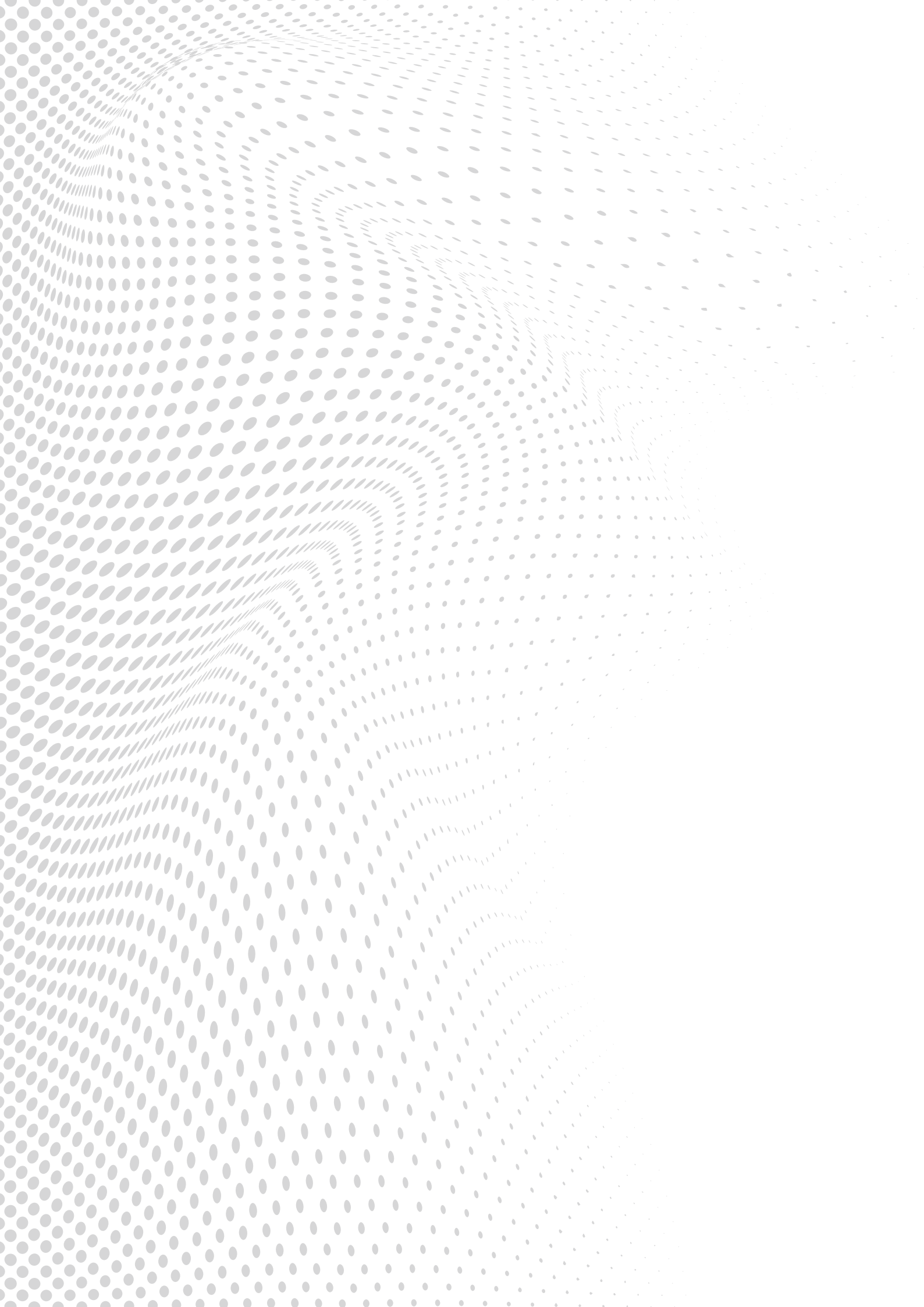




MCV

industrial valves, pipes & fittings

ASME
VALVES
CATALOGUE



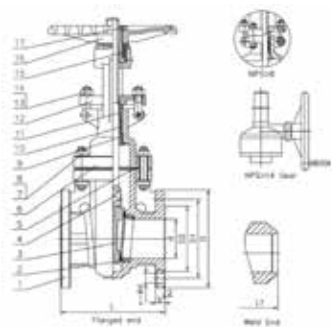
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CAST STEEL GATE VALVE ASME CLASS 150 LBS



DESCRIPTION

WEDGE GATE VALVE CLASS 150

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105+13Cr
3	WEDGE	ASTM A216 WCB + 13Cr
4	STEM	ASTM A182 F6a
5	GASKET	S.S. + GRAPHITE
6	BONNET	ASTM A216 WCB
7	BONNET BOLD	ASTM A193 B7
8	BONNET NUT	ASTM A194 2H
9	BACKSEAT	ASTM A276 420
10	PACKING	GRAPHITE
11	GLAND	ASTM A276 420
12	GLAND FLANGE	ASTM A216 WCB
13	EYEBOLT	ASTM A193 B7
14	GLAND NUT	ASTM A194 2H
15	STEM NUT	COPPER ALLOY
16	HAND WHEEL	DUCTION IRON
17	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1
INCHES	MM								
2"	50	51	152	102.5	92	16	4- 19	178	216
2 1/2"	65	64	178	139.5	105	18	4- 19	191	241
3"	80	76	190	152.5	127	19	4- 19	203	283
4"	100	102	229	190.5	157	24	8- 19	229	305
5"	125	127	254	216	186	24	8- 22	254	381
6"	150	152	279	241.5	216	26	8- 22	267	403
8"	200	203	343	298.5	270	29	8- 22	292	419
10"	250	254	406	362	324	31	12- 25	330	457
12"	300	305	483	432	381	32	12- 25	356	502
14"	350	337	533	476	413	35	12- 29	381	572
16"	400	387	597	540	470	37	16- 29	407	610
18"	450	438	635	578	533	40	16- 32	732	660
20"	500	489	699	635	584	43	20- 32	457	711
24"	600	591	813	749.5	692	48	20- 35	508	813
28"	700	686	927	863.6	800	71.5	28- 35	610	914
30"	750	737	984	914.4	857	75	28- 35	610	914
32"	800	781	1060	978	914.4	81	28- 41	711	965
36"	900	876	1168	1085.8	1022	91	32- 41	711	1016



DESCRIPTION

WEDGE GATE VALVE CLASS 300

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

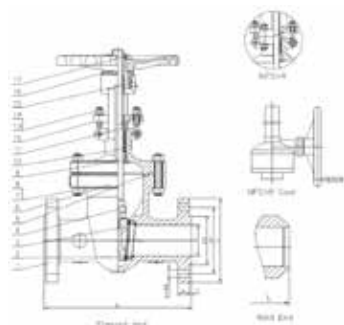
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105+13Cr
3	WEDGE	ASTM A216 WCB + 13Cr
4	STEM	ASTM A182 F6a
5	GASKET	S.S. + GRAPHITE
6	BONNET	ASTM A216 WCB
7	BONNET BOLD	ASTM A193 B7
8	BONNET NUT	ASTM A194 2H
9	BACKSEAT	ASTM A276 420
10	PACKING	GRAPHITE
11	GLAND	ASTM A276 420
12	GLAND FLANGE	ASTM A216 WCB
13	EYEBOLT	ASTM A193 B7
14	GLAND NUT	ASTM A194 2H
15	STEM NUT	COPPER ALLOY
16	HAND WHEEL	DUCTION IRON
17	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	23	8- 19	216
2 1/2"	65	64	190	149	105	26	8- 22	241
3"	80	76	210	168.5	127	29	8- 22	283
4"	100	102	254	200	157	32	8- 22	305
5"	125	127	279	235	186	35	8- 22	381
6"	150	152	318	270	216	37	12- 22	403
8"	200	203	381	330	270	42	12- 25	419
10"	250	254	445	387.50	324	48	16- 29	457
12"	300	305	521	451	381	51	16- 32	502
14"	350	337	584	514.5	413	54	20- 32	762
16"	400	387	648	571.5	470	58	20- 35	838
18"	450	432	711	628.5	533	61	24- 35	914
20"	500	483	775	686	584	64	24- 35	991
24"	600	584	914	813	692	70	24- 41	1143
30"	750	737	1092	997	857.3	92	28- 48	1397



CAST STEEL GATE VALVE ASME CLASS 600 LBS



DESCRIPTION

WEDGE GATE VALVE CLASS 600

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

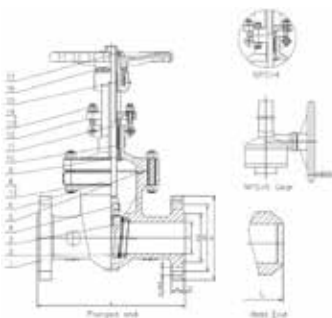
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105+13Cr
3	WEDGE	ASTM A216 WCB + 13Cr
4	STEM	ASTM A182 F6a
5	GASKET	S.S. + GRAPHITE
6	BONNET	ASTM A216 WCB
7	BONNET BOLD	ASTM A193 B7
8	BONNET NUT	ASTM A194 2H
9	BACKSEAT	ASTM A276 420
10	PACKING	GRAPHITE
11	GLAND	ASTM A276 420
12	GLAND FLANGE	ASTM A216 WCB
13	EYEBOLT	ASTM A193 B7
14	GLAND NUT	ASTM A194 2H
15	STEM NUT	COPPER ALLOY
16	HAND WHEEL	DUCTION IRON
17	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	26	8- 19	292
2 1/2"	65	64	190	149	100	29	8- 22	330
3"	80	76	210	168	127	32	8- 22	356
4"	100	102	273	216	157	38	8- 25	432
5"	125	127	330	266.5	186	45	8- 29	508
6"	150	152	356	292	216	48	12- 29	559
8"	200	200	419	349	270	56	12- 32	660
10"	250	248	508	432	324	64	16- 35	787
12"	300	298	559	489	381	67	20- 35	838
14"	350	327	603	527	413	70	20- 38	889
16"	400	375	686	603	470	77	20- 41	991
18"	450	419	743	654	533	83	20- 44	1092
20"	500	464	813	724	584	89	24- 44	1194
24"	600	559	940	838	692	102	24- 52	1397



DESCRIPTION

WEDGE GATE VALVE CLASS 900

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

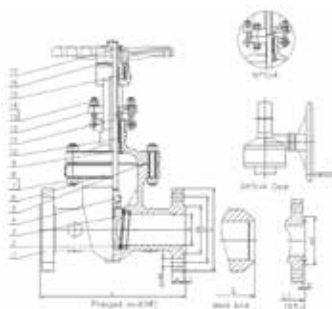
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105+13Cr
3	WEDGE	ASTM A216 WCB + 13Cr
4	STEM	ASTM A182 F6a
5	GASKET	S.S. + GRAPHITE
6	BONNET	ASTM A216 WCB
7	BONNET BOLD	ASTM A193 B7
8	BONNET NUT	ASTM A194 2H
9	BACKSEAT	ASTM A276 420
10	PACKING	GRAPHITE
11	GLAND	ASTM A276 420
12	GLAND FLANGE	ASTM A216 WCB
13	EYEBOLT	ASTM A193 B7
14	GLAND NUT	ASTM A194 2H
15	STEM NUT	COPPER ALLOY
16	HAND WHEEL	DUCTION IRON
17	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	47	216	165.1	92	38.5	8- 26	368
2 1/2"	65	57	244	190.5	105	41.5	8- 29	419
3"	80	73	241	190.5	127	38.5	8- 26	381
4"	100	98	292	234.9	157	44.5	8- 32	457
5"	125	121	349	279.4	186	51	8- 35	559
6"	150	146	381	317.5	216	56	12- 32	610
8"	200	190	470	393.7	270	63.5	12- 39	737
10"	250	238	545	469.9	324	70	16- 39	838
12"	300	282	610	533.4	381	79.5	20- 39	965
14"	350	311	640	558.8	413	86	20- 42	1029
16"	400	356	705	615.9	470	89	20- 45	1130
18"	450	400	785	685.8	533	102	20- 51	1219
20"	500	444	855	749.3	584	108	20- 54	1321
24"	600	533	1040	901.7	692	140	24- 67	1549



CAST STEEL GATE VALVE ASME CLASS 1500 LBS



DESCRIPTION

WEDGE GATE VALVE CLASS 1500

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

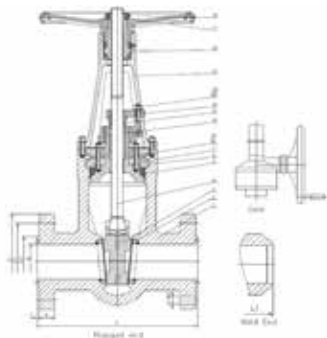
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105+13Cr
3	WEDGE	ASTM A216 WCB + 13Cr
4	STEM	ASTM A182 F6a
5	GASKET	S.S. + GRAPHITE
6	BONNET	ASTM A216 WCB
7	BONNET BOLD	ASTM A193 B7
8	BONNET NUT	ASTM A194 2H
9	BACKSEAT	ASTM A276 420
10	PACKING	GRAPHITE
11	GLAND	ASTM A276 420
12	GLAND FLANGE	ASTM A216 WCB
13	EYEBOLT	ASTM A193 B7
14	GLAND NUT	ASTM A194 2H
15	STEM NUT	COPPER ALLOY
16	HAND WHEEL	DUCTION IRON
17	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1	D3
INCHES	MM									
2"	50	47	216	165.1	92	38.5	8- 26	368	371	124
2 1/2"	65	57	244	190.5	105	41.5	8- 29	419	422	137
3"	80	70	267	203.2	127	48	8- 32	470	473	168
4"	100	92	311	241.3	157	54	8- 35	546	549	194
5"	125	111	375	292.1	186	73.5	8- 42	673	676	229
6"	150	136	394	317.5	216	83	12- 39	705	711	248
8"	200	178	483	393.7	270	93	12- 45	832	841	318
10"	250	222	585	482.6	324	108	12- 51	991	1000	371
12"	300	263	675	571.5	381	124	16- 54	1130	1146	438
14"	350	289	750	635	413	133.5	16- 61	1257	1276	489
16"	400	330	825	704.8	470	146.5	16- 67	1384	1407	546
18"	450	371	915	774.7	533	162	16- 74	1537	1559	613
20"	500	416	985	831.8	584	178	16- 80	1664	1686	673
24"	600	498	1170	990.6	692	203.5	16- 93	1943	1972	794



DESCRIPTION

WEDGE GATE VALVE CLASS 2500

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	ASTM A105+13Cr
3	WEDGE	ASTM A216 WCB + 13Cr
4	STEM	ASTM A182 F6a
5	SEAL RING	GRAPHITE
6	RING	SS
7	COVER	ASTM A105
8	BOLT	ASTM A193 B7
9	NUT	ASTM A194 2H
10	PACKING	GRAPHITE
11	GLAND	ASTM A276 420
12	GLAND FLANGED	ASTM A216 WCB
13	NUT	ASTM A194 2H
14	EYEBOLT	ASTM A193 B7
15	YOKE	ASTM A216 WCB
16	STEM NUT	COPPER ALLOY
17	HAND WHEEL	DUCTILE IRON
18	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1
INCHES	MM								
2"	50	235	171.4	133	51	7.92	8- 29	454	279
2 1/2"	65	267	196.8	149	57.5	9.52	8- 32	514	330
3"	80	305	228.6	168	67	9.52	8- 35	584	368
4"	100	356	273	203	76.5	11.1	8- 42	683	457
5"	125	419	323.8	241	92.5	12.7	8- 48	807	533
6"	150	483	368.3	279	108	12.7	8- 54	927	610
8"	200	550	438.1	340	127	14.3	12- 54	1038	762
10"	250	675	539.7	425	165.5	17.5	12- 67	1292	914
12"	300	760	619.1	495	184.5	17.5	16- 74	1445	1041



BUTTERFLY VALVE HIGH PERFORMANCE



MATERIALS

NO.	PART	MATERIAL
1	BODY	WCB.CF8.CF8M.CF3M
2	DISC	WCB.CF8.CF8M.CF3M
3	SEAT	PTFE.SS304.SS316
4	COVER IN THE SIDE	CF8M
5	STEM	SS416.SS304.SS316.SS316L
6	GLAND	CF8M
7	YOKE	CF8M
8	COVER IN THE END	CF8M

DIMENSION (MM)

DN	L	LA	H	D1	Q-M	A
50	245	162	43	125	4-M16	18
65	280	169	46	145	4-M16	18
80	300	185	46	160	8-M16	18
100	320	192	52	180	8-M16	18
125	345	200	55	210	8-M16	18
150	385	230	56	240	8-M20	23
200	471	297	60	295	12-M20	23
250	533	327	68	355	12-M24	27
300	606	364	78	410	12-M24	27



DESCRIPTION

FORGED GATE VALVE CLASS 150

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

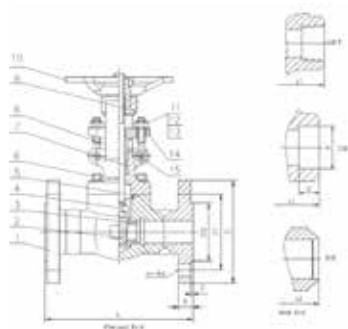
SOCKET WELD ENDS DIMENSIONS

ASME B16.11

THREAD END

ASME B1.20.1 Pressure Test: API 598

MATERIALS



NO.	PART	MATERIAL
1	BODY	ASTM A105
2	DISC	ASTM A182 F6a
3	SEAT	ASTM A182 F6a
4	STEM NUT	ASTM A182 F6a
5	GASKET	GRAPHITE+SS
6	BOLT	ASTM A193 B7
7	PACKING	GRAPHITE
8	BONNET	ASTM A105
9	STEM NUT	ASTM A276 410
10	HANWHEEL	ASTM A47
11	PIN	ASTM A276 420
12	BOLT	ASTM A193 B7
13	NUT	ASTM A194 2H
14	GLAND FLANGED	ASTM A105
15	GLAND FLANGED	ASTM A276 420

DIMENSION (MM)

DN		D	D1	D2	b	n-φd	L	L1	L2	D	E
INCHES	MM										
1/2"	15	89	60.5	35	12	4- 15	108	79	108	21.8	10
3/4"	20	98	70	43	12	4- 15	117	92	117	27.1	13
1"	25	108	79.5	51	12	4- 15	127	111	127	33.8	13
1 1/4"	32	117	89	64	13	4- 15	140	120	140	42.6	13
1 1/2"	40	127	98.5	73	15	4- 15	165	120	165	48.7	13
2"	50	152	120.5	92	16	4- 19	178	140	216	61.1	16
2 1/2"	65	178	139.5	105	18	4- 19	190	172	241	73.8	16



FORGED STEEL GATE VALVE CLASS 300 LBS



DESCRIPTION

FORGED GATE VALVE CLASS 300

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

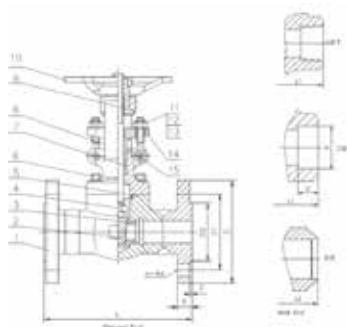
SOCKET WELD ENDS DIMENSIONS

ASME B16.11

THREAD END

ASME B1.20.1 Pressure Test: API 598

MATERIALS



NO.	PART	MATERIAL
1	BODY	ASTM A105
2	DISC	ASTM A182 F6a
3	SEAT	ASTM A182 F6a
4	STEM NUT	ASTM A182 F6a
5	GASKET	GRAPHITE+SS
6	BOLT	ASTM A193 B7
7	PACKING	GRAPHITE
8	BONNET	ASTM A105
9	STEM NUT	ASTM A276 410
10	HANWHEEL	ASTM A47
11	PIN	ASTM A276 420
12	BOLT	ASTM A193 B7
13	NUT	ASTM A194 2H
14	GLAND FLANGED	ASTM A105
15	GLAND FLANGED	ASTM A276 420

DIMENSION (MM)

DN		D	D1	D2	b	n-φd	L	L1	D	E
INCHES	MM									
1/2"	15	95	66.5	35	15	4- 15	140	79	21.8	10
3/4"	20	118	82.5	43	16	4- 19	152	92	27.1	13
1"	25	124	89	51	18	4- 19	165	111	33.8	13
1 1/4"	32	133	98.5	64	19	4- 19	178	120	42.6	13
1 1/2"	40	156	114.5	73	21	4- 22	190	120	48.7	13
2"	50	165	127	92	23	8- 19	216	140	61.1	16
2 1/2"	65	190	149	105	26	8- 22	241	152	73.8	16



DESCRIPTION

FORGED GATE VALVE CLASS 600

DESIGN AND MANUFACTURE
API 602

FACE TO FACE DIMENSIONS
ASME B16.10

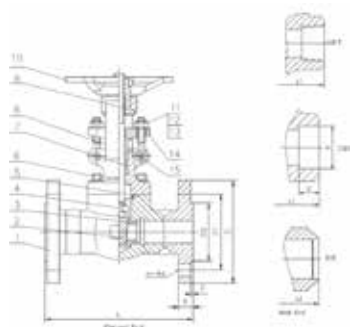
FLANGE ENDS DIMENSIONS
ASME B16.5

WELD ENDS DIMENSIONS
ASME B16.25

SOCKET WELD ENDS DIMENSIONS
ASME B16.11

THREAD END
ASME B1.20.1 Pressure Test: API 598

MATERIALS



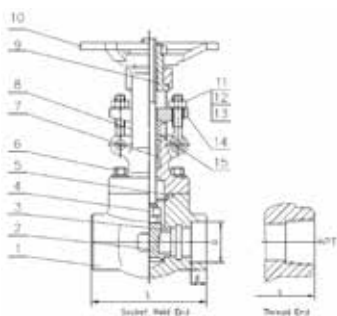
NO.	PART	MATERIAL
1	BODY	ASTM A105
2	DISC	ASTM A182 F6a
3	SEAT	ASTM A182 F6a
4	STEM NUT	ASTM A182 F6a
5	GASKET	GRAPHITE+SS
6	BOLT	ASTM A193 B7
7	PACKING	GRAPHITE
8	BONNET	ASTM A105
9	STEM NUT	ASTM A276 410
10	HANWHEEL	ASTM A47
11	PIN	ASTM A276 420
12	BOLT	ASTM A193 B7
13	NUT	ASTM A194 2H
14	GLAND FLANGED	ASTM A105
15	GLAND FLANGED	ASTM A276 420

DIMENSION (MM)

DN		D	D1	D2	b	n-φd	L	L1	D	E
INCHES	MM									
1/2"	15	95	66.5	35	15	4- 15	165	79	21.8	10
3/4"	20	118	82.5	43	16	4- 19	190	92	27.1	13
1"	25	124	89	51	18	4- 19	216	111	33.8	13
1 1/4"	32	133	98.5	64	21	4- 19	229	120	42.6	13
1 1/2"	40	156	114.5	73	23	4- 22	241	120	48.7	13
2"	50	165	127	92	26	8- 19	292	140	61.1	16
2 1/2"	65	190	149	100	29	8- 22	330	152	73.8	16



FORGED STEEL GATE VALVE CLASS 800 LBS



DESCRIPTION

FORGED GATE VALVE CLASS 800

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

MFG

SOCKET WELD ENDS DIMENSIONS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

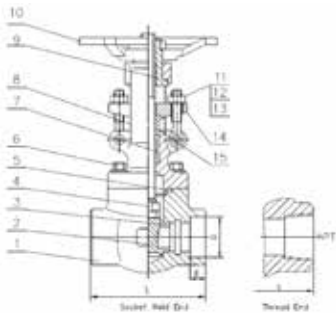
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105
2	DISC	ASTM A182 F6a
3	SEAT	ASTM A182 F6a
4	STEM NUT	ASTM A182 F6a
5	GASKET	GRAPHITE+SS
6	BOLT	ASTM A193 B7
7	PACKING	GRAPHITE
8	BONNET	ASTM A105
9	STEM NUT	ASTM A276 410
10	HANWHEEL	ASTM A47
11	PIN	ASTM A276 420
12	BOLT	ASTM A193 B7
13	NUT	ASTM A194 2H
14	GLAND FLANGED	ASTM A105
15	GLAND FLANGED	ASTM A276 420

DIMENSION (MM)

DN		L	D	E
INCHES	MM			
1/2"	15	79	21.8	10
3/4"	20	92	27.1	13
1"	25	111	33.8	13
1 1/4"	32	120	42.6	13
1 1/2"	40	120	48.7	13
2"	50	140	61.1	16
2 1/2"	65	152	73.8	16



DESCRIPTION

FORGED GATE VALVE CLASS 900-1500

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

MFG

SOCKET WELD ENDS DIMENSIONS
ASME B16.11

THREAD END
ASME B1.20.1

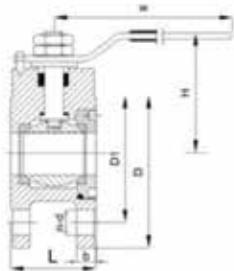
PRESSURE TEST
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105
2	DISC	ASTM A182 F6a
3	SEAT	ASTM A182 F6a
4	STEM NUT	ASTM A182 F6a
5	GASKET	GRAPHITE+SS
6	BOLT	ASTM A193 B7
7	PACKING	GRAPHITE
8	BONNET	ASTM A105
9	STEM NUT	ASTM A276 410
10	HANWHEEL	ASTM A47
11	PIN	ASTM A276 420
12	BOLT	ASTM A193 B7
13	NUT	ASTM A194 2H
14	GLAND FLANGED	ASTM A105
15	GLAND FLANGED	ASTM A276 420

DIMENSION (MM)

DN		L	D	E
INCHES	MM			
1/2"	15	111	21.8	10
3/4"	20	111	27.1	13
1"	25	120	33.8	13
1 1/4"	32	120	42.6	13
1 1/2"	40	140	48.7	13
2"	50	170	61.1	16
2 1/2"	65	200	73.8	16



DESCRIPTION

WORKING PRESSURE
PN16/25; 150 PSI

TEMPERATURE RANGE
-20°C - 232°C

SUITABLE MEDIUM

Water, oil, air and some corrosive liquid

MATERIALS

NO	PART	MATERIAL
1	BODY	WCB/CF8M
2	BALL	304/316
3	SEAT	PTFE
4	STEM	304/316
5	STEM PACKING	PTFE
6	POSITION	304
7	HANDLE	304
8	STEM NUT	304
9	GLAND	304
10	HANDLE COVER	PLASTIC
11	ANTI STATIC DEVICE	304
12	WASHER	PTFE

DIMENSION (MM)

	DN	L	D	D1	n-d	b	H	W
1.6 Mpa	15	35	95	65	4-12	-	60	120
	20	38	105	75	4-12	-	65	120
	25	42	115	85	4-M12	10	70	140
	32	52	135	100	4-M16	18	0	170
	40	62	145	110	4-M16	18	95	200
	50	72	160	125	4-M16	18	128	240
	65	96	180	145	4-M16	20	135	280
	80	118	195	160	8-M16	22	145	320
	100	138	215	180	8-M16	24	160	400
	125	200	245	210	8-M16	26	177	580
	150	225	280	240	8-M20	28	237	700
2.5 Mpa	200	275	335	295	12-M20	30	280	700
	15	35	95	65	4-12	-	65	120
	20	38	105	75	4-12	-	71	120
	25	42	115	85	4-M12	10	76	140
	32	52	135	100	4-M16	18	98	170
	40	62	145	110	4-M16	18	105	200
	50	72	160	125	4-M16	18	128	240
	65	96	180	145	4-M16	20	145	280
	80	118	195	160	8-M16	22	170	320
	100	138	230	190	8-M16	24	185	400
	125	200	270	220	8-M16	26	205	450
	150	225	300	250	8-M20	28	225	500
	200	275	360	310	12-M20	30	240	600



DESCRIPTION

FLOATING BALL VALVE CLASS 150

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

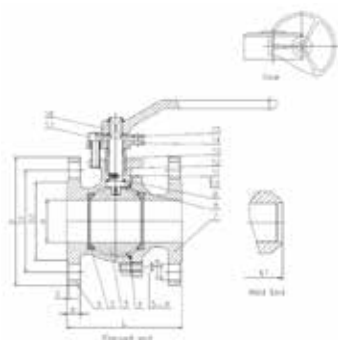
WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS



NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	PTFE
3	BALL	ASTM A105+ENP
4	GASKET	S.S. + GRAPHITE
5	BONNET BOLT	ASTM A193 B7
6	BONNET NUT	ASTM A194 2H
7	BONNET	ASTM A216 WCB
8	STEM	ASTM A276 420
9	THRUST	PTFE
10	BALL	S.S.
11	SPRING	S.S.
12	PACKING	GRAPHITE
13	GLAND	ASTM A276 420
14	GLAND FLANGE	ASTM A216 WCB
15	LIMITE PLATE	STEEL
16	HANDER	ASTM A216 WCB
17	BOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1
INCHES	MM								
1/2"	15	13	89	60.5	35	12	4- 15	108	140
3/4"	20	19	98	70	43	12	4- 15	117	152
1"	25	25	108	79.5	51	12	4- 15	127	165
1 1/4"	32	32	117	89	64	13	4- 15	140	178
1 1/2"	40	40	127	98.5	73	15	4- 15	165	190
2"	50	51	152	120.5	92	16	4- 19	178	216
2 1/2"	65	64	178	139.5	105	18	4- 19	191	241
3"	80	76	190	152.5	127	19	4- 19	203	283
4"	100	102	229	190.5	157	24	8- 19	229	305
5"	125	127	254	216	186	24	8- 22	254	381
6"	150	152	279	241.5	216	26	8- 22	394	457
8"	200	203	343	298.5	270	29	8- 22	457	521
10"	250	254	406	362	324	31	12- 25	533	559



FLOATING BALL VALVE ASME CLASS 300 LBS



DESCRIPTION

FLOATING BALL VALVE CLASS 300

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

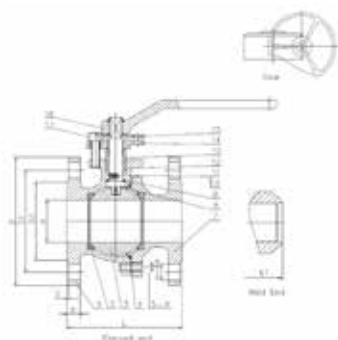
WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS



NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	PTFE
3	BALL	ASTM A105+ENP
4	GASKET	S.S. + GRAPHITE
5	BONNET BOLT	ASTM A193 B7
6	BONNET NUT	ASTM A194 2H
7	BONNET	ASTM A216 WCB
8	STEM	ASTM A276 420
9	THRUST	PTFE
10	BALL	S.S.
11	SPRING	S.S.
12	PACKING	GRAPHITE
13	GLAND	ASTM A276 420
14	GLAND FLANGE	ASTM A216 WCB
15	LIMITE PLATE	STEEL
16	HANDER	ASTM A216 WCB
17	BOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1
INCHES	MM								
1/2"	15	13	95	66.5	35	15	4- 15	140	140
3/4"	20	19	118	82.5	43	16	4- 19	152	152
1"	25	25	124	89	51	18	4- 19	165	165
1 1/4"	32	32	133	98.5	64	19	4- 19	178	178
1 1/2"	40	40	156	114.5	73	21	4- 22	190	190
2"	50	51	165	127	92	23	8- 19	216	216
2 1/2"	65	64	190	149	105	26	8- 22	241	241
3"	80	76	210	168.5	127	29	8- 22	283	283
4"	100	102	254	200	157	32	8- 22	305	305
5"	125	127	279	235	186	35	8- 22	381	381
6"	150	152	318	270	216	37	12- 22	403	403
8"	200	203	381	330	270	42	12- 25	502	521



DESCRIPTION

FLOATING BALL VALVE CLASS 600

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

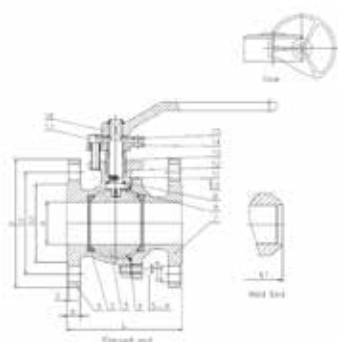
WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS



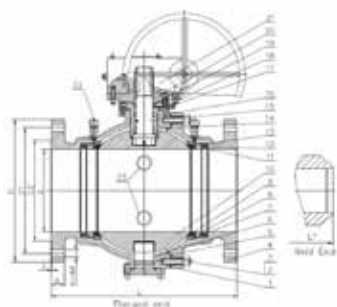
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT RING	PTFE
3	BALL	ASTM A105+ENP
4	GASKET	S.S. + GRAPHITE
5	BONNET BOLT	ASTM A193 B7
6	BONNET NUT	ASTM A194 2H
7	BONNET	ASTM A216 WCB
8	STEM	ASTM A276 420
9	THRUST	PTFE
10	BALL	S.S.
11	SPRING	S.S.
12	PACKING	GRAPHITE
13	GLAND	ASTM A276 420
14	GLAND FLANGE	ASTM A216 WCB
15	LIMITE PLATE	STEEL
16	HANDER	ASTM A216 WCB
17	BOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L/L1
INCHES	MM							
1/2"	15	13	95	66.5	35	15	4- 15	165
3/4"	20	19	118	82.5	43	16	4- 19	190
1"	25	25	124	89	51	18	4- 19	216
1 1/4"	32	32	133	98.5	64	21	4- 19	229
1 1/2"	40	40	156	114.5	73	23	4- 22	241
2"	50	51	165	127	92	26	8- 19	292
2 1/2"	65	64	190	149	100	29	8- 22	330
3"	80	76	210	168	127	32	8- 22	356
4"	100	102	273	216	157	38	8- 25	432
5"	125	127	330	266.5	186	45	8- 29	508
6"	150	152	356	292	216	48	12- 29	660



TRUNNION BALL VALVE ASME CLASS 150



DESCRIPTION

TRUNNION BALL VALVE CLASS 150

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

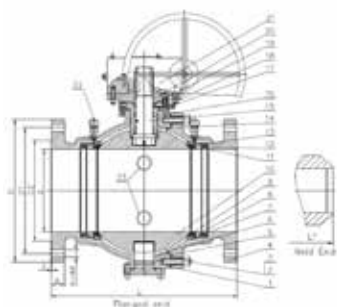
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	BONNET BOLT	ASTM A193 B7
3	BONNET NUT	ASTM A194 2H
4	BONNET	ASTM A216 WCB
5	GASKET	SS + GRAPHITE
6	FIXED SHAFT	ASTM A105
7	O-RING	VITON
8	SEAT	ASTM A105
9	SEAT INSERT	PTFE
10	BALL	ASTM A105 + ENP
11	BLOCK	ASTM A105
12	SPRING	S.S
13	GASKET	GRAPHITE
14	BEARING	PTFE + STEEL
15	STEM NUT	ASTM A276 420
16	O-RING	VITON
17	INJECT PLUG	C.S.
18	STUFF BOX	ASTM A105
19	PACKING	GRAPHITE
20	PLAT	ASTM A216 WCB
21	WORM GEAR	ASSEMBLY
22	INJECT PLUG	C.S.
23	DRAIN/PLU	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1
INCHES	MM								
4"	100	102	229	190.5	157	24	8- 19	229	305
5"	125	127	254	216	186	24	8- 22		
6"	150	152	279	241.5	216	26	8- 22	394	457
8"	200	203	343	298.5	270	29	8- 22	457	521
10"	250	254	406	362	324	31	12- 25	533	559
12"	300	305	483	432	381	32	12- 25	610	635
14"	350	337	533	476	413	35	12- 29	686	762
16"	400	387	597	540	470	37	16- 29	762	838
18"	450	438	635	578	533	40	16- 32	864	914
20"	500	489	699	635	584	43	20- 32	914	991



DESCRIPTION

TRUNNION BALL VALVE CLASS 300

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

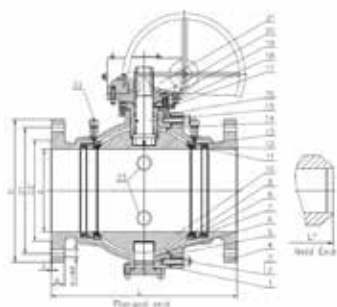
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	BONNET BOLT	ASTM A193 B7
3	BONNET NUT	ASTM A194 2H
4	BONNET	ASTM A216 WCB
5	GASKET	SS + GRAPHITE
6	FIXED SHAFT	ASTM A105
7	O-RING	VITON
8	SEAT	ASTM A105
9	SEAT INSERT	PTFE
10	BALL	ASTM A105 + ENP
11	BLOCK	ASTM A105
12	SPRING	S.S
13	GASKET	GRAPHITE
14	BEARING	PTFE + STEEL
15	STEM NUT	ASTM A276 420
16	O-RING	VITON
17	INJECT PLUG	C.S.
18	STUFF BOX	ASTM A105
19	PACKING	GRAPHITE
20	PLAT	ASTM A216 WCB
21	WORM GEAR	ASSEMBLY
22	INJECT PLUG	C.S.
23	DRAIN/PLU	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1
INCHES	MM								
4"	100	102	254	200	157	32	8- 22	305	-
5"	125	127	279	235	186	35	8- 22	-	-
6"	150	152	318	270	216	37	12- 22	403	403
8"	200	203	381	330	270	42	12- 22	502	521
10"	250	254	445	387.5	324	48	16- 29	568	559
12"	300	305	521	451	381	51	16- 32	648	635
14"	350	337	584	514.5	413	54	20- 32	762	762
16"	400	387	648	571.5	470	58	20- 35	838	838



TRUNNION BALL VALVE ASME CLASS 600



DESCRIPTION

TRUNNION BALL VALVE CLASS 600

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

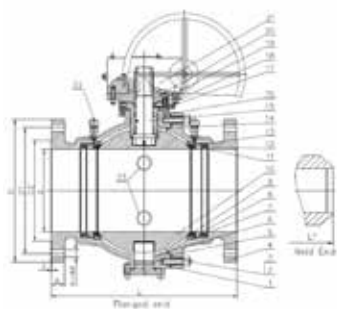
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	BONNET BOLT	ASTM A193 B7
3	BONNET NUT	ASTM A194 2H
4	BONNET	ASTM A216 WCB
5	GASKET	SS + GRAPHITE
6	FIXED SHAFT	ASTM A105
7	O-RING	VITON
8	SEAT	ASTM A105
9	SEAT INSERT	PTFE
10	BALL	ASTM A105 + ENP
11	BLOCK	ASTM A105
12	SPRING	S.S
13	GASKET	GRAPHITE
14	BEARING	PTFE + STEEL
15	STEM NUT	ASTM A276 420
16	O-RING	VITON
17	INJECT PLUG	C.S.
18	STUFF BOX	ASTM A105
19	PACKING	GRAPHITE
20	PLAT	ASTM A216 WCB
21	WORM GEAR	ASSEMBLY
22	INJECT PLUG	C.S.
23	DRAIN/PLU	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
3"	80	76	210	168	127	32	8- 22	356
4"	100	102	273	216	157	38	8- 25	432
5"	125	127	330	266.5	186	45	8- 29	-
6"	150	152	356	292	216	48	12- 29	559
8"	200	203	419	349	270	56	12- 32	660
10"	250	254	508	432	324	64	16- 35	787
12"	300	305	559	489	381	67	20- 35	838
14"	350	337	603	527	413	70	20- 38	889
16"	400	387	686	603	470	77	20- 41	991



DESCRIPTION

TRUNNION BALL VALVE CLASS 900

DESIGN AND MANUFACTURE

API 6D

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

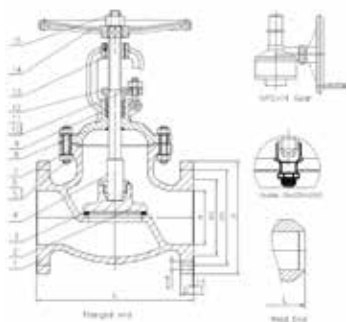
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	BONNET BOLT	ASTM A193 B7
3	BONNET NUT	ASTM A194 2H
4	BONNET	ASTM A216 WCB
5	GASKET	SS + GRAPHITE
6	FIXED SHAFT	ASTM A105
7	O-RING	VITON
8	SEAT	ASTM A105
9	SEAT INSERT	PTFE
10	BALL	ASTM A105 + ENP
11	BLOCK	ASTM A105
12	SPRING	S.S
13	GASKET	GRAPHITE
14	BEARING	PTFE + STEEL
15	STEM NUT	ASTM A276 420
16	O-RING	VITON
17	INJECT PLUG	C.S.
18	STUFF BOX	ASTM A105
19	PACKING	GRAPHITE
20	PLAT	ASTM A216 WCB
21	WORM GEAR	ASSEMBLY
22	INJECT PLUG	C.S.
23	DRAIN/PLU	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
4"	100	98	292	234.9	181	44.5	8- 32	460
6"	150	146	381	317.5	241	56	12- 32	613
8"	200	190	470	393.7	308	63.5	12- 39	740
10"	250	238	545	469.9	362	70	16- 39	841
12"	300	282	610	533.4	419	79.5	20- 39	968
14"	350	311	640	558.8	467	86	20- 42	1038



CAST STEEL GLOBE VALVE ASME 150 LBS



DESCRIPTION

CAST STEEL GLOBE VALVE ASME 150

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

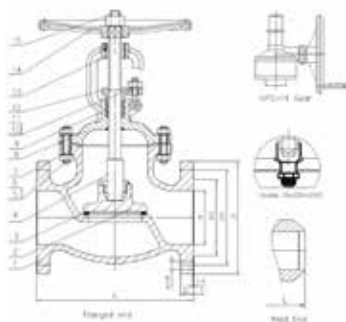
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	DISC	ASTM A216 WCB+13Cr
3	SEAT RING	ASTM A105+13Cr
4	STEM	ASTM A182 F6a
5	BONNET BOLT	ASTM A193 B7
6	BONNET NUT	ASTM A194 2H
7	GASKET	SS+GRAPHITE
8	BONNET	ASTM A216 WCB
9	PACKING	GRAPHITE
10	EYEBOLT	ASTM A193 B7
11	NUT	ASTM A194 2H
12	PACKING GLAND	ASTM A216 WCB
13	STEM NUT	COPPER ALLOY
14	HAND WHEEL	DUCTILE IRON
15	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	152	120.5	92	16	4- 19	203
2 1/2"	65	64	178	139.5	105	18	4- 19	216
3"	80	76	190	152.5	127	19	4- 19	241
4"	100	102	229	190.5	157	24	8- 19	292
5"	125	127	254	216	186	24	8- 22	356
6"	150	152	279	241.5	216	26	8- 22	406
8"	200	203	343	298.5	270	29	8- 22	495
10"	250	254	406	362	324	31	12- 25	622
12"	300	305	483	432	381	32	12- 25	698
14"	350	337	533	476	413	35	12- 29	787
16"	400	387	597	540	470	37	16- 29	914
18"	450	438	635	578	533	40	16- 32	978
20"	500	489	699	635	584	43	20- 32	1016



DESCRIPTION

CAST STEEL GLOBE VALVE ASME 300

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

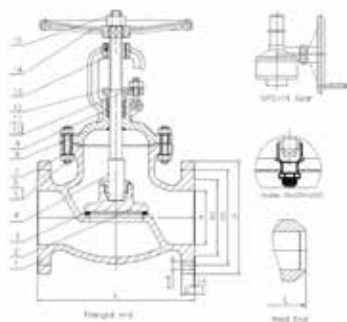
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	DISC	ASTM A216 WCB+13Cr
3	SEAT RING	ASTM A105+13Cr
4	STEM	ASTM A182 F6a
5	BONNET BOLT	ASTM A193 B7
6	BONNET NUT	ASTM A194 2H
7	GASKET	SS+GRAPHITE
8	BONNET	ASTM A216 WCB
9	PACKING	GRAPHITE
10	EYEBOLT	ASTM A193 B7
11	NUT	ASTM A194 2H
12	PACKING GLAND	ASTM A216 WCB
13	STEM NUT	COPPER ALLOY
14	HAND WHEEL	DUCTILE IRON
15	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	23	8- 19	267
2 1/2"	65	64	190	149	105	26	8- 22	292
3"	80	76	210	168.5	127	29	8- 22	318
4"	100	102	254	200	157	32	8- 22	356
5"	125	127	279	235	186	35	8- 22	400
6"	150	152	318	270	216	37	12- 22	445
8"	200	203	381	330	270	42	12- 25	559
10"	250	254	445	387.5	324	48	16- 29	622
12"	300	305	521	451	381	51	16- 32	711
14"	350	337	584	514.5	413	54	20- 32	838
16"	400	387	648	571.5	470	58	20- 35	864
18"	450	438	711	628.5	533	61	24- 35	978
20"	500	489	775	686	584	64	24- 35	1016



CAST STEEL GLOBE VALVE ASME 600 LBS



DESCRIPTION

CAST STEEL GLOBE VALVE ASME 600

DESIGN AND MANUFACTURE

API 600

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5/B16.47

WELD ENDS DIMENSIONS

ASME B16.25

PRESSURE TEST

API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	DISC	ASTM A216 WCB+13Cr
3	SEAT RING	ASTM A105+13Cr
4	STEM	ASTM A182 F6a
5	BONNET BOLT	ASTM A193 B7
6	BONNET NUT	ASTM A194 2H
7	GASKET	SS+GRAPHITE
8	BONNET	ASTM A216 WCB
9	PACKING	GRAPHITE
10	EYEBOLT	ASTM A193 B7
11	NUT	ASTM A194 2H
12	PACKING GLAND	ASTM A216 WCB
13	STEM NUT	COPPER ALLOY
14	HAND WHEEL	DUCTILE IRON
15	LOCK NUT	ANSI 1020

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	26	8- 19	292
2 1/2"	65	64	190	149	100	29	8- 22	330
3"	80	76	210	168	127	32	8- 22	356
4"	100	102	273	216	157	38	8- 25	432
5"	125	127	330	266.5	186	45	8- 29	508
6"	150	152	356	292	216	48	12- 29	559
8"	200	203	419	349	270	56	12- 32	660
10"	250	254	508	432	324	64	16- 35	787
12"	300	305	559	489	381	67	20- 35	838
14"	350	337	603	527	413	70	20- 38	889
16"	400	387	686	603	470	77	20- 41	991



DESCRIPTION

FORGED STEEL GLOBE VALVE CLASS 150

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

API 598

MATERIALS

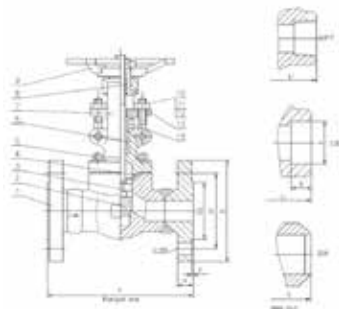
NO.	PART	MATERIAL
1	BODY	ASTM A105N
2	DISC	ASTM A182 F6a
3	STEM	ASTM A182 F6a
4	GASKET	GRAPHITE
5	BOLT	ASTM A193 B7
6	PACKING	GRAPHITE
7	BONNET	ASTM A105N
8	STEM NUT	ASTM A276 410
9	HAND WHEEL	ASTM A47
10	PIN	ASTM A276 420
11	BOLT	ASTM A193 B7
12	NUT	ASTM A194 2H
13	GLAND FLANGED	ASTM A105N
14	GLAND	ASTM A276 420

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	D	E
INCHES	MM									
1/2"	15	89	60.5	35	12	4- 15	108	79	21.8	10
3/4"	20	98	70	43	12	4- 15	117	92	27.1	13
1"	25	108	79.5	51	12	4- 15	127	111	33.8	13
1 1/4"	32	117	89	64	13	4- 15	140	120	42.6	13
1 1/2"	40	127	98.5	73	15	4- 15	165	152	48.7	13
2"	50	152	120.5	92	16	4- 19	203	172	61.1	16
2 1/2"	65	178	139.5	105	18	4- 19	216	200	73.8	16



FORGED STEEL GLOBE VALVE CLASS 300 LBS



DESCRIPTION

FORGED STEEL GLOBE VALVE CLASS 300

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105N
2	DISC	ASTM A182 F6a
3	STEM	ASTM A182 F6a
4	GASKET	GRAPHITE
5	BOLT	ASTM A193 B7
6	PACKING	GRAPHITE
7	BONNET	ASTM A105N
8	STEM NUT	ASTM A276 410
9	HAND WHEEL	ASTM A47
10	PIN	ASTM A276 420
11	BOLT	ASTM A193 B7
12	NUT	ASTM A194 2H
13	GLAND FLANGED	ASTM A105N
14	GLAND	ASTM A276 420

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	D	E
INCHES	MM									
1/2"	15	95	66.5	35	15	4- 15	152	79	21.8	10
3/4"	20	118	82.5	43	16	4- 19	178	92	27.1	13
1"	25	124	89	51	18	4- 19	203	111	33.8	13
1 1/4"	32	133	98.5	64	19	4- 19	216	120	42.6	13
1 1/2"	40	156	114.5	73	21	4- 22	229	152	48.7	13
2"	50	165	127	92	23	8- 19	267	172	61.1	16
2 1/2"	65	190	149	105	26	8- 22	292	200	73.8	16



DESCRIPTION

FORGED STEEL GLOBE VALVE CLASS 600

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

API 598

MATERIALS

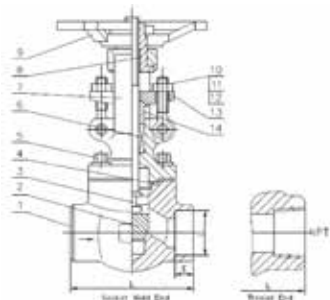
NO.	PART	MATERIAL
1	BODY	ASTM A105N
2	DISC	ASTM A182 F6a
3	STEM	ASTM A182 F6a
4	GASKET	GRAPHITE
5	BOLT	ASTM A193 B7
6	PACKING	GRAPHITE
7	BONNET	ASTM A105N
8	STEM NUT	ASTM A276 410
9	HAND WHEEL	ASTM A47
10	PIN	ASTM A276 420
11	BOLT	ASTM A193 B7
12	NUT	ASTM A194 2H
13	GLAND FLANGED	ASTM A105N
14	GLAND	ASTM A276 420

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	D	E
INCHES	MM									
1/2"	15	95	66.5	35	15	4- 15	165	79	21.8	10
3/4"	20	118	82.5	43	16	4- 19	190	92	27.1	13
1"	25	124	89	51	18	4- 19	216	111	33.8	13
1 1/4"	32	133	98.5	64	21	4- 19	229	120	42.6	13
1 1/2"	40	156	114.5	73	23	4- 22	241	152	48.7	13
2"	50	165	127	92	26	8- 19	292	172	61.1	16
2 1/2"	65	190	149	105	29	8- 22	330	200	73.8	16



FORGED STEEL GLOBE VALVE CLASS 800 LBS



DESCRIPTION

FORGED STEEL GLOBE VALVE CLASS 800

SOCKET WELD ENDS
ASME B16.11

DESIGN AND MANUFACTURE
API 602

THREAD END
ASME B1.20.1

FACE TO FACE DIMENSIONS
MFG

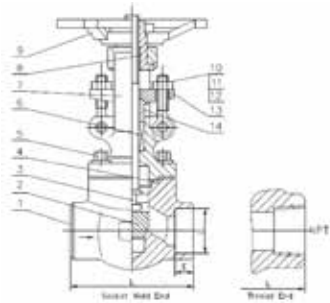
PRESSURE TEST
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105N+13Cr
2	DISC	ASTM A182 F6a
3	STEM	ASTM A182 F6a
4	GASKET	GRAPHITE
5	BOLT	ASTM A193 B7
6	PACKING	GRAPHITE
7	BONNET	ASTM A105N
8	STEM NUT	ASTM A276 410
9	HAND WHEEL	ASTM A47
10	PIN	ASTM A276 420
11	BOLT	ASTM A193 B7
12	NUT	ASTM A194 2H
13	GLAND FLANGED	ASTM A105N
14	GLAND	ASTM A276 420

DIMENSION (MM)

DN		L	D	E
INCHES	MM			
1/2"	15	79	21.8	10
3/4"	20	92	27.1	13
1"	25	111	33.8	13
1 1/4"	32	120	42.6	13
1 1/2"	40	152	48.7	13
2"	50	172	61.1	16
2 1/2"	65	200	73.8	16



DESCRIPTION

FORGED STEEL GLOBE VALVE
CLASS 900-1500

DESIGN AND MANUFACTURE
API 602

FACE TO FACE DIMENSIONS
MFG

SOCKET WELD ENDS
ASME B16.11

THREAD END
ASME B1.20.1

PRESSURE TEST
API 598

MATERIALS

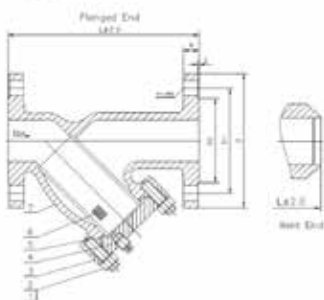
NO.	PART	MATERIAL
1	BODY	ASTM A105N+13Cr
2	DISC	ASTM A182 F6a
3	STEM	ASTM A182 F6a
4	GASKET	GRAPHITE
5	BOLT	ASTM A193 B7
6	PACKING	GRAPHITE
7	BONNET	ASTM A105N
8	STEM NUT	ASTM A276 410
9	HAND WHEEL	ASTM A47
10	PIN	ASTM A276 420
11	BOLT	ASTM A193 B7
12	NUT	ASTM A194 2H
13	GLAND FLANGED	ASTM A105N
14	GLAND	ASTM A276 420

DIMENSION (MM)

DN		L	D	E
INCHES	MM			
1/2"	15	111	21.8	10
3/4"	20	111	27.1	13
1"	25	120	33.8	13
1 1/4"	32	152	42.6	13
1 1/2"	40	172	48.7	13
2"	50	220	61.1	16
2 1/2"	65	220	73.8	16



CAST STEEL Y-STRAINER ASME CLASS 150



DESCRIPTION

**CAST STEEL Y-STRAINER ASME
CLASS 150**

**DESIGN AND MANUFACTURE
ASME B16.34**

**FACE TO FACE DIMENSIONS
ASME B16.10**

**FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47**

**WELD ENDS DIMENSIONS
ASME B16.25**

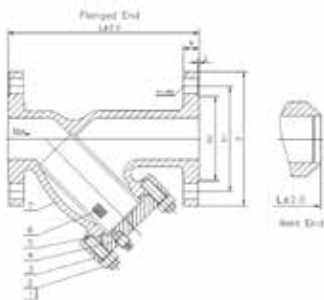
**PRESSURE TEST
API 598**

MATERIALS

NO	PART	MATERIAL
1	BONNET NUT	ASTM A194 2H
2	BONNET BOLT	ASTM A193 B7
3	BONNET	ASTM A216 WCB
4	PLUG	CS
5	GASKET	SS + GRAPHITE
6	MESH	SS 304
7	BODY	ASTM A216 WCB

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	152	120.5	92	16	4- 19	203
2 1/2"	65	64	178	139.5	105	18	4- 19	216
3"	80	76	190	152.5	127	19	4- 19	241
4"	100	102	229	190.5	157	24	8- 19	292
5"	125	127	254	216	186	24	8- 22	356
6"	150	152	279	241.5	216	26	8- 22	406
8"	200	203	343	298.5	270	29	8- 22	495
10"	250	254	406	362	324	31	12- 25	622
12"	300	305	483	432	381	32	12- 25	698
14"	350	337	533	476	413	35	12- 29	787
16"	400	387	597	540	470	37	16- 29	914
18"	450	438	635	578	533	40	16- 32	978
20"	500	489	699	635	584	43	20- 32	978
24"	600	591	813	749.5	692	48	20- 35	1295
28"	700	686	927	863.6	800	71.5	28- 35	1448
30"	750	737	984	914.4	857	75	28- 35	1524



DESCRIPTION

**CAST STEEL Y-STRAINER ASME
CLASS 300**

**DESIGN AND MANUFACTURE
ASME B16.34**

**FACE TO FACE DIMENSIONS
ASME B16.10**

**FLANGE ENDS DIMENSIONS
ASME B16.5**

**WELD ENDS DIMENSIONS
ASME B16.25**

**PRESSURE TEST
API 598**

MATERIALS

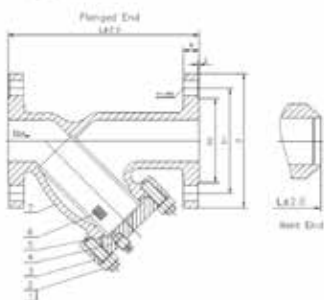
NO	PART	MATERIAL
1	BONNET NUT	ASTM A194 2H
2	BONNET BOLT	ASTM A193 B7
3	BONNET	ASTM A216 WCB
4	PLUG	CS
5	GASKET	SS + GRAPHITE
6	MESH	SS 304
7	BODY	ASTM A216 WCB

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	23	8- 19	267
2 1/2"	65	64	190	149	105	26	8- 19	292
3"	80	76	210	168.5	127	29	8- 22	318
4"	100	102	254	200	157	32	8- 22	356
5"	125	127	279	235	186	35	8- 22	400
6"	150	152	318	270	216	37	8- 22	444
8"	200	203	381	330	270	42	12- 25	559
10"	250	254	445	387.50	324	48	16- 29	622
12"	300	305	521	451	381	51	16- 32	711
14"	350	337	584	514.5	413	54	20- 32	838
16"	400	387	648	571.5	470	58	20- 35	864
18"	450	432	711	628.5	533	61	24- 35	978
20"	500	483	775	686	584	64	24- 35	1016
24"	600	584	914	813	692	70	24- 41	1346



CAST STEEL Y-STRAINER ASME CLASS 600



DESCRIPTION

CAST STEEL Y-STRAINER ASME
CLASS 600

DESIGN AND MANUFACTURE
ASME B16.34

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

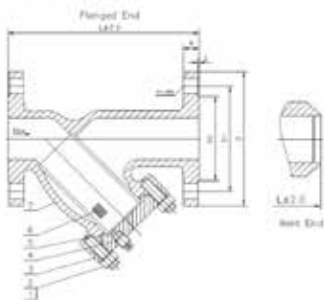
PRESSURE TEST
API 598

MATERIALS

NO	PART	MATERIAL
1	BONNET NUT	ASTM A194 2H
2	BONNET BOLT	ASTM A193 B7
3	BONNET	ASTM A216 WCB
4	PLUG	CS
5	GASKET	SS + GRAPHITE
6	MESH	SS 304
7	BODY	ASTM A216 WCB

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	26	8- 19	292
2 1/2"	65	64	190	149	105	29	8- 22	330
3"	80	76	210	168	127	32	8- 22	356
4"	100	102	273	216	157	38	8- 25	432
5"	125	127	330	266.5	186	45	8- 29	508
6"	150	152	356	292	216	48	12- 29	559
8"	200	200	419	349	270	56	12- 32	660
10"	250	248	508	432	324	64	16- 35	787
12"	300	298	559	489	381	67	20- 35	838
14"	350	327	603	527	413	70	20- 38	889
16"	400	375	686	603	470	77	20- 41	991
18"	450	419	743	654	533	83	20- 44	1092
20"	500	646	813	724	584	89	24- 44	1194
24"	600	559	940	838	692	102	24- 52	1397



DESCRIPTION

**CAST STEEL Y-STRAINER ASME
CLASS 900**

**DESIGN AND MANUFACTURE
ASME B16.34**

**FACE TO FACE DIMENSIONS
ASME B16.10**

**FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47**

**WELD ENDS DIMENSIONS
ASME B16.25**

**PRESSURE TEST
API 598**

MATERIALS

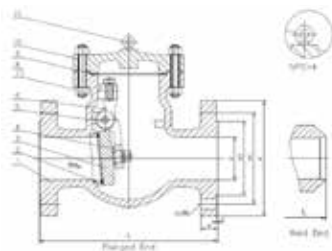
NO	PART	MATERIAL
1	BONNET NUT	ASTM A194 2H
2	BONNET BOLT	ASTM A193 B7
3	BONNET	ASTM A216 WCB
4	PLUG	CS
5	GASKET	SS + GRAPHITE
6	MESH	SS 304
7	BODY	ASTM A216 WCB

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	216	165.1	92	38.5	8- 26	368
2 1/2"	65	64	244	190.5	105	41.5	8- 29	419
3"	80	76	241	190.5	127	38.5	8- 26	381
4"	100	102	292	234.9	157	44.5	8- 32	457
5"	125	127	349	279.4	186	51	8- 35	559
6"	150	152	381	317.5	216	56	12- 32	610
8"	200	200	470	393.7	270	63.5	12- 39	737
10"	250	248	545	469.9	324	70	16- 39	838
12"	300	298	610	533.4	381	79.5	20- 39	965
14"	350	327	640	558.8	413	86	20- 42	1029
16"	400	375	705	615.9	470	89	20- 45	1130
18"	450	419	785	685.8	533	102	20- 51	1219
20"	500	646	855	749.3	584	108	24- 54	1321
24"	600	559	1040	901.7	692	140	24- 67	1549



CAST STEEL SWING CHECK VALVE ASME CLASS 150



DESCRIPTION

**CAST STEEL SWING CHECK VALVE ASME
CLASS 150**

DESIGN AND MANUFACTURE
API 6D/BS 1868

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

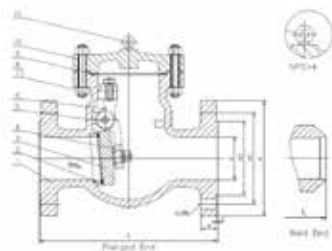
PRESSURE TEST
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	LF2
2	SEAT	LF2 + SS
3	DISC	LF2 + STL
4	HINGE	ASTM A216 WCB
5	PIN	ASTM A276 420
6	YOKE	ASTM A216 WCB
7	BONNET NUT	ASTM A194 2H
8	BONNET BOLT	ASTM A193 B7
9	GASKET	S.S. + GRAPHITE
10	BONNET	LF2
11	EYEBOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	152	120.5	92	16	4- 19	203
2 1/2"	65	64	178	139.5	105	18	4- 19	216
3"	80	76	190	152.5	127	19	4- 19	241
4"	100	102	229	190.5	157	24	8- 19	292
5"	125	127	254	216	186	24	8- 22	330
6"	150	152	279	241.5	216	26	8- 22	356
8"	200	203	343	298.5	270	29	8- 22	495
10"	250	254	406	362	324	31	12- 25	622
12"	300	305	483	432	381	32	12- 25	698
14"	350	337	533	476	413	35	12- 29	787
16"	400	387	597	540	470	37	16- 29	864
18"	450	438	635	578	533	40	16- 32	978
20"	500	489	699	635	584	43	20- 32	978
24"	600	591	813	749.5	692	48	20- 35	1295
28"	700	686	927	863.6	800	71.5	28- 35	1448
30"	750	737	984	914.4	857	75	28- 35	1524



DESCRIPTION

**CAST STEEL SWING CHECK VALVE ASME
CLASS 300**

DESIGN AND MANUFACTURE
API 6D/BS 1868

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

PRESSURE TEST
API 598

MATERIALS

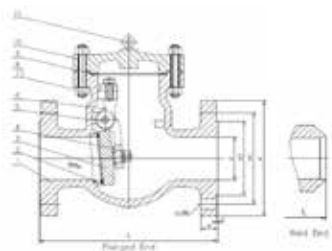
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT	ASTM A 105 + 13Cr
3	DISC	ASTM A216 WCB + 13Cr
4	HINGE	ASTM A216 WCB
5	PIN	ASTM A276 420
6	YOKE	ASTM A216 WCB
7	BONNET NUT	ASTM A194 2H
8	BONNET BOLT	ASTM A193 B7
9	GASKET	S.S. + GRAPHITE
10	BONNET	ASTM A216 WCB
11	EYEBOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	23	8- 19	267
2 1/2"	65	64	190	149	105	26	8- 22	292
3"	80	76	210	168.5	127	29	8- 22	318
4"	100	102	254	200	157	32	8- 22	356
5"	125	127	279	235	186	35	8- 22	400
6"	150	152	318	270	216	37	12- 22	444
8"	200	203	381	330	270	42	12- 25	533
10"	250	254	445	387.5	324	48	16- 29	622
12"	300	305	521	451	381	51	16- 32	711
14"	350	337	584	514.5	413	54	20- 32	838
16"	400	387	648	571.5	470	58	20- 35	864
18"	450	432	711	628.5	533	61	24- 35	978
20"	500	483	775	686	584	64	24- 35	1016
24"	600	584	914	813	692	70	24- 41	1346



CAST STEEL SWING CHECK VALVE ASME CLASS 600



DESCRIPTION

**CAST STEEL SWING CHECK VALVE ASME
CLASS 600**

DESIGN AND MANUFACTURE
API 6D/BS 1868

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

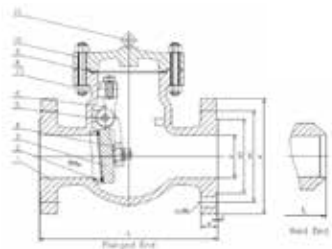
PRESSURE TEST
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT	ASTM A 105 + 13Cr
3	DISC	ASTM A216 WCB + 13Cr
4	HINGE	ASTM A216 WCB
5	PIN	ASTM A276 420
6	YOKE	ASTM A216 WCB
7	BONNET NUT	ASTM A194 2H
8	BONNET BOLT	ASTM A193 B7
9	GASKET	S.S. + GRAPHITE
10	BONNET	ASTM A216 WCB
11	EYEBOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	51	165	127	92	26	8- 19	292
2 1/2"	65	64	190	149	100	29	8- 22	330
3"	80	76	210	168	127	32	8- 22	356
4"	100	102	273	216	157	38	8- 25	432
5"	125	127	330	266.5	186	45	8- 29	508
6"	150	152	356	292	216	48	12- 29	559
8"	200	200	419	349	270	56	12- 32	660
10"	250	248	508	432	324	64	16- 35	787
12"	300	298	559	489	381	67	20- 35	838
14"	350	327	603	527	413	70	20- 38	889
16"	400	375	686	603	470	77	20- 41	991
18"	450	419	743	654	533	83	20- 44	1092
20"	500	464	813	724	584	89	24- 44	1194
24"	600	559	940	838	692	102	24- 52	1397



DESCRIPTION

**CAST STEEL SWING CHECK VALVE ASME
CLASS 900**

DESIGN AND MANUFACTURE
API 6D/BS 1868

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

PRESSURE TEST
API 598

MATERIALS

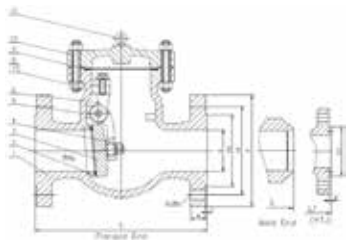
NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT	ASTM A 105 + 13Cr
3	DISC	ASTM A216 WCB + 13Cr
4	HINGE	ASTM A216 WCB
5	PIN	ASTM A276 420
6	YOKE	ASTM A216 WCB
7	BONNET NUT	ASTM A194 2H
8	BONNET BOLT	ASTM A193 B7
9	GASKET	S.S. + GRAPHITE
10	BONNET	ASTM A216 WCB
11	EYEBOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L
INCHES	MM							
2"	50	47	216	165.1	92	38.5	8- 26	368
2 1/2"	65	57	244	190.5	105	41.5	8- 29	419
3"	80	73	241	190.5	127	38.5	8- 26	381
4"	100	98	292	234.9	157	44.5	8- 32	457
5"	125	121	349	279.4	186	51	8- 35	559
6"	150	146	381	317.5	216	56	12- 32	610
8"	200	190	470	393.7	270	63.5	12- 39	737
10"	250	238	545	469.9	324	70	16- 39	838
12"	300	282	610	533.4	381	79.5	20- 39	965
14"	350	311	640	558.8	413	86	20- 42	1029
16"	400	356	705	615.9	470	89	20- 45	1130
18"	450	400	785	685.8	533	102	20- 51	1219
20"	500	444	855	749.3	584	108	24- 54	1321
24"	600	533	1040	901.7	692	140	24- 67	1549



CAST STEEL SWING CHECK VALVE ASME CLASS 1500 LBS



DESCRIPTION

**CAST STEEL SWING CHECK VALVE ASME
CLASS 1500**

DESIGN AND MANUFACTURE
API 6D/BS 1868

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

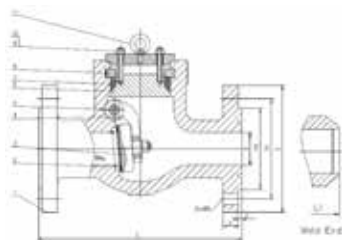
PRESSURE TEST
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT	ASTM A 105 + 13Cr
3	DISC	ASTM A216 WCB + 13Cr
4	HINGE	ASTM A216 WCB
5	PIN	ASTM A276 420
6	YOKE	ASTM A216 WCB
7	BONNET NUT	ASTM A194 2H
8	BONNET BOLT	ASTM A193 B7
9	GASKET	S.S. + GRAPHITE
10	BONNET	ASTM A216 WCB
11	EYEBOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	n-φd	L	L1	D3
INCHES	MM									
2"	50	47	216	165.1	92	38.5	8- 26	368	371	124
2 1/2"	65	57	244	190.5	105	41.5	8- 29	419	422	137
3"	80	70	267	203.2	127	48	8- 32	470	473	168
4"	100	92	311	241.3	157	54	8- 35	546	549	194
5"	125	111	375	292.1	186	73.5	8- 42	673	676	229
6"	150	136	394	317.5	216	83	12- 39	705	711	248
8"	200	178	483	482.6	270	93	12- 45	832	841	318
10"	250	222	585	469.9	324	108	16- 51	991	1000	371
12"	300	263	675	571.5	381	124	16- 54	1130	1146	438
14"	350	289	750	635	413	133.5	16- 61	1257	1276	489
16"	400	330	825	704.8	470	146.5	16- 67	1384	1407	546
18"	450	371	915	774.7	533	162	16- 74	1537	1559	613
20"	500	416	985	831.8	584	178	16- 80	1664	1686	673



DESCRIPTION

**CAST STEEL SWING CHECK VALVE ASME
CLASS 2500**

DESIGN AND MANUFACTURE
API 6D/BS 1868

FACE TO FACE DIMENSIONS
ASME B16.10

FLANGE ENDS DIMENSIONS
ASME B16.5/B16.47

WELD ENDS DIMENSIONS
ASME B16.25

PRESSURE TEST
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A216 WCB
2	SEAT	ASTM A 105 + 13Cr
3	DISC	ASTM A216 WCB + 13Cr
4	HINGE	ASTM A216 WCB
5	PIN	ASTM A276 420
6	YOKE	ASTM A216 WCB
7	BONNET NUT	ASTM A194 2H
8	BONNET BOLT	ASTM A193 B7
9	GASKET	S.S. + GRAPHITE
10	BONNET	ASTM A216 WCB
11	EYEBOLT	C.S.

DIMENSION (MM)

DN		d	D	D1	D2	b	t	n-φd	L	L1
INCHES	MM									
2"	50	62	235	171.4	133	51	7.92	8- 29	454	279
2 1/2"	65	75	267	196.8	149	57.5	9.52	8- 32	514	330
3"	80	91	305	228.6	168	67	9.52	8- 35	584	368
4"	100	116	356	273	203	76.5	11.1	8- 42	683	457
5"	125	144	419	323.8	241	92.5	12.7	8- 48	807	533
6"	150	171	483	368.3	279	108	12.7	8- 54	927	610
8"	200	222	550	438.1	340	127	14.3	12- 54	1038	762
10"	250	276	675	539.7	425	165.5	17.5	12- 67	1292	914
12"	300	327	760	619.1	495	184.5	17.5	12- 74	1445	1041



PISTON CHECK VALVE CLASS 150 LBS



DESCRIPTION

PISTON CHECK VALVE CLASS 150

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105+13Cr
2	DISC	ASTM A182 F6a
3	GASKET	GRAPHITE
4	BONNET	ASTM A105
5	BOLT	ASTM A193 B7

DIMENSION (MM)

DN		D	D1	D2	b	n-φd	L	L1	D	E
INCHES	MM									
1/2"	15	89	60.5	35	12	4- 15	108	79	21.8	10
3/4"	20	98	70	43	12	4- 15	117	92	27.1	13
1"	25	108	79.5	51	12	4- 15	127	111	33.8	13
1 1/4"	32	117	89	64	13	4- 15	140	120	42.6	13
1 1/2"	40	127	98.5	73	15	4- 15	165	152	48.7	13
2"	50	152	120.5	92	16	4- 19	203	172	61.1	16
2 1/2"	65	178	139.5	105	18	4- 19	216	200	73.8	16



DESCRIPTION

PISTON CHECK VALVE CLASS 300

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105+13Cr
2	DISC	ASTM A182 F6a
3	GASKET	GRAPHITE
4	BONNET	ASTM A105
5	BOLT	ASTM A193 B7

DIMENSION (MM)

DN		D	D1	D2	b	n-φd	L	L1	D	E
INCHES	MM									
1/2"	15	95	66.5	35	15	4- 15	152	79	21.8	10
3/4"	20	118	82.5	43	16	4- 19	178	92	27.1	13
1"	25	124	89	51	18	4- 19	203	111	33.8	13
1 1/4"	32	133	98.5	64	19	4- 19	216	120	42.6	13
1 1/2"	40	156	114.5	73	21	4- 22	229	152	48.7	13
2"	50	165	127	92	23	8- 19	267	172	61.1	16
2 1/2"	65	190	149	105	26	8- 22	292	200	73.8	16



PISTON CHECK VALVE CLASS 600 LBS



DESCRIPTION

PISTON CHECK VALVE CLASS 600

DESIGN AND MANUFACTURE

API 602

FACE TO FACE DIMENSIONS

ASME B16.10

FLANGE ENDS DIMENSIONS

ASME B16.5

WELD ENDS DIMENSIONS

ASME B16.25

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

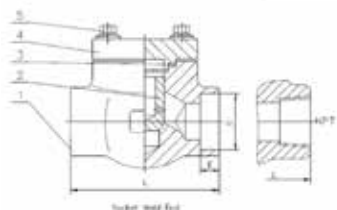
API 598

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105+13Cr
2	DISC	ASTM A182 F6a
3	GASKET	GRAPHITE
4	BONNET	ASTM A105
5	BOLT	ASTM A193 B7

DIMENSION (MM)

DN		D	D1	D2	b	n-φd	L	L1	D	E
INCHES	MM									
1/2"	15	95	66.5	35	15	4- 15	165	79	21.8	10
3/4"	20	118	82.5	43	16	4- 19	190	92	27.1	13
1"	25	124	89	51	18	4- 19	216	111	33.8	13
1 1/4"	32	133	98.5	64	21	4- 19	229	120	42.6	13
1 1/2"	40	156	114.5	73	23	4- 22	241	152	48.7	13
2"	50	165	127	92	26	8- 19	292	172	61.1	16
2 1/2"	65	190	149	100	29	8- 22	330	200	73.8	16



DESCRIPTION

PISTON CHECK VALVE CLASS 800

DESIGN AND MANUFACTURE

API 602

SOCKET WELD ENDS

ASME B16.11

THREAD END

ASME B1.20.1

PRESSURE TEST

API 598

MATERIALS

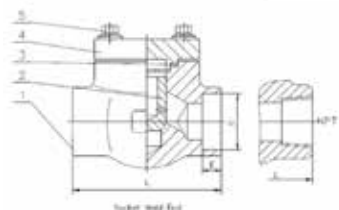
NO.	PART	MATERIAL
1	BODY	ASTM A105+13Cr
2	DISC	ASTM A182 F6a
3	GASKET	GRAPHITE
4	BONNET	ASTM A105
5	BOLT	ASTM A193 B7

DIMENSION (MM)

DN		L	D	E
INCHES	MM			
1/2"	15	79	21.8	10
3/4"	20	92	27.1	13
1"	25	111	33.8	13
1 1/4"	32	120	42.6	13
1 1/2"	40	152	48.7	13
2"	50	172	61.1	16
2 1/2"	65	200	73.8	16



PISTON CHECK VALVE CLASS 900-1500 LBS



DESCRIPTION

PISTON CHECK VALVE CLASS 900-1500

THREAD END
ASME B1.20.1

DESIGN AND MANUFACTURE

API 602

PRESSURE TEST

API 598

SOCKET WELD ENDS

ASME B16.11

MATERIALS

NO.	PART	MATERIAL
1	BODY	ASTM A105+13Cr
2	DISC	ASTM A182 F6a
3	GASKET	GRAPHITE
4	BONNET	ASTM A105
5	BOLT	ASTM A193 B7

DIMENSION (MM)

DN		L	D	E
INCHES	MM			
1/2"	15	111	21.8	10
3/4"	20	111	27.1	13
1"	25	120	33.8	13
1 1/4"	32	152	42.6	13
1 1/2"	40	172	48.7	13
2"	50	200	61.1	16
2 1/2"	65	220	73.8	16



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