

Cast Globe Valve
WCB ■ CF8M ■ Various other Alloys
ANSI 150-300-600-900-1500-2500 (2'-24')



**GLOBAL VALVE
& CONTROLS**



SERIES GL

Providing Hundreds of Products. Supporting Thousands of Clients. Controlling Millions of Gallons.

DEPEND ON US. WE CAN HANDLE THE PRESSURE.



SERIES G



GF-3



CKF-2



SERIES CK



GLF-4



SERIES GL



NVG6000



NV10000



GLOBAL VALVE
& CONTROLS

Control > Quality
Flow >



20-RP



20-FP



SERIES SBG



SERIES EXPG



SERIES FS



BV2000



CFS



SERIES 2T/3T



BV3600



BV6000



SERIES 30

BV3705



YFS w/ MCB



FS525



SERIES 790



SERIES 10



SERIES 800



SERIES FSD-61

Discover the difference!



Series GL

- ◆ Sizes 2" - 24"
- ◆ ANSI Class 150-2500
- ◆ Cast Steel **Globe**
- ◆ BS 1873 design
- ◆ Bolted Bonnet Design, O S & Y
- ◆ WCB, CF8M, Alloy 20 and Various Other Alloys available
- ◆ Low Emissions Packing Design
- ◆ NACE MR0175 Compliant
- ◆ B16.10
- ◆ B16.5
- ◆ B16.34
- ◆ Butt Weld, Raised Face, and Ring Type Joint Ends (RTJ)
- ◆ **Pressure Seal ANSI 1500 & 2500 Optional**
- ◆ **Cryogenic Stem Option**



GLOBAL Valve & Controls®  is an ISO 9001 certified and API 6D, Q1 licensed valve manufacturer of Domestic and Non Domestic products. Offering Ball, Globe, Gate, Expanding Gate, Slab Gate, Check, and Needle Valves; Actuators and Automation Accessories.

 accommodates & services the Upstream, Midstream & Down-stream market segments of the oil/gas industry, with a primary focus on Natural Gas Transport and Storage Projects, as well as, the Petrochemical, Agricultural, Mining, Water/ Waste Management, and Aerospace Industrial Sectors.

GLOBAL Valve & Controls® has the right valve for the right application, ranging from ANSI 150 through 2500, sizes 1/4 to 48", in Stainless Steel, Carbon Steel, Alloy 20, Monel, Duplex, and other various exotic body materials.

 also carries fully automated valve packages, fugitive emission solutions, control packages, cryogenic valves, as well as, various valve coating solutions. Special Ordering is available!

GLOBAL Valve & Controls® continues to make strides in elevating our company beyond industry standards, by being consistent in providing products that are of superior quality and performance, dedicating ourselves to quality assurance, and being immediately responsive to our customer needs. We look forward to the opportunity to supply your valve needs!

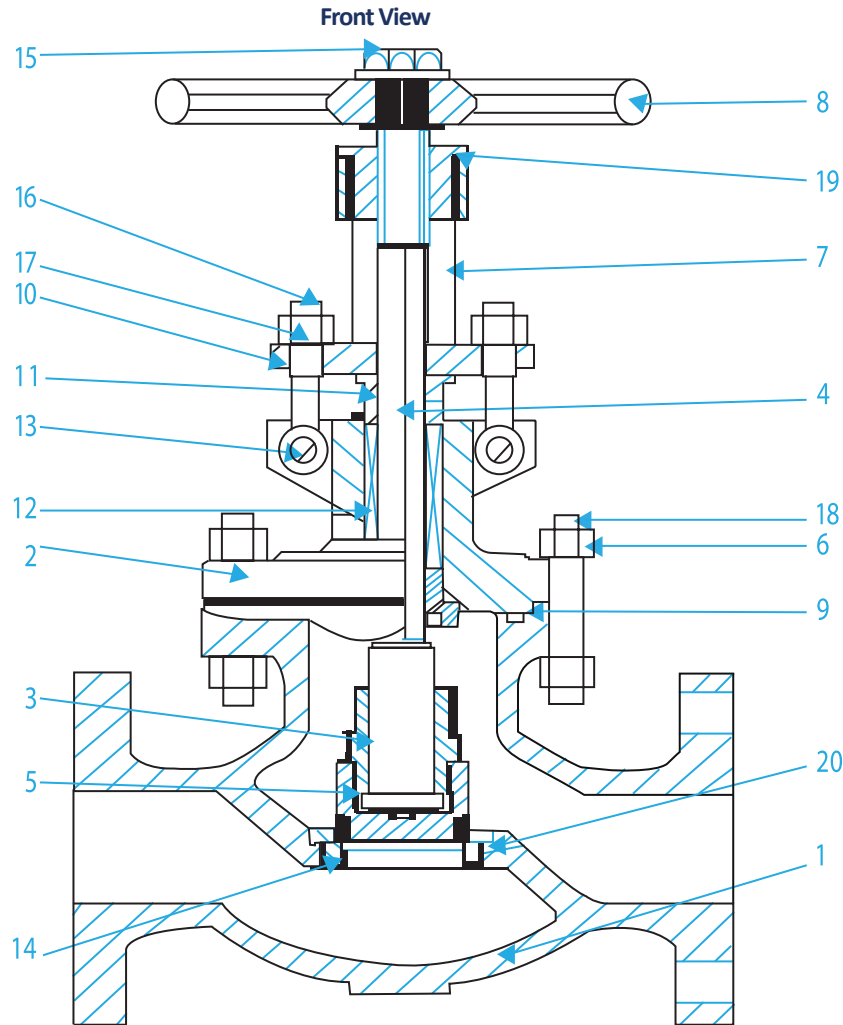
Sincerely

Troy Richard
CEO at GLOBAL Valve
& Controls



MATERIALS OF CONSTRUCTION

SERIES GL



BILL OF MATERIALS

NO.	PARTS NAME	MATERIAL				
1	BODY	A216 - WCB	A217 - WC6		A352 - LCB	A351-CF8M
2	BONNET	A216 - WCB	A217 - WC6		A352 - LCB	A351-CF8M
3	DISC/PLUG	API TRIM # 5, 8, 10 and 12				
4	STEM	API TRIM # 5, 8, 10 and 12				
5	DISC NUT	API TRIM # 5, 8, 10 and 12				
6	BONNET NUTS	A194-2HM	A194-7	A194-2H	A194-8M	A194-8
7	YOKE	A216-WCB	A352 - LCB		A217-WC6	A351-CF8M
8	HAND WHEEL	A47 / A536				
9	GASKET	304 SPIRALWOUND W/ GRAPHOIL FILLER				
10	GLAND FLANGE	A216-WCB	A352 - LCB		A217-WC6	A351-CF8M
11	GLAND	A276 - 410				
12	GLAND PACKING	GRAPHITE				
13	EYE BOLT PINS	A276 - 410				
14	WASHER	A36 + ZN PLATE				
15	WHEEL NUT	CARBON STEEL				
16	EYE BOLTS	A193 - B7	A193 - B8M		A193 - B7M	A320-L7
17	EYE BOLT NUTS	A194-2HM	A194-7	A194-2H	A194-8M	A194-8
18	BONNET BOLTS	A193 - B7	A193 - B8M		A193 - B7M	A320-L7
19	YOKE BUSHING	BRASS	CARBON STEEL			A439 TYPE D2
20	SEAT RING	API TRIM # 5, 8, 10 and 12				

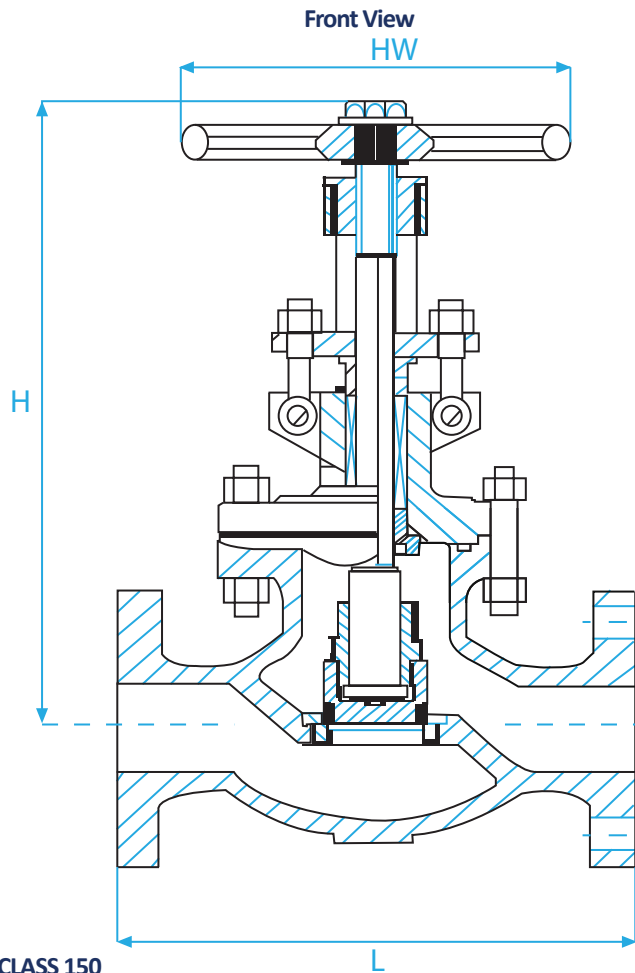
DESIGN STANDARDS

MANUFACTURING & TESTING STANDARDS	
Face to Face	ASME B16.10
Temperature/Pressure Rating	ASME B16.34
End Flanges	ASME B16.5
Inspection and Test	API 598
Butt Welding Ends	ASME B16.25
Base Design	BS 1873
NACE	MR0175



ENGINEERING DATA

SERIES GL



DESIGN STANDARDS

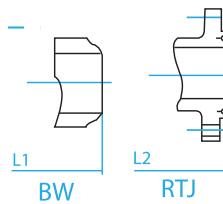
MANUFACTURING & TESTING STANDARDS

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End Flanges	ASME B16.5
Inspection and Test	API 598
Butt Welding Ends	ASME B16.25
Base Design	BS 1873
NACE	MR0175

Key

NO.	PART MEANING
L	LENGTH (END TO END)
L1	LENGTH (END TO END BUTTWELD ONLY)
L2	LENGTH (END TO END RTJ ONLY)
H	HEIGHT (CENTER OF BORE TO TOP OF VALVE)
HW	HANDWHEEL DIAMETER

Butt Weld Ring Type Joint



CLASS 150

		Class 150					
Unit	Size	L	L1	L2	HW	H	Weight
in	2	8	8.5	8	8.5	13.78	46
mm	50	203	216	203	220	350	21
in	2 1/2	8.5	9	8.5	10	14.25	64
mm	65	216	229	216	250	362	29
in	3	9.5	10	9.5	11	15.16	75
mm	80	241	254	241	280	385	34
in	4	11.5	12	11.5	12.5	19.29	119
mm	100	292	305	292	320	490	54
in	6	16	16.5	16	16	21.14	205
mm	150	406	419	406	400	537	93
in	8	19.5	20	19.5	18	27.83	408
mm	200	495	508	495	450	707	185
in	10	24.5	25	24.5	22	31.02	591
mm	250	622	635	622	560	788	268
in	12	27.5	28	27.5	23	32.28	882
mm	300	698	711	698	580	820	400
in	14	31	31.5	31	-	35.35	1433
mm	350	787	800	787	-	898	650
in	16	36	36.5	36	-	36.61	2453
mm	400	914	927	914	-	930	1113
in	18	38.5	39	38.5	-	38.58	-
mm	450	978	991	978	-	980	-
in	20	38.5	39	38.5	-	40.47	-
mm	500	978	991	978	-	1028	-
in	24	51	51.5	51	-	44.65	-
mm	600	1295	1308	1295	-	1134	-

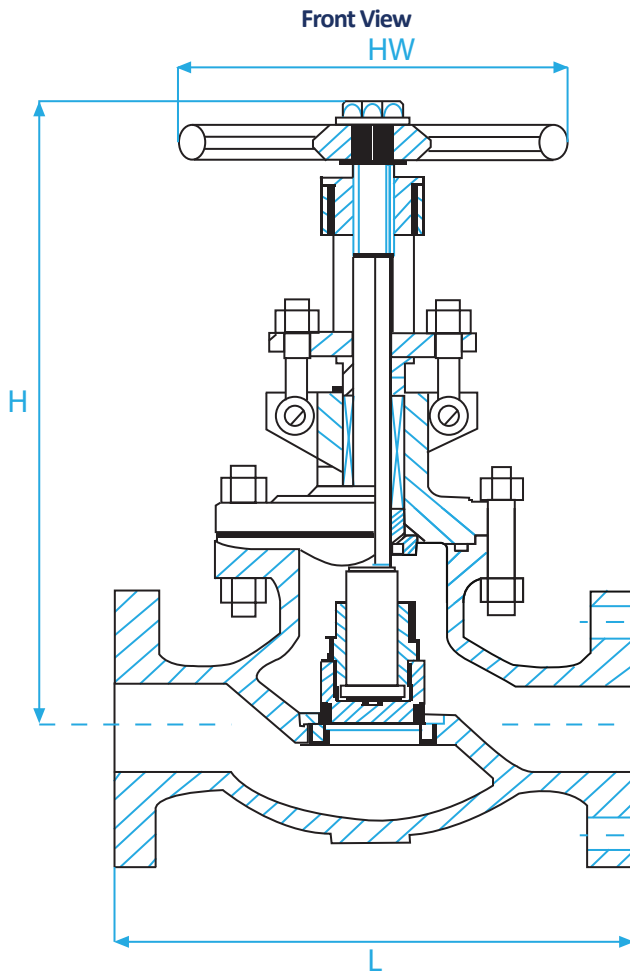
CLASS 300

		Class 300					
Unit	Size	L	L1	L2	HW	H	Weight
in	2	10.5	11.13	10.5	8.5	13.58	62
mm	50	267	283	267	220	345	28
in	2 1/2	11.5	12.13	11.5	10	14.84	79
mm	65	292	308	292	250	377	36
in	3	12.5	13.13	12.5	11	15.94	110
mm	80	318	334	318	280	405	50
in	4	14	14.63	14	12.5	18.43	165
mm	100	356	372	356	320	468	75
in	6	17.5	18.13	17.5	18	27.87	441
mm	150	445	461	445	450	708	200
in	8	22	22.63	22	20	30.59	633
mm	200	559	575	559	500	777	287
in	10	24.5	25.13	24.5	22	36.81	1124
mm	250	622	638	622	560	935	510
in	12	28	28.63	28	24	37.6	1587
mm	300	711	727	711	600	955	720
in	14	33	33.63	33	-	37.83	-
mm	350	838	854	838	-	961	-
in	16	34	34.63	34	-	39.76	-
mm	400	864	880	864	-	1010	-



MATERIALS AND ENGINEERING DATA

SERIES GL



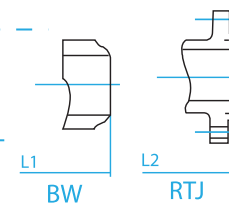
DESIGN STANDARDS

MANUFACTURING & TESTING STANDARDS	
Face to Face	ASME B16.10
Temperature/Pressure Rating	ASME B16.34
End Flanges	ASME B16.5
Inspection and Test	API 598
Butt Welding Ends	ASME B16.25
Base Design	BS 1873
NACE	MR0175

Key

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L1	LENGTH (END TO END BUTTWELD ONLY)
L2	LENGTH (END TO END RTJ ONLY)
H	HEIGHT (CENTER OF BORE TO TOP OF VALVE)
HW	HANDWHEEL DIAMETER

Butt Weld Ring Type Joint



CLASS 600

Class 600							
Unit	Size	L	L1	L2	HW	H	Weight
in	2	11.5	11.63	11.5	11	15.16	71
mm	50	292	295	292	280	385	32
in	2 1/2	13	13.13	13	11	16.93	99
mm	65	330	333	330	280	430	45
in	3	14	14.13	14	12.5	18.7	137
mm	80	356	359	356	320	475	62
in	4	17	17.13	17	16	26.97	306
mm	100	432	435	432	400	685	139
in	6	22	22.13	22	22	35.47	754
mm	150	559	562	559	550	901	342
in	8	26	26.13	26	24	35.94	1065
mm	200	660	663	660	600	913	483
in	10	31	31.13	31	26	41.73	1918
mm	250	787	790	787	650	1060	870
in	12	33	33.13	33	30	48.31	2352
mm	300	838	841	838	760	1227	1067

CLASS 900

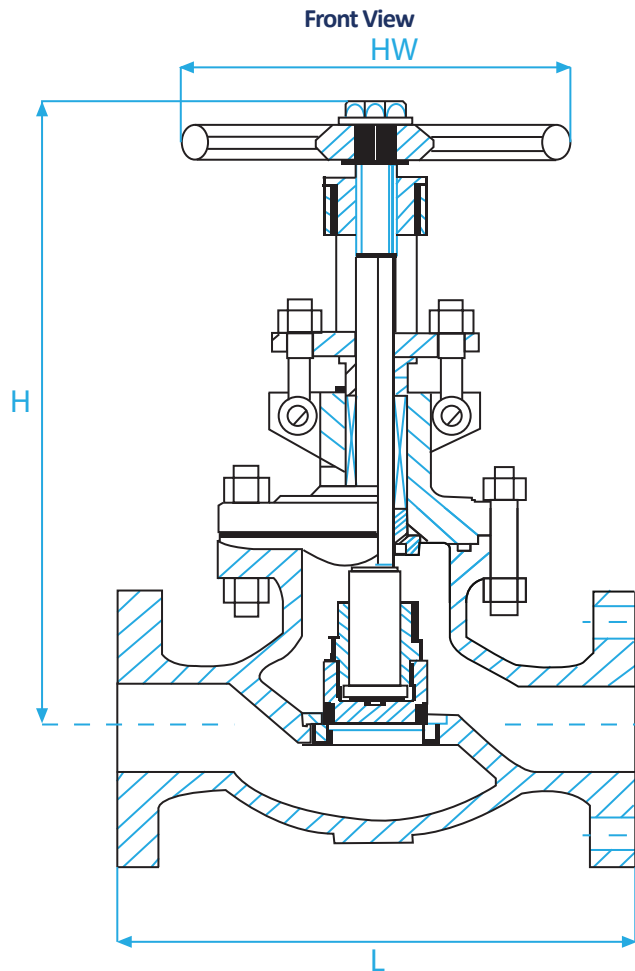
Class 900							
Unit	Size	L	L1	L2	HW	H	Weight
in	2	14.5	14.63	14.5	12.5	16.93	128
mm	50	368	371	368	320	430	58
in	2 1/2	16.5	16.63	16.5	12.5	22.83	203
mm	65	419	422	419	320	580	92
in	3	15	15.13	15	14	26.57	317
mm	80	381	384	381	350	675	144
in	4	18	18.13	18	16	30.71	496
mm	100	457	460	457	500	780	225
in	6	24	24.13	24	26	34.25	1106
mm	150	610	613	610	650	870	502
in	8	29	29.13	29	26	38.58	1587
mm	200	737	740	737	650	980	720
in	10	33	33.13	33	-	39.76	-
mm	250	838	841	838	-	1010	-
in	12	38	38.13	38	-	51.18	-
mm	300	965	968	965	-	1300	-

* Please contact GVC for additional sizes



ENGINEERING DATA

SERIES GL



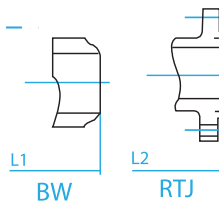
DESIGN STANDARDS

MANUFACTURING & TESTING STANDARDS	
Face to Face	ASME B16.10
Temperature/Pressure Rating	ASME B16.34
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Base Design	BS 1873
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L2	LENGTH (END TO END RTJ ONLY)
H	HEIGHT (CENTER OF BORE TO TOP OF VALVE)
HW	HANDWHEEL DIAMETER

Butt Weld Ring Type Joint



CLASS 1500

Class 1500							
Unit	Size	L	L1	L2	HW	H	Weight
in	2	14.5	14.63	14.5	12.5	13.93	145
mm	50	368	371	368	320	430	66
in	2 1/2	16.5	16.63	16.5	16	19.69	254
mm	65	419	422	419	400	500	115
in	3	18.5	18.63	18.5	18	29.52	414
mm	80	470	473	470	450	750	188
in	4	21.5	21.63	21.5	24	32.28	644
mm	100	546	549	546	600	820	292
in	6	27.75	28	27.75	28	35.83	1367
mm	150	705	711	705	700	910	620
in	8	32.75	33.13	32.75	32	39.96	1781
mm	200	832	842	832	800	1015	808
in	10	39	39.38	39	-	40.75	-
mm	250	991	1001	991	-	1035	-

* Please contact GVC for additional sizes



SERIES GL

- ◆ Sizes 2 – 24" Cast Steel Globe Valve Design
- ◆ NACE MR0175 Compliant, Designed to BS 1873
- ◆ B16.10, B16.5, B16.34 Compliant
- ◆ Bolted Bonnet Design, O S & Y
- ◆ Low Emissions Packing Design

Series	Class	Body	Trim	Ends	Operator	Options	Size
GL Bolted Bonnet	15 - 150	1 - WCB	5 - Hardfaced & Stellite	1 - RF - Raised Face	GO - Gear Operator	X - Special	2" - 24"
	30 - 300	2- Alloy 20	8 - 410 & Hardfaced	2 - RTJ - Ring Type Joint			
PSGL Pressure Seal Bonnet	60 - 600	3- Stainless Steel	10 - 316 SS	3 - BW - Butt Weld Ends	HO - Handwheel Operator		
	90 - 900	X- Special	12 - 316 & Hardfaced				
	51 - 1500		X - Special				
	25 - 2500						

GL	15	1	8	1			-02
Series	Class	Body	Trim	Ends	Operator	Options	Size

Description:

2" ANSI 150 Raised Face Flanged End Globe Valve, A216-WCB Body, API Trim 8, O S & Y, Bolted Bonnet, 125-250 AARH, Handwheel Operated. Designed to BS 1873, B16.10, B16.5 and NACE MR0175

PLEASE NOTE: There may be some performance variations between the GVC Series GL and other manufacturer's comparable body designs. To ensure the longevity of performance, please provide specific information relevant to the requirements needed for each application process.



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Please contact our sales representatives to receive more information regarding your systems particular needs.

Due to the ongoing development of our product line, Global Valve & Controls reserves the right to change the dimensions contained in the leaflet, as required.