	127	92	300	7	32.4	8-19
	2½	65	330	485	150	190	149	105	300	7	35.6	8-22
	3	80	356	595	185	210	168.5	127	350	7	38.8	8-22
	4	100	406	685	215	254	200	157	400	7	42	8-26
	5	125	457	735	270	279	235	186	450	7	45.1	8-26
	6	150	495	835	300	318	270	216	500	7	48.3	12-26
	8	200	597	1075	385	381	330	270	600	7	54.7	16-29
	10	250	673	1265	470	445	387.5	324	650	7	61	16-32
	12	300	762	1435	540	520	451	381	700	7	64.2	16-35
	14	350	826	1680	630	585	514.5	413	800	7	67.4	20-35
	16	400	902	1865	705	650	571.5	470	BA-1	7	70.5	20-39
	20	500	1054	2255	865	775	686	584	BA-2	7	76.9	24-42
24	600	1232	2735	1040	915	813	692	BA-2	7	83.2	24-48	
28	700	1397	3110	1170	1035	940	800	BA-3	7	102.3	28-51	
32	800	1651	3430	1400	1149	1054	914	BA-3	7	115	28-54	
36	900	1880	3890	1545	1270	1168.5	1022	BAA-3	7	121.3	32-54	
600Lb	2	50	292	440	138	165	127	92	300	7	32.4	8-19
	2½	65	330	485	150	190	149	100	300	7	35.6	8-22
	3	80	356	595	185	210	168	127	350	7	38.8	8-22
	4	100	432	685	215	273	216	157	400	7	45.1	8-25
	5	125	508	735	270	330	226.5	186	450	7	51.5	8-29
	6	150	559	835	300	356	292	216	500	7	54.7	12-29
	8	200	660	1075	385	419	349	270	600	7	62.6	12-32
	10	250	787	1265	470	508	432	324	650	7	70.5	16-35
	12	300	838	1435	540	559	489	381	700	7	73.7	20-35
	14	350	889	1680	630	603	527	413	800	7	76.9	20-38
	16	400	991	1865	705	686	603	470	BA-2	7	83.2	20-41
	20	500	1194	2255	865	813	724	584	BA-2	7	95.9	24-44
24	600	1397	2735	1040	940	838	692	BA-3	7	108.6	24-52	
28	700	1549	3110	1170	1073	965	800	BA-3	7	118.3	28-54	
32	800	1778	3430	1400	1194	1079.5	914	BAA-3	7	124.4	28-60	
36	900	2083	3890	1545	1314	1194	1022	BAA-3	7	131	28-67	

Notes: 1.Face-to-face Dimensions: ASME B16.5-2009; 2.Flange Dimensions: ASME B16.5-2009/16.47-2006

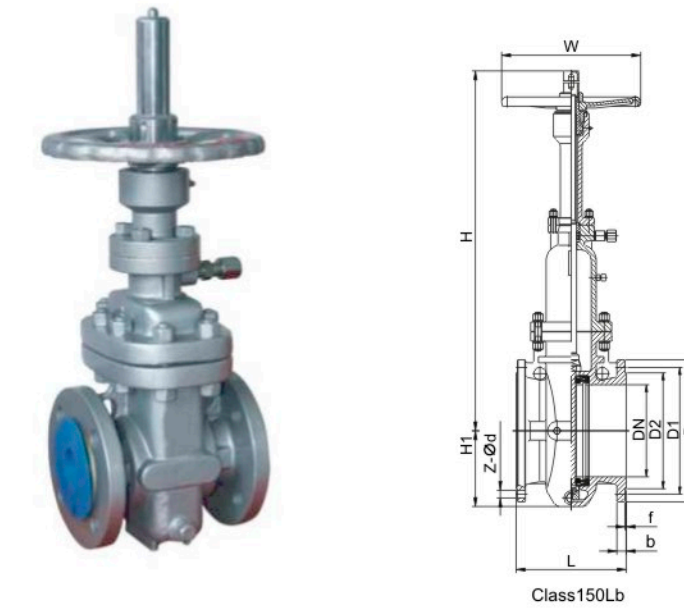
DUAL-DISC PARALLEL SLIDE GATE VALVES
WITH CONDUIT HOLE

Parallel Gate Valve

- Key External Dimensions And Connection Dimensions

Class	DN		L	H	H ₁	D	D ₁	D ₂	W	P	E	F	b	Z-∅d
	(in)	(mm)												
900Lb	2	50	371	450	145	215	165	124	300	95.25	7.92	11.91	46	8-∅25
	2½	65	422	580	150	245	190.5	137	350	107.95	7.92	11.91	49.3	8-∅29
	3	80	384	630	215	240	190.5	156	350	123.83	7.92	11.91	46	8-∅25
	4	100	460	780	240	290	235	181	400	149.23	7.92	11.91	52.5	8-∅32
	6	150	613	995	345	380	317.5	241	550	211.12	7.92	11.91	63.5	12-∅32
	8	200	740	1205	420	470	393.7	308	600	269.88	7.92	11.91	71.5	12-∅38
	10	250	841	1355	520	545	470	362	700	323.85	7.92	11.91	78	16-∅38
	12	300	968	1480	570	610	533.4	419	BA-2	381	7.92	11.91	87.5	20-∅38
	14	350	1038	1720	660	640	558.8	467	BA-2	419.1	11.13	16.66	97	20-∅41
	16	400	1140	1870	745	705	616	524	BA-2	469.9	11.13	16.66	100	20-∅45
	20	500	1334	2380	910	855	749.3	648	BA-3	584.2	12.7	19.84	120.7	20-∅54
	24	600	1568	2850	1085	1040	901.7	772	BA-3	692.15	15.88	26.97	155.6	20-∅67
1500Lb	2	50	371	450	145	215	165	124	300	95.25	7.92	11.91	46	8-∅25
	2½	65	422	580	150	245	190.5	137	350	107.95	7.92	11.91	49.3	8-∅29
	3	80	473	630	215	265	203.2	156	350	123.83	7.92	11.91	55.7	8-∅32
	4	100	549	780	240	310	241.3	194	400	161.93	7.92	11.91	62	8-∅35
	6	150	711	995	345	395	317.5	248	550	211.14	9.53	13.49	92.2	12-∅38
	8	200	841	1205	420	485	393.7	318	600	269.88	11.13	16.66	103.3	12-∅45
	10	250	1000	1355	520	585	482.6	371	BA-2	323.85	11.13	16.66	119.2	12-∅51
	12	300	1146	1480	570	675	571.5	438	BA-2	381	14.27	23.01	138.2	16-∅54
	2	50	454	450	145	235	171.4	133	300	101.6	7.92	11.91	58.9	8-∅29
	2½	65	514	580	150	265	196.8	149	350	111.13	9.53	13.49	66.8	8-∅32
	3	80	584	630	215	305	228.6	168	350	127	9.53	13.49	76.3	8-∅35
	4	100	683	780	240	355	273	203	400	157.18	11.13	16.66	87.5	8-∅41
6	150	927	995	345	485	368.3	279	BA-1	228.6	12.7	19.84	120.7	8-∅54	
8	200	1038	1205	420	550	438.2	340	BA-2	279.4	14.27	23.01	141.3	12-∅54	
10	250	1292	1355	520	675	539.8	425	BA-2	342.9	17.48	30.18	182.6	12-∅67	
12	300	1445	1480	570	760	619	495	BA-2	406.4	17.48	33.32	201.7	12-∅73	

SLAB GATE VALVES WITHOUT
CONDUIT HOLE



- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-∅d
					JB	HG						
1.0	15	108	316	48	95	95	65	45	120	2	14	4.14
	20	117	326	60	105	105	75	55	120	2	16	4.14
	25	127	336	70	115	115	85	65	160	2	16	4.14
	32	140	363	75	135	140	100	78	160	2	16	4.18
	40	165	390	78	145	150	110	85	200	3	16	4.18
	50	178	440	83	160	165	125	100	250	3	16	4.18
	65	190	482.5	90	180	185	145	120	250	3	16	4.18
	80	203	595	100	195	200	160	135	250	3	20	4.18
	100	229	683	120	215	220	180	155	300	3	20	8.18
	125	254	735	138	245	250	210	185	350	3	22	8.18
	150	267	833	155	280	285	240	210	350	3	22	8.23
	200	292	1072	185	335	340	295	265	400	3	24	8.23
	250	330	1265	215	390	395	350	320	400	3	26	12.23
	300	356	1433	245	440	445	400	368	450	4	28	12.23
	350	381	1675	275	500	505	460	428	450	4	30	16.23
	400	406	1857	300	565	565	515	482	500	4	32	16.25
	450	432	2036	335	615	615	665	532	550	4	32	20.25
	500	457	2247	370	670	670	620	585	600	4	34	20.25
600	508	2723	450	780	780	725	685	BA-2	5	36	20.30	
700	610	3092	500	895	895	840	800	BA-2	5	40	24.30	
800	660	3414	535	1010	1015	950	905	BA-3	5	44	24.34	
900	711	3870	590	1110	1115	1050	1005	BA-3	5	46	28.34	
1000	811	4550	678	1220	1230	1160	1115	BAA-3	5	50	28.34	

Notes: Dimensions: GB/T12221; Dimensions: JB/T 79.1-1994 HG/T 20592-2009

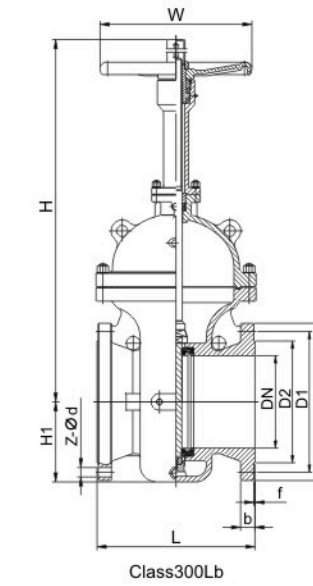
SLAB PLATE GATE VALVE

Parallel Gate Valve

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-∅d
					JB	HG						
1.6	15	108	316	48	95	95	65	45	120	2	14	4-14
	20	117	326	60	105	105	75	55	120	2	14	4-14
	25	127	336	70	115	115	85	65	160	2	14	4-14
	32	140	363	75	135	140	100	78	160	2	16	4-18
	40	165	390	78	145	150	110	85	200	3	16	4-18
	50	178	440	83	160	165	125	100	250	3	16	4-18
	65	190	482.5	90	180	185	145	120	250	3	18	4-18
	80	203	595	100	195	200	160	135	250	3	20	8-18
	100	229	683	120	215	220	180	155	300	3	20	8-18
	125	254	735	138	245	250	210	185	350	3	22	8-18
	150	267	833	155	280	285	240	210	350	3	24	8-23
	200	292	1072	185	335	340	295	265	400	3	26	12-23
	250	330	1265	215	405	405	355	320	400	3	30	12-25
	300	356	1433	245	460	460	410	375	450	4	30	12-25
	350	381	1675	275	520	520	470	435	450	4	34	16-25
	400	406	1857	300	580	580	525	485	500	4	36	16-30
	450	432	2036	335	640	640	585	545	550	4	40	20-30
	500	457	2247	370	705	715	650	608	600	4	44	20-34
	600	508	2723	450	840	840	770	718	BA-2	5	48	20-41
	700	610	3092	500	910	910	840	788	BA-3	5	50	24-41
800	660	3414	535	1020	1025	950	898	BA-3	5	52	24-41	
900	711	3870	590	1120	1125	1050	998	BA-3	5	54	28-41	
1000	811	4550	678	1255	1255	1170	1110	BAA-3	5	56	28-48	
2.5	15	108	316	48	95	95	65	45	120	2	16	4-14
	20	117	326	60	105	105	75	55	120	2	16	4-14
	25	127	336	70	115	115	85	65	160	2	16	4-14
	32	140	363	75	135	140	100	78	160	2	18	4-18
	40	165	390	78	145	150	110	85	200	3	18	4-18
	50	178	440	83	160	165	125	100	250	3	20	4-18
	65	190	482.5	90	180	185	145	120	250	3	22	4-18
	80	203	595	100	195	200	160	135	250	3	22	8-18
	100	229	683	120	230	235	190	160	300	3	24	8-23
	125	254	735	138	270	270	220	188	350	3	28	8-25
	150	267	833	155	300	300	250	218	400	3	30	8-25
	200	292	1072	185	360	360	310	278	400	3	34	12-25
	250	330	1265	215	425	425	370	332	450	3	36	12-30
	300	356	1433	245	485	485	430	390	500	4	40	16-30
	350	381	1675	275	550	555	490	448	550	4	44	16-34
	400	406	1857	300	610	620	550	505	600	4	48	16-34
	450	432	2036	335	660	670	600	555	650	4	50	20-34
	500	457	2247	370	730	730	660	610	BA-2	4	52	20-41
	600	508	2723	450	840	845	770	718	BA-2	5	56	20-41
	700	610	3092	500	955	960	875	815	BA-3	5	60	24-48
800	660	3414	535	1070	1085	990	930	BA-3	5	64	24-48	
900	711	3870	590	1180	1185	1090	1025	BA-3	5	66	28-54	
1000	811	4550	703	1305	1320	1210	1140	BAA-3	5	68	28-58	

Notes: Face to face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

SLAB GATE VALVES WITHOUT CONDUIT HOLE



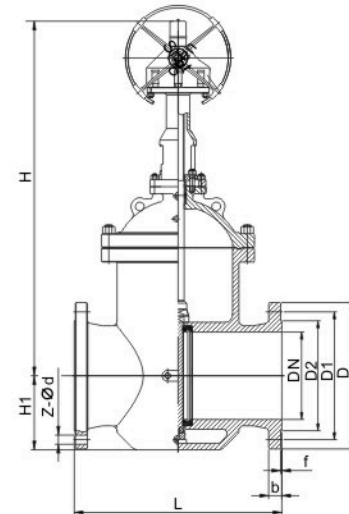
- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	D ₆	W	f	f ₁	b	Z-∅d
					JB	HG								
4.0	15	108	316	48	95	95	65	45	40	120	2	4	16	4-14
	20	117	326	60	105	105	75	55	51	120	2	4	16	4-14
	25	127	336	70	115	115	85	65	58	160	2	4	16	4-14
	32	140	363	75	135	140	100	78	66	160	2	4	18	4-18
	40	165	390	78	145	150	110	85	76	200	3	4	18	4-18
	50	178	440	83	160	165	125	100	88	250	3	4	20	4-18
	65	190	482.5	90	180	185	145	120	110	250	3	4	22	4-18
	80	203	595	100	195	200	160	135	121	250	3	4	22	4-18
	100	229	683	120	230	235	190	160	150	300	3	4.5	24	8-23
	125	254	735	138	270	270	220	188	176	350	3	4.5	28	8-25
	150	267	833	155	300	300	250	218	204	400	3	4.5	30	8-25
	200	292	1072	185	375	375	320	282	260	400	3	4.5	38	12-30
	250	330	1265	215	445	450	385	345	313	450	3	4.5	42	12-34
	300	356	1433	245	510	515	450	408	364	500	4	4.5	46	16-34
	350	381	1675	275	570	580	510	465	422	550	4	5	52	16-34
	400	406	1857	300	655	660	585	535	474	600	4	5	58	16-41
	450	432	2036	335	680	685	610	560	524	650	4	5	60	20-41
	500	457	2247	370	755	755	670	612	576	BA-2	4	5	62	20-48
	600	508	2723	450	890	890	795	730	678	BA-3	5	6	62	20-54
	700	610	3092	500	995	-	900	835	768	BA-3	5	6	68	24-54
800	711	3870	590	1135	-	1030	960	876	BAA-3	5	6	76	24-58	

Notes: Dimensions: GB/T12221; Dimensions: JB/T 79.1-1994 HG/T 20592-2009

SLAB GATE VALVES WITHOUT CONDUIT HOLE

Parallel Gate Valve



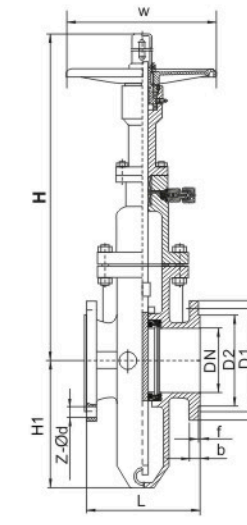
Class400Lb/CIsaa600Lb

- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	D ₆	W	f	f ₁	b	Z-ød
					JB	HG								
6.4	50	250	440	98	175	180	135	105	88	250	3	4	26	4-23
	65	280	482.5	110	200	205	160	130	110	250	3	4	28	8-23
	80	310	595	115	210	215	170	140	121	300	3	4	30	8-23
	100	350	683	135	250	250	200	168	150	350	3	4.5	32	8-25
	125	400	735	158	295	295	240	202	176	400	3	4.5	36	8-30
	150	450	833	180	340	345	280	240	204	450	3	4.5	38	8-34
	200	550	1072	213	405	415	345	300	260	500	3	4.5	44	12-34
	250	650	1265	255	470	470	400	352	313	600	3	4.5	48	12-41
	300	750	1433	285	530	530	460	412	364	700	4	4.5	54	16-41
	350	850	1675	318	595	600	525	475	422	750	4	5	60	16-41
	400	950	1857	355	670	670	585	525	474	BA-2	4	5	66	16-48
	500	1150	2247	420	800	-	705	640	576	BA-3	4	5	70	50-54
	600	1350	2723	495	930	-	820	750	678	BA-3	5	6	76	20-58
	700	1450	3092	553	1045	-	935	865	768	BAA-3	5	6	80	24-58
10.0	50	250	440	108	195	165	145	112	88	250	3	4	28	4-25
	65	280	482.5	120	220	185	170	138	110	250	3	4	32	8-25
	80	310	595	125	230	200	180	148	121	300	3	4	34	8-25
	100	350	683	143	265	220	210	172	150	350	3	4.5	38	8-30
	125	400	735	165	310	250	250	210	176	400	3	4.5	42	8-34
	150	450	833	185	350	285	290	250	204	450	3	4.5	46	12-34
	200	550	1072	225	430	340	360	312	260	500	3	4.5	54	12-41
	250	650	1265	270	500	395	430	382	313	600	3	4.5	60	12-41
	300	750	1433	313	585	445	500	442	364	700	4	4.5	70	16-48
	350	850	1675	348	655	505	560	498	422	750	4	5	76	16-54
	400	950	1857	378	715	615	620	558	474	BA-2	4	5	80	16-54
	500	1150	2247	455	870	670	760	690	576	BA-3	5	5	90	20-58
	600	1350	2723	525	990	780	875	800	678	BAA-3	5	6	95	24-58

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

SLAB GATE VALVES WITHOUT CONDUIT HOLE



Class 150Lb Pa2.0

- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-ød
					JB	HG						
1.0	15	108	316	48	95	95	65	45	120	2	14	4-14
	20	117	326	60	105	105	75	55	120	2	16	4-14
	25	127	336	70	115	115	85	65	160	2	16	4-14
	32	140	363	80	135	140	100	78	160	2	16	4-18
	40	165	390	101	145	150	110	85	200	3	16	4-18
	50	178	440	133	160	165	125	100	250	3	16	4-18
	65	190	482.5	145	180	185	145	120	250	3	16	4-18
	80	203	595	180	195	200	160	135	250	3	20	4-18
	100	229	683	210	215	220	180	155	300	3	20	8-18
	125	254	735	266	245	250	210	185	350	3	22	8-18
	150	267	833	296	280	285	240	210	350	3	22	8-23
	200	292	1072	377	335	340	295	265	400	3	24	8-23
	250	330	1265	461	390	395	350	320	400	3	26	12-23
	300	356	1433	530	440	445	400	368	450	4	28	12-23
350	381	1675	620	500	505	460	428	450	4	30	16-23	
400	406	1857	692	565	565	515	482	500	4	32	16-25	
450	432	2036	765	615	615	565	532	550	4	32	20-25	
500	457	2247	850	670	670	620	585	600	4	34	20-25	
600	508	2723	1020	780	780	725	685	BA-2	5	36	20-30	
700	610	3092	1150	895	895	840	800	BA-2	5	40	24-30	
800	660	3414	1376	1010	1015	950	905	BA-3	5	44	24-34	
900	711	3870	1520	1110	1115	1050	1005	BA-3	5	46	28-34	
1000	811	4550	1730	1220	1230	1160	1115	BAA-3	5	50	28-34	

Notes: Dimensions: GB/T12221; Dimensions: JB/T 79.1-1994 HG/T 20592-2009

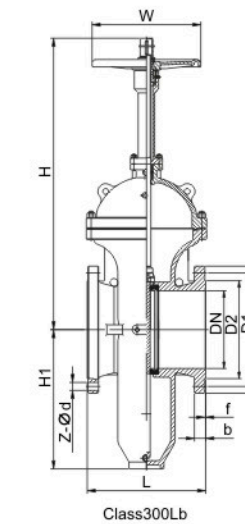
KEY EXTERNAL DIMENSIONS
AND CONNECTION DIMENSIONS

Parallel Gate Valve

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-∅d
					JB	HG						
1.6	15	108	316	48	95	95	65	45	120	2	14	4-14
	20	117	326	60	105	105	75	55	120	2	14	4-14
	25	127	336	70	115	115	85	65	160	2	14	4-14
	32	140	363	80	135	140	100	78	160	2	16	4-18
	40	165	390	101	145	150	110	85	200	3	16	4-18
	50	178	440	133	160	165	125	100	250	3	16	4-18
	65	190	482.5	145	180	185	145	120	250	3	18	4-18
	80	203	595	180	195	200	160	135	250	3	20	8-18
	100	229	683	210	215	220	180	155	300	3	20	8-18
	125	254	735	266	245	250	210	185	350	3	22	8-18
	150	267	833	296	280	285	240	210	350	3	24	8-23
	200	292	1072	377	335	340	295	265	400	3	26	12-23
	250	330	1265	461	405	405	355	320	400	3	30	12-25
	300	356	1433	530	460	460	410	375	450	4	30	12-25
	350	381	1675	620	520	520	470	435	450	4	34	16-25
	400	406	1857	692	580	580	525	485	500	4	36	16-30
2.5	450	432	2036	765	640	640	585	545	550	4	40	20-30
	500	457	2247	850	705	715	650	608	600	4	44	20-34
	600	508	2723	1020	840	840	770	718	BA-2	5	48	20-41
	700	610	3092	1150	910	910	840	788	BA-2	5	50	24-41
	800	660	3414	1376	1020	1025	950	898	BA-3	5	52	24-41
	900	711	3870	1520	1120	1125	1050	998	BA-3	5	54	28-41
	1000	811	4550	1730	1255	1255	1170	1110	BAA-3	5	56	28-48
	15	108	316	48	95	95	65	45	120	2	16	4-14
	20	117	326	60	105	105	75	55	120	2	16	4-14
	25	127	336	70	115	115	85	65	160	2	16	4-14
	32	140	363	80	135	140	100	78	160	2	18	4-18
	40	165	390	101	145	150	110	85	200	3	18	4-18
	50	178	440	133	160	165	125	100	250	3	20	4-18
	65	190	482.5	145	180	185	145	120	250	3	22	8-18
	80	203	595	180	195	200	160	135	250	3	22	8-18
	100	229	683	210	230	235	190	160	300	3	24	8-23
125	254	735	266	270	270	220	188	350	3	28	8-25	
150	267	833	296	300	300	250	218	400	3	30	8-25	
200	292	1072	377	360	360	310	278	400	3	34	12-25	
250	330	1265	461	425	425	370	332	450	3	36	12-30	
300	356	1433	530	485	485	430	390	500	4	40	16-30	
350	381	1675	620	550	555	490	448	550	4	44	16-34	
400	406	1857	692	610	620	550	505	600	4	48	16-34	
450	432	2036	765	660	670	600	555	650	4	50	20-34	
500	457	2247	850	730	730	660	610	BA-2	4	52	20-41	
600	508	2723	1020	840	845	770	718	BA-2	5	56	20-41	
700	610	3092	1150	955	960	875	815	BA-3	5	60	24-48	
800	660	3414	1376	1070	1085	990	930	BA-3	5	64	24-48	
900	711	3870	1520	1180	1185	1090	1025	BAA-3	5	66	28-54	
1000	811	4550	1730	1305	1320	1210	1140	BAA-3	5	68	28-58	

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

SLAB GATE VALVES WITH
CONDUIT HOLE



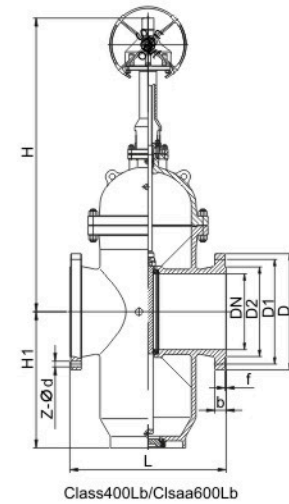
- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	D ₆	W	f	f ₁	b	Z-∅d
					JB	HG								
4.0	15	108	316	48	95	95	65	45	40	120	2	4	16	4-14
	20	117	326	60	105	105	75	55	51	120	2	4	16	4-14
	25	127	336	70	115	115	85	65	58	160	2	4	16	4-14
	32	140	363	80	135	140	100	78	66	160	2	4	18	4-18
	40	165	390	101	145	150	110	85	76	200	3	4	18	4-18
	50	178	440	133	160	165	125	100	88	250	3	4	20	4-18
	65	241	482.5	145	180	185	145	120	110	250	3	4	22	8-18
	80	283	595	180	195	200	160	135	121	250	3	4	22	8-18
	100	305	683	210	230	235	190	160	150	300	3	4.5	24	8-23
	125	381	735	266	270	270	220	188	176	350	3	4.5	28	8-25
	150	403	833	296	300	300	250	218	204	400	3	4.5	30	8-25
	200	419	1072	377	375	375	320	282	260	400	3	4.5	38	12-30
	250	457	1265	461	445	450	385	345	313	450	3	4.5	42	12-34
	300	502	1433	530	510	515	450	408	364	500	4	4.5	46	16-34
	350	572	1675	620	570	580	510	465	422	550	4	5	52	16-34
	400	610	1857	692	655	660	585	535	474	600	4	5	58	16-41
450	660	2036	765	680	685	610	560	524	650	4	5	60	20-41	
500	711	2247	850	755	755	670	612	576	BA-2	4	5	62	20-48	
600	813	2723	1020	890	890	795	730	678	BA-3	5	6	62	20-54	
700	900	3092	1150	995	-	900	835	768	BA-3	5	6	68	24-54	
800	1000	3414	1376	1135	-	1030	960	876	BAA-3	5	6	76	24-58	

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

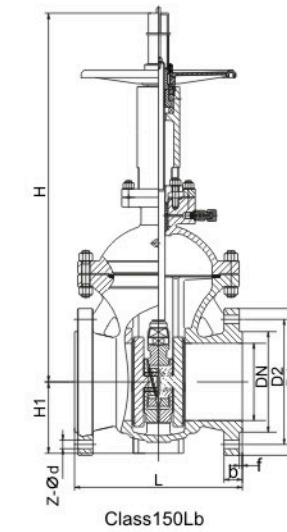
SLAB GATE VALVES WITH CONDUIT HOLE

Parallel Gate Valve



Class400Lb/Class600Lb

PARALLEL SLIDE EXPANDING GATE VALVES WITHOUT CONDUIT HOLE



Class150Lb

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	D ₆	W	f	f ₁	b	Z-ød
					JB	HG								
6.4	50	250	440	133	175	180	135	105	88	250	3	4	26	4-23
	65	280	482.5	145	200	205	160	130	110	250	3	4	28	8-23
	80	310	595	180	210	215	170	140	121	300	3	4	30	8-23
	100	350	683	210	250	250	200	168	150	350	3	4.5	32	8-25
	125	400	735	266	295	295	240	202	176	400	3	4.5	36	8-30
	150	450	833	296	340	345	280	240	204	450	3	4.5	38	8-34
	200	550	1072	377	405	415	345	300	260	500	3	4.5	44	12-34
	250	650	1265	461	470	470	400	352	313	600	3	4.5	48	12-41
	300	750	1433	530	530	530	460	412	364	700	4	4.5	54	16-41
	350	850	1675	620	595	600	525	475	422	750	4	5	60	16-41
	400	950	1857	692	670	670	585	525	474	BA-2	4	5	66	16-48
	500	1150	2247	850	800	-	705	640	576	BA-3	4	5	70	50-54
	600	1350	2723	1020	930	-	820	750	678	BA-3	5	6	76	20-58
	700	1450	3092	1150	1045	-	935	865	768	BAA-3	5	6	80	24-58
10.0	50	250	440	133	195	195	145	112	88	250	3	4	28	4-25
	65	280	482.5	145	220	220	170	138	110	250	3	4	32	8-25
	80	310	595	180	230	230	180	148	121	300	3	4	34	8-25
	100	350	683	210	265	265	210	172	150	350	3	4.5	38	8-30
	125	400	735	266	310	315	250	210	176	400	3	4.5	42	8-34
	150	450	833	296	350	355	290	250	204	450	3	4.5	46	12-34
	200	550	1072	377	430	430	360	312	260	500	3	4.5	54	12-41
	250	650	1265	461	500	505	430	382	313	600	3	4.5	60	12-41
	300	750	1433	530	585	585	500	442	364	700	4	4.5	70	16-48
	350	850	1675	620	655	655	560	498	422	750	4	5	76	16-54
	400	950	1857	692	715	715	620	558	474	BA-2	4	5	80	16-54
	500	1150	2247	850	870	-	760	690	576	BA-3	5	6	90	20-58
	600	1350	2723	1020	990	-	875	800	678	BAA-3	5	6	95	24-58

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-ød
					JB	HG						
1.6	50	216	440	83	160	165	125	100	250	3	16	4-18
	65	241	482.5	90	180	185	145	120	250	3	18	4-18
	80	283	595	100	195	200	160	135	250	3	20	8-18
	100	305	683	120	215	220	180	155	300	3	20	8-18
	125	381	735	138	245	250	210	185	350	3	22	8-18
	150	403	833	155	280	285	240	210	400	3	24	8-23
	200	419	1072	185	335	340	295	265	400	3	26	12-23
	250	457	1265	215	405	405	355	320	450	3	30	12-25
	300	502	1433	245	460	460	410	375	500	4	30	12-25
	350	762	1675	275	520	520	470	435	600	4	34	16-25
	400	838	1857	300	580	580	525	485	700	4	36	16-30
	450	914	2036	335	640	640	585	545	800	4	40	20-30
	500	991	2247	370	705	715	650	608	900	4	44	20-34
	600	1143	2723	450	840	840	770	718	BA-2	5	48	20-41
700	1346	3092	500	910	910	840	788	BA-3	5	50	24-41	
800	1524	3414	535	1020	1025	950	898	BA-3	5	52	24-41	
900	1727	3870	590	1120	1125	1050	998	BAA-3	5	54	28-41	

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

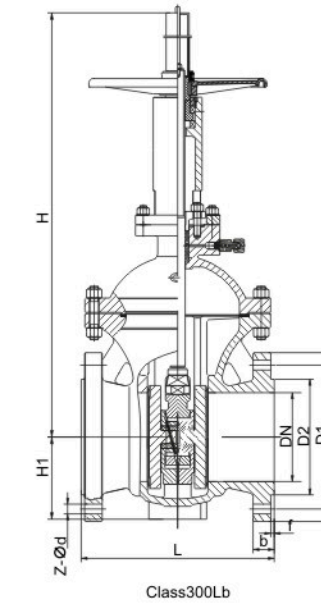
PARALLEL SLIDE EXPANDING GATE VALVES
WITHOUT CONDUIT HOLE

Parallel Gate Valve

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-∅d
					JB	HG						
2.5	50	216	440	83	160	165	125	100	100	100	20	4-19
	65	241	482.5	90	180	185	145	120	120	120	22	8-18
	80	283	595	100	195	200	160	135	135	135	22	8-18
	100	305	683	120	230	235	190	160	300	3	24	8-23
	125	381	735	138	270	270	220	188	350	3	28	8-25
	150	403	833	155	300	300	250	218	400	3	30	8-25
	200	419	1072	185	360	360	310	278	400	3	34	12-25
	250	457	1265	215	425	425	370	332	450	3	36	12-30
	300	502	1433	245	485	485	430	390	500	4	40	19-30
	350	762	1675	275	550	555	490	448	600	4	44	19-37
	400	838	1857	300	610	620	550	505	700	4	48	16-34
	450	914	2036	335	660	670	600	555	800	4	50	20-34
	500	991	2247	370	730	730	660	610	900	4	52	20-41
	600	1143	2723	450	840	845	770	718	BA-2	5	56	20-41
	700	1346	3092	500	955	960	875	815	BA-3	5	50	24-48
	800	1524	3414	535	1070	1085	990	930	BA-3	5	64	24-48
900	1727	3870	590	1180	1185	1090	1025	BAA-B	5	66	28-54	

Notes: Face to face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

PARALLEL SLIDE EXPANDING GATE VALVES
WITHOUT CONDUIT HOLE



Class300Lb

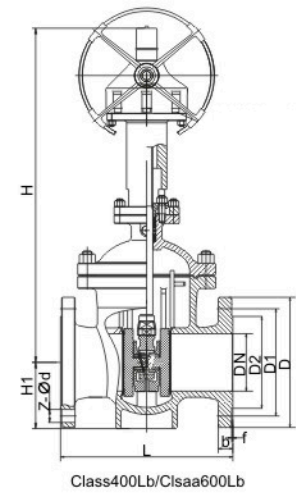
- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	D ₃	W	f	f ₁	b	Z-∅d
					JB	HG								
4.0	50	216	440	83	160	165	125	100	88	250	3	4	20	4-18
	65	241	482.5	90	180	185	145	120	110	250	3	4	22	8-18
	80	283	595	100	195	200	160	135	121	250	3	4	22	8-18
	100	305	683	120	230	235	190	160	150	300	3	4.5	24	8-23
	125	381	735	138	270	270	220	188	176	350	3	4.5	28	8-25
	150	403	833	155	300	300	250	218	204	400	3	4.5	30	8-25
	200	419	1072	185	375	375	320	282	260	400	3	4.5	38	12-30
	250	457	1265	215	445	450	385	345	313	450	3	4.5	42	12-34
	300	502	1433	245	510	515	450	408	364	500	4	4.5	46	19-34
	350	762	1675	275	570	580	510	465	422	600	4	5	52	16-34
	400	838	1857	300	655	660	585	535	474	700	4	5	58	16-41
	450	914	2036	335	680	685	610	560	524	800	4	5	60	20-41
	500	991	2247	370	755	755	670	612	576	900	4	5	62	20-48
	600	1143	2723	450	890	890	795	730	678	BA-2	5	6	62	20-54
	700	1346	3092	500	995	-	900	835	768	BA-3	5	6	68	24-54
	800	1524	3414	535	1135	-	1030	960	876	BA-3	5	6	76	24-58

Notes: Face to face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

PARALLEL SLIDE EXPANDING GATE VALVES
WITHOUT CONDUIT HOLE

Parallel Gate Valve

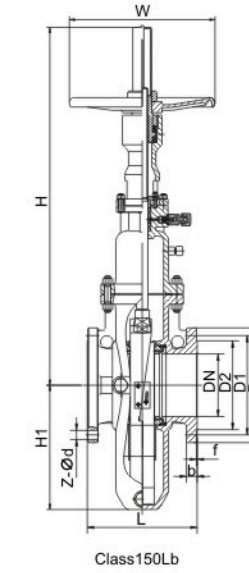


- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D			D ₁	D ₂	D ₃	W	f	f ₁	b	Z-∅d
					JB	HG	HG								
6.4	50	250	440	83	175	180	135	105	88	250	3	4	26	4-23	
	65	280	482.5	90	200	205	160	130	110	250	3	4	28	8-23	
	80	310	595	100	210	215	170	140	121	300	3	4	30	8-23	
	100	350	683	120	250	250	200	168	150	350	3	4.5	32	8-25	
	125	400	735	138	295	295	240	202	176	400	3	4.5	36	8-30	
	150	450	833	155	340	345	280	240	204	450	3	4.5	38	8-34	
	200	550	1072	185	405	415	345	300	260	500	3	4.5	44	12-34	
	250	650	1265	215	470	470	400	352	313	600	3	4.5	48	12-41	
	300	750	1433	245	530	530	460	412	364	700	4	4.5	54	16-41	
	350	850	1675	275	595	600	525	475	422	750	4	5	60	16-41	
10.0	400	950	1857	300	670	670	585	525	474	BA-2	4	5	66	16-48	
	500	1150	2247	370	800	-	705	640	576	BA-2	4	5	70	20-54	
	600	1350	2723	450	930	-	820	750	678	BA-3	5	6	76	20-58	
	50	250	440	83	195	195	145	112	88	250	3	4	28	4-25	
	65	280	482.5	90	220	220	170	138	110	250	3	4	32	8-25	
	80	310	595	100	230	230	180	148	121	300	3	4	34	8-25	
	100	350	683	120	265	265	210	172	150	350	3	4.5	38	8-30	
	125	400	735	138	310	315	250	210	176	400	3	4.5	42	8-34	
	150	450	833	155	350	355	290	250	204	450	3	4.5	46	12-34	
	200	550	1072	185	430	430	360	312	260	500	3	4.5	54	12-41	
250	650	1265	215	500	505	430	382	313	600	3	4.5	60	12-41		
300	750	1433	245	585	585	500	442	364	700	4	4.5	70	16-48		
350	850	1675	275	655	655	560	495	422	750	4	5	76	16-54		
400	950	1857	300	715	715	620	558	474	BA-2	4	5	80	16-54		

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

DUAL-DISC PARALLEL SLIDE GATE VALVES
WITH CONDUIT HOLE



- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D			D ₁	D ₂	W	f	b	Z-∅d
					JB	HG	HG						
1.6	50	178	440	133	160	165	125	100	250	3	16	4-18	
	65	190	482.5	145	180	185	145	120	250	3	18	4-18	
	80	203	595	180	195	200	160	135	250	3	20	8-18	
	100	229	683	210	215	220	180	155	300	3	20	8-18	
	125	254	735	266	245	250	210	185	350	3	22	8-18	
	150	267	833	296	280	285	240	210	400	3	24	8-23	
	200	292	1072	377	335	340	295	265	400	3	26	12-23	
	250	330	1265	461	405	405	355	320	450	3	30	12-25	
	300	356	1433	530	460	460	410	375	500	4	30	12-25	
	350	381	1675	620	520	520	470	435	600	4	34	16-25	
400	406	1857	692	580	580	525	485	700	4	36	16-30		
450	432	2036	765	640	640	585	545	800	4	40	20-30		
500	457	2247	850	705	715	650	608	900	4	44	20-34		
600	508	2723	1020	840	840	770	718	BA-2	5	48	20-41		
700	610	3092	1150	910	910	840	788	BA-3	5	50	24-41		
800	660	3414	1376	1020	1025	950	898	BA-3	5	52	24-41		
900	711	3870	1520	1120	1125	1050	998	BAA-3	5	54	28-41		

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

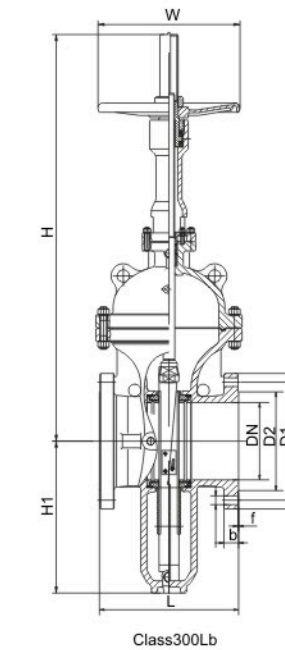
PARALLEL SLIDE EXPANDING GATE VALVES
WITHOUT CONDUIT HOLE

Parallel Gate Valve

PN(MPa)	DN(mm)	L	H	H ₁	D		D ₁	D ₂	W	f	b	Z-∅d
					JB	HG						
2.5	50	178	440	133	160	165	125	125	250	3	20	4-18
	65	190	482.5	145	180	185	145	120	250	3	22	8-18
	80	203	595	180	195	200	160	135	250	3	22	8-18
	100	229	683	210	230	235	190	160	300	3	24	8-23
	125	254	735	266	270	270	220	188	350	3	28	8-25
	150	267	833	296	300	300	250	218	400	3	30	8-25
	200	292	1072	377	360	360	310	278	400	3	34	12-25
	250	330	1265	461	425	425	370	332	450	3	36	12-30
	300	356	1433	530	485	485	430	390	500	4	40	16-30
	350	381	1675	620	550	555	490	448	600	4	44	16-34
	400	406	1857	692	610	620	550	505	700	4	48	16-34
	450	432	2036	765	660	670	600	555	800	4	50	20-34
	500	457	2247	850	730	730	660	610	900	4	52	20-41
	600	508	2723	1020	840	845	770	718	BA-2	5	56	20-41
	700	610	3092	1150	955	960	875	815	BA-3	5	60	24-48
	800	660	3414	1376	1070	1085	990	930	BA-3	5	64	24-48
900	711	3870	1520	1180	1185	1090	1025	BAA-3	5	66	28-54	

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

DUAL-DISC PARALLEL SLIDE GATE VALVES
WITH CONDUIT HOLE



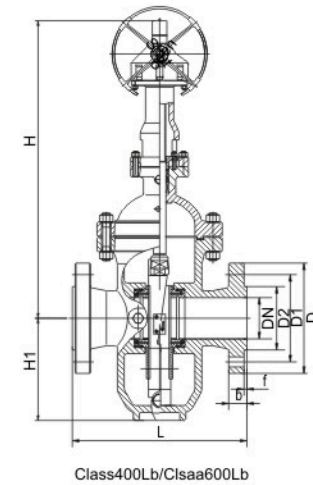
- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D			D ₁	D ₂	D ₃	W	f	f ₁	b	Z-∅d
					JB	HG	HG								
4.0	50	216	440	133	160	165	125	100	88	250	3	4	20	4-18	
	65	241	482.5	145	180	185	145	120	110	250	3	4	22	8-18	
	80	283	595	180	195	200	160	135	121	250	3	4	22	8-18	
	100	305	683	210	230	235	190	160	150	300	3	4.5	24	8-23	
	125	381	735	266	270	270	220	188	176	350	3	4.5	28	8-25	
	150	403	833	296	300	300	250	218	204	400	3	4.5	30	8-25	
	200	419	1072	377	375	375	320	282	260	400	3	4.5	38	12-30	
	250	457	1265	461	445	450	385	345	313	450	3	4.5	42	12-34	
	300	502	1433	530	510	515	450	408	364	500	4	4.5	46	16-34	
	350	527	1675	620	570	580	510	464	422	600	4	5	52	16-34	
	400	538	1857	692	655	660	585	535	474	700	4	5	58	16-41	
	450	594	2036	765	680	685	610	560	524	800	4	5	60	20-41	
	500	591	2247	850	755	755	670	612	576	900	4	5	62	20-48	
	600	1143	2723	1020	890	890	795	730	678	BA-2	5	6	62	20-54	
	700	1346	3092	1150	995	-	900	835	768	BA-3	5	6	68	24-54	
	800	1524	3414	1376	1135	-	1030	960	876	BA-3	5	6	76	24-58	

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

DUAL-DISC PARALLEL SLIDE GATE VALVES WITH CONDUIT HOLE

Parallel Gate Valve



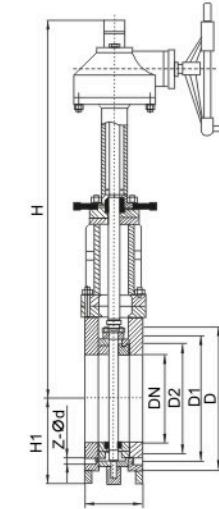
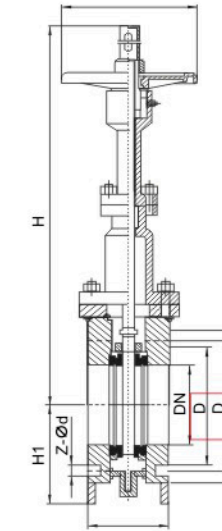
Class400Lb/Cisaa600Lb

- Key External Dimensions And Connection Dimensions

PN(MPa)	DN(mm)	L	H	H ₁	D			D ₁	D ₂	D ₃	W	f	f ₁	b	Z-ød
					JB	HG									
6.4	50	250	440	133	175	180	135	105	88	250	3	4	26	4-23	
	65	280	482.5	145	200	205	160	130	110	250	3	4	28	8-23	
	80	310	595	180	210	215	170	140	121	300	3	4	30	8-23	
	100	350	683	210	250	250	200	168	150	350	3	4.5	32	8-25	
	125	400	735	266	295	295	240	202	176	400	3	4.5	36	8-30	
	150	450	833	296	340	345	280	240	204	450	3	4.5	38	8-34	
	200	550	1072	377	405	415	345	300	260	500	3	4.5	44	12-34	
	250	650	1265	461	470	470	400	352	313	600	3	4.5	48	12-41	
	300	750	1433	530	530	530	460	412	364	700	4	4.5	54	16-41	
	350	850	1675	620	595	600	525	475	422	750	4	5	60	16-41	
400	950	1857	692	670	670	585	525	474	BA-2	4	5	66	16-48		
500	1150	2247	850	800	-	705	640	576	BA-2	4	5	70	20-54		
600	1350	2723	1020	930	-	820	750	678	BA-3	5	6	76	20-58		
10.0	50	250	440	133	195	195	145	112	88	250	3	4	28	4-25	
	65	280	482.5	145	220	220	170	138	110	250	3	4	32	8-25	
	80	310	595	180	230	230	180	148	121	300	3	4	34	8-25	
	100	350	683	210	265	265	210	172	150	350	3	4.5	38	8-30	
	125	400	735	266	310	315	250	210	176	400	3	4.5	42	8-34	
	150	450	833	296	350	355	290	250	204	450	3	4.5	46	12-34	
	200	550	1072	377	430	430	360	312	260	500	3	4.5	54	12-41	
	250	650	1265	461	500	505	430	382	313	600	3	4.5	60	12-41	
	300	750	1433	530	585	195	500	442	364	700	4	4.5	70	16-48	
	350	850	1675	620	655	195	560	498	422	750	4	5	76	16-54	
400	950	1857	692	715	195	620	558	474	BA-2	4	5	80	16-54		

Notes: Face-to-face Dimensions: GB/T12221; Flange Dimensions: JB/T 79.1-1994 HG/T 20592-2009

LIGHT-SHORT PATTERN SLAB GATE VALVE



- Key External Dimensions And Connection Dimensions

DN (in)	DN (mm)	(mm)							
		W	L	D	D ₁	D ₂	Z-Md	F	H
		ANSI 150, =PN 20				SZ47WF-275PSI 150Lb			
4	100	100	150	235	190	157	8-M20	150	1150
6	150	152	150	285	242	216	8-M22	200	1350
8	200	203	180	343	298	270	8-M22	224	1550
10	250	254	180	406	362	324	12-M22	250	1640
12	300	305	200	483	432	381	12-M22	280	1758
14	350	336	206	546	476	413	12-M22	318	1900
16	400	387	203	610	540	470	16-M27	364	2008
20	500	489	229	710	635	584	20-M30	406	2360
24	600	590	248	825	749	692	20-M30	470	2275
28	700	692	286	940	864	800	28-M33	524	3270
32	800	794	286	-	978	908	28-M36	578	3550
36	900	895	286	-	1086	1022	32-M36	612	3956
40	1000	997	324	1320	1200	1124	36-M36	710	4400
		ANSI 300, =PN 50				SZ47WF-720PSI 300Lb			
6	150	203	403	318	270	216	12-M22	41	180
8	200	-	419	381	330	270	12-M25	42	200
10	250	254	457	445	388	324	16-M29	48	-
12	300	305	502	521	459	381	16-M32	51	-
14	350	336	762	584	514	413	20-M32	54	305
16	400	387	838	648	572	470	20-M35	57	-
20	500	489	991	775	686	584	24-M35	64	-
		ANSI 400, =PN 68				SZ47WF-960PSI 400Lb			
6	150	158	495	318	270	216	12-M22	41	180
8	200	203	597	381	330	270	16-M29	48	210
10	250	254	673	445	388	324	16-M32	54	250
12	300	305	672	521	459	381	16-M35	57	280
14	350	336	826	584	514	413	24-M35	61	320

Notes: 1 Face-to-face Dimensions: GB/T15188.1-94; 2 Flange Dimensions: JB/T79(1)2-94.



-Products Design Features

The ZF series water injecting valves are high pressure flat-plate gate valves. with a reasonable structure, a reliable seal and an easy operation and the sealing face is built-up welded with carbide alloy, features anti-corrosion, anti-wear and anti-erosion and can be used for throttle, especially suitable for the water, oil, mud pulpy, natural gas pipeline as the open-close and adjusting device to control the medium flowing.

- Technical Specification

Design Standard		GB/T 19672、JB/T5298、API6D、AP26A
Structural length	Flanged	JB/T 12221、GB/T 19672、JB/T 5298
	Welded connection	GB/T 15188.1、GB/T 19672
Flanged ends		GB/T 9113、JB/T79、ANSI 16.5
Butt-welding		GB/T12224
Tes & inspection		GB/T 13927、GB/T 9092



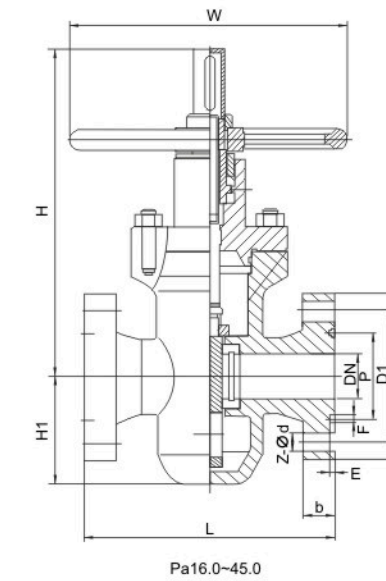
-Products Performance Specification

Scope of application	PN10.0~42.0MPa	Dn25~200mm
Applicable temperature	-29~121℃	
Applicable medium	Ordinary type	Petroleum, natural gas, ready made oil, water, etc
	Antis ulphur type	Petroleum, natural gas etc, containing H ₂ S、CO ₂
Connecting type	Flange end, welded end, keeper end	
Driving manner	Manual, electric, pneumatic etc. actuations	



-Majpor Parts Material Form

Accessory name	Valve body valve covering	floodgate board	Valve stem	Valve seat	Valve stem nut	Packing
"Z" Type	WCB, Cr Mo steel	Alloy steel (weld the hard alloy)	Stainless steel	Alloy steel	Aluminium bronze	PTFE fluorine rubber
"KZ" Type			Sulfur resisting stainless steel	(weld the hard alloy)		



- Key External Dimensions And Connection Dimensions

Type	DN(mm)	L	H	H1	D	D1	W	P	E	F	b	z-ød	
SZ43Y(F)-160	25	225	310	78	150	101.5	250	50.80	6.35	8.74	29.0	4-26	
	32	230	358	90	160	111.0	250	60.32	6.35	8.74	29.0	4-26	
	40	260	402	110	180	124.0	300	68.28	6.35	8.74	32.0	4-30	
	50	270	424	122	215	165.0	300	95.25	7.92	11.91	38.5	8-26	
	65	340	434	133	245	190.5	350	107.95	7.92	11.91	41.5	8-30	
	80	360	462	149	240	190.5	350	123.82	7.92	11.91	38.5	8-26	
	SZ43Y(F)-200	100	420	550	182	295	235.0	400	149.22	7.92	11.91	44.5	8-33
		125	525	671	230	350	279.5	500	180.98	7.92	11.91	51.0	8-36
		150	550	762	276	380	317.5	550	211.12	7.92	11.91	56.0	12-33
		200	630	783	364	470	393.5	600	269.88	7.92	11.91	63.5	12-39
250		750	922	428	545	470.0	700	323.85	7.92	11.91	70.0	16-39	
SZ43Y(F)-250	25	225	310	78	150	101.5	250	50.80	6.35	8.74	29.0	4-26	
	32	230	358	90	160	111.0	250	60.32	6.35	8.74	29.0	4-26	
	40	260	402	110	180	124.0	300	68.28	6.35	8.74	32.0	4-30	
	50	270	424	122	215	165.0	300	95.25	7.92	11.91	38.5	8-26	
	65	340	434	133	245	190.5	350	107.95	7.92	11.91	41.5	8-30	
	80	360	462	149	270	203.0	350	136.52	7.92	11.91	48.0	8-33	
	SZ43Y(F)-350	100	420	550	182	310	241.5	400	161.92	7.92	11.91	54.0	8-36
		125	525	671	230	375	292.5	500	193.68	7.92	11.91	73.5	8-42
		150	550	762	276	395	317.5	550	211.12	9.52	13.49	83.0	12-39
		200	630	783	364	485	393.5	600	269.88	11.13	16.66	92.0	12-45
250		750	922	428	585	482.5	700	323.85	11.13	16.66	108.0	12-52	

Notes: Face-to-face Dimensions:GB/T9113.24



- Key External Dimensions And Connection Dimensions

DN(mm)	SMZ67F-16c			SMZ47F-16c										
	L	H	H ₁	L	H	H ₁	D	D ₁	D ₂	D ₆	f	f ₁	b	Z-∅d
50	292	292	133	292	292	133	160	125	100		3		20	4-18
65	330	305	145	330	305	145	180	145	120		3		22	8-18
80	356	405	180	356	405	180	195	160	135		3		22	8-18
100	432	479	210	432	479	210	230	190	160		3		24	8-23
125	580	527	266	508	527	266	270	220	188		3		28	8-25
150	559	575	296	559	575	296	300	250	218		3		30	8-25
200	660	670	377	660	670	377	360	310	278		3		34	12-25
250	787	765	461	787	765	461	425	370	332		3		36	12-30
300	838	840	530	838	840	530	485	430	390		4		40	16-30
350	889	940	620	889	940	620	550	490	448		4		44	16-34
400	991	1045	695	991	1045	692	610	550	505		4		48	16-34
450	1092	1105	765	1092	1105	765	660	600	555		4		50	20-34
500	1194	1230	850	1194	1230	850	730	660	610		4		52	20-41
600	1397	1383	1020	1397	1383	1020	840	770	718		5		56	20-41
700	1549	1538	1150	1549	1538	1150	955	875	815		5		60	24-48
800	1778	1846	1376	1778	1846	1376	1070	990	930		5		64	24-48
900	2083	2090	1520	2083	2090	1520	1180	1090	1025		5		66	28-54
SMZ67F-40c			SMZ47F-40c											
L	H	H ₁	L	H	H ₁	D	D ₁	D ₂	D ₆	f	f ₁	b	Z-∅d	
50	292	292	133	292	292	133	160	125	100	88	3	4	20	4-18
65	330	305	145	330	305	145	180	145	120	110	3	4	22	8-18
80	356	405	180	356	405	180	195	160	135	121	3	4	22	8-18
100	432	479	210	432	479	210	230	190	160	150	3	4.5	24	8-23
125	508	527	266	508	527	266	270	220	188	176	3	4.5	28	8-25
150	559	575	296	559	575	296	300	250	218	204	3	4.5	30	8-25
200	660	670	377	660	670	377	375	320	282	260	3	4.5	38	12-30
250	787	765	461	787	765	461	445	385	345	313	3	4.5	42	12-34
300	838	840	530	838	840	530	510	450	408	364	4	4.5	46	16-34
350	889	940	620	889	940	620	570	510	465	422	4	5	52	16-34
400	991	1045	692	991	1045	692	655	585	535	474	4	5	58	16-41
450	1092	1105	765	1092	1105	765	680	610	560	524	4	5	60	20-41
500	1194	1230	850	1194	1230	850	755	670	612	576	4	5	62	21-48
600	1397	1383	1020	1397	1383	1020	890	795	730	678	5	6	62	20-54
700	1549	1538	1150	1549	1538	1150	995	900	835	768	5	6	68	24-54
800	1778	1846	1376	1778	1846	1376	1135	1030	960	876	5	6	76	24-58

Notes: 1.Face-to-face Dimensions:GB/T12221-2005; 2.Flange Dimensions:JB/T79(1)-94.

- Key External Dimensions And Connection Dimensions

DN(mm)	SMZ67F-64c			SMZ47F-64c										
	L	H	H ₁	L	H	H ₁	D	D ₁	D ₂	D ₆	f	f ₁	b	Z-∅d
50	292	292	133	292	292	133	175	135	105	88	3	4	26	4-23
65	330	305	145	330	305	145	200	160	130	110	3	4	28	8-23
80	356	405	180	356	405	180	210	170	140	121	3	4	30	8-23
100	432	479	210	432	479	210	250	200	168	150	3	4.5	32	8-25
125	508	527	266	508	527	266	295	240	202	176	3	4.5	36	8-30
150	559	575	296	559	575	296	340	280	240	204	3	4.5	38	8-34
200	660	670	377	660	670	377	405	345	300	260	3	4.5	44	12-34
250	787	765	461	787	765	461	470	400	352	313	3	4.5	48	12-41
300	838	840	530	838	840	530	530	460	412	364	4	4.5	54	16-41
350	889	940	620	889	940	620	595	525	475	422	4	5	60	16-41
400	991	1045	692	991	1045	692	670	585	525	474	4	5	66	16-48
500	1194	1230	850	1194	1230	850	800	705	640	576	4	5	70	20-54
600	1397	1383	1020	1397	1383	1020	930	820	750	678	5	6	76	20-58
SMZ67F-100c			SMZ47F-100c											
L	H	H ₁	L	H	H ₁	D	D ₁	D ₂	D ₆	f	f ₁	b	Z-∅d	
50	292	292	133	292	292	133	195	145	112	88	3	4	28	4-25
65	330	305	145	330	305	145	220	170	138	110	3	4	32	8-25
80	356	405	180	356	405	180	230	180	148	121	3	4	34	8-25
100	432	479	210	432	479	210	265	210	172	150	3	4.5	38	8-30
125	508	527	266	508	527	266	310	250	210	176	3	4.5	42	8-34
150	559	575	296	559	575	296	350	290	250	204	3	4.5	46	13-34
200	660	670	377	660	670	377	430	360	312	260	3	4.5	54	12-41
250	787	765	461	787	765	461	500	430	382	313	3	4.5	60	12-41
300	838	840	530	838	840	530	585	500	442	364	4	4.5	70	16-48
350	889	940	620	889	940	620	655	560	498	422	4	5	76	16-54
400	991	1045	692	991	1045	692	715	620	558	474	4	5	80	16-54

Notes: 1.Face-to-face Dimensions:GB/T15188.1-94; 2.Flange Dimensions:JB/T79(1)-94.