

KHV Flowcontrol

Integrated Supplier of Technical Service & Manufacture for Severe Service Valve



KHV Leading Products 6



上海开维喜阀门集团
KHV VALVE GROUP



KHV-PZ Series KHV Slab Gate Valve

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KHV-PZ Series Slab Gate Valve

KHV-PZ series Slab Gate Valve is a kind of high performance gate valve which KHV Flowcontrol designed for industrial areas like petroleum and gas pipeline, refined oil pipeline, storage device, petroleum and gas mining well-head device, its media with suspended particles, urban gas pipeline and water supply engineering.

KHV-PZ series Slab Gate Valve, KHV has a set of mature design and process technology. Except for the conventional structure design, KHV Flowcontrol can produce according to customer's requirements or combine the special media or working condition, the dimensions can be manufactured are 1/2" to 60", and the pressure is from class 150# to 2500#.



Group Logo



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KHV-PZ Series Slab Gate Valve Technical Description

1. 1 Design Standard

- 1.1.1 Design and manufacture are in accordance with JB/T5298 and API 6D specifications
- 1.1.2 The valve inspection is in accordance with GB 13927 and API 598 specifications.
- 1.1.3 The dimension of flange connection is according to GB/T9113, JB81/83 and ASME B16.5, B16.47 specifications.
- 1.1.4 The face-to-face dimension is according to GB 12221 basic series 13 and ASME B16.10 specifications.
- 1.1.5 The valve operation temperature is -46 to 250 , please contact KHV Flowcontrol immediately if the temperature exceeds.

1.2 Performance Features

1.2.1 The valve uses O-ring seal and adopts floating seat with preloading applying structure, making the valve bi-directional seal. The opening and closing force of this structure is just 1/2 of normal valve, so opening and closing are much easier.

1.2.2 Metal to metal seat, with grease injection structure outside the valve, the grease gets into the valve sealing surface through injector, making the valve leak-free.

1.2.3 The seat with PTFE insert, with the function of both PTFE and metal to metal seated, and PTFE sealing surface can clear the dirt on the disc.

1.2.4 The disc and seat are both sealing through special process, hard alloy and PTFE spray coating. And dual protection with injecting grease auxiliary seal makes the seal more reliable and service life longer.

1.2.5 With through conduit gate valves, either on fully open or fully close position, the disc always fits the seat sealing surface. The sealing surface is protected from the media corrosion, so as to extend the service life.

1.2.6 Fully enclosed structure, with good protective performance, can meet the all-weather requirements. When the valve in fully open position, the channel is in smoothly straight line, flow resistance coefficient is low, and there is no pressure loss. The pipeline can be cleaned with pigging. When the valve in fully close position, the high pressure in inner cavity can be relieved automatically, assuring the safety.

1.2.7 This valve uses the packing structure with self-sealing, without frequent adjustment. The opening and closing is very easy and convenient, and the seal is reliable. The sealing performance is absolutely reliable with auxiliary sealing injecting grease structure in the packing gland. It has resolved the disadvantage of outside leakage through packing, and achieve zero leakage.



1.3 Materials of Major Parts

Part Name	Material	Notes
Body, bonnet, yoke	WCB, LCB, LCC	Welding structure, casting
Disc	Carbon steel, SS	Nitriding and Electroless Nickel Plating
Stem	A182 F6, 17-4PH	
Seat sealing surface	Metal to metal seated insert RPTFE	Nitriding and Electroless Nickel Plating
O-ring, delta-ring seal	Viton	
Packing	PTFE and flexible graphite	
Bolts (nuts)	A193 B7/2H, A320 L7/A194 7	

KHV-PZ Series Slab Gate Valve Type Arrangement

PB K LZ 4 7 3 W Y - 300 P
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ — ⑨ ⑩

① Series Code	Code of KHV slab gate valves series: PZ
② Special requirement code	K – NACE standard and standard products omit this code.
③ Valve type code	Z – Gate valve code; LZ – Modulating Slab Gate Valve code; V1Z – Non-rising stem Slab Gate Valve; V2Z – Buried Slab Gate Valve
④ Drive mode code	4 – Spur Gear, 5 – Bevel gear, Q6 – Pneumatic actuator code, Q6S – Pneumatic with manual, 7 – Hydraulic, 9 – Electric, 9B – Explosion-proof electric and handwheel drive omit this code
⑤ Connecting type code	4 – Flange connection, 6 – Butt-weld connection
⑥ Structure type code	3 – Rising stem parallel single disc, 4 – Parallel dual disc, 7 – Non-rising stem structure disc
⑦ Construction characteristic code	W – Without through conduit gate valves (with through conduit gate valves omit this code), P -- Light
⑧ Material code of sealing surface	Y – Hard alloy, H – Alloy steel, D – Nitride steel, F – RPTFE
⑨ Pressure class code	API PN code shows in nominal pressure lb, GB/JB shows in 10 times of PN
⑩ Body material code	C – Carbon steel, P – Stainless steel, P1 – Low-carbon stainless steel, P2 – Duplex stainless steel

Slab gate valves Material Specification

Part Name	Standard Service Condition		Low-temperature Service Condition	
	GB Material	American Standard Material	GB Material	American Standard Material
Body, bonnet	WCB	A216WCB,WCC	LCB,LCC	A352LCB,LCC
Stem	Stainless Steel		Low-temperature resistant carbon steel, stainless steel	
Seat	High grade carbon steel, stainless steel		Low-temperature resistant carbon steel, stainless steel	
Disc	High grade carbon steel, stainless steel		Low-temperature resistant carbon steel, stainless steel	
Packing	NBR/VITON + PTFE + Flexible graphite		BN18 + PTFE + Flexible Graphite	
Stem nut	ZcuZn38Mn2pb2 or ZcuA110Fe3			
Sealing surface	PTFE + Metal Seal (overlying hard alloy)			
Top coating	ENP or GDN			
Spring	Stainless steel, Alloy			
Sealing ring	NBR/FKM (VITON)	NBR/FKM (VITON)	BN 18 (VITON)	BN 18 (VITON)
Bolt	45/35CrMo	A193 B7, B7M	35CrMoA	A320 L7, L7B, L7C
Nut	35/30CrMo	A194 2H, A194 2H M	45	A194 2H, A194 2HM

→The medium contained sulfur, the valves material can use conform with NACE MR-0175.
 →The most suitable material of the valve will be chosen according to different working conditions by KHV Valve Group technical team.

API 6D Products Test Specifications

Pressure Class	Room Temperature Test Pressure				Applicable Temperature Range(°C)		
	Hydraulic Shell	Hydraulic Seal	High/low Pressure upper seal	Gas seal			
150	2.9	2.1	2.1/6	0.6	-29~250	-46~121	-29~121
300	7.6	5.5	5.5/6	0.6			
400	10.0	7.3	7.3/6	0.6			
600	15.0	11.0	11.0/6	0.6			
900	22.4	16.6	16.6/6	0.6			
1500	37.2	27.6	27.6/6	0.6			
2500	62.1	45.5	41.4/6	0.6			

Slab Gate Valves Main Standards

	Chinese Standards	American Standards
1	JB/T 5298 Pipeline Steel Slab gate valves	API SPEC 6D Pipeline Valve
2	JB/T7928 General Valve Supply Requirements	ANSI/ASME B16.34 Valves with Flange, Thread and Connector
3	JB/T 6899 Fire Resistance Test of Valves	API 6FA Valve Fire Resistance Test
4	JB/T 9092 Valves Inspection and Test	API Std 598 Valve Inspection and Test
5	GB 150 Steel Pressure Vessel	ASME Boiler and Pressure Vessel Code
6	GB/T 12229 Carbon Steel Casting Technical Conditions of General Valves	ASTM A216 Suitable for Fusion Welding Standard Specification of Carbon Steel Casting for High Temperature Service
7	JB/T 7248 Low-temperature Steel Casting Technical Conditions of General Valves	ASTM A352 Standard Specification for steel castings, Ferritic and Martensitic, for Pressure-containing Parts, Suitable for Low-Temperature Service
8	GB/T13927-1992 General Valves Pressure Test	ASTM A182 Standard Specification for Forged and Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-temperature Service
9	GB/T12225 Copper Alloy Casting Technical Conditions of General Valves	API SPEC 6A Specification for Well-head and Christmas Tree Equipment
10	GB/T 12221 Face to face Dimension of Flange Connecting Metal Valve	ASME /ANSI B16.10 Valve Face to Face Dimension
11	GB/T 12228 Carbon Steel Forging Technical Conditions of General Valves	ASME/ANSI B16.5 Pipe Flange and Flanged Fittings
12	Q/CF 1302 Flange and Butt weld Connecting Steel Slab gate valves	ASME/ANSI B16.47 Large Diameter Steel Pipe Flanges
13	GB/T 12228 Carbon Steel Forging Technical Conditions of General Valves	MSS SP-44 Steel Pipe Flanges

Flange Standard			
	Valve Flange	Pipe Flange	
Raised Face	JB/T79.1 (PN1.6/2.5MPa)	JB/T81, JB/T82.1 (RF)	ANSI B16.5(DN≤24 ") MSS SP-44 (DN=22 ") ANSI B16.47(DN≥26 ")
Female Face	JB/T79.2 (PN4.0-1.0MPa)	JB/T82.2 (M)	
Ring Joint Face	GB/T9113.4 (PN15.0/26.0MPa)	GB/T9115.4	
Raised Face	GB/T9113.1 (PN1.6-10.0MPa)	GB9119 (PN16/25) (Plate Lap-welded) GB/T9115.1 (PN1.6-10.MPa) (hubbed butt-welded)	ANSI B16.5(DN≤24 ") MSSSP-44 (DN=22 ") ANSI B16.47(DN≥26 ")
Female Face	GB/T9113.2 (FF)	GB/T9115.2 (M)	ANSI B16.25 (WE)
Fully Flat, Raised Face, F/M Face, Tongue and groove Face, ring groove	HG20596 (PN1.6/2.5/6.3/10/16/25PMa) (European Standard System)	HG20593(Plate lap-welded) HG20595 (hubbed butt-welded)	ANSI B16.25 (WE)
	HG20618 (PN2.0/5.0/11.0/15/26MPa) (American Standard System)	HG20626 (hubbed lap-welded) HG20617 (hubbed butt-welded)	

KHV Quality Assurance

Spectrum Analyzer



General Chemical and Physical Test (ultrasonic detection test, magnetic particle test, metallographical test, hardness test)



Hydraulic Universal Testing Machine



Impact Testing Machine



Valve Standard Torque Measuring Instrument



Radiographic Inspection Room



High Velocity Oxygen-fuel Spray



Hydraulic Test Device



Cryogenic Test Device



Wear-resistant High Temperature Test Device





API 6D Slab Gate Valve Dimension Table

Pressure Class: 150#

In	DN	L				H1	H2	H3	F1	F2	F3	a x b	D0	D1	N.M	kg			
		ZQ	RS	FM	FJ											ZQ	RS	FM	FJ
1	25	106	127	140	140	200	300	240	45	40	20	82x64	140	▲	40	7	10	12	12
1 1/4	32	106	140	153	153	305	457	366	57	51	25	83x89	140	▲	40	11	17	20	20
1 1/2	40	106	165	178	178	320	480	384	72	64	32	46x100	140	▲	40	18	25	30	30
2	50	108	216	191	191	352	528	422	90	80	40	83x89	250	▲	40	25	42	50	50
2 1/2	65	108	241	204	204	372	558	446	117	104	52	52x120	250	▲	40	45	53	63	63
3	80	114	283	216	216	398	597	477	144	128	64	88x118	250	▲	40	60	60	71	71
4	100	127	305	241	241	518	777	621	180	160	80	92x138	250	▲	50	85	87	105	105
5	125	140	254	267	381	634	951	760	225	200	100	64x170	250	▲	50	98	123	148	148
6	150	140	267	279	403	654	981	784	270	240	120	100x202	350	▲	50	120	150	180	180
8	200	152	292	305	419	788	1182	945	360	320	160	192x234	350	▲	84	200	250	300	300
10	250	165	330	343	457	930	1395	1116	45	40	20	130x302	450	460	120	226	283	340	340
12	300	178	356	368	502	1074	1611	1288	540	480	240	130x300	450	460	160	326	408	490	490
14	350	190	381	394	572	1175	1762	1410	630	560	280	160x340	550	610	222	489	612	735	735
16	400	216	406	419	610	1410	2115	1692	720	640	320	200x350	550	610	280	558	698	838	838
18	450	225	432	445	660	1504	2256	1804	810	720	360	160x500	640	610	343	710	888	1066	1066
20	500	225	457	470	711	1738	2607	2085	900	800	400	200x575	640	720	510	917	1147	1377	1377
24	600	267	508	521	813	2009	3013	2410	1080	960	480	250x560	640	720	850	1236	1545	1855	1855
28	700	292	610	610	914	2197	3295	2636	1260	1120	560	340x680	640	860	1450	1703	2129	2555	2555
32	800	318	711	711	965	2565	3847	3078	1440	1280	640	340x750	640	860	1694	2408	3010	3612	3612
36	900	330	711 ¹⁾	711 ¹⁾	1016	2740	4110	3288	1620	1440	720	400x800	720	860	2304	3312	4141	4970	4970
40	1000	410	1575	1575	1575	2853	4279	3423	1800	1600	800	480x920	720	860	2650	3896	4870	5845	5845
44	1100	470	1625	1625	1625	3092	4638	3710	1980	1760	880	480x950	800	860	3050	4773	5967	7161	7161
48	1200	470	1803	1803	1803	3218	4827	3861	2160	1920	960	485x1050	800	860	3508	5972	7466	8960	8960
56	1400	530	2032	2032	2032	3488	5232	4185	2520	2240	1120	520x1080	800	860	4033	7093	8867	10640	10640
60	1500	600	2032	2032	2032	3780	777	4536	2700	2400	1200	600x1320	800	860	4639	8156	10196	12236	12236

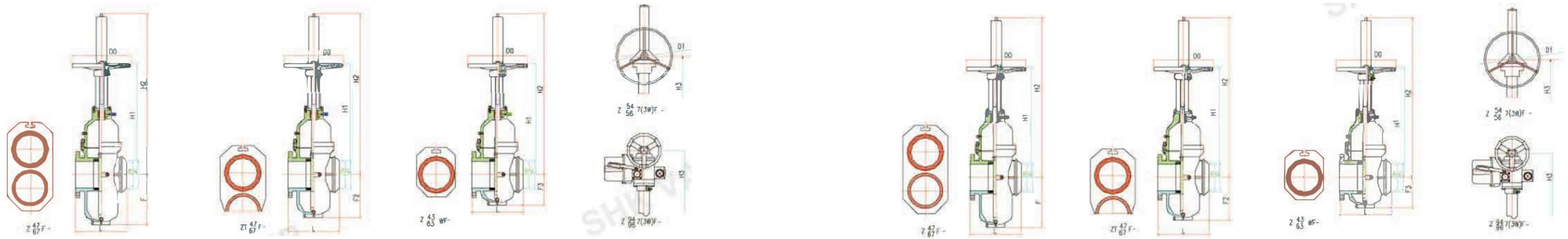
1. ¹⁾ valve full diameter is 650mm
 2. ²⁾ valve full diameter is 800mm
 3. "▲" means manufacturing according to customer's requirements

API 6D Slab Gate Valve Dimension Table

Pressure Class: 150#

In	DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
		RF	RJ	FM										RF	FM	FJ
1	25	165	178	165	277	334	304	45	40	20	140	▲	90	14	15	12
1 1/4	32	178	191	178	284	343	312	57	51	25	140	▲	90	25	25	20
1 1/2	40	190	203	190	409	493	449	72	64	32	140	▲	90	32	34	30
2	50	216	232	216	423	510	465	90	80	40	250	▲	90	55	58	54
2 1/2	65	241	257	241	481	580	529	117	104	52	250	▲	90	60	60	58
3	80	283	298	283	493	595	542	144	128	64	250	▲	90	75	76	70
4	100	305	305	321	577	696	634	180	160	80	250	310	120	145	155	165
5	125	381	381	397	684	825	752	225	200	100	350	310	120	150	160	162
6	150	403	403	419	788	950	866	270	240	120	350	310	130	170	190	200
8	200	419	419	435	891	1074	980	360	320	160	350	450	220	290	330	340
10	250	457	457	473	1044	1258	1148	45	40	20	450	450	310	430	490	515
12	300	502	502	518	1298	1565	1427	540	480	240	450	750	552	625	690	700
14	350	762	762	778	1348	1625	1482	630	560	280	750	850	734	890	1000	1015
16	400	838	838	854	1639	1975	1802	720	640	320	850	850	758	1260	1410	1430
18	450	914	914	930	1743	2100	1917	810	720	360	850	850	1073	1620	1910	1930
20	500	991	991	1010	1950	2350	2145	900	800	400	850	850	1449	2110	2410	2340
24	600	1143	1143	1165	2332	2810	2565	1080	960	480	850	850	2409	3410	3750	3760
28	700	1346	1346	1372	2664	3210	2930	1260	1120	560	850	850	4250	4710	5280	5290
32	800	1524	1524	1553	3004	3620	3304	1440	1280	640	850	850	6006	6690	7420	7430
36	900	1727	1727	1756	3510	4230	3864	1620	1440	720	850	850	7842	9230	10180	10300
40	1000	2083	2085	2083	4101	4942	4511	1800	1600	800	850	850	10210	10470	11980	11980
44	1100	2133	2133	2133	4794	5777	5273	1980	1760	880	850	850	11740	10930	12550	12550
48	1200	2286	2286	2286	5604	6753	6164	2160	1920	960	1000	850	13500	17600	18800	18800
56	1400	2489	2489	2489	6552	7894	7207	2520	2240	1120	1000		17850	21000	22700	22700
60	1500	2489	2489	2489	7659	9228	8424	2700	2400	1200	1000		23620	22700	27400	27400

1. ¹⁾ valve full diameter is 650mm
 2. ²⁾ valve full diameter is 800mm
 3. "▲" means manufacturing according to customer's requirements.



API 6D Slab Gate Valve Dimension Table

Pressure Class: 400#

In	DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N,M	Hq		
		RF	RJ	FM										RF	FM	RJ
1	25	216	216	216	268	346	92	45	40	20	140	▲	120	15	16	18
1 1/4	32	229	229	229	325	350	118	57	51	25	140	▲	120	25	26	30
1 1/2	40	241	241	241	385	493	140	72	64	32	140	▲	120	42	46	46
2	50	292	295	292	424	550	150	90	80	40	250	▲	120	68	74	80
2 1/2	65	330	333	330	472	611	170	117	104	52	250	▲	130	81	89	98
3	80	356	359	356	498	647	219	144	128	64	250	▲	140	89	96	105
4	100	406	410	406	577	696	219	144	128	64	250	▲	150	120	144	160
5	125	457	460	457	684	825	752	225	200	100	350	▲	160	150	216	240
6	150	495	495	460	788	950	866	270	240	120	350	▲	170	200	234	260
8	200	597	597	498	891	1074	980	360	320	160	350	▲	294	400	423	470
10	250	673	673	600	1044	1258	1148	45	40	20	450	310	433	430	576	640
12	300	762	762	676	1298	1565	1427	540	480	240	450	450	552	700	738	820
14	350	826	826	765	1348	1625	1482	630	560	280	750	450	1010	900	1062	1180
16	400	902	902	829	1639	1975	1802	720	640	320	850	750	1170	1100	1422	1580
18	450	978	978	905	1743	2100	1917	810	720	360	850	850	1562	1780	1908	2120
20	500	1054	1054	981	1950	2350	2145	900	800	400	850	850	2094	2100	2295	2550
24	600	1143	1143	1060	2332	2810	2565	1080	960	480	850	850	4292	2900	2853	3170
28	700	1232	1232	1153	2664	3210	2930	1260	1120	560	850	850	5997	3200	2745	4050
32	800	1308	1308	1241	3004	3620	3304	1440	1280	640	850	850	8448	4290	4239	4700
36	900	1397	1397	1321	3510	4230	3864	1620	1440	720	850	850	11550	4500	5202	5700
40	1000	1524	1524	1410	4101	4942	4511	1800	1600	800	850	850	14978	5100	6102	6780
42	1100	1651	1651	1537	4794	5777	5273	1980	1760	880	850	850	19471	6100	6795	7550
48	1200	1778	1778	1667	5604	6753	6164	2160	1920	960	850	850	23965	7830	8532	9480

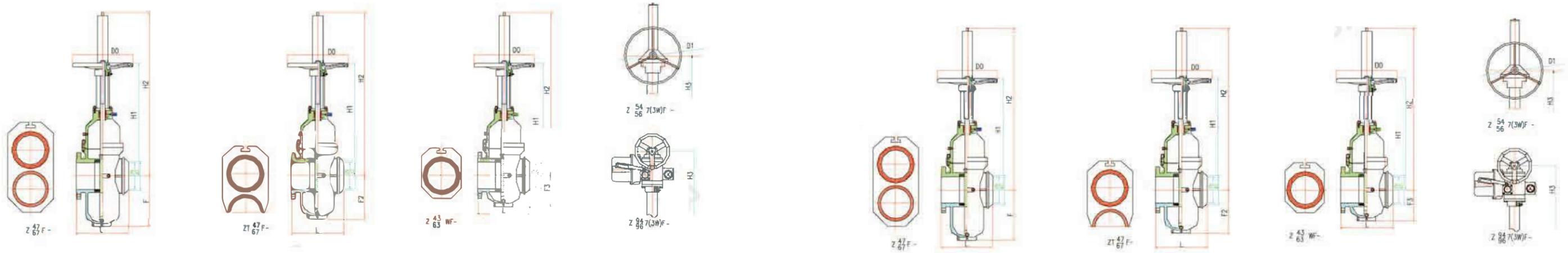
1. Ⓢ valve full diameter is 650mm
 2. Ⓢ valve full diameter is 800mm
 3. "▲" means manufacturing according to customer's requirements.

API 6D Slab Gate Valve Dimension Table

Pressure Class: 600#

In	DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N,M	Hq		
		RF	RJ	FM										RF	FM	RJ
1	25	216	216	216	277	334	304	45	40	20	140	▲	160	16	16	18
1 1/4	32	229	229	229	284	343	312	57	51	25	140	▲	160	26	26	30
1 1/2	40	241	241	241	409	493	449	72	64	32	140	▲	160	46	46	50
2	50	292	292	295	423	510	465	90	80	40	250	▲	160	80	80	85
2 1/2	65	330	330	333	481	580	529	117	104	52	250	▲	160	105	105	115
3	80	356	356	359	493	595	542	144	128	64	250	▲	160	110	110	130
4	100	432	435	432	577	696	634	180	160	80	250	305	200	125	155	165
5	125	508	511	508	684	825	752	225	200	100	350	305	230	190	260	260
6	150	559	562	559	788	950	866	270	240	120	350	305	260	260	308	308
8	200	660	664	660	891	1074	980	360	320	160	350	305	661	380	484	484
10	250	787	791	787	1044	1258	1148	45	40	20	450	305	650	580	750	750
12	300	838	841	838	1298	1565	1427	540	480	240	450	450	828	950	1750	1350
14	350	889	892	889	1348	1625	1482	630	560	280	750	450	1515	1390	1680	1680
16	400	991	994	991	1639	1975	1802	720	640	320	850	640	1916	1650	2015	2015
18	450	1092	1095	1092	1743	2100	1917	810	720	360	850	640	2542	2150	2680	2680
20	500	1194	1120	1194	1950	2350	2145	900	800	400	850	800	4199	2580	2995	2995
24	600	1295	1305	1295	2332	2810	2565	1080	960	480	850	800	7187	3270	3895	3890
28	700	1397	1407	1397	2664	3210	2930	1260	1120	560	850	800	8133	3980	4850	4840
32	800	1448	1461	1448	3004	3620	3304	1440	1280	640	850	800	14663	4990	5685	5680
36	900	1549	1562	1549	3510	4230	3864	1620	1440	720	850	860	19067	6100	6890	6890
40	1000	1651	1664	1651	4101	4942	4511	1800	1600	800	850	860	26540	7190	7995	7990
42	1100	1778	1794	1778	4794	5777	5273	1980	1760	880	850	860	34502	8550	9516	9510
48	1200	1930	1946	1930	5604	6753	6164	2160	1920	960	1000	860	42464	10300	11320	11300

1. Ⓢ valve full diameter is 650mm
 2. Ⓢ valve full diameter is 800mm
 3. "▲" means manufacturing according to customer's requirements.



API 6D Slab Gate Valve Dimension Table

Pressure Class: 900#

N	DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
		RF	RTJ	WE										RF	RTJ	WE
1	25	254	254	254	282	352	299	45	40	20	140	▲	240	40	40	32
1 1/4	32	279	279	279	360	450	382	57	51	25	140	▲	240	50	50	40
1 1/2	40	305	305	305	440	550	467	72	64	32	140	▲	240	80	80	70
2	50	368	371	368	579	725	616	90	80	40	250	▲	240	100	100	88
2 1/2	65	419	422	419	608	760	704	117	104	52	250	▲	240	143	143	130
3	80	381	384	381	634	874	824	144	128	64	250	▲	240	186	186	170
4	100	457	460	457	597	776	656	180	160	80	250	▲	300	218	240	240
5	125	559	562	559	746	969	820	225	200	100	350	305	340	330	342	342
6	150	610	613	610	895	1163	984	270	240	120	350	305	380	421	443	443
8	200	737	740	737	1194	1552	1313	360	320	160	350	305	661	672	707	707
10	250	838	841	838	1492	1939	1641	45	40	20	450	305	973	983	1034	1034
12	300	965	968	965	1791	2328	1970	540	480	240	450	450	1406	1634	1720	1720
14	350	1029	1038	1029	2089	2715	2297	630	560	280	750	450	2476	2353	2480	2476
16	400	1130	1140	1130	2388	3104	2626	720	640	320	850	640	4153	2613	2760	2750
18	450	1219	1232	1219	2686	3491	2954	810	720	360	850	640	5100	3575	3768	3763
20	500	1321	1334	1321	2985	3880	3283	900	800	400	850	800	6670	4331	4560	4559
24	600	1549	1568	1549	3582	4656	3940	1080	960	480	850	800	11916	5642	5939	5939
28	700	1549	1568	1549	4179	5432	4596	1260	1120	560	850	800	13487	6954	7320	7320
32	800	1651	1651	1651	4776	6208	5253	1440	1280	640	850	800	24316	8184	8614	8614
36	900	1905	1905	1905	5373	6984	5910	1620	1440	720	850	860	31454	9840	10358	10358
40	1000	2108	2108	2108	5970	7761	6567	1800	1600	800	850	860	44013	11792	12412	12412

1. ① valve full diameter is 650mm
 2. ② valve full diameter is 800mm
 3. "▲" means manufacturing according to customer's requirements

API 6D Slab Gate Valve Dimension Table

Pressure Class: 1200#

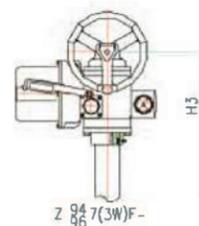
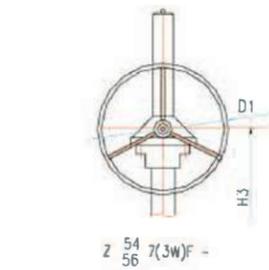
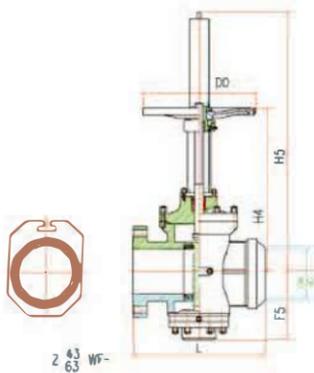
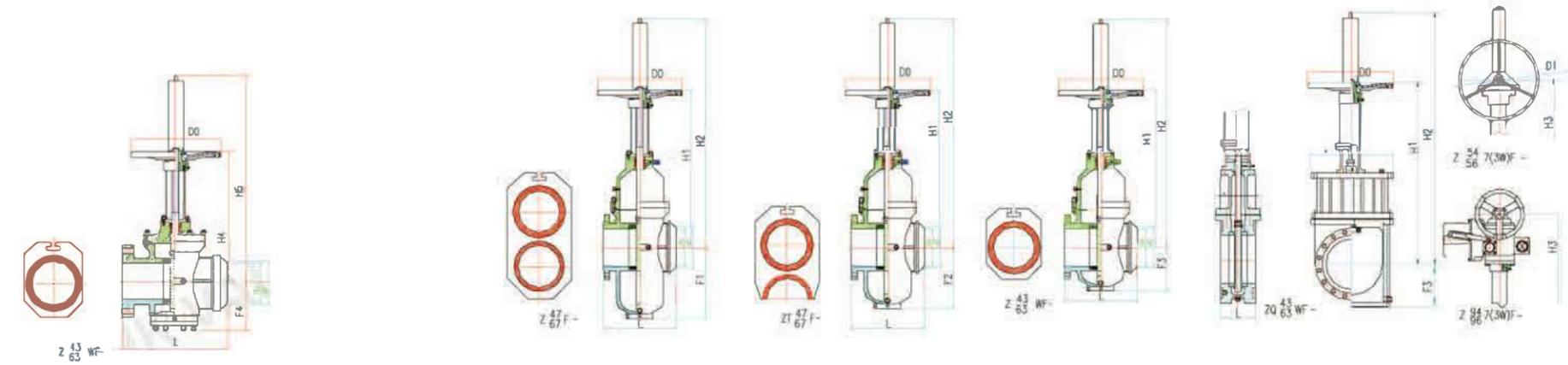
In	DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
		RF	MF	FJ										RF	MF	FJ
1	25	254	254	254	280	230	190	45	40	20	280	▲	380	32	40	40
1 1/4	32	279	279	279	350	300	249	57	51	25	350	▲	380	42	60	60
1 1/2	38	305	305	305	600	450	373	68	60	30	450	▲	380	70	80	80
2	50	368	371	368	725	600	498	90	80	40	560	▲	380	140	170	170
2 1/2	65	419	422	419	760	715	560	117	104	52	640	▲	380	245	278	278
3	80	470	473	470	794	1270	873	144	128	72	360	▲	476	350	383	383
4	100	546	549	546	860	1376	946	180	160	90	450	360	539	432	445	445
5	125	673	676	673	975	1560	1072	225	200	112	450	360	603	620	660	660
6	150	705	711	705	1090	1744	1199	270	240	135	450	360	1049	798	840	840
8	200	832	841	832	1551	2481	1706	360	320	180	860	360	1544	1274	1341	1341
10	250	991	1000	991	1859	2974	2044	450	400	225	860	360	2231	1863	1961	1961
12	300	1130	1146	1130	2159	3454	2374	540	480	270	860	360	3930	3098	3261	3261
14	350	1257	1276	1257	2442	3907	2686	630	560	315	860	360	6592	4461	4696	4696
16	400	1384	1407	1384	2625	4200	2887	720	640	360	860	360	8095	4954	5215	5215
18	450	1537	1559	1537	3036	4857	3339	810	720	405	860	360	10587	6780	7137	7137
20	500	1664	1686	1664	3344	5350	3678	900	800	450	860	360	18914	8213	8646	8646
24	600	1943	1972	1943	3927	6283	4319	1080	960	540	1000	360	21407	13186	13880	13880
28	700	1972	1972	1943	4488	7180	4936	1260	1120	630	1000	360	38596	18660	19642	19642
32	800	1943	1972	1943	4664	7462	5130	1440	1280	720	1000	360	49926	22361	23538	23538

1. ① valve full diameter is 650mm
 2. ② valve full diameter is 800mm
 3. "▲" means manufacturing according to customer's requirements

Class 2500 & API 6A Slab Gate Valve Dimension Table

PN	In	DN	L		H4	H5	H3	F4	F5	D0	D1	N.M	kg	
			SW	RJ									SW	RJ
2000psi (14.0MPa)	2	52	270	295	140	560	440	40	45	250	/	400	40	52
	2 1/2	65	215	333	155	588	462	52	58	250	/	497	51	66
	3	79	346	359	185	697	547	64	72	360	/	560	75	97
	4	103	391	435	235	756	594	80	90	360	/	630	128	166
3000psi (21.0MPa)	6	179	663	663	382	1120	880	160	180	360	305	789	381	495
	8	52	663	663	145	1456	1144	208	234	360	305	893	/	/
	2	65	270	371	155	560	440	40	45	360	/	400	49	63
	2 1/2	79	315	422	190	588	462	52	58	360	/	497	62	80
	3	100	346	435	235	697	547.8	64	72	450	/	560	95	123
	4	130	391	511	295	756	594	80	90	450	/	630	170	221
5000psi (35.0MPa)	5	155	613	613	335	812	638	104	117	450	305	789	435	565
	6	179	613	613	375	868	682	120	135	450	305	893	466	605
	8	52	714	714	145	1736	1364	160	180	560	305	1000	580	754
	2	65	370	371	190	644	506	40	45	360	/	400	49	63
	2 1/2	79	315	422	210	697	547	52	58	450	/	497	63	81
	3	100	346	473	235	728	572	63	71.1	450	/	560	96	124
10000psi (70.0MPa)	4	130	420	549	295	756	594	80	90	450	/	630	255	331
	5	155	727	727	335	847	665	104	117	560	305	789	510	663
	6	179	737	737	375	868	682	124	139	560	305	893	565	734
	8	46	813	813	150	1736	1364	160	180	640	305	1000	718	933
	2	52	464	464	155	644	506	40	45	360	/	497	110	143
	2	65	521	521	175	644	506	52	58	450	/	560	128	166
15000psi (105.0MPa)	3	78	565	565	210	651	511	64	72	450	/	630	225	292
	4	100	619	619	260	658	517	80	90	450	305	789	385	500
	5	130	670	670	335	770	605	104	117	560	305	893	498	647
	6	46	737	737	155	924	726	120	135	560	305	1000	599	778
	1	52	457	457	160	300	420	20	22	450	400	135	175	
Class2500 (PN42MPa)	2	65	483	483	210	318	445	445	40	45	450	497	168	218
	2 1/2	79	533	533	240	324	453	453	52	58	560	560	268	348
	3	100	598	598	305	373	522	522	64	72	560	630	420	546
	4	50	737	737	145	470	658	658	80	90	640	789	750	975
Class2500 (PN42MPa)	1	65	451	454	190	600	840	840	20	22	450	497	120	156
	2 1/2	80	508	514	210	324	453	453	52	58	450	560	160	208
	3	100	578	584	235	373	522	522	64	72	560	630	230	299
Class2500 (PN42MPa)	4	150	673	683	335	470	658	658	80	90	640	789	275	357

1. API 6A Material Specification: AA, BB, CC, DD, EE, FF, HH

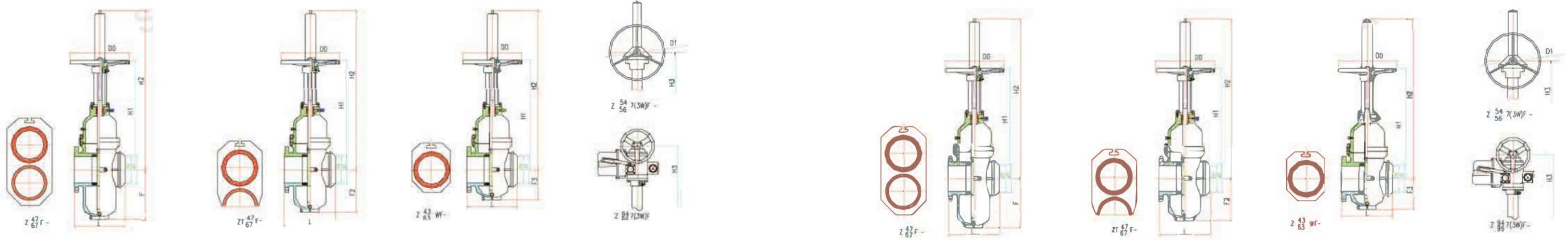


GB/JB Slab Gate Valve Dimension Table

PN1.6MPa mm

DN	L											D0	D1	N.M	kg			
	Z0	RF	FM	RJ	H1	H2	H3	F1	F2	F3	4xφ				Z0	RF	FM	RJ
20	106	117	117	177	200	300	240	45	40	20	60x80	140	▲	32	7	10	12	12
25	106	127	140	127	305	457	366	57	51	25	70x125	140	▲	32	11	17	20	20
32	106	140	153	140	320	480	384	72	64	32	83x89	140	▲	32	18	25	30	30
40	108	165	178	165	352	528	422	90	80	40	46x100	140	▲	32	25	42	50	50
50	114	190	203	241	372	558	446	117	104	52	88x98	250	▲	32	45	53	63	63
80	114	203	216	283	398	597	477	144	128	64	88x118	250	▲	32	60	60	71	71
100	140	229	241	305	518	777	621	180	160	80	92x138	250	▲	40	85	87	105	105
125	140	254	267	381	634	951	760	225	200	100	64x170	250	▲	50	98	123	148	148
150	140	267	279	403	654	981	784	270	240	120	100x202	350	▲	50	120	150	180	180
200	152	292	305	419	788	1182	945	360	320	160	192x234	350	▲	84	200	250	300	300
250	165	330	343	457	930	1395	1116	45	40	20	130x302	450	450	120	226	283	340	340
300	178	356	368	502	1074	1611	1288	540	480	240	130x300	450	450	160	326	408	490	490
350	190	381	394	572	1175	1762	1410	630	560	280	160x340	550	610	222	489	612	735	735
400	216	406	419	610	1410	2115	1692	720	640	320	200x350	550	610	280	558	698	838	838
450	225	432	445	660	1504	2256	1804	810	720	360	160x500	640	610	343	710	888	1066	1066
500	225	457	470	711	1738	2607	2085	900	800	400	200x575	640	720	510	917	1147	1377	1377
600	267	508	521	813	2009	3013	2410	1080	960	480	250x560	640	720	850	1236	1545	1855	1855
700	292	610	610	914	2197	3295	2636	1260	1120	560	340x680	640	720	1450	1703	2129	2555	2555
800	318	711	711	965	2565	3847	3078	1440	1280	640	340x750	640	720	1694	2408	3010	3612	3612
900	330	711 [Ⓢ]	711 [Ⓢ]	1016	2740	4110	3288	1620	1440	720	400x800	720	860	2304	3312	4141	4970	4970
1000	410	1575	1575	1575	2853	4279	3423	1800	1600	800	480x920	720	860	2650	3896	4870	5845	5845
1200	470	1625	1625	1625	3092	4638	3710	1980	1760	880	480x950	800	860	3050	4773	5967	7161	7161
1400	470	1803	1803	1803	3218	4827	3861	2160	1920	960	495x1050	800	860	3508	5972	7466	8960	8960
1500	530	2032	2032	2032	3488	5232	4185	2520	2240	1120	520x1080	800	860	4033	7093	8867	10640	10640

1. "▲" means manufacturing according to customer's requirements.
2. Ⓢ valve full diameter is 800mm



GB/JB Slab Gate Valve Dimension Table

PN2.5MPa mm

DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
	RF	FM	FJ										RF	FM	FJ
20	117	117	177	277	334	304	45	40	20	140	▲	32	7	8	8
25	127	140	127	284	343	312	57	51	25	140	▲	32	11	12	12
32	140	153	140	409	493	449	72	64	32	140	▲	32	18	18	18
40	165	178	165	423	510	465	90	80	40	250	▲	32	25	25	25
50	178	191	216	481	580	529	117	104	52	250	▲	32	35	37	37
65	190	203	241	493	595	542	144	128	64	250	▲	32	45	55	55
80	203	216	283	577	696	634	180	160	80	250	▲	40	60	65	65
100	229	241	305	277	334	304	45	40	20	140	▲	40	85	90	90
125	254	267	381	684	825	752	225	200	100	350	▲	40	109	127	160
150	267	279	403	788	950	866	270	240	120	350	310	40	154	180	216
200	292	305	419	891	1074	980	360	320	160	350	310	67	223	260	358
250	330	343	457	1044	1258	1148	45	40	20	450	310	96	301	350	436
300	356	368	502	1298	1565	1427	540	480	240	450	450	128	387	450	490
350	381	394	572	1348	1625	1482	630	560	280	750	450	177	550	640	758
400	406	419	610	1639	1975	1802	720	640	320	850	750	224	679	790	1100
450	432	445	660	1743	2100	1917	810	720	360	850	850	274	851	990	1300
500	457	470	711	1950	2350	2145	900	800	400	850	850	408	1165	1355	1680
600	508	521	813	2332	2810	2565	1080	960	480	850	850	680	1444	1680	2680
700	610	623	914	2664	3210	2930	1260	1120	560	850	850	1160	2055	2390	3700
800	660	673	965	3004	3620	3304	1440	1280	640	850	850	1355	2795	3250	5200
900	711	724	1016	3510	4230	3864	1620	1440	720	850	850	1843	3612	4200	7100
1000	811	724	1016	4101	4942	4511	1800	1600	800	850	850	2120	5056	5880	8400
1200	1803	724	1016	4794	5777	5273	1980	1760	880	850	850	2440	8170	9500	12800
1400	2032	724	1016	5604	6753	6164	2160	1920	960	1000	850	2806	12040	14000	17200
1500	2032	724	1016	6552	7894	7207	2520	2240	1120	1000	850	3226	16541	19234	23184

1. "▲" means manufacturing according to customer's requirements.
2. ⊕ valve full diameter is 800mm

GB/JB Slab Gate Valve Dimension Table

PN4.0MPa mm

DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
	RF	FM	FJ										RF	FM	FJ
20	152	152	165	277	334	304	45	40	20	140	▲	72	14	15	12
25	165	165	178	284	343	312	57	51	25	140	▲	72	25	25	20
32	178	178	191	409	493	449	72	64	32	140	▲	72	32	34	30
40	190	190	203	423	510	465	90	80	40	250	▲	72	55	58	54
50	216	216	232	481	580	529	117	104	52	250	▲	72	60	60	58
65	241	241	257	493	595	542	144	128	64	250	▲	72	75	76	70
80	283	283	298	577	696	634	180	160	80	250	▲	72	145	155	165
100	305	305	321	277	334	304	45	40	20	140	▲	100	14	15	12
125	381	397	381	684	825	752	225	200	100	350	▲	96	150	160	162
150	403	419	403	788	950	866	270	240	120	350	310	104	170	190	200
200	419	435	419	891	1074	980	360	320	160	350	310	176	290	330	340
250	457	473	457	1044	1258	1148	45	40	20	450	310	248	430	490	515
300	502	518	502	1298	1565	1427	540	480	240	450	450	441	625	690	700
350	762	778	762	1348	1625	1482	630	560	280	750	450	587	890	1000	1015
400	838	854	838	1639	1975	1802	720	640	320	850	750	606	1260	1410	1430
450	914	930	914	1743	2100	1917	810	720	360	850	850	858	1620	1910	1930
500	991	1010	991	1950	2350	2145	900	800	400	850	850	1159	2110	2410	2340
600	1143	1165	1143	2332	2810	2565	1080	960	480	850	850	1927	3410	3750	3760
700	1346	1372	1346	2664	3210	2930	1260	1120	560	850	850	3400	4710	5280	5290
800	1524	1553	1524	3004	3620	3304	1440	1280	640	850	850	4804	6690	7420	7430
900	1727	1756	1727	3510	4230	3864	1620	1440	720	850	850	6273	9230	10180	10300
1000	2083	1756	2083	4101	4942	4511	1800	1600	800	850	850	8168	10470	11980	11980
1200	2286	1756	2286	4794	5777	5273	1980	1760	880	850	850	9392	10930	12550	12550

1. "▲" means manufacturing according to customer's requirements.
2. ⊕ valve full diameter is 800mm.



GB/JB Slab Gate Valve Dimension Table

PN6.3MPa mm

DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
	RF	FM	RJ										F	WdF	WF
20	190	190	190	268	346	92	45	40	20	140	▲	120	15	16	18
25	216	216	216	325	350	118	57	51	25	140	▲	120	25	26	30
32	229	229	229	385	493	140	72	64	32	140	▲	120	42	46	46
40	241	241	241	424	550	150	90	80	40	250	▲	120	68	74	80
50	250	295	292	472	611	170	117	104	52	250	▲	130	81	89	98
65	280	333	330	498	647	219	144	128	64	250	▲	140	89	96	105
80	310	359	356	577	696	634	180	160	80	250	▲	150	120	144	160
100	350	410	406	268	346	92	45	40	20	140	▲	120	15	16	18
125	400	460	457	577	696	634	180	160	80	250	▲	150	120	144	160
150	450	498	495	684	825	752	225	200	100	350	▲	160	150	216	240
200	550	600	597	788	950	866	270	240	120	350	▲	170	200	234	260
250	650	676	673	891	1074	980	360	320	160	350	▲	294	400	423	470
300	750	765	762	1044	1258	1148	45	40	20	450	310	433	430	576	640
350	850	829	826	1298	1565	1427	540	480	240	450	450	552	700	738	820
400	950	905	902	1348	1625	1482	630	560	280	750	450	1010	900	1062	1180
450	1050	981	978	1639	1975	1802	720	640	320	850	750	1170	1100	1422	1580
500	1150	1060	1054	1743	2100	1917	810	720	360	850	850	1562	1780	1908	2120
600	1350	1241	1232	1950	2350	2145	900	800	400	850	850	2094	2100	2295	2550
700	1450	1410	1397	2332	2810	2565	1080	960	480	850	850	4292	2900	2853	3170
800	1650	1667	1651	2664	3210	2930	1260	1120	560	850	850	5997	3200	2745	4050
900	1880	1895	1880	3004	3620	3304	1440	1280	640	850	850	8448	4290	4239	4700
1000	2028	▲	2028	3510	4230	3864	1620	1440	720	850	850	11550	4500	5202	5700
1200	2464	▲	2464	4101	4942	4511	1800	1600	800	850	850	14978	5100	6102	6780

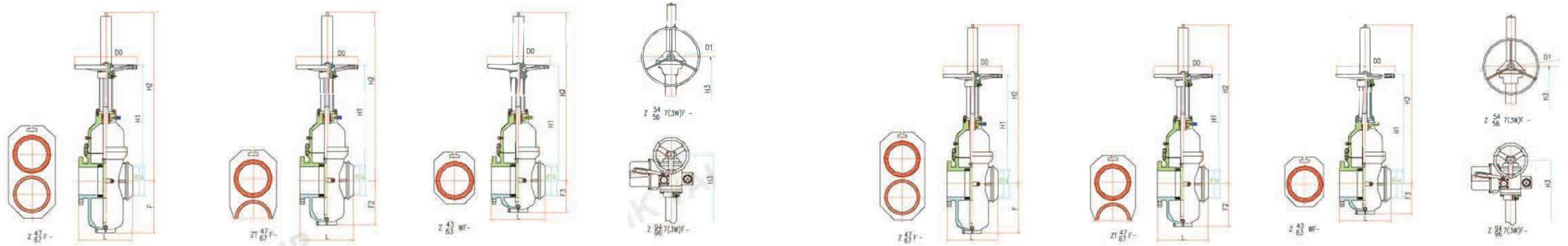
1. "▲" means manufacturing according to customer's requirements.
2. ② valve full diameter is 800mm.

GB/JB Slab Gate Valve Dimension Table

PN10.0MPa mm

DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N.M	kg		
	RF	FM	RJ										F	WdF	WF
20	190	190	190	277	334	304	45	40	20	140	▲	160	16	16	18
25	216	216	216	284	343	312	57	51	25	140	▲	160	26	26	30
32	229	229	229	409	493	449	72	64	32	140	▲	160	46	46	50
40	241	241	241	423	510	465	90	80	40	250	▲	160	80	80	85
50	250	292	295	481	580	529	117	104	52	250	▲	160	105	105	115
65	280	330	353	493	595	542	144	128	64	250	▲	160	110	110	130
80	310	356	359	577	696	634	180	160	80	250	▲	160	125	155	125
100	350	432	435	277	334	304	45	40	20	140	▲	160	16	16	18
125	400	511	508	577	696	634	180	160	80	250	305	200	125	155	155
150	450	562	559	684	825	752	225	200	100	350	305	230	190	260	260
200	550	664	660	788	950	866	270	240	120	350	305	260	260	308	308
250	650	791	787	891	1074	980	360	320	160	350	305	661	380	484	484
300	750	841	838	1044	1258	1148	45	40	20	450	305	650	580	750	750
350	850	892	889	1298	1565	1427	540	480	240	450	450	828	950	1750	1350
400	950	994	991	1348	1625	1482	630	560	280	750	450	1515	1390	1680	1680
450	1050	1095	1092	1639	1975	1802	720	640	320	850	640	1916	1650	2015	2015
500	1150	1120	1194	1743	2100	1917	810	720	360	850	640	2542	2150	2680	2680
600	1350	1407	1397	1950	2350	2145	900	800	400	850	800	4199	2580	2995	2995
700	1450	1562	1549	2332	2810	2565	1080	960	480	850	800	7187	3270	3895	3890
800	1650	1794	1778	2664	3210	2930	1260	1120	560	850	800	8133	3980	4850	4840
900	2083	2099	2083	3004	3620	3304	1440	1280	640	850	800	14663	4990	5685	5680
1000	2387	2099	2387	3510	4230	3864	1620	1440	720	850	860	19067	6100	6890	6890
1200	2692	2099	2692	4101	4942	4511	1800	1600	800	850	860	26540	7190	7995	7990

1. "▲" means manufacturing according to customer's requirements.
2. ② valve full diameter is 800mm.



GB/JB Slab Gate Valve Dimension Table

PN15.0MPa mm

DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N,M	W		
	RF	FM	RJ										RF	FM	RJ
20	229	229	229	282	352	299	45	40	20	140	▲	240	40	40	32
25	254	254	254	360	450	382	57	51	25	140	▲	240	50	50	40
32	279	279	279	440	550	467	72	64	32	140	▲	240	80	80	70
40	305	305	305	579	725	616	90	80	40	250	▲	240	100	100	88
50	368	371	368	608	760	704	117	104	52	250	▲	240	143	143	130
65	419	422	419	634	874	824	144	128	64	250	▲	240	186	186	170
80	381	384	381	597	776	656	180	160	80	250	▲	300	218	240	240
100	457	460	457	282	352	299	45	40	20	140	▲	240	40	40	32
125	559	562	559	746	969	820	225	200	100	350	305	340	330	342	342
150	610	613	610	895	1163	984	270	240	120	350	305	380	421	443	443
200	737	740	737	1194	1552	1313	360	320	160	350	305	661	672	707	707
250	838	841	838	1492	1939	1641	45	40	20	450	305	973	983	1034	1034
300	965	968	965	1791	2328	1970	540	480	240	450	450	1406	1634	1720	1720
350	1029	1038	1029	2089	2715	2297	630	560	280	750	450	2476	2353	2480	2476
400	1130	1140	1130	2388	3104	2626	720	640	320	850	640	4153	2613	2760	2750
450	1219	1232	1219	2686	3491	2954	810	720	360	850	640	5100	3575	3768	3763
500	1321	1334	1321	2985	3880	3283	900	800	400	850	800	6670	4331	4560	4559
600	1549	1568	1549	3582	4656	3940	1080	960	480	850	800	11916	5642	5939	5939
700	1905	1568	1549	4179	5432	4596	1260	1120	560	850	800	13487	6954	7320	7320
800	1905	1568	1905	4776	6208	5253	1440	1280	640	850	800	24316	8184	8614	8614

1. ▲ means manufacturing according to customer's requirements.
2. @ valve full diameter is 800mm.

GB/JB Slab Gate Valve Dimension Table

PN25.0MPa mm

DN	L			H1	H2	H3	F1	F2	F3	D0	D1	N,M	W		
	RF	FM	RJ										RF	FM	RJ
20	229	229	229	280	230	190	45	40	20	280	▲	380	40	40	32
25	254	254	254	350	300	249	57	51	25	350	▲	380	60	60	45
32	279	279	279	600	450	373	68	60	30	450	▲	380	70	70	50
40	305	305	305	725	600	498	90	80	40	560	▲	380	80	80	70
50	368	371	368	760	715	560	117	104	52	640	▲	380	170	170	140
65	419	422	419	280	230	190	45	40	20	280	▲	380	278	278	245
80	470	473	470	350	300	249	57	51	25	350	▲	380	383	383	350
100	546	549	546	600	450	373	68	60	30	450	▲	380	445	445	432
125	673	676	673	794	1270	873	144	128	72	360	▲	476	620	660	660
150	705	711	705	860	1376	946	180	160	90	450	360	539	798	840	840
200	832	841	832	975	1560	1072	225	200	112	450	360	603	1274	1341	1341
250	991	1000	991	1090	1744	1199	270	240	135	450	360	1049	1863	1961	1961
300	1130	1146	1130	1551	2481	1706	360	320	180	860	360	1544	3098	3261	3261
350	1257	1276	1257	1859	2974	2044	450	400	225	860	360	2231	4461	4696	4696
400	1384	1407	1384	2159	3454	2374	540	480	270	860	360	3930	4954	5215	5215
450	1537	1559	1537	2442	3907	2686	630	560	315	860	360	6592	6780	7137	7137
500	1664	1686	1664	2625	4200	2887	720	640	360	860	360	8095	8213	8646	8646
600	1943	1972	1943	3036	4857	3339	810	720	405	860	360	10587	13186	13880	13880

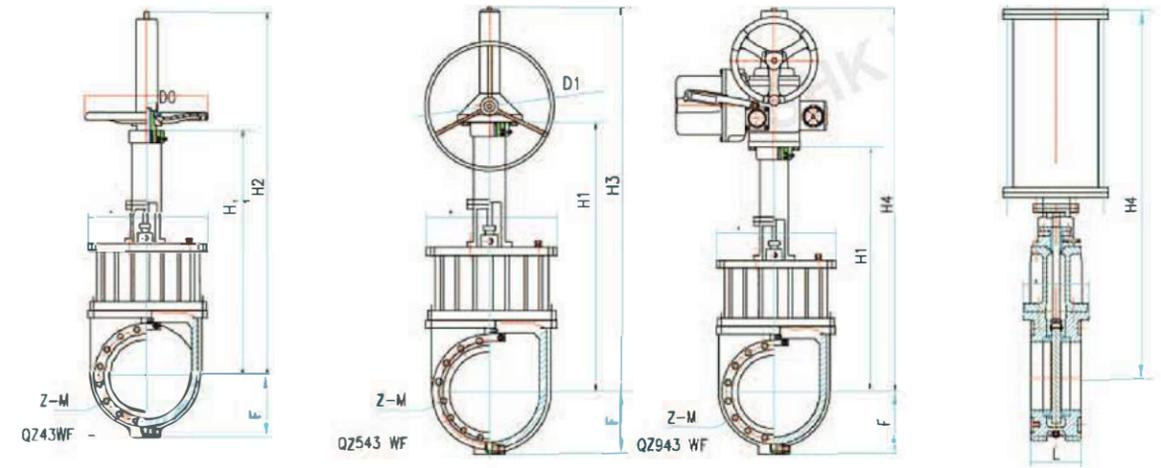
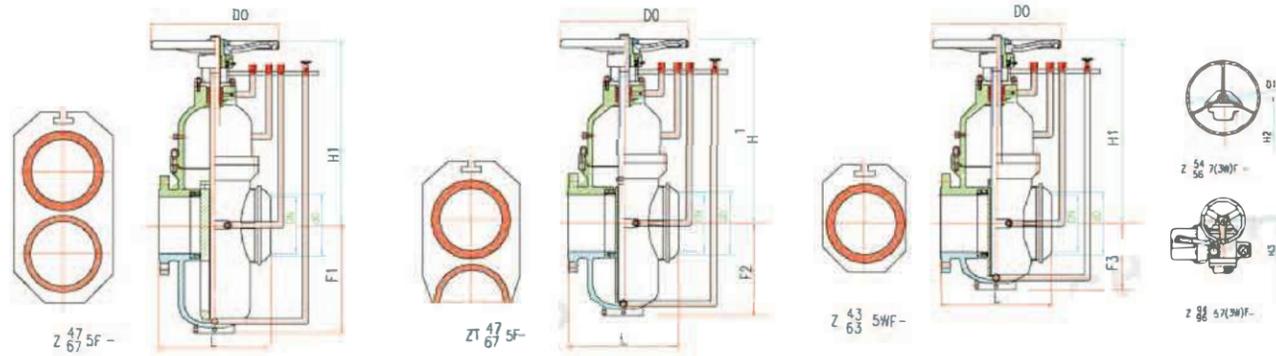
1. ▲ means manufacturing according to customer's requirements.
2. @ valve full diameter is 800mm.

Non-rising Stem VT & Buried VS Slab Gate Valve Data Table

PN1.6MPa															
DN	BORE	L			H1	H2	H3(F)	H4(wbF)	H5(wF)	H6	H7	H8	D0	D1	WE
		RF	RTJ	WE											
50	49	178	191	216	464	365	168	110	95	-	-	485	250	310	45
65	62	190	203	241	500	460	171	122	102	-	-	510	250	310	60
80	74	203	216	283	515	510	219	134	115	-	-	525	250	310	70
100	100	229	241	305	565	557	257	170	128	-	-	570	250	310	98
125	127	254	267	381	620	632	278	205	138	-	-	630	350	310	120
150	150	267	279	403	710	688	313	240	168	700	700	730	350	310	145
200	201	292	305	419	830	775	410	290	185	790	8800	850	450	310	370
250	252	330	343	457	915	875	490	327	206	905	900	940	450	310	460
300	303	356	368	502	1060	1030	570	408	233	1050	1060	1085	550	310	580
350	334	381	394	572	1210	1175	640	442	256	1190	1205	1235	750	310	780
400	385	406	409	610	1365	1325	710	500	292	1340	1355	1400	750	460	1080
450	436	432	445	660	1545	1490	800	553	330	1515	1530	1580	810	460	1200
500	487	457	470	711	1630	1585	877	631	370	1620	1620	1665	810	460	1580
600	589	508	521	813	1825	1780	1030	730	446	1805	1825	1870	810	610	2300
700	684	610	623	914	2130	2080	1190	873	525	2190	2130	2145	810	610	3450
800	779	660	673	965	2345	2285	1340	980	594	2405	2345	2390	810	610	4800
PN2.5MPa															
50	49	178	191	216	464	365	155	110	95	-	-	485	250	310	45
65	62	190	203	241	500	460	171	128	102	-	-	510	250	310	60
80	74	203	216	283	515	510	219	134	115	-	-	525	250	310	70
100	100	229	241	305	565	557	257	170	128	-	-	570	250	310	98
125	127	254	267	381	620	632	278	205	138	-	-	630	350	310	120
150	150	267	279	403	710	688	339	250	168	700	700	730	350	310	145
200	201	292	305	419	830	775	432	290	195	790	800	850	450	310	370
235	252	330	343	457	915	875	498	345	224	905	900	940	450	310	460
300	303	356	368	502	1060	1030	567	408	249	1050	1060	1085	550	310	580
350	334	381	394	572	1210	1175	649	442	273	1190	1205	1235	750	310	780
400	385	406	419	610	1365	1325	737	500	330	1340	1355	1400	810	460	1080

H=H3/H4/H5

PN2.6MPa															
DN	BORE	L			H1	H2	H3(F)	H4(wbF)	H5(wF)	H6	H7	H8	D0	D1	WE
		RF	RTJ	WE											
450	436	432	445	660	1545	1490	803	566	394	1515	1530	1580	810	460	1200
500	487	457	470	711	1630	1585	897	631	410	1620	1620	1665	810	460	1580
600	589	508	521	813	1825	1076	1076	730	477	1805	1825	1870	2300	610	2300
700	684	610	623	914	2130	2175	1175	880	560	2100	2130	2145	3450	610	3450
800	779	660	673	965	2345	2285	1340	980	600	2305	2345	2390	4800	610	4800
PN4.0MPa															
50	49	216	232	216	482	365	155	110	90	-	-	485	250	310	54
65	62	241	257	241	500	460	171	128	96	-	-	510	250	310	68
80	74	283	298	283	515	510	219	147	103	-	-	525	250	310	75
100	100	305	321	305	565	557	257	182	120	-	-	570	250	310	140
125	127	381	397	381	620	632	278	205	138	-	-	630	350	310	152
150	150	403	419	403	710	688	339	250	155	700	700	730	350	310	165
200	201	419	435	419	830	755	432	290	195	790	800	850	450	310	390
250	252	457	473	457	915	875	498	345	226	905	900	940	450	310	480
300	303	502	518	502	1060	1030	572	410	257	1050	1060	1085	550	310	620
350	334	762	778	762	1210	1175	654	460	287	1190	1205	1235	750	310	880
400	385	838	854	838	1365	1325	737	512	330	1340	1355	1400	750	460	1280
450	436	914	930	914	1545	1490	803	566	394	1515	1530	1580	810	460	1600
500	487	991	1010	991	1630	1585	897	631	385	1620	1620	1665	810	460	2100
600	589	1143	1165	1143	1825	1780	1150	780	477	1805	1825	1870	810	610	3200
PN6.3MPa															
50	49	250	285	292	482	365	155	110	101	-	-	485	250	310	72
65	62	280	333	330	500	460	171	138	106	-	-	510	250	310	80
80	74	310	359	356	515	510	219	150	110	-	-	525	250	310	85
100	100	350	410	406	582	557	257	184	130	585	590	580	250	310	180
125	127	400	460	457	658	632	278	210	150	650	640	645	350	310	200
150	150	450	498	495	733	688	339	250	180	710	710	730	350	310	220
200	201	550	600	597	867	755	432	290	206	830	822	850	450	310	420
250	252	650	676	673	1000	875	498	345	238	955	920	940	450	310	520
300	303	750	785	762	1090	1030	572	410	267	1050	1080	1085	550	310	700
350	334	850	829	826	1255	1175	654	460	302	1210	1230	1235	750	310	1020
400	385	950	905	902	1385	1325	742	515	337	1425	1385	1400	750	460	1460
450	436	1050	981	978	1585	1490	840	580	350	1565	1565	1580	810	460	1980
500	487	1150	1060	1054	1630	1585	914	650	395	1620	1620	1665	810	460	2580



Light Slab Gate Valve Dimension Table

Metric System

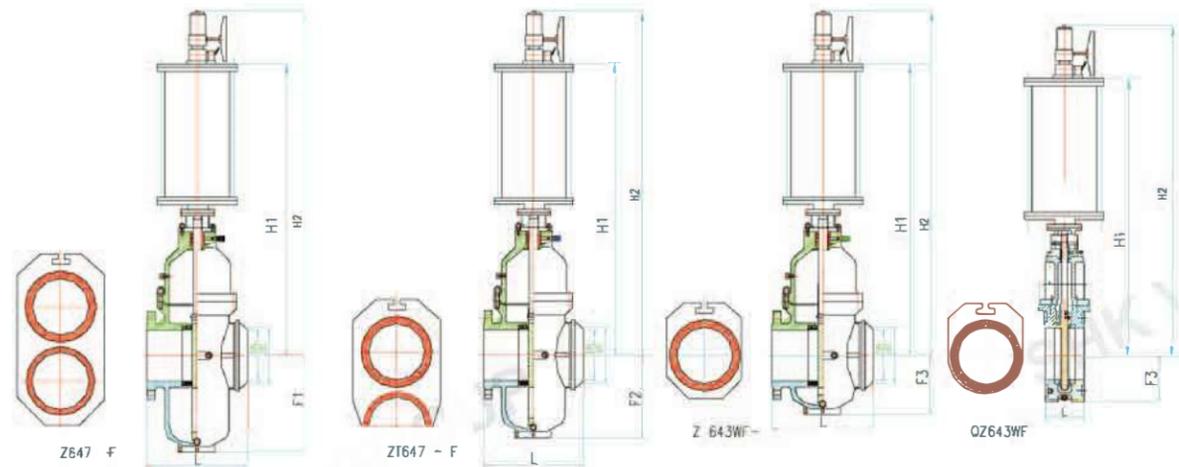
PN10.0MPa															
DN	BORE	L			H1	H2	H3(F)	H4(wbF)	H5(wF)	H6	H7	H8	D0	D1	APPROX We(kg)
		RF	RTU	WE											
50	49	250	295	292	482	365	153	123	107	-	-	485	250	310	72
65	62	280	333	330	500	460	170	136	120	-	-	510	250	310	80
80	74	310	359	356	515	510	229	150	130	-	-	525	250	310	85
100	100	350	435	432	582	557	254	180	145	585	590	600	250	310	180
125	127	400	511	508	658	632	300	190	162	650	640	680	350	310	220
150	150	450	562	559	733	688	340	252	185	710	710	750	350	310	265
200	201	550	664	660	867	775	415	290	206	830	822	875	450	310	420
250	252	650	791	787	1000	875	520	345	255	955	920	1040	450	310	610
300	303	750	840	838	1090	1030	590	410	295	1050	1080	1135	550	310	998
350	334	850	892	889	1255	1175	700	460	338	1210	1230	1275	750	310	1480
400	385	950	994	991	1415	1345	780	515	366	1425	1405	1450	750	460	1690
450	436	1050	1095	1095	1585	1510	850	600	400	1565	1585	1595	810	460	2190
500	487	1150	1120	1194	1650	1605	950	650	415	1620	1650	1685	810	460	2690

1. Refer to the relative data table of this sample for the unnoticed dimension.
 2. Choose well lid Dg 600 when DN < 250; Dg 700 when DN > 300.

SIZE		L	H1	H2	H3 (F)	H4 (wbF)	H5 (wbF)	D0	D1	N-M(GB)	N-M(JB)	N-M(API)	A x B	APPROX We
API	GB/JB									J/2.5	1.8/2.1	(kg/wbF)		
4	100	127	547	712	257	170	128	250	-	8-M16/M20	8-M16/M20	8-M16	106 x 204	70
5	125	140	648	820	278	205	138	350	-	8-M16/M24	8-M16/M22	8-M20	120 x 228	100
6	150	140	683	894	339	250	168	350	-	8-M20/M24	8-M20/M22	8-M20	120 x 260	120
8	200	152	793	1074	432	290	185	450	310	12-M20/M24	12-M20/M22	8-M20	140 x 260	210
10	250	165	951	1277	498	345	262	450	310	12-M24/M27	12-M22/M27	12-M22	150 x 260	240
12	300	178	1115	1505	570	408	290	550	460	12-M24/16-M27	12-M22/16-M27	12-M22	160 x 270	340
14	350	190	1270	175	640	442	330	650	460	16-M24/M30	16-M22/M30	12-M27	172 x 370	430
16	400	216	1350	1835	710	500	355	650	460	16-M27/M33	16-M27/M30	16-M27	180 x 400	580
18	450	222	1504	2037	800	570	375	750	460	20-M27/M33	20-M27/M30	16-M30	190 x 420	600
20	500	229	1688	2265	877	631	400	750	460	20-M30/M33	20-M30/M36	20-M30	193 x 460	700
22	550	267	1760	2500	960	680	425	-	610	▲	▲	20-M33	230 x 500	800
24	600	267	2012	2730	1030	740	460	-	610	20-M33/M36	20-M36/M36	20-M33	230 x 540	980
26	650	292	2040	3040	1110	780	480	-	610	▲	▲	24-M33	254 x 600	1200
28	700	292	2205	3090	1190	860	500	-	610	24-M33/M39	24-M36/M42	28-M33	254 x 600	1380
30	750	318	2320	3500	1260	895	530	-	813	▲	▲	28-M33	270 x 700	2240
32	800	318	2480	3680	1340	980	565	-	813	24-M36/M45	24-M36/M42	28-M39	270 x 760	2600
34	850	330	2600	4000	1420	1020	600	-	813	▲	▲	32-M39	280 x 760	3090
36	900	330	2740	4230	1490	1083	630	-	813	28-M36/M45	28-M36/M48	32-M39	280 x 800	3500
38	950	410	2870	4460	1570	1160	670	-	813	▲	▲	32-M39	360 x 850	3970
40	1000	410	3020	4700	1650	1200	700	-	813	28-M39/M52	28-M42/M52	36-M39	360 x 900	4120
42	1050	410	3160	4950	1730	1280	720	-	813	▲	▲	36-M39	360 x 900	5035
48	1200	470	3580	5470	1950	1380	800	-	813	32-M45/M52	32-M48/M52	44-M39	420 x 1000	6380
54	1400	530	4000	6580	2290	1610	900	-	813	36-M45/M56	36-M48/M56	44-M45	480 x 1200	7200
60	1500	600	4400	7100	2410	1780	950	-	813	▲	▲	52-M45	540 x 1300	98000

1. ▲ means manufacturing according to customer's requirements
 2. Refer to the relative data of this sample for the unnoticed dimension.

H=H3/H4/H5



1. When PN large than 4.0MPa, manufacturing is according to ordering requirements.
2. The valve also can be hydraulic driven according to the needs.
3. Refer to the relative data of this sample for unnoticed dimension

Pneumatic Slab Gate Valve Dimension Table

Metric System

SIZE		H	H1	H1	H1	PN1.6/2.5Mpa CLASS150 One-way gate consumption: m ³
DN	BORE	1.6/2.5Mpa CLASS150	4.0Mpa CLASS300			
2	50	51	950	850	980	0.0021
2 1/2	65	64	1000	870	1030	0.0025
3	80	76	1050	920	1080	0.0029
4	100	102	1107	950	1140	0.003
5	125	127	1158	1000	1200	0.006
6	150	152	1560	1150	1600	0.008
8	200	203	1637	1230	1680	0.013
10	250	254	1795	1350	1840	0.023
12	300	305	2310	1670	2350	0.030
14	350	337	2680	1850	2720	0.035
16	400	387	3095	2100	3040	0.045
18	450	438	3400	2250	3450	0.070
20	500	489	3680	2400	3730	0.080
24	600	291	4000	2890	4050	0.180
28	700	686	4710	3500	4760	0.210
32	800	781	5350	4300	5400	0.320
36	900	876	6000	4800	6100	0.47
40	1000	978	6700	5300	6800	0.66

KHV-PZ Series Slab Gate Valve