



Shanghai Tianfa Trading Co., Ltd.

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Address: Road318. Nanxiang Town, Jiading District, Shanghai

PRESSURE SEAL GATE VALVES

MATERIAL SPECIFICATION

Materials List		
NO.	Part name	Material
23	Grease nipple	Brass
22	Grub screw	Carbon steel
21	Hand wheel nut	Carbon steel
20	Hand wheel	Malleable iron/cast steel/dycuke iron/fabricated steel
19	Yoke nut	Carbon steel/SS
18	Eye bolt and nut	A 193 B7/A194 2H~A193 B8/A194 8
17	Pin	Carbon steel/stainless steel
16	Stem Nut	A 439-D2/cu-alloy
15	Gland flange	Carbon steel/equivalent to body material
14	Gland	Stain less steel
13	Gland bush	See body material
12	Back seat	
11	Stem	
10	Seat ring	
09	Wedge	

NO.	Part name	WCB	LCB	WC6	WC9
08	Bolt and nut	A193 Gr B7/A194 Gr 2H	A320 Gr L7/A194 Gr 4	A193 Gr B16/A194 Gr 4/7	A193 Gr B16/A194 Gr 4/7
07	Gland packing	Graphite	Graphite	Graphite	Graphite
06	Gasket	Soft iron	Soft iron	SS304	SS304
05	Thrust ring	A105	A182 F304	A182 F11	A182 F22
04	Back up ring	A105	A182 F304	A182 F11	A182 F22
03	Yoke	A216 Gr WCB	A352 Gr LCB	A271 Gr WC6	A271 Gr WC9
02	Bonnet	A216 Gr WCB	A352 Gr LCB	A271 Gr WC6	A271 Gr WC9
01	Body	A216 Gr WCB	A352 Gr LCB	A271 Gr WC6	A271 Gr WC9

NO.	Part name	C5	C12	CF8	CF8M
08	Bolt and nut	A193 Gr B7/A194 Gr 2H	A193 Gr B16/A194 Gr 4/7	A193 B8/A194 8	A193 B8M/A194 8M
07	Gland packing	Graphite	Graphite	Graphite	Graphite
06	Gasket	SS304	SS304	SS304	SS316
05	Thrust ring	A182 F22	A182 F22	A182 F304	A182 F316
04	Back up ring	A182 F22	A182 F22	A182 F304	A182 F316
03	Yoke	A217 Gr C5	A217 Gr C12	A351 Gr CF8	A351 Gr CF8M
02	Bonnet	A217 Gr C5	A217 Gr C12	A351 Gr CF8	A351 Gr CF8M
01	Body	A217 Gr C5	A217 Gr C12	A351 Gr CF8	A351 Gr CF8M

PRESSURE-SEAL GATE VALVES CLASS 600LB~2500LB

Dimensions															
Class 600															
Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
L-L1	mm	292	330	356	432	508	559	660	787	838	889	991	1092	1194	1397
L-SP	mm	178	216	254	305	381	457	584	711	813	889	991	1092	1194	1397
H	mm	525	610	650	775	825	1050	1200	1450	1600	1800	2050	2245	2400	2670
K	mm	250	250	300	350	400	500	600	600	400~	450~	450~	500~	500~	550~
Wt	kg	35	55	62	105	160	205	400	690	815	1125	1650	2025	2325	3980
Class 900															
Size	inch	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	
L-L1	mm	368	419	381	457	559	610	737	838	965	1029	1130	1219	1321	



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L-SP	mm	216	254	305	356	432	508	660	787	914	991	1092	1219	1321
H	mm	550	645	670	790	855	1075	1225	1500	1635	1830	2145	2300	2485
K	mm	300	300	300	400	450	300~	350~	400~	400~	450~	500~	500~	550~
Wt	kg	75	90	96	136	225	275	490	825	1150	1500	2100	2750	3400
Class 1500														
Size	inch	2	2-1/2	3	4	5	6	8	10	12				
L-L1	mm	368	419	470	546	673	705	832	991	1130				
L-SP	mm	216	254	305	406	483	559	711	864	991				
H	mm	570	670	725	850	890	1125	1235	1520	1650				
K	mm	300	300	300~	300~	300~	350~	350~	400~	400~				
Wt	kg	95	110	125	205	256	330	655	1200	2010				
Class 2500														
Size	inch	2	2-1/2	3	4	5	6							
L-L1	mm	451	508	578	673	794	914							
L-SP	mm	279	330	368	457	533	610							
H	mm	600	695	740	890	970	1135							
K	mm	400	450	300~	350~	350~	350~							
Wt	kg	110	130	140	225	295	1480							

Gear operation suggested. Dimensions depend on request.

Abbreviations: short pattern