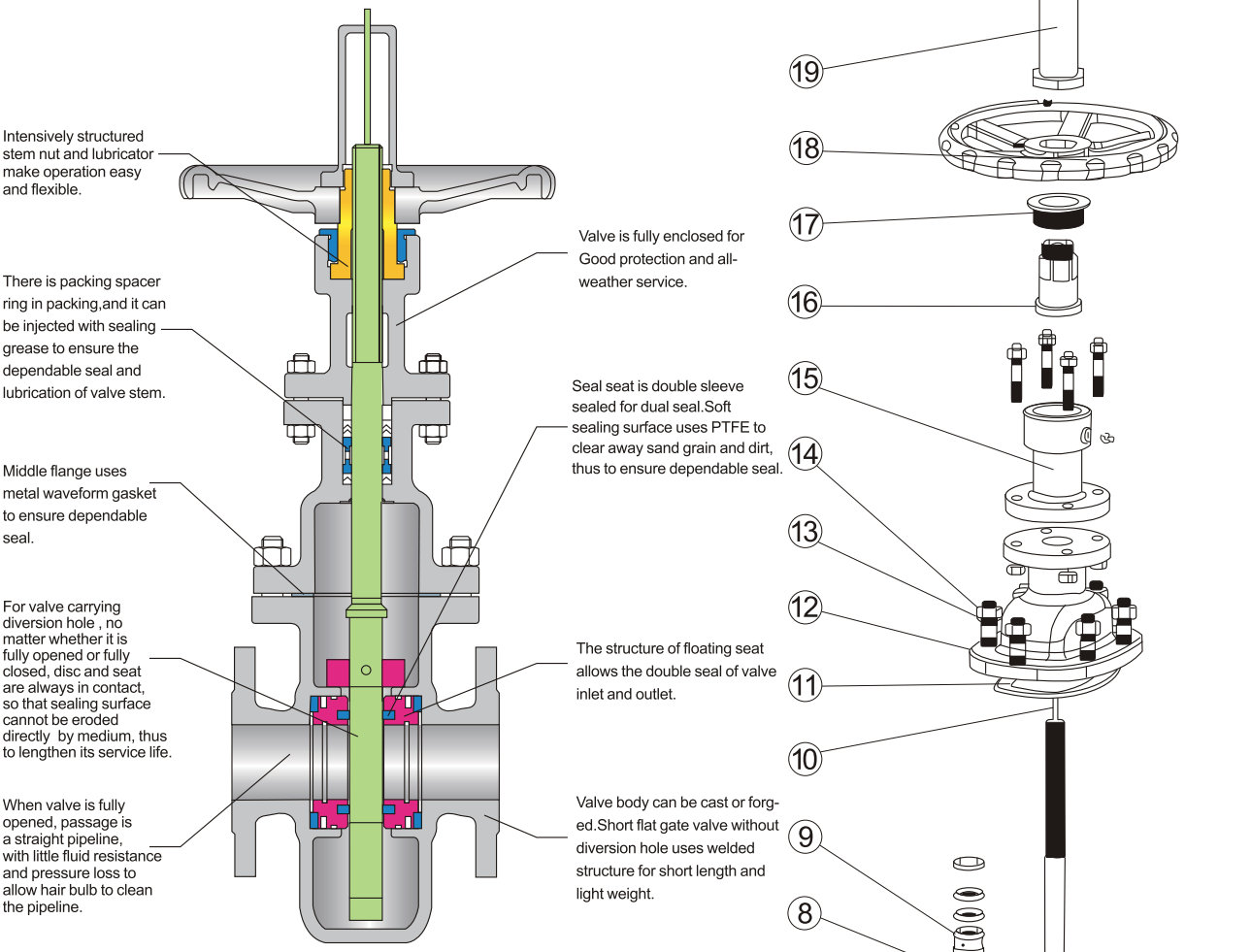
FLAT GATE VALVE



NO.	Part Name	ASTM	ASTM
1	Blown down Stopple	A276-420	A276-304
2	Grease injection joint	A105	A105
3	Body	A216-WCB	A216-WCB
4	Gate disc	A182-F6a	A182-F304
5	Seat	A105+F4+NBR	A182-F304+F4+FPM
6	Stem	A276-410	A276-304
7	Lower Packin	F4	F4
8	Lantern ring	A276-420	A276-420
9	Upper Packing	F4	F4
10	Indicating Finger	A276-420	A276-420
11	Gasket	Graphite+Stainless Steel	
12	Bonnet	A216-WCB	A216-WCB
13	Stud	A193-B7	A193-B7
14	Nut	A194-2H	A194-2H
15	Yoke	A216-WCB	A216-WCB
16	Stem Nut	B148 C95600	B148 C95600
17	Stem Nut Retainer	A108 1020	A108 1020
18	Handwheel	A197	A197
19	Indicating Cover	A108 1020	A108 1020

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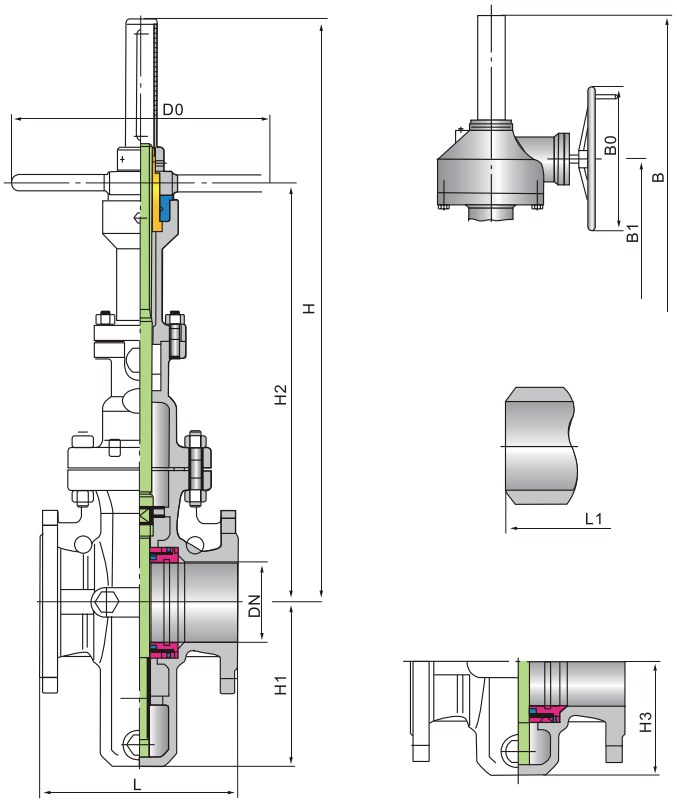
FLAT GATE VALVE
150Lb

Applicable standards:

STEEL GATE VALVES, AAPI 6D
STEEL GATE VALVES, ISO 14313
STEEL VALVES, ASME B 16.34
FACE TO FACE, ASME B 16.10
END FLANGES, ASME B 16.5
BUTTWELDING ENDS, ASME B 16.25
INSPECTION AND TEST, API 6D

Design description:

FULL PATH DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
BB, BOLTED BONNET
PARALLEL SINGLE OR DOUBLE DISC TYPE
"K" TYPE OR "V" TYPE OPEN DOUBLE WEDGE DISC
RENEWABLE SEAT RINGS
FORGED T-HEAD STEM
RISING STEM AND NON-RISING HANDWHEEL
FLANGED OR BUTTWELDING ENDS
AVAILABLE WITH BG OPERATOR
CONDUCTION CURRENT OR NO CONDUCTION CURRENT PATTEM



150Lb

Dimensions data

NPS DN	1 25	1¼ 32	1½ 40	2 50	2½ 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	28 700	32 800	36 900	40 1000
ANSI Class 150Lb																				
L	127	14	165	178	190	203	229	267	292	330	356	381	406	432	457	508	610	660	711	811
L1	127	140	165	216	241	283	305	403	419	457	502	572	610	660	711	813	914	965	1016	-
L2	-	-	-	-	-	-	150	150	180	180	200	200	218	218	229	248	286	286	-	-
H	360	375	410	450	550	610	700	895	1130	1290	1480	1660	1850	2080	2300	2680	3080	3491	3897	4317
H2	250	260	290	315	420	428	494	625	784	937	1080	1283	1417	1489	1672	2012	2250	2550	2850	3250
D0	180	180	250	250	300	300	300	350	350	400	450	500	500	600	700	800	800	1000	1000	1200
B	-	-	-	-	-	-	770	965	1200	1360	1560	1740	1930	2160	2420	2800	3200	3640	4050	4467
B1	-	-	-	-	-	-	650	800	960	1080	1200	1350	1500	1680	1850	2120	2450	2800	3080	3400
B0	-	-	-	-	-	-	310	310	310	310	310	460	460	460	460	460	460	460	600	600
Geared driving	-	-	-	-	-	-	BA-0	BA-0	BA-0	BA-0	BA-0	BA-1	BA-1	BA-1	BA-1	BA-2	BA-2	BA-2	BA-3	BA-3
H3	60	71	75	85	91	109	121	178	211	215	245	280	310	346	363	442	505	560	610	715
H1	85	103	115	122	154	169	193	283	352	440	514	602	678	785	855	1045	1190	1350	1510	1715

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FLAT GATE VALVE
300Lb/400Lb

Applicable standards:

STEEL GATE VALVES, AAPI 6D
STEEL GATE VALVES, ISO 14313
STEEL VALVES, ASME B 16.34
FACE TO FACE, ASME B 16.10
END FLANGES, ASME B 16.5
BUTTWELDING ENDS, ASME B 16.25
INSPECTION AND TEST, API 6D

Design description:

FULL PATH DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
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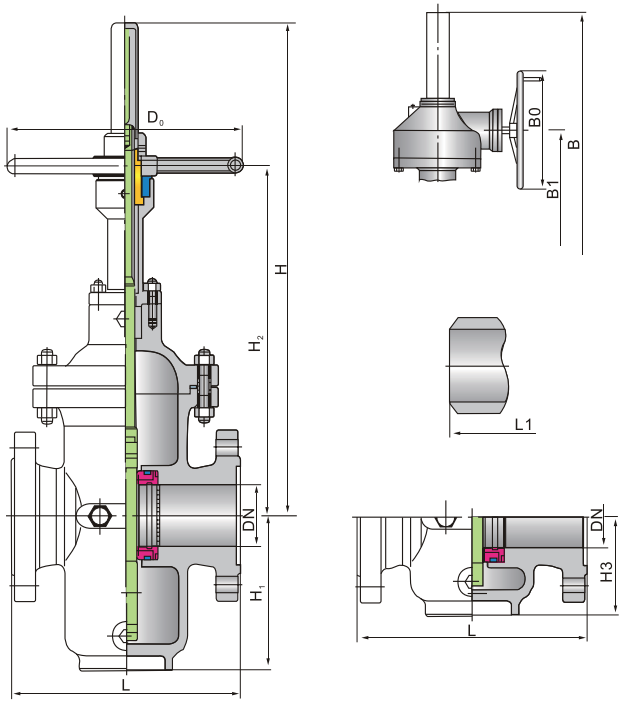
CONDUCTION CURRENT OR NO CONDUCTION CURRENT PATTEM



300–400Lb

Dimensions data

NPS DN	1 25	1¼ 32	1½ 40	2 50	2½ 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600	28 700	32 800	36 900
ANSI Class 300Lb																			
L	165	178	190	216	241	283	305	403	419	457	502	762	838	914	991	1143	1346	1524	1727
L_1	165	178	190	216	241	283	305	403	419	457	502	762	838	914	991	1143	1346	1524	1727
L_2	-	-	-	-	-	-	150	150	180	180	200	200	218	218	229	248	286	286	-
H	370	385	420	458	555	615	710	900	1135	1401	1580	-	-	-	-	-	-	-	-
H_2	260	270	300	325	420	430	500	625	790	1040	1150	-	-	-	-	-	-	-	-
D_0	180	180	250	250	300	300	300	350	350	400	450	-	-	-	-	-	-	-	-
B	-	-	-	-	-	-	770	965	1200	1360	1560	1740	1930	2160	2420	2800	3200	3640	4050
B_1	-	-	-	-	-	-	650	800	960	1090	1200	1350	1540	1700	1850	2120	2460	2800	3080
B_0	-	-	-	-	-	-	310	310	310	310	310	460	460	460	460	460	460	460	600
Geared driving	-	-	-	-	-	-	BA-0	BA-0	BA-0	BA-0	BA-1	BA-1	BA-1	BA-1	BA-2	BA-2	BA-2	BA-2	BA-3
H_3	70	80	85	100	106	124	146	206	241	251	281	325	360	400	430	497	560	620	610
H_1	90	115	130	137	169	184	1218	311	382	476	545	645	728	800	930	1100	1260	1420	1510
ANSI Class 400Lb																			
L				292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397		
L_1				292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397		
H				458	555	615	710	900	1135	1401	1580	-	-	-	-	-	-		
H_2				325	420	430	500	625	790	1040	1150	-	-	-	-	-	-		
D_0				300	300	350	350	400	500	500	600	-	-	-	-	-	-		
B				305	560	610	770	965	1200	1370	1560	1740	1970	2260	2420	2800	3230		
B_1				430	470	510	650	800	960	1090	1200	1350	1540	1700	1850	2120	2460		
B_0				310	310	310	310	310	310	460	460	460	460	460	460	600	600		
Geared driving				BA-0	BA-0	BA-0	BA-0	BA-0	BA-0	BA-1	BA-1	BA-1	BA-2	BA-2	BA-2	BA-3	BA-3		
H_3				108	125	145	165	220	280	330	380	430	480	530	580	670	770		
H_1				158	190	225	255	330	410	490	570	650	735	810	905	1070	1230		

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FLAT GATE VALVE
600Lb/900Lb

Applicable standards:

STEEL GATE VALVES, AAPI 6D
STEEL GATE VALVES, ISO 14313
STEEL VALVES, ASME B 16.34
FACE TO FACE, ASME B 16.10
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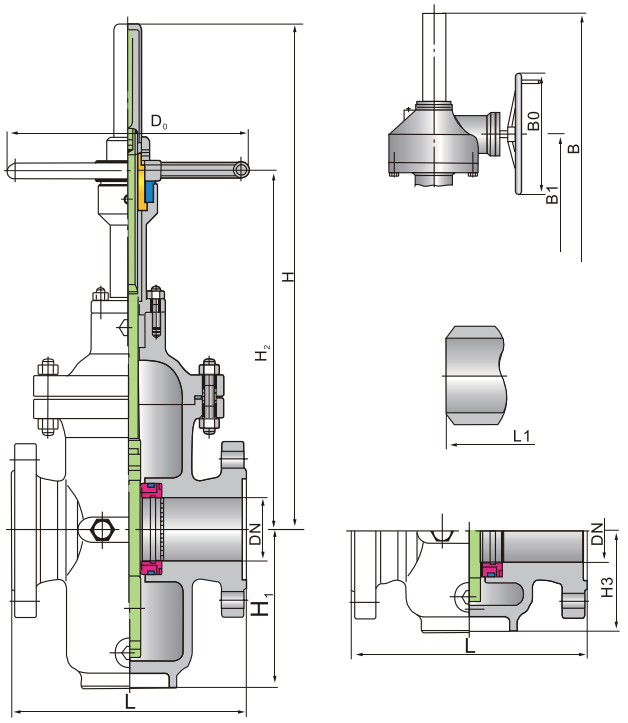

300–400Lb

NPS DN	1 25	1¼ 32	1½ 40	2 50	2½ 65	3 80	4 100	6 150	8 200	10 250	12 300	14 350	16 400	18 450	20 500	24 600
ANSI Class 600Lb																
L				292	330	356	432	559	660	787	838	889	991	1092	1194	
L1				292	330	356	432	559	660	787	838	889	991	1092	1194	
H				468	565	625	720	910	1145	1411	1590	-	-	-	-	
H2				335	430	440	510	630	800	1050	1160	-	-	-	-	
D0				300	300	350	350	400	500	500	600	-	-	-	-	
B				505	560	610	770	965	1200	1370	1560	1740	1970	2260	2420	
B1				430	470	510	650	800	960	1090	1200	1350	1540	1700	1850	
B0				310	310	310	310	310	310	460	460	460	460	460	460	
Geared driving				BA-0	BA-0	BA-0	BA-0	BA-0	BA-1	BA-1	BA-1	BA-2	BA-2	BA-2	BA-2	
H3				108	125	145	165	220	280	330	380	430	480	530	580	
H1				158	190	225	255	330	410	490	570	650	735	810	905	
ANSI Class 900Lb																
L(RF)	254	279	305	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549
L(BW)	254	279	305	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549
H	325	405	503	550	618	693	810	1052	1263	1583	1698	-	-	-	-	-
H2	253	312	387	416	491	531	618	791	942	1136	1271	-	-	-	-	-
D0	250	300	300	350	400	500	600	650	700	800	1000	-	-	-	-	-
B	-	-	-	-	-	833	950	1212	1423	1813	1928	2230	-	-	-	-
B1	-	-	-	-	-	616	703	886	1037	1276	1411	1585	-	-	-	-
B0	-	-	-	-	-	305	305	458	458	458	458	458	-	-	-	-
H3	73	85	91	97	110	121	133	176	206	255	290	321	351	395	436	515
H1	100	128	40	147	184	216	266	418	508	600	726	775	871	966	1060	1416

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