



Calvary Valve, Inc

Cast Steel Globe Valves

CAST STEEL GLOBE VALVES - Bolted Bonnet - API 600/B16.34

- Products:** Globes, & Nuclear
- Size Range:** ½" to 24"
- Pressure Class:** 150, 300, 600, 900, 1500, and 2500
- Materials:** WCB, WC6, WC9, C5, C12, C12A, LCC, LCB,
- Trims Available:** Common types of trim that Calvary manufactures include API Trim Numbers #1, #2 (304SS), #3, #4, #5 (Full Stellite), #6, #7, #8 (Half Stellite), #8A, #9 (Monel), #10 (316SS), #11 (Monel/Stellite), #12 (316SS/Stellite), #13, #14, #15, #16, #17, #18, NACE. The Calvary Valve Company routinely manufactures special (custom) trim configurations per our customer's request.

Emergency Service is available 24 hours a day, seven days a week.



Calvary Valve Inc.
(903) 729-0485

CAST STEEL GLOBE VALVE

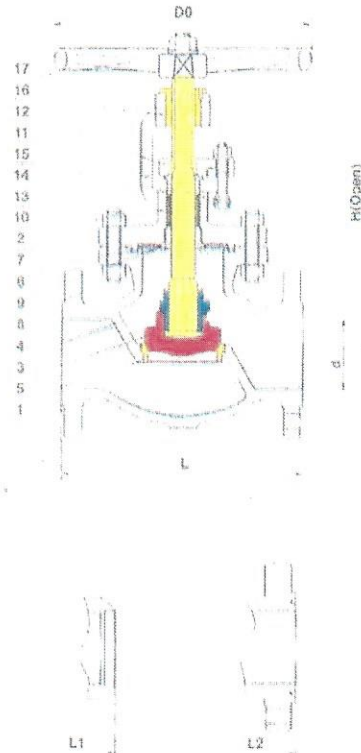
150lb/300Lb

Applicable standards:

STEEL GLOBE VALVES, BS1873/API600
STEEL VALVES, ASME B16.34
FACE TO FACE, ASME B16.10
END FLANGES, ASME B16.5
BUTTWELDING ENDS, ASME B16.25
INSPECTION AND TEST, API 598

Design description:

STRAIGHT PATTERN BODY DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
BB, BOLTED BONNET
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
LOOSE DISC, CHOICE OF PLUG OR BALL
RENEWABLE SEAT RING
IMPACT HANDWHEEL FOR 10" & ABOVE
HORIZONTAL SERVICE
FLANGED OR BUTTWELDING ENDS
AVAILABLE WITH BG OPERATOR



Materials of parts

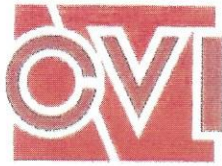
NO	Part Name	ASTM Material		
		Carbon Steel	1 1/2 Cr-1/2 Mo	Carbon Steel
1	Body	A216-WCB	A217-WC6	A352-LCB
2	Bonnet	A216-WCB	A217-WC6	A352-LCB
3	Disc	A105+CR13	A182-F11+HF	A3510-LF2+CR13
4	Slam	A182-F6a	CR-MO-V	A182-F6a
5	Seat Ring	A105+CR13	A182-F11+HF	A350-LF2+CR13
6	Stem Back Seat	A276-420	A276-304	A276-420
7	Bonnet Gasket	Spiral Wound (Graphite+304)		
8	Bonnet Stud	A193-B7	A193-B16	A320-L7
9	Bonnet Stud Nut	A194-2H	A194-7	A194-4
10	Packing	Graphite		
11	Gland	A276-420	A276-304	A276-420
12	Gland Flange	A216-WCB	A217-WC6	A352-LCB
13	Eyebolt Pin	Carbon Steel	A276-420	Carbon Steel
14	Eyebolt	Carbon Steel	A193-B7	Carbon Steel
15	Eyebolt Nut	Carbon Steel	A194-2H	Carbon Steel
16	Yoke Sleeve	Aluminum-Bronze		
17	Handwheel	Malleable Iron		

Note: 1) Ductile NI-Resist optional

2) Disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

Dimensions data

NPS	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	in
DN	50	65	80	100	150	200	250	300	350	400	450	500	600	mm
ANSI Class 150Lb														
L/L1 (RF/BW)	8.00	8.50	9.50	11.50	16.00	19.50	24.50	27.50	31.00	36.00	38.46	38.46	50.98	in
L2 (RTJ)	2.03	2.16	2.41	2.92	4.06	4.95	6.22	6.98	7.87	9.14	9.77	9.77	12.95	mm
H (OPEN)	15.00	21.00	17.50	20.25	22.00	24.25	32.00	35.88	48.38	57.00	41.96	43.97	50.98	in
(d)	3.80	5.35	4.45	5.15	5.60	6.15	8.15	9.10	12.30	14.50	10.66	11.17	12.95	mm
D0	50	63	76	100	150	200	250	300	360	367	438	488	590	mm
WT (kg)	7	10	11	11	13	13	16	18	20	24	28.34	28.34	33.46	in
	180	240	280	280	320	320	400	450	500	600	720	720	850	mm
	18	30	41	64	88	110	280	380	510	740	1150	1650	2200	RF
	14	22	33	43	72	88	245	345	450	605	-	-	-	BW
ANSI Class 300Lb														
L/L1 (RF/BW)	10.50	11.50	12.50	14.00	17.50	22.00	24.50	28.00	32.99	32.99	38.46	40.00	52.99	in
L2 (RTJ)	2.67	2.92	3.18	3.56	4.44	5.59	6.22	7.11	8.38	8.63	9.77	10.16	13.48	mm
H (OPEN)	11.12	12.12	13.12	14.62	18.12	22.62	25.12	28.62	-	-	-	-	-	in
(d)	2.82	3.08	3.33	3.71	4.60	5.75	6.38	7.27	-	-	-	-	-	mm
D0	16.76	19.00	19.88	22.50	25.25	33.25	35.50	38.62	-	53.97	57.99	61.96	70.98	in
WT (kg)	4.25	4.85	5.05	5.70	6.40	8.45	9.00	9.80	-	1371	1473	1574	1803	mm
	60	63	76	100	150	200	250	300	336	387	431	482	584	mm
	8	10	11	13	16	18	20	24	33.85	24.01	24.01	28.34	28.34	in
	200	240	280	320	400	450	500	600	850	610	610	720	720	mm
	25	32	38	56	96	150	360	550	876	1200	1600	2100	3150	RF
	20	22	27	41	75	117	310	492	-	-	-	-	-	BW



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CAST STEEL GLOBE VALVE

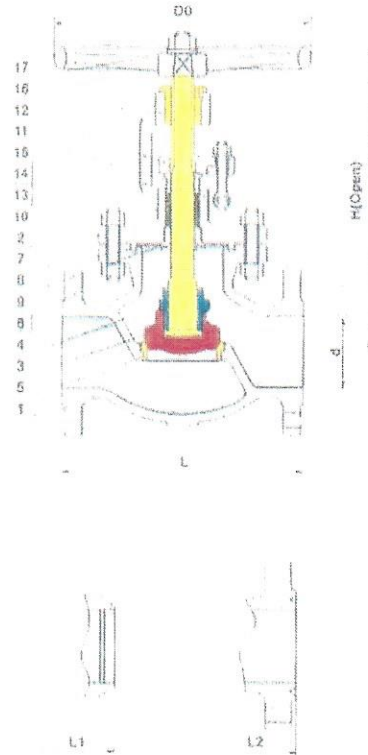
600lb/900lb

Applicable standards:

STEEL GLOBE VALVES, BS 1673/API 600
STEEL VALVES, ASME B16.34
FACE TO FACE, ASME B16.10
END FLANGES, ASME B16.5
BUTT WELDING ENDS, ASME B16.25
INSPECTION AND TEST, API 598

Design description:

STRAIGHT PATTERN BODY DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
BB, BOLTED BONNET
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
LOOSE DISC, CHOICE OF PLUG OR BALL
RENEWABLE SEAT RING
IMPACT HANDWHEEL FOR 10" & ABOVE
HORIZONTAL SERVICE
FLANGED OR BUTT WELDING ENDS
AVAILABLE WITH BG OPERATOR



Materials of parts

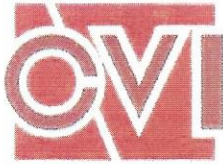
NO	Part Name	ASTM Material		
		Carbon Steel	1 1/2 Cr-1/2 Mo	Carbon Steel
1	Body	A216-WCB	A217-WC6	A352-LCB
2	Bonnet	A216-WCB	A217-WC6	A352-LCB
3	Disc	A105+CR13	A182-F11+HF	A3510-LF2+CR13
4	Stem	A182-F6a	CR-MO-V	A182-F6a
5	Seat Ring	A105+HF	A182-F11+HF	A350-LF2+HF
6	Stem Back Seat	A276-420	A276-304	A276-420
7	Bonnet Gasket	Spiral Wound (Graphite+304)		
8	Bonnet Stud	A193-B7	A193-B16	A320-L7
9	Bonnet Stud Nut	A194-2H	A194-7	A194-4
10	Packing	Graphite		
11	Gland	A276-420	A276-304	A276-420
12	Gland Flange	A216-WCB	A217-WC6	A352-LCB
13	Eyebolt Pin	Carbon Steel	A276-420	Carbon Steel
14	Eyebolt	Carbon Steel	A193-B7	Carbon Steel
15	Eyebolt Nut	Carbon Steel	A194-2H	Carbon Steel
16	Yokesleeve	Aluminum-Bronze		
17	Handwheel	Malleable Iron		

Note: 1) Ductile NI-Resist optional

2) Disc and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

Dimensions data

	NPS	2	2 1/2	3	4	6	8	10	12	2	2 1/2	3	4	6	8	10	in
	DN	50	65	80	100	150	200	250	300	50	65	80	100	150	200	250	mm
ANSI Class 600Lb																	
L/L1	11.50	13.00	14.00	17.00	22.00	26.00	31.00	33.00	4.50	16.50	15.00	18.00	24.00	29.00	33.00		in
(RF/BW)	292	330	355	432	559	660	787	838	368	419	381	457	610	737	838		mm
L2	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	14.62	16.62	16.12	18.12	24.12	29.12	33.12		in
(RTJ)	295	333	359	435	562	663	790	841	371	422	384	460	613	740	841		mm
H	17.50	19.75	21.00	24.50	29.50	36.50	44.88	53.12	22.00	23.25	25.25	31.88	41.38	53.50	61.88		in
(OPEN)	445	502	533	622	750	927	1140	1350	560	590	640	810	1050	1360	1570		mm
(d)	50	63	76	100	150	199	247	298	47	57	72	98	146	190	238		mm
	10	11	13	16	18	20	24	24	11	13	16	18	20	24	24		in
00	240	280	320	400	450	500	600	600	280	320	400	450	500	600	600		mm
WT	35	50	60	110	230	410	770	1140	57	82	92	168	365	665	1250		RF
(kg)	27	34	42	84	192	350	680	1030	41	53	58	117	238	538	1060		BW



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CAST STEEL GLOBE VALVE

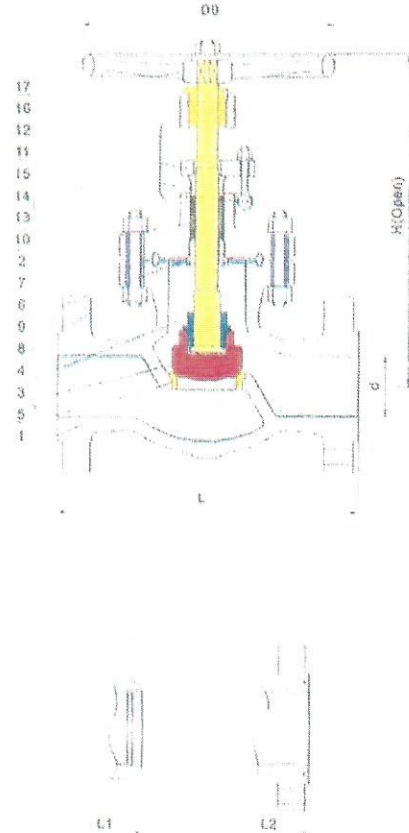
1500Lb/2500Lb

Applicable standards:

STEEL GLOBE VALVES, BS BS1873/API600
STEEL VALVES, ASME B16.34
FACE TO FACE, ASME B16.10
END FLANGES, ASME B16.5
BUTTWELDING ENDS, ASME B16.25
INSPECTION AND TEST, API 598

Design description:

STRAIGHT PATTERN BODY DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
BB, BOLTED BONNET
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
LOOSE DISC, CHOICE OF PLUG OR BALL
RENEWABLE SEAT RING
IMPACT HANDWHEEL FOR 10" & ABOVE
HORIZONTAL SERVICE
FLANGED OR BUTTWELDING ENDS
AVAILABLE WITH BG OPERATOR



Materials of parts

NO	Part Name	ASTM Material		
		Carbon Steel	1 1/2Cr-1/2Mo	Carbon Steel
1	Body	A216-WCB	A217-WC6	A352-LCB
2	Bonnet	A216-WCB	A217-WC6	A352-LCB
3	Disc	A105+CR13	A182-F11+HF	A3510-LF2+CR13
4	Stem	A182-F6a	CR-MQ-V	A182-F6a
5	Seat Ring	A105+HF	A182-F11+HF	A350-LF2+HF
6	Stem Back Seat	A276-420	A276-304	A276-420
7	Bonnet Gasket	Steel Ring	304SS Ring	Steel Ring
8	Bonnet Stud	A193-B7	A193-B16	A320-L7
9	Bonnet Stud Nut	A194-2H	A194-7	A194-4
10	Packing		Graphite	
11	Gland	A276-420	A276-304	A276-420
12	Gland Flange	A216-WCB	A217-WC6	A352-LCB
13	Eyebolt Pin	Carbon Steel	A276-420	Carbon Steel
14	Eyebolt	Carbon Steel	A193-B7	Carbon Steel
15	Eyebolt Nut	Carbon Steel	A194-2H	Carbon Steel
16	Yoke sleeve		Aluminum-Bronze ¹⁾	
17	Handwheel		Malleable Iron	

Note: 1) Ductile Ni-Resist optional

2) Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.

Dimensions data

NPS	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	60	72	90	120
DN	50	65	80	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1200
	ANSI Class 1500Lb												ANSI Class 2500Lb								
L/L1 (RF/BW)	14.50	16.50	18.50	21.50	27.75	32.75	37.75	42.75	47.75	52.75	57.75	62.75	67.75	72.75	77.75	82.75	87.75	92.75	97.75	102.75	107.75
L2 (RTJ)	3.68	4.19	4.70	5.21	5.72	6.23	6.74	7.25	7.76	8.27	8.78	9.29	9.80	10.31	10.82	11.33	11.84	12.35	12.86	13.37	13.88
H (OPEN)	22.00	23.25	24.50	25.75	27.00	28.25	29.50	30.75	32.00	33.25	34.50	35.75	37.00	38.25	39.50	40.75	42.00	43.25	44.50	45.75	47.00
(d)	560	560	750	915	1235	1650	2065	2480	2895	3310	3725	4140	4555	4970	5385	5800	6215	6630	7045	7460	7875
(d)	47	57	69	92	136	177	218	259	300	341	382	423	464	505	546	587	628	669	710	751	792
DO	13	16	18	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88
WT (kg)	320	400	450	560	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200



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FORGED STEEL GLOBE VALVE

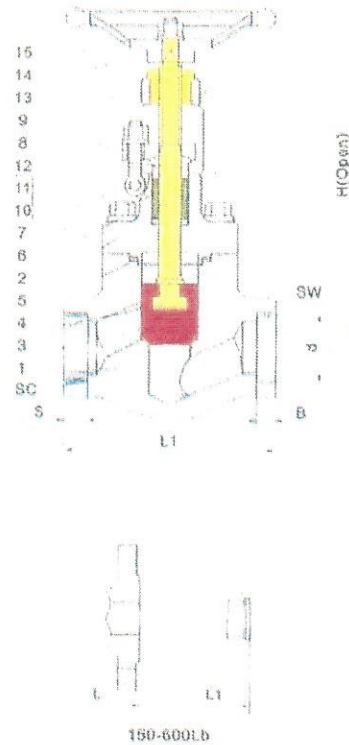
800LB

Applicable standards:

STEEL GLOBE VALVES, API 602
STEEL VALVES, ASME B16.34
END TO END, MANUFACTURER STANDARD
FACE TO FACE, FLANGED, ASME B 16.11
END FLANGES, ASME B16.5
BUTTWELDING ENDS, ASME B16.25
SOCKET-WELDING ENDS, ASME B16.11
SCREWED ENDS, ASME B 1.20.1
INSPECTION AND TEST API 598

Design description:

OUTSIDE SCREW AND YOKE (OS&Y)
BOLTED BONNET
CHOICE OF WB, WELDING BONNET
LOOSE DISC, CHOICE OF PLUG OR BALL
SEAT RINGS INTEGRAL WITH BODY
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
HORIZONTAL SERVICE
SW, SOCKET-WELDING ENDS
SC, SCREWED ENDS
BW, BUTTWELDING ENDS



Materials of parts

No	Part Name	ASTM Material		
		C-SI	16Cr-12Ni-2Mo	1 1/4Cr-1/2Mo-SI
1	Body	A105	A182-F316	A182-F11
2	Bonnet	A105	A182-F316	A182-F11
3	Disc	A182-F6a	A182-F316	A182-F6a+HF
4	Stem	A276-410	A276-316	A276-410
5	Bonnet Gasket ²⁾	Graphite+304	Graphite+316	Graphite+304
6	Bonnet Stud	A193-B7	A193-B8M	A193-B16
7	Packing		Graphite	
8	Gland	A276-410	A276-316	A276-410
9	Gland Flange	A105	A182-F316	A182-F11
10	Eyebolt Pin	A276-410	A276-316	A276-410
11	Eyebolt	A193-B7	A193-B8M	A193-B16
12	Eyebolt Nut	A194-2H	A194-8M	A194-2H
13	Yokesleeve		A276-410	
14	Handwheel		Malleable Iron	
15	Handwheel Nut		Carbon Steel	

Note: 1). Seat Integral with body.
2). Spiral wound graphite.

Dimensions data

NPS DN	Unit	L1 ¹⁾	L (Flanged Ends)			d	SW		SC	H (Open)	D0	WT ²⁾ (Kg)	
			150Lb	300Lb	600Lb		D	B					
			NPT		S								
3/8	in	3.12	4.00	6.00	6.50	0.354	0.693	0.378	3/8	0.540	6.50	4.00	3.82.8
10	mm	79	102	152	165	9	17.6	9.6		13.6	164	100	
1/2	in	3.12	4.25	6.00	6.50	0.354	0.858	0.378		0.535	6.50	4.00	5.60.4
15	mm	79	108	152	165	9	21.8	9.6	1/2	13.8	164	100	
3/4	in	3.62	4.82	7.00	7.50	0.512	1.067	0.500		0.547	6.50	4.00	7.84.7
20	mm	92	117	178	190	13	27.1	12.7	3/4	13.9	164	100	
1	in	4.38	5.00	8.00	8.50	0.689	1.531	0.500		0.681	8.00	5.00	12.59.2
25	mm	111	127	203	216	17.5	33.8	12.7	1	17.3	203	125	
1 1/4	in	4.75	5.50	8.50	9.00	0.906	1.677	0.500		0.709	8.88	6.25	17/10.5
32	mm	120	140	216	229	23	42.6	12.7	1 1/4	18	224	160	
1 1/2	in	6.00	6.50	9.00	9.50	1.142	1.917	0.500		0.724	10.25	6.25	23.5/13.3
40	mm	152	165	229	241	29	48.7	12.7	1 1/2	18.4	260	160	
2	in	3.75	8.00	10.50	11.50	1.373	2.406	0.626		0.756	11.98	7.00	38.8/18.9
50	mm	172	203	267	292	35	61.1	16.0	2	19.2	300	180	

Notes: 1) BW, SW or SC.
2) 600LB-RF/800LB-(BW/SW/SC).



Calvary Valve Inc.
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PRESSURE SEAL CAST STEEL GLOBE VALVE 900LB

Applicable standards:

STEEL GLOBE VALVES, BS BS1873/API600
STEEL VALVES, ASME B16.34
FACE TO FACE, ASME B16.10
END FLANGES, ASME B16.5
BUTT WELDING ENDS, ASME B16.25
INSPECTION AND TEST, API 598

Design description:

STRAIGHT PATTERN BODY DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
PSB, PRESSURE SEAL BONNET
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
LOOSE DISC, CHOICE OF PLUG OR BALL
RENEWABLE SEAT RING
IMPACT HANDWHEEL FOR 10" & ABOVE
HORIZONTAL SERVICE
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AVAILABLE WITH BG OPERATOR

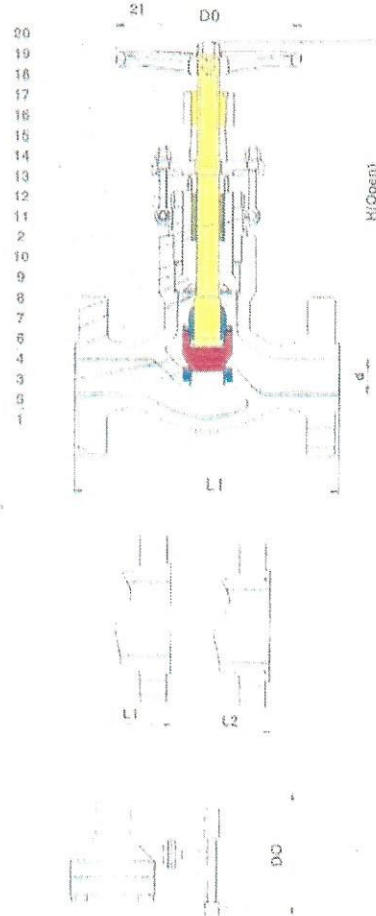
Materials of parts

NO	Part Name	ASTM Material		
		Carbon Steel	1 1/2Cr-1/2Mo	18Cr-9Ni-2Mo
1	Body	A216-WCB	A217-WC6	A351-CF8M
2	Yoke	A216-WCB	A217-WCB	A351-CF8M
3	Disc	A216-WCB+HF	A217-WCB+HF	A351-CF8M+HF
4	Stem	A182-F6a	CR-MO-V	A182-316
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF
6	Bonnet	A105	A182-F11	A240-316
7	Bonnet Gasket ¹⁾		304+Graphite	
8	Adapter Ring	Carbon Steel	A276-420	A276-316
9	Packing		Graphite	
10	Eyebolt Pin	Carbon Steel	A276-420	A276-316
11	Eyebolt	Carbon Steel	A193-B7	A193-B8
12	Eyebolt Nut	Carbon Steel	A194-2H	A194-8
13	Locking Nut	Carbon Steel	Alloy Steel	Stainless Steel
14	Gland	A276-420	A276-304	A276-316
15	Gland Flange	A216-WCB	A217-WC6	A351-CF8M
16	Washer		Carbon Steel	
17	Stem Nut		Aluminum-Bronze ²⁾	
18	Boit		Carbon Steel	
19	Handwheel		Malleable iron	
20	Handwheel Washer		Carbon Steel	
21	Handwheel Nut		A194-2H	

Note: 1) Graphite optional

2) Ductile NI-Resist optional

3) Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.



Dimensions data

NPS	2	2 1/2	3	4	6	8	10	12	in
DN	50	65	80	100	150	200	250	300	mm
ANSI Class 900Lb									
L1	8.50	10.00	12.00	14.00	20.00	26.00	31.00	36.00	in
(BW)	216	254	305	356	508	660	787	914	mm
L	14.50	16.50	16.00	18.00	24.00	29.00	33.00	38.00	in
(RF)	368	419	381	457	610	737	838	965	mm
L2	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	in
(RTJ)	371	422	384	460	613	740	841	968	mm
H	22	22	22	27	36.38	43.38	60.62	57	in
(OPEN)	567	557	557	685	925	1100	1285	1450	mm
D0	16	16	16	16	28	28	36	36	in
	400	400	400	400	700	700	900	900	mm
WT	46	53	68	100	270	450	740	1150	BW
(kg)	75	82	96	135	355	680	1050	1480	RF/RTJ



Calvary Valve Inc.
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PRESSURE SEAL CAST STEEL GLOBE VALVE 1500Lb/2500Lb

Applicable standards:

STEEL GLOBE VALVES, BS BS1673/API600
STEEL VALVES, ASME B16.34
FACE TO FACE, ASME B16.10
END FLANGES, ASME B16.5
BUTTWELDING ENDS, ASME B16.25
INSPECTION AND TEST, API 598

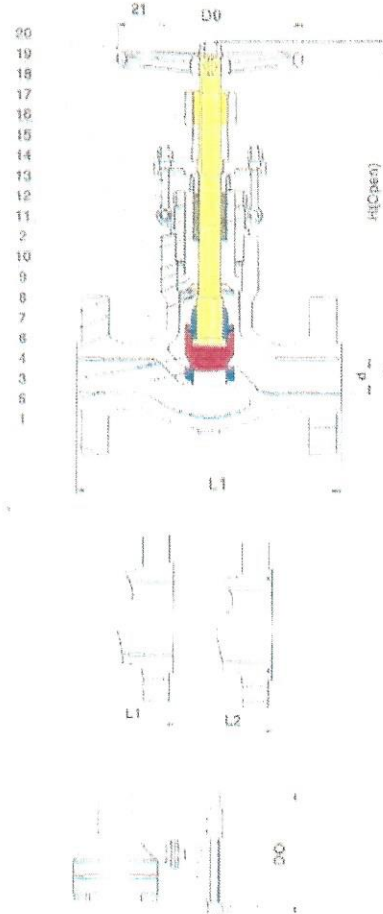
Design description:

STRAIGHT PATTERN BODY DESIGN
OS & Y, OUTSIDE SCREW AND YOKE
PSB, PRESSURE SEAL BONNET
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
LOOSE DISC, CHOICE OF PLUG OR BALL
RENEWABLE SEAT RING
IMPACT HANDWHEEL FOR 10" & ABOVE
HORIZONTAL SERVICE
FLANGED OR BUTTWELDING ENDS
AVAILABLE WITH BG OPERATOR

Materials of parts

NO	Part Name	ASTM Material		
		Carbon Steel	1 1/2Cr-1/2Mo	18Cr-9Ni-2Mo
1	Body	A216-WCB	A217-WC6	A351-CF8M
2	Yoke	A216-WCB	A217-WC6	A351-CF8M
3	Disc	A216-WCB+HF	A217-WC6+HF	A351-CF8M+HF
4	Stem	A182-F6a	CR-MO-V	A182-316
5	Seat Ring	A105+HF	A182-F11+HF	A240-316+HF
6	Bonnet	A105	A182-F11	A240-316
7	Bonnet Gasket ¹⁾		304+Graphite	
8	Adapter Ring	Carbon Steel	A276-420	A276-316
9	Packing		Graphite	
10	Eyebolt Pin	Carbon Steel	A276-420	A276-316
11	Eyebolt	Carbon Steel	A193-B7	A193-B8
12	Eyebolt Nut	Carbon Steel	A194-2H	A194-8
13	Locking Nut	Carbon Steel	Alloy Steel	Stainless Steel
14	Gland	A276-420	A276-304	A276-316
15	Gland Flange	A216-WCB	A217-WC6	A351-CF8M
16	Washer		Carbon Steel	
17	Stem Nut		Aluminum-Bronze ¹⁾	
18	Bolt		Carbon Steel	
19	Handwheel		Malleable Iron	
20	Handwheel Washer		Carbon Steel	
21	Handwheel Nut		A194-2H	

Note: 1) Graphite optional
2) Ductile Ni-Resist optional
3) Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.



Dimensions data

NPS	2	2 1/2	3	4	6	8	2	2 1/2	3	4	6	in
DN	50	65	80	100	150	200	50	65	80	100	150	mm
	ANSI Class 1500Lb						ANSI Class 2500Lb					
L1	8.50	10.00	12.00	16.00	22.00	28.00	11.00	13.00	14.50	18.00	24.00	in
(BW)	216	254	305	406	558	711	279	330	368	457	610	mm
L	14.50	16.50	18.50	21.50	27.75	32.75	17.75	20.00	22.75	26.50	36.00	in
(RF)	368	419	470	548	708	832	451	508	578	673	914	mm
L2	14.62	16.62	18.62	21.62	28.00	33.12	17.88	20.50	23.00	26.88	36.50	in
(RTJ)	371	422	473	549	711	842	454	514	584	683	927	mm
H	22	22	24.38	30	44.62	54.75	23.38	23.38	28	32.25	40.62	in
(OPEN)	557	557	620	760	1136	1390	595	595	710	820	1260	mm
D0	16	16	20	24	26	36	16	20	24	28	36	in
	400	450	500	600	700	900	400	500	600	700	900	mm
WT	57	65	90	190	450	730	65	78	125	155	480	lb
(kg)	86	112	162	240	580	950	115	136	205	275	860	kg



Calvary Valve Inc.
(903) 729-0485

**PRESSURE SEAL
FORGED STEEL GLOBE VALVE
900lb/1500lb/2500lb**

Technical Specification

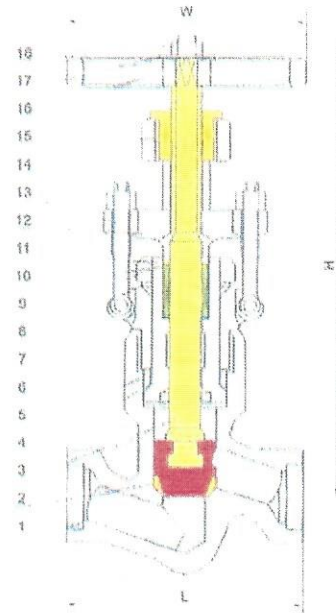
STEEL CHECK VALVES, API 602
STEEL VALVES, ASME B16.34
END TO END, MANUFACTURER STANDARD
FACE TO FACE, FLANGED, ASME B 16.10
BUTT WELDING ENDS, ASME B16.25
SOCKET-WELDING ENDS, ASME B16.11
SCREWED ENDS, ASME B 1.20.1
INSPECTION AND TEST, API 698

Design description:

OUTSIDE SCREW AND YOKE (OS&Y)
PRESSURE SEAL BONNET
LOOSE DISC, CHOICE OF PLUG OR BALL
SEAT RINGS INTEGRAL WITH BODY
YOKE INTEGRAL WITH BONNET
RISING STEM AND HANDWHEEL
HORIZONTAL SERVICE
SW, SOCKET-WELDING ENDS
SC, SCREWED ENDS
BW, BUTT WELDING ENDS

Form of Major Part Material

NO.	Part Name	CS to ASTM		AS to ASTM		SS to ASTM	
		Type A 105N	Type F22	Type F304(L)	Type F316(L)		
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)		
2	Disc	A276 420+STL	A276 304+STL	A276 304(L)+STL	A276 316(L)+STL		
3	Stem	A276 410	A182 F22	A182 F304(L)	A182 F316(L)		
4	Seat Place	A105	A182 F22	A182 F304(L)	A182 F316(L)		
5	Seat Ring	A182 F304	A182 F304	A182 F304(L)	F316(L)		
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)		
7	Pin	A276 420	A276 420	A182 F304	A182 F304		
8	Gasket	A105N	A182 F22	A182 F304(L)	A182 F316(L)		
9	Promotes the Nut	A194 2H	A194 4	A194 8	A194 8M		
10	Stem Packing	Flexible graphite+304	Flexible graphite+304	Flexible graphite+316	Flexible graphite+316		
11	Gland	A276 420	A276 420	A182 F304	A182 F304		
12	Gland Flange	A105	A105	A182 F304	A182 F304		
13	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M		
14	Gland Nut	A194 2H	A194 4	A194 8	A194 8M		
15	Yoke Nut	A276 420	A276 420	A276 420	A276 420		
16	Hand Wheel	A197	A194 4	A197	A197		
17	Name plate	SS	SS	SS	SS		
18	Handwheel Nut	CS	CS	SS	SS		



Class 900~1500 Main Outline Dimensions & Weight
Pressure seal bonnet, reduced port,
outside screw stem & yoke (OS&Y). BS 5352

	1/2	3/4	1	1 1/4	1 1/2	2
F.P	140	140	140	178	178	216
L	200	200	200	260	280	300
W	320	320	320	440	440	490
d	12	15	20	28	32	40
Weight (kg)	11.5	10.8	10.5	19.6	21.1	55.4

Class 2500 Main Outline Dimensions & Weight
Pressure port (OS&Y).

The terminal connection for receives inserts welds,
designs according to ASME B16.34

	1/2	3/4	1	1 1/4	1 1/2	2
F.P	186	186	186	232	232	279
L	200	200	200	280	280	300
W	375	378	380	490	490	540
d	11	14	19	25	28	35
Weight (kg)	12.3	11.6	10.8	26.0	28.4	60



HOW TO ORDER AND SPECIFY API 600 CAST STEEL GLOBE VALVES

A TYPE	
GL	CAST BODY GLOBE VALVE

B DN			
01	1"	10	10"
02	2"	12	12"
03	3"	16	16"
06	6"	24	24" etc.

C PRESSURE CLASS			
15	Class 150	90	Class 900
30	Class 300	150	Class 1500
60	Class 600	250	Class 2500
80	800	20	2 M









D END	
RJ	Ring joint
BW	Butt weld
RF	Raised face
SE	Screwed In

E BODY					
A1	WCB	A5	CF8M	B1	F316
A2	WCC	A6	CF8	B2	F304
A3	LCB	A7	WC6		
A4	LCC	A8	WC9		

F TRIM			
G1	410	G10	316
G2	304	G11	Monel – Hard Faced
G3	310	G12	316 – Hard Faced
G4	410-Hard (Hard F6)	G13	Alloy 20
G5	410-Full Hard Faced	G14	Alloy 20 – Hard Faced
G6	410 (F6) And Cu-Ni	G15	304 – Full Hard Faced
G7	410 (F6) Hard F6	G16	316 – Full Hard Faced
G8	F6 (410) – Hard Faced	G17	347 – Full Hard Faced
G9	Monel	G18	Alloy 20 – Full Hard Faced

G SOFT GOODS	
E1	VITON
E2	HNBR
E3	BUNA
E4	GRAPHITE + SS

H OPERATION			
0	Bare Stem	4	Pneumatic
1	Hand Wheel	5	Hydraulic
2	Gear	6	Gas Over Oil
3	Electric		

A	B	C	D	E	F	G	H
							
TYPE	DN	CLASS	END	BODY	TRIM	SOFT GOODS	OPERATION

EXAMPLE	DESCRIPTION
GL-06-30-RF-A1-G5-E4-1	CAST STEEL API 600 GLOBE VALVE, 6" 300 CLASS, RAISED FACE, BODY WCB, TRIM #5 FULL STELLITE, SOFT GOODS GRAPHITE SS, OPERATION HAND WHEEL