



Global Consulting Inc.

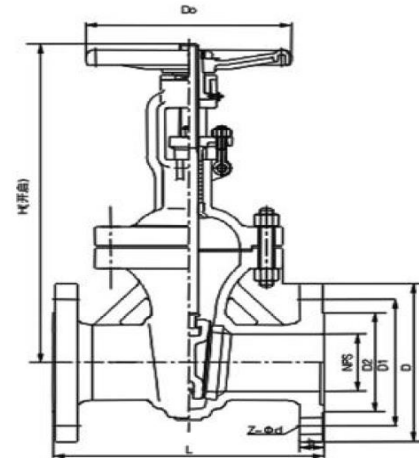
"Managing projects to success"

CAST STEEL VALVES



Global Consulting Inc.
"Managing Projects to Success"

CAST STEEL VALVES
CLASS 150, 300, 600, 900



Technical Standard

Desubg abd manufacture	Face to face end to end	Flange dimension	Butt welding dimension	Pressure temporaryre lating	Inspection and test
AP160	ANSI B16.10	ANSI B16.10	ANSI B16.25	ANSI B16.34	API 1598

Chief property and specification

(Lb)	Shell test		Water seal test		Air seal test	
	Mpa	Lbf/in ²	Mpa	Lbf/in ²	Mpa	Lbf/in ²
150	3.1	450	2.2	315	0.5~0.7	60~100
300	7.8	1125	5.6	815		
600	15.3	2225	11.2	1630		
900	23.1	3350	16.8	2440		
1500	38.4	5575	28.1	4080		
2500	64.6	9367	47.4	6873		

Material list

Body cover disc	Stem	Sealing face	Sealing shim	Packing	Working temperature	Suitable medium
WCB	2Cr13	13Cr STL with body material PTFE Nylon	13Cr Enhanced flexible 1Cr13/Flexible graphite SFB-2 08 08 Soft steel F304 F316 F304L F316L	Flesible graphite enchanced flexible graphite SFB/260 SFP/260 PTFE	≤ 425	water steam petroleum products
WC1	38CrMoAl				≤ 450	
WC6					≤ 540	
WC9					≤ 570	
C5 C12					≤ 540	
CF8	F304				≤ 600	Nitric acid aceic acid
CF3	F316					
CF8M	F304L					
CF3M	F316L					



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Main Dimension

DN		150 Lb			150 LbP		150 LbR			
mm	in	L	D	D1	D2	b	f	n-Ø d	H	D0
15	1/2"	108	90	60.3	34.9	9.6	1.6	4-16	158	100
20	3/4"	117	100	69.9	42.9	10.5	1.6	4-16	163	100
25	1"	127	110	79.4	50.8	11.2	1.6	4-16	193	125
32	1-1/4"	140	115	88.9	635	12.8	1.6	4-16	250	160
40	1-1/2"	165	125	98.4	73	14.3	1.6	4-16	285	160
50	2"	178	150	120.7	92.1	15.9	1.6	4-19	325	180
65	2-1/2"	190	180	139.7	104.8	17.5	1.6	4-19	350	190
80	3"	203	190	152.4	127	19.1	1.6	4-19	380	200
100	4"	229	230	190.5	157.2	23.9	1.6	8-19	460	230
125	5"	254	255	215.9	185.7	23.9	1.6	8-22	630	250
150	6"	267	280	241.3	215.9	25.4	1.6	2-22	635	260
200	8"	292	345	298.5	269.9	28.6	1.6	8-22	765	290
250	10"	330	405	362	323.8	30.2	1.6	12-26	895	330
300	12"	356	485	431.8	381	31.8	1.6	12-26	1080	350
350	14"	381	535	476.3	412.8	35	1.6	12-29	1295	380
400	16"	406	595	539.8	469.9	36.6	1.6	16-29	1435	400
450	18"	432	635	577.9	533.4	39.7	1.6	16-32	1625	430
500	20"	457	700	635	584.2	42.9	1.6	20-32	1830	450
600	24"	508	815	749.3	692.2	47.7	1.6	20-35	2175	500

DN		300 Lb			300 LbP		300 LbR			
mm	in	L	D	D1	D2	b	f	n-Ø d	H	W
15	1/2"	140	95	66.7	34.9	14.3	1.6	4-16	158	100
20	3/4"	152	115	82.6	42.9	15.9	1.6	4-19	163	100
25	1"	165	125	88.9	50.8	17.5	1.6	4-19	193	125
32	1-1/4"	178	135	98.4	36.5	19.1	1.6	4-19	250	160
40	1-1/2"	190	155	114.3	73	20.7	1.6	4-22	285	160
50	2"	216	165	127	92.1	22.3	1.6	8-19	325	200
65	2-1/2"	241	190	149.2	104.8	25.4	1.6	8-22	350	240
80	3"	282	210	168.3	127	28.6	1.6	8-22	380	280
100	4"	305	255	200	157.2	31.8	1.6	8-22	460	300
125	5"	381	280	325	185.7	35	1.6	8-22	630	380
150	6"	403	320	269.9	215.9	36.6	1.6	12-22	635	400
200	8"	419	380	330.2	269.9	41.3	1.6	12-26	765	410
250	10"	457	445	387.7	323.8	47.7	1.6	16-29	895	450
300	12"	502	520	450.8	381	50.8	1.6	16-32	1080	500
350	14"	762	585	514.4	412.8	54	1.6	20-32	1295	760
400	16"	838	650	571.5	469.9	57.2	1.6	20-35	1435	830
450	18"	914	710	628.6	533.4	60	1.6	24-35	1625	910
500	20"	991	775	685.8	584.2	63.5	1.6	24-35	1830	990
600	24"	1143	915	812.8	692.2	69.9	1.6	24-41	2175	1140



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