

GATE VALVE SERIES

Product material:

WCB, A105, LCB, LF2, WC6, F11, WC9, F22, QT450, ZG1Cr5Mo, F5, ZG20CrMoV, ZG15Cr1Mo1V, 12Cr1MoV, C12A, F91, F92, CF8, F304, CF8M, F316, CF3, F304L, CF3M, F316L, CF8C, F347, F304H, F316H, F321H, 4A, F51, 5A, F53, Inconel, Monel, (Copper alloy), (Titanium alloy), (Hastelloy alloy), (Nickel alloy)等

Manufacturer's standard: GB, DIN, API, ANSI, JIS, BS等

Nominal Diameter: 10mm~4000mm及1/2"~160"

Working pressure: 0.25MPa~76.0MPa/150Lb~4500Lb/10K~320K

Operation temperature: -196°C~816°C

Applicable working conditions: petroleum, chemical, natural gas, power plants, nuclear power, military, municipal, metallurgical, construction, pharmaceutical, papermaking, coal mining, cement, pollution discharge, environmental protection, new energy and other industries





API Flange Gate Valve



JIS Gate Valve



Russian Standard Flange Gate Valve



Welded Gate Valve



Non Rising Stem Gate Valve



Low Temperature Gate Valve



Soft Sealed Gate Valve



Pneumatic Gate Valve



Electric Flange Gate Valve

GB FLANGE GATE VALVE

Structural advantages and characteristics

- 1、Meets the domestic and foreign advanced standard requirement, the seal is reliable, the performance is fine, handsome appearance.
- 2、The damper plate, the valve seat packing surface is too vertical (stellite) with the iron-base alloy built-up welding or the department the cobalt base hard alloy built-up welding to become, wear-resisting, thermostable, anti-corrosive, the anti-abrasion performance 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、Valve body materials, variety, packing, gasket can be based on actual working conditions or the user requests a reasonable option, can be applied to all kinds of pressure, temperature and medium conditions.

Standards and norms

Design and Manufacture	Structure Length	Pressure - temperature rating	Connection flange	Test and Inspection
GB 12234	GB 12221	GB/T 12224	JB/T 79 GB 9113 HG 20592 ~ 20635	JB/T 9092 GB 13927

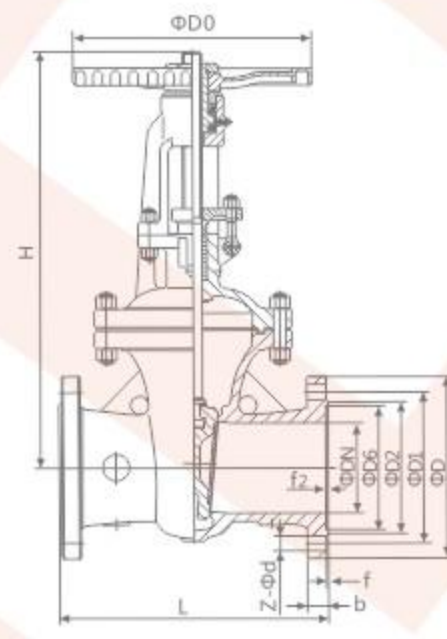
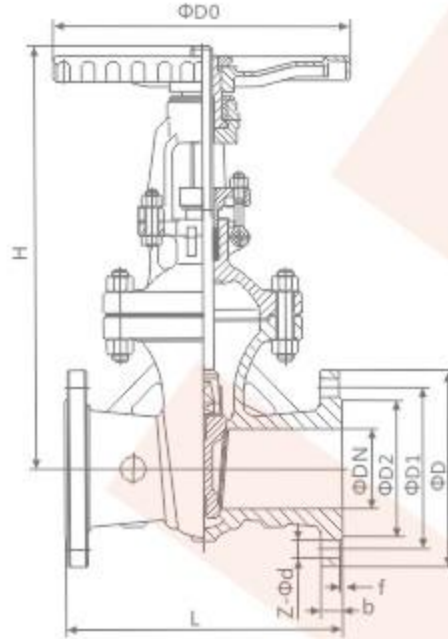
Performance parameter

Serial Number	Entry name	Entry name					
		PN16	PN25	PN40	PN64	PN100	PN160
1	PN(MPa)	1.6	2.5	4.0	6.4	10	16
2	Shell strength test pressure(MPa)	1.5 Times the nominal pressure at room temperature					
3	High-pressure sealing Test pressure(MPa)	1.1Times the nominal pressure at room temperature					
4	Operating pressure at room temperature(MPa)	According to GB/T 12224 pressure temperature rating					

Main components material

Name	Material								
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	Aluminium Bronze								
Packing	PTFE				Graphite				
Gasket	PTFE				Graphite				
Gland	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Bolt	Stainless Steel				35CrMoA				
Nut	Stainless Steel				45、 35CrMoA				
Hadwheel	Cast Steel								

GB FLANGE GATE VALVE

Z41H-10
Y16C//P/R
25
40
63

Main external and connection dimension

HG/T 20592

PN(MPa)	DN(mm)	Size(mm)								Electric device model	Nominal torqueNm	Wall thickness	Weight (Kg)
		L	D	D1	D2	b-f	Z-Φd	H	D0				
1.0	15	130	95	65	45	12-2	4-Φ14	160	100	-	-	-	-
	20	150	105	75	55	14-2	4-Φ14	165	100	-	-	-	-
	25	160	115	85	65	14-2	4-Φ14	200	125	-	-	-	-
	32	180	135	100	78	16-2	4-Φ18	240	125	-	-	-	-
	40	165	145	110	85	16-3	4-Φ18	245	135	DZW5A	50	-	-
	50	180	160	125	100	16-3	4-Φ18	286	180	DZW10A	100	-	-
	65	195	180	145	120	18-3	4-Φ18	320	180	DZW10A	100	-	-
	80	210	195	160	135	18-3	4-Φ18	373	200	DZW15A	150	-	-
	100	230	215	180	155	20-3	8-Φ18	428	200	DZW15A	150	-	-
	125	255	245	210	185	22-3	8-Φ18	513	240	DZW20A	200	-	-
	150	280	280	240	210	22-3	8-Φ23	582	240	DZW30A	300	-	-
	200	330	335	295	265	22-3	8-Φ23	730	320	DZW30A	300	-	-
	250	380	390	350	320	24-3	12-Φ23	897	320	DZW30A	450	-	-
	300	420	440	400	368	26-4	12-Φ23	1032	400	DZW45A	600	-	-
	350	450	500	460	428	26-4	16-Φ23	1170	400	DZW45A	900	-	-
	400	480	565	515	482	26-4	16-Φ25	1330	500	DZW60A	1200	-	-
	450	510	615	565	532	26-4	20-Φ25	1460	500	DZW90A	1800	-	-
	500	540	670	620	585	28-4	20-Φ25	1650	500	DZW120A	2500	-	-
	600	600	780	725	685	28-5	20-Φ30	183	600	DZW250A	2500	-	-
	700	660	895	840	800	30-5	24-Φ30	2120	700	DZW305A	3500	-	-
1.6	800	730	1010	950	905	32-5	24-Φ34	2420	800	DZW500A	5000	-	-
	900	800	1110	1050	1005	34-5	28-Φ34	2750	850	DZW800	8000	-	-
	1000	850	1220	1160	1115	34-5	28-Φ34	3130	900	DZW1000	10000	-	-
	15	130	95	65	45	16-2	4-Φ14	170	120	-	-	6.4	5
	20	150	105	75	55	18-2	4-Φ14	190	140	-	-	6.4	8
	25	160	115	85	65	18-2	4-Φ14	205	160	-	-	6.4	11
	32	180	140	100	78	18-2	4-Φ18	270	180	-	-	6.4	13
	40	200	150	110	85	18-3	4-Φ18	290	200	DZW10A	100	6.4	15
	50	250	165	125	100	18-3	4-Φ18	310	240	DZW10A	100	9.5	21
	65	265/270	185	145	120	18-3	8-Φ18	373	240	DZW15A	150	11	28
	80	280	200	160	135	20-3	8-Φ18	435	280	DZW20A	200	11.5	35
	100	300	220	180	155	20-3	8-Φ18	445	300	DZW20A	200	12.5	45
	125	325	250	210	185	22-3	8-Φ18	570	320	DZW30A	300	13	65
	150	350	285	240	210	22-3	8-Φ22	630	360	DZW30A	300	13.5	80
	200	400	340	295	265	24-3	12-Φ22	735	400	DZW30A	300	15	146
	250	450	405	355	320	26-3	12-Φ26	969	450	DZW45A	450	16	215
	300	500	460	410	375	28-4	12-Φ26	976	580	DZW60A	600	18	308
	350	550	520	470	435	30-4	16-Φ26	1120	640	DZW90	900	19	400
	400	600	580	525	485	32-4	16-Φ30	1452	640	DZW120	1200	21	452
	450	650	640	585	545	40-4	20-Φ30	1541	720	DZW180	1800	21.5	726
	500	700	715	650	608	44-4	20-Φ33	1880	720	DZW250	2500	22	995
	600	800	840	770	718	54-5	20-Φ36	1874	800	DZW250	2500	25	1370
	700	900	910	840	788	42-5	24-Φ36	2083	800	DZW350	3500	27	1650
	800	1000	1025	950	898	42-5	24-Φ39	2400	850	DZW500	5000	30	2100
	900	1100	1125	1050	998	44-5	28-Φ39	2950	1000	DZW800	8000	30	3120
	1000	1200	1255	1170	1110	46-5	28-Φ42	3245	1000	DZW1000	10000	30	3950

GB FLANGE GATE VALVE

Main external and connection dimension

HG/T 20592

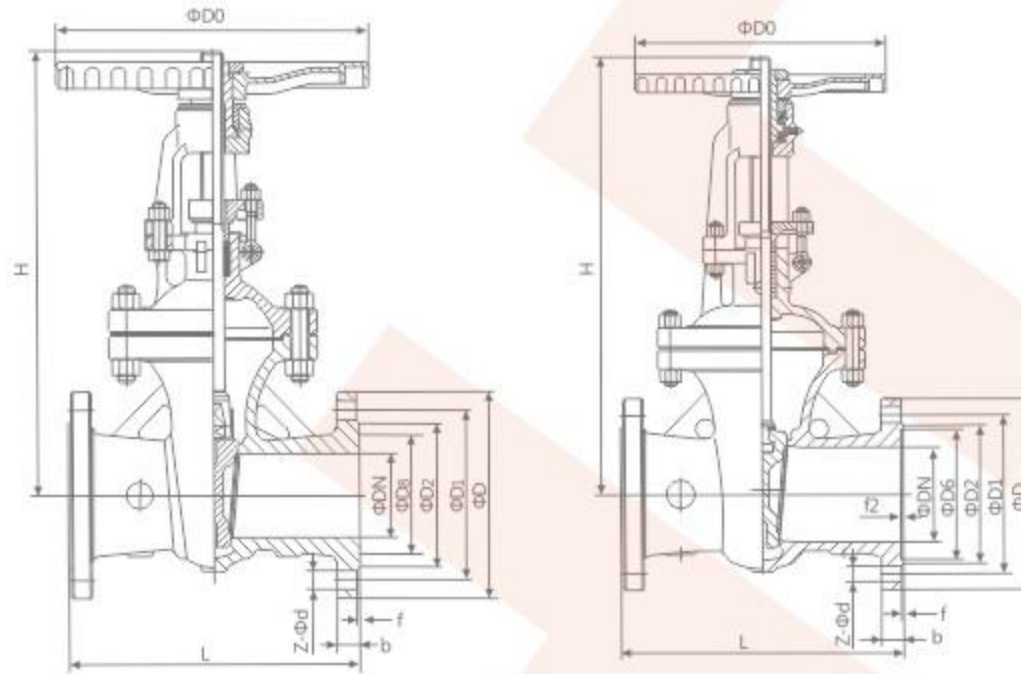
PN(MPa)	DN(mm)	Size(mm)								Electric device model	Nominal torqueNm	Wall thickness	Weight (Kg)
		L	D	D1	D2	b-f	Z-Φd	H	D0				
2.5	15	130	95	65	45	16-2	4-Φ14	170	120	-	-	6.4	5
	20	150	105	75	55	18-2	4-Φ14	190	140	-	-	6.4	8
	25	160	115	85	65	18-2	4-Φ14	205	160	-	-	6.4	11
	32	180	140	100	78	18-2	4-Φ18	270	180	-	-	6.4	13
	40	200	150	110	85	18-3	4-Φ18	310	200	DZW10A	100	6.4	15
	50	250	165	125	100	20-3	4-Φ18	358	240	DZW10A	100	9.5	21
	65	265/270	185	145	120	22-3	8-Φ18	373	240	DZW15A	150	11	30
	80	280	200	160	135	24-3	8-Φ18	435	280	DZW20A	200	11.5	37
	100	300	235	190	160	24-3	8-Φ22	500	300	DZW20A	200	12.5	49
	125	325	270	220	188	26-3	8-Φ26	614	320	DZW30A	300	13	68
	150	350	300	250	218	28-3	8-Φ26	674	360	DZW30A	300	13.5	88
	200	400	360	310	278	30-3	12-Φ26	811	400	DZW30A	300	15	161
	250	450	425	370	332	32-3	12-Φ30	969	450	DZW45A	450	16	236
	300	500	485	430	390	34-4	16-Φ30	1145	580	DZW60A	600	18	342
	350	550	555	490	448	38-4	16-Φ33	1280	640	DZW90	900	19	438
	400	600	620	550	505	40-4	16-Φ36	1452	640	DZW120	1200	21	486
	450	650	670	600	555	46-4	20-Φ36	1541	720	DZW180	1800	21.5	763
	500	700	730	660	610	48-4	20-Φ36	1676	720	DZW250	2500	22	1080
	600	800	845	770	718	58-5	20-Φ39	1874	800	DZW250	2500	25	1470
	700	900	960	875	815	50-5	24-Φ42	2083	800	DZW350	3500	27	1750
	800	1000	1085	990	930	54-5	24-Φ48	2400	950	DZW500	5000	30	2250
	900	1100	1185	1090	1025	58-5	28-Φ48	2950	1000	DZW800	8000	30	3270
	1000	1200	1320	1210	1140	62-5	28-Φ55	3245	1000	DZW1000	10000	30	4100

Main external and connection dimension

HG/T 20592

PN(MPa)	DN(mm)	Size(mm)								Electric device model	Nominal torqueNm	Wall thickness	Weight (Kg)
		L	D	D1	D2	b-f	Z-Φd	H	D0				
4.0	15	130	95	65	45	40	16-2	4	4-Φ14	135	120	-	5
	20	150	105	75	55	51	18-2	4	4-Φ14	190	140	-	8
	25	160	115	85	65	58	18-2	4	4-Φ14	205	160	-	11
	32	180	140	100	78	66	18-2	4	4-Φ18	270	180	-	13
	40	200	150	110	85	76	18-3	4	4-Φ18	310	200	DZW10A	15
	50	250	165	125	100	88	20-3	4	4-Φ18	371	280	DZW10A	23
	65	280	185	145	120	110	22-3	4	8-Φ18	391	280	DZW15A	32
	80	310	200	160	135	121	24-3	4	8-Φ18	455	320	DZW20A	41
	100	350	235	190	160	150	24-3	4.5	8-Φ22	551	360	DZW20A	52
	125	400	270	220	188	176	26-3	4.5	8-Φ26	628	400	DZW20A	75
	150	450	300	250	218	204	28-3	4.5	8-Φ26	708	400	DZW30A	99
	200	550	375	320	282	260	34-3	4.5	12-Φ30	885	450	DZW45A	185
	250	650	450	385	345	313	38-3	4.5	12-Φ33	906	560	DZW60A	390
	300	750	515	450	408	364	42-4	4.5	16-Φ33	1203	640	DZW90	417
	350	850	580	510	465	422	46-4	5	16-Φ36	1341	640	DZW120	495
	400	950	660	585	535	474	50-4	5	16-Φ39	1492	720	DZW180	715
	500	1150	755	670	612	576	57-4	5	20-Φ42	1627	-	DZW250	1773
	600	1350	890	795	730	678	72-5	6	20-Φ48	1925	-	DZW350	2370
	700	1450	-	900	835	768	-	6	-	2310	-	DZW500	2640
	800	1650	-	1030	960	876	-	6	-	2600	-	DZW800	3239
6.3	15	170	105	75	55	40	20-2	4	4-Φ14	140	100	-	10
	20	190	130	90	68	51	22-2	4	4-Φ18	140	100	-	12
	25	210	140	100	78	58	24-2	4	4-Φ18	215	180	-	16
	32	230	155	110	82	66	26-2	4	4-Φ22	270	180	-	20
	40	240	170	125	95	76	28-3	4	4-Φ22	345	200	DZW10A	25
	50	250	180	135	105	88	26-3	4	4-Φ22	470	200	DZW15A	36
	65	280	205	160	130	110	26-3	4	8-Φ22	520	250	DZW20A	41
	80	310	215	170	140	121	28-3	4.5	8-Φ22	570	300	DZW20A	48
	100	350	250	200	168	150	30-3	4.5	8-Φ26	700	300	DZW30A	76
	125	400	295	240	202	176	34-3	4.5	8-Φ30	780	350	DZW30A	89
	150	450	345	280	240	204	36-3	4.5	8-Φ33	850	350	DZW45A	140
	200	550	415	345	300	260	42-3	4.5	12-Φ36	1035	400	DZW60A	208
	250	650	470	400	352	313	46-3	4.5	12-Φ36	1050	560	DZW90	492
	300	750	530	460	412	364	52-4	4.5	16-Φ36	1470	640	DZW120	703
	350	850	600	525	475	422	56-4	5	16-Φ39	1718	700	DZW180	945
	400	950	670	585	525	474	60-4	5	16-Φ42	1885	750	DZW250	1250
	500	1150	-	705	640	576	-	5	-	2410	850	DZW350	2088
	600	1350	-	820	750	678	-	6	-	2895	1000	DZW500	2850

GB FLANGE GATE VALVE

Z41H-100C//P/R
W 100
Y 160
250

Main external and connection dimension

HG/T 20592

PN(MPa)	DN(mm)	Size(mm)									Electric device model	Nominal torqueNm	Wall thickness	Weight (Kg)	
		L	D	D1	D2	b-f	Z-Φd	H	D0						
10.0	15	170	105	75	55	35	40	20	4-Φ14	140	120	-	-	7.9	10
	20	190	130	90	68	45	51	22	4-Φ18	140	120	-	-	7.9	12
	25	210	140	100	78	50	58	24	4-Φ18	310	200	-	-	7.9	16
	32	230	155	110	82	65	66	26	4-Φ22	320	220	-	-	8.6	21
	40	240	170	125	95	75	76	28	4-Φ22	360	240	DZW15A	150	9.4	26
	50	250	190	145	112	85	88	30	4-Φ26	490	360	DZW20A	200	13	42
	65	280	220	170	138	110	110	34	8-Φ26	540	400	DZW20A	200	15	49
	80	310	230	180	148	115	121	36	8-Φ26	572	400	DZW30A	300	18	80
	100	350	265	210	172	145	150	40	8-Φ30	573	400	DZW45A	450	20	95
	125	400	315	250	210	175	176	40	8-Φ33	744	560	DZW60A	600	22	126
	150	450	355	290	250	205	204	44	12-Φ33	800	560	DZW90	900	28	192
	200	550	430	360	312	265	260	52	12-Φ36	800	560	DZW120	1200	30	260
	250	650	505	430	382	320	313	60	12-Φ39	1050	640	DZW180	1800	32	595
	300	750	585	500	442	375	364	68	16-Φ42	1200	720	DZW250	2500	35	810
	350	850	655	560	498	420	422	74	16-Φ48	1430	800	DZW350	3500	40	1310
	400	950	715	620	558	480	474	78	16-Φ48	1743	850	DZW500	5000	43	1668
500	1150	-	724	635	584	576	-	-	2055	900	DZW800	8000	50	2910	
16.0	15	170	105	75	52	35	40	20	4-Φ14	230	200	-	-	12.7	12
	20	190	130	90	62	45	51	24	4-Φ18	260	200	-	-	12.7	16
	25	210	140	100	72	50	58	24	4-Φ18	280	280	-	-	12.7	18
	32	230	155	115	85	65	66	28	4-Φ22	312	320	-	-	14.2	28
	40	260	170	125	92	75	76	28	4-Φ22	350	320	DZW15A	150	18	31
	50	300	195	165	132	95	88	30	4-Φ26	512	360	DZW20A	200	19	62
	65	340	220	190	152	110	110	34	8-Φ26	560	360	DZW30A	300	22	75
	80	390	230	205	168	130	121	36	8-Φ26	585	400	DZW30A	450	23	141
	100	450	265	240	200	160	150	40	8-Φ30	631	450	DZW45A	600	26	185
	125	525	315	285	238	190	176	44	8-Φ33	723	560	DZW60A	900	30	320
	150	600	355	318	270	205	204	50	12-Φ33	820	640	DZW90	1200	35	428
	200	750	430	400	345	275	260	60	12-Φ36	990	720	DZW120	1800	40	755
	250	838	515	485	425	330	313	68	12-Φ42	1120	800	DZW180	2500	42	1156
	300	965	585	570	510	380	364	78	12-Φ42	1300	850	DZW250	1500	48	1670

API GATE VALVES

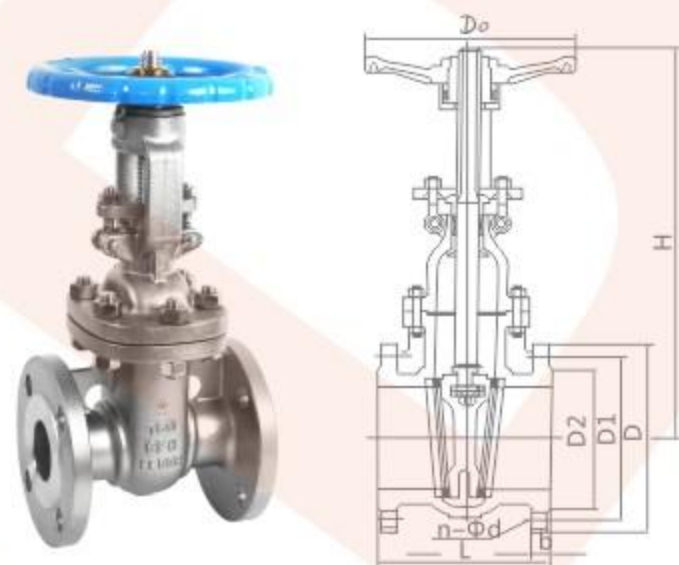
Z41^W_H^F-150Lb

1. Product Overview:

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

2. Structural features:

1. The product design and manufacturing meet the requirements of advanced foreign standards, with reliable sealing and excellent performance.
2. The structural design is compact and reasonable, with a beautiful appearance.
3. Adopting a wedge type elastic gate structure and equipped with rolling bearings for medium and large diameters, it is easy to open and close.
4. The valve body material variety is complete, and the packing and gasket are reasonably selected according to actual working conditions or user requirements, which can be suitable for various pressure, temperature, and medium working conditions.
5. Adopting various domestic and foreign piping flange standards and flange sealing surface types to meet various engineering needs and user requirements.



Main parts and materials

Name	Material								
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	Aluminium Bronze								
Packing	PTFE				Graphite				
Gasket	PTFE				Graphite				
Gland	CF8	CF3	CF8M	CF3M	WCB	LCB	WC6	WC9	C5
Bolt	Stainless Steel				35CrMoA				
Nut	Stainless Steel				45、35CrMoA				
Hadwheel	Cast Steel								

Main external and connection dimension

Class(150Lb)

inch	Size(mm)								
	DN	L	D	D1	D2	b	Z-Φd	H	D0
1/2"	15	108	89	60.5	35	12	4-Φ15	155	120
3/4"	20	117	98	70	43	12	4-Φ15	160	120
1"	25	127	108	79.5	51	12	4-Φ15	200	140
1 1/2"	32	140	117	89	64	13	4-Φ15	245	160
2"	40	165	127	98.5	73	15	4-Φ15	285	180
2 1/2"	50	178	152	120.5	92	16	4-Φ19	315	200
3"	65	190	178	139.5	105	18	4-Φ19	375	220
4"	80	203	190	152.5	127	19	4-Φ19	400	240
5"	100	229	229	190.5	157	24	8-Φ19	460	280
6"	125	254	254	216	186	24	8-Φ22	540	300
8"	150	267	279	241.5	216	26	8-Φ22	620	320
10"	200	292	343	298.5	270	29	8-Φ22	800	400
12"	250	330	406	362	324	31	12-Φ25	850	450
14"	300	356	483	432	381	32	12-Φ25	1000	500
16"	350	381	533	476	413	35	12-Φ29	1300	600
18"	400	406	597	540	470	37	16-Φ29	1400	600
20"	450	432	635	578	533	40	16-Φ32	1600	650
24"	500	457	398	635	584	43	20-Φ32	1850	650
24"	600	508	813	749.5	692	48	20-Φ35	2200	700

API GATE VALVES

Class(300Lb)

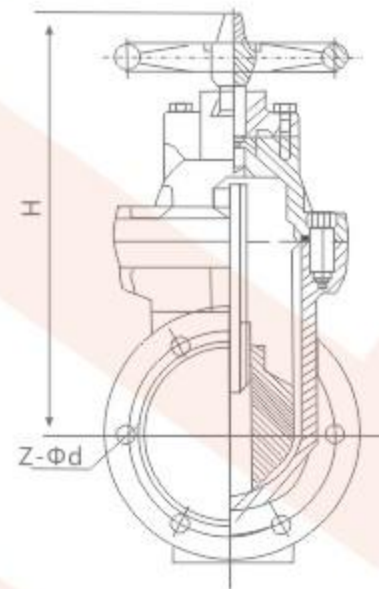
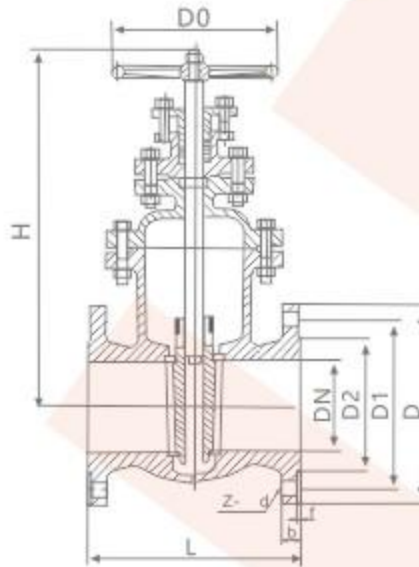
inch	Size(mm)								
	DN	L	D	D1	D2	B	Z-Φd	H	H
1/2"	15	140	95	66.5	35	15	4-Φ15	155	120
3/4"	20	152	117	82.5	43	16	4-Φ19	160	120
1"	25	165	124	89	51	18	4-Φ19	200	140
1 1/4"	32	178	133	98.5	64	19	4-Φ19	250	160
1 1/2"	40	190	156	114.5	73	21	4-Φ22	290	180
2"	50	216	165	127	92	22	8-Φ19	330	200
2"	65	241	190	149	105	25	8-Φ22	385	220
3"	80	283	210	168.5	127	29	8-Φ22	410	240
4"	100	305	254	200	157	32	8-Φ22	480	280
5"	125	381	279	235	186	35	8-Φ22	630	300
6"	150	403	318	270	216	37	12-Φ22	690	320
8"	200	419	381	330	270	41	12-Φ25	830	400
10"	250	457	445	387.5	324	48	16-Φ29	1003	450
12"	300	502	521	451	381	51	16-Φ32	1137	500
14"	350	762	584	514.5	413	54	20-Φ32	1489	600
16"	400	838	648	571.5	470	57	20-Φ35	1581	600
18"	450	914	711	628.5	533	60	24-Φ35	2017	650
20"	500	991	775	686	584	64	24-Φ35	2228	650
24"	600	1143	914	813	692	70	24-Φ41	2650	700

Class(600Lb)

inch	Size(mm)								
	DN	L	D	D1	D2	B	Z-Φd	H	H
1/2"	15	165	95	66.5	35	15	4-Φ15	155	155
3/4"	20	190	118	82.5	43	16	4-Φ19	160	160
1"	25	216	124	89	51	18	4-Φ19	200	200
1 1/4"	32	229	133	98.5	64	21	4-Φ19	250	250
1 1/2"	40	241	156	114.5	73	23	4-Φ22	290	290
2"	50	292	165	127	92	26	8-Φ19	350	350
2"	65	330	190	149	105	29	8-Φ22	430	430
3"	80	356	210	168	127	32	8-Φ22	470	470
4"	100	432	273	216	157	38	8-Φ25	570	570
5"	125	508	330	266.5	186	45	8-Φ29	700	700
6"	150	559	356	292	216	48	12-Φ29	750	750
8"	200	660	419	349	270	56	12-Φ32	830	830
10"	250	787	508	432	324	64	16-Φ35	1210	1210
12"	300	838	559	489	381	67	20-Φ35	1350	1350
14"	350	889	603	527	413	70	20-Φ38	1600	1600
16"	400	991	686	603	470	77	20-Φ41	1800	1800
18"	450	1092	743	654	533	83	20-Φ44	2110	2110
20"	500	1194	813	724	584	89	24-Φ22	2350	2350
24"	600	1397	940	838	692	102	24-Φ52	2900	2900

DARK BAR VALVE

Z45/445/545/645/945H/W/Y



Product Introduction

Non rising stainless steel gate valve, replacing traditional cast iron valve, has a compact structure, reasonable design, good valve rigidity, smooth channel, large flow coefficient, small flow resistance coefficient, simple structure, and easy maintenance. The model is Z45H-10C, Z45W-16P, Z45W-25R. Its sealing surface is made of stainless steel and hard alloy, with a long service life. Adopting flexible graphite filler, reliable sealing, and easy and flexible operation. Refers to A valve that moves vertically along the centerline of a passage with a closing element (gate). Gate valves are mainly used for cutting off in pipelines. Flexible and reliable operation, excellent sealing performance.

Product Features

1. Compact structure, reasonable design, good valve rigidity, smooth channel, and low flow resistance coefficient;
2. The sealing surface is made of stainless steel and hard alloy, with a long service life;
3. Adopting flexible graphite filler, reliable sealing, and easy and flexible operation;
4. Drive form: manual, electric, gear transmission;
5. Structural form: elastic wedge single gate, rigid wedge single gate, and double gate types;
6. It is widely used in petrochemical industry, fossil-fuel power station and other oil products, as well as in the steam pipeline as a hoist to connect or cut off the medium in the pipeline.

Main component materials

Name	Material Science
Valve body	Stainless steel, gray cast iron, cast steel
Ram	Stainless steel coated with EPDM or nitrile rubber
Hexagon socket bolt	Carbonization treatment
Seal ring	Nitrile rubber
Valve cover	Stainless steel, gray cast iron, cast steel
Valve stem	stainless steel
O-ring seal	Nitrile rubber
Thrust bearing	Tin bronze
Bolt	stainless steel
Gland	Stainless steel, cast steel
Dust cover	Nitrile rubber
Handwheel (transmission cap)	cast iron

Main technical parameters

Name	1.0 ~ 2.5MPa
Valve body	0 ~ 80°C
Ram	GB/T 17241.6 GB9113
Hexagon socket bolt	50 ~ 600mm
Seal ring	Water, oil, gas, etc
Valve cover	GB13927 Ap1598

DARK BAR VALVE**Z45H/W/Y Main dimensions**

DN(mm)	L	D	D1	D2	b-f	z-Φd	H	Do
PN10								
15	130	95	65	45	12-2	4-Φ14	150	120
20	150	105	75	55	14-2	4-Φ14	165	120
25	160	115	85	65	14-2	4-Φ14	180	140
32	180	135	100	78	16-2	4-Φ18	230	160
40	165	145	110	85	18-3	4-Φ18	260	180
50	180	160	125	100	18-3	4-Φ18	315	180
65	195	180	145	120	20-3	4-Φ18	335	220
80	210	195	160	135	20-3	4-Φ18	370	240
100	230	215	180	155	22-3	8-Φ18	410	240
125	255	245	210	185	24-3	8-Φ18	465	280
150	280	280	240	210	24-3	8-Φ23	505	300
200	330	335	295	265	24-3	8-Φ23	606	350
250	380	390	350	320	26-3	12-Φ23	705	400
300	420	440	400	368	26-3	12-Φ23	820	400
350	450	500	460	428	26-3	16-Φ23	930	450
400	480	565	515	482	26-3	16-Φ26	1030	450
450	510	615	565	532	28-3	20-Φ26	1150	500
500	540	670	650	585	28-3	20-Φ26	1260	550
600	600	780	725	685	34-3	20-Φ30	1380	600
PN 16								
15	130	95	65	45	14-2	4-Φ14	150	120
20	150	105	75	55	14-2	4-Φ14	165	120
25	160	115	85	65	14-2	4-Φ14	180	140
32	180	135	100	78	16-2	4-Φ18	230	160
40	200	145	110	85	16-3	4-Φ18	260	180
50	250	160	125	100	16-3	4-Φ18	315	240
65	265/270	180	145	120	18-3	4-Φ18	335	240
80	280	195	160	135	20-3	8-Φ18	370	280
100	300	215	180	155	20-3	8-Φ18	410	300
125	325	245	210	185	22-3	8-Φ18	465	320
150	350	280	240	210	24-3	8-Φ23	505	350
200	400	335	295	265	26-3	12-Φ23	606	400
250	450	405	355	320	30-3	12-Φ26	705	450
300	500	460	410	375	30-4	12-Φ26	820	500
350	550	520	470	435	34-4	16-Φ26	930	550
400	600	580	525	485	36-4	16-Φ30	1030	550
450	650	640	585	545	40-4	20-Φ30	1150	600
500	700	705	650	608	44-4	20-Φ34	1260	700
600	800	840	770	718	48-4	20-Φ41	1380	800
PN 25								
15	130	95	65	45	16-2	4-Φ14	150	120
20	150	105	75	55	16-2	4-Φ14	165	120
25	160	115	85	65	16-2	4-Φ14	180	140
32	180	135	100	78	18-2	4-Φ18	230	160
40	200	145	110	85	18-3	4-Φ18	260	180
50	250	160	125	100	20-3	4-Φ18	315	240
65	265/270	180	145	120	22-3	8-Φ18	335	240
80	280	195	160	135	22-3	8-Φ18	370	280
100	300	230	190	160	24-3	8-Φ23	410	300
125	325	270	220	188	28-3	8-Φ26	465	320
150	350	300	250	218	30-3	8-Φ26	550	350
200	400	360	310	278	34-3	12-Φ26	606	400
250	450	425	370	332	36-3	12-Φ30	705	450
300	500	485	430	390	40-4	16-Φ30	820	500
350	550	550	490	448	44-4	16-Φ34	930	550
400	600	610	550	505	48-4	16-Φ36	1030	550
450	650	660	600	555	50-4	20-Φ36	1150	600
500	700	730	660	610	52-4	20-Φ41	1260	700
600	800	840	770	718	56-5	20-Φ41	1380	800