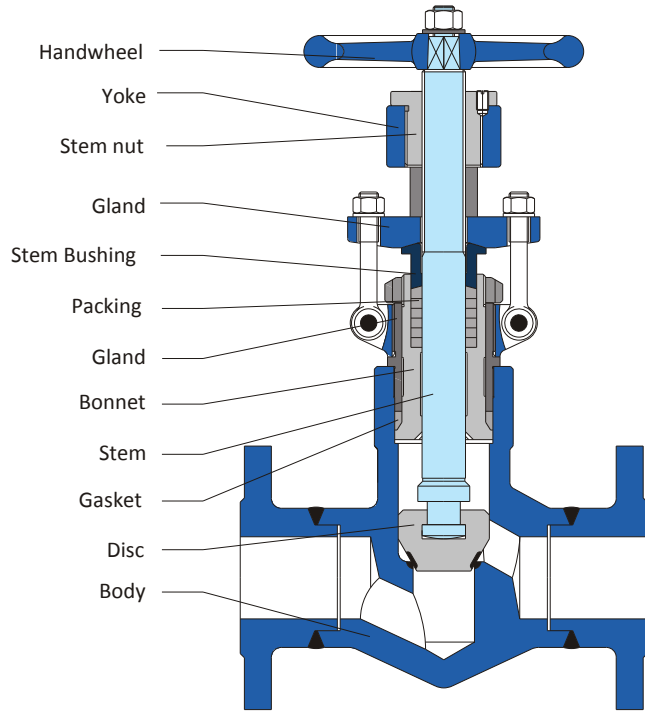
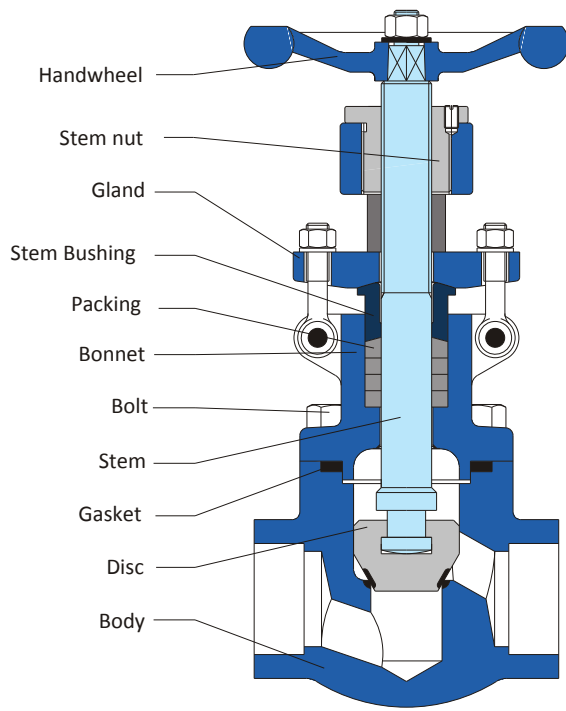


## FORGED STEEL GLOBE VALVES

### Design



#### Remarks:

1. Type of end connection referred to Appendix
2. Type of body and bonnet connection referred to Appendix
3. Type of disc referred to Appendix

### Main Parts & Materials

No.	Parts Name	Material			
		Carbon Steel		Stainless Steel	Alloy Steel
1	Body	ASTM A105	ASTM A350 LF2/LF3	ASTM A182 F304	ASTM A182 F11/F22
2	Disc	ASTM A182 F6a	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F6a
3	Stem	ASTM A276-410	ASTM A276-410	ASTM A276-304	ASTM A276-410
4	Gasket	SS304 + Graphite			
5	Sealing Ring	Graphite			
6	Yoke	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A216 WCB
7	Bonnet	ASTM A105	ASTM A350 LF2/LF3	ASTM A182 F304	ASTM A182 F11/F22
8	Gland	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A216 WCB
9	Bolt	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B16
10	Packing	Graphite			
11	Stem Bushing	ASTM A276-410	ASTM A276-410	ASTM A276-304	ASTM A276-410
12	Gland	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A216 WCB
13	Eyebolt	ASTM A193 B7	ASTM A320 L7	ASTM A193 B8	ASTM A193 B7
14	Stem Nut	ASTM A276-410			
15	Handwheel	ASTM A197 or A47-32510			

## FORGED STEEL GLOBE VALVES

### Product Line

Connection Ends	Port	Structure	Pressure		Size									
			PN	Class	8	10	15	20	25	32	40	50	65	
					1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
Flange, Butt-weld	RP	BB / WB - OS&Y	1.6 ~ 10.0	150			*	*	*	*	*	*	*	*
				300			*	*	*	*	*	*	*	*
				600			*	*	*	*	*	*	*	*
Flange, Butt-weld	FP	BB / WB / PB - OS&Y	1.6 ~ 26.0	900			*	*	*	*	*	*	*	
				1500			*	*	*	*	*	*	*	
Flange, Butt-weld	RP	WB / PB - OS&Y	1.6 ~ 42.0	900			*	*	*	*	*	*	*	
				1500			*	*	*	*	*	*	*	
				2500			*	*	*	*	*	*	*	
Threaded, Socket	RP	BB / WB - OS&Y / ISRS	1.6 ~ 10.0	150	*	*	*	*	*	*	*	*	*	
				300	*	*	*	*	*	*	*	*	*	
				600	*	*	*	*	*	*	*	*	*	
				800	*	*	*	*	*	*	*	*	*	
Threaded, Socket	FP	BB / WB - OS&Y / ISRS	1.6 ~ 10.0	150	*	*	*	*	*	*	*	*	*	
				300	*	*	*	*	*	*	*	*	*	
				600	*	*	*	*	*	*	*	*	*	
				800	*	*	*	*	*	*	*	*	*	
Threaded, Socket	FP	BB / WB - OS&Y	1.6 ~ 26.0	900	*	*	*	*	*	*	*	*		
				1500	*	*	*	*	*	*	*	*		
Flange, Butt-weld Threaded, Socket	FP	BB / LB - OS&Y	1.6 ~ 10.0	150			*	*	*	*	*	*	*	
				300			*	*	*	*	*	*	*	
				600			*	*	*	*	*	*	*	
				800			*	*	*	*	*	*	*	
Threaded, Socket	RP	BB / LB - OS&Y	-	800			*	*	*	*	*	*		
				1500			*	*	*	*	*	*		

### Technical Specification

		Class							PN							
		150	300	600	800	900	1500	2500	1.6	2.5	4.0	6.4	10.0	16	26.0	42.0
Test Pressure (mpa)	Shell Test	2.93	7.55	10.0	20.1	15.0	37.5	63.0	2.4	3.75	6.0	9.6	15.0	24.0	39.0	63.0
	Seal Test (High Pressure)	2.07	5.52	7.31	14.7	11.03	27.5	16.2	1.76	2.75	4.4	7.04	11.0	17.6	28.6	46.2
	Seal Test (Low Pressure)	0.6														
Applicable Temperature		< 425°C														
Medium		Water, Oil & Gas														

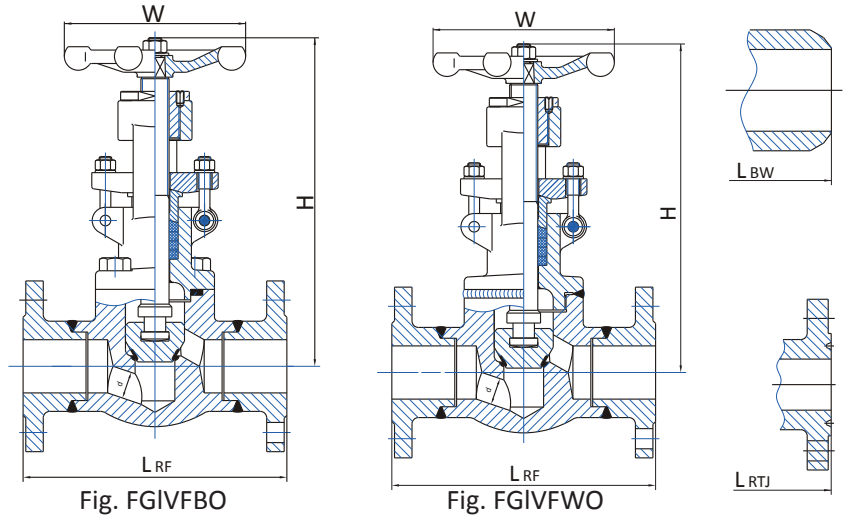
## FORGED STEEL GLOBE VALVES

### Standard Specification

Design Standard	ASME B16.34 / BS 5352
Face to Face	ASME B16.10
Flange Ends	ASME B16.5
Butt weld Ends	ASME B16.25
Pressure-Temperature Rating	ASME B16.34
Inspection & Test	API 598

### Structure Description

- ✦ Bolted Bonnet or Welded Bonnet
- ✦ Reduced Port
- ✦ General or Needle Type Disc
- ✦ Flange Ends or Butt-welding Ends



### Class 150

Size		Main Dimension						Weight (kg)
Inch	mm	RB	LRF	L BW	L RTJ	H	W	
1/2"	15	10	108	108	119	158	100	4.5
3/4"	20	13	117	117	130	163	100	6.9
1"	25	19.1	127	127	140	193	125	9.8
1 1/4"	32	24	140	140	152	250	160	13.5
1 1/2"	40	31.8	165	165	178	250	160	19.5
2"	50	38.1	203	203	216	291	180	28.0
2 1/2"	65	48.5	216	216	229	350	240	35.4

### Class 300

Size		Main Dimension						Weight (kg)
Inch	mm	RB	LRF	L BW	L RTJ	H	W	
1/2"	15	10	152	152	164	158	100	4.8
3/4"	20	13	178	178	190	163	100	7.7
1"	25	19.1	203	203	216	193	125	11.0
1 1/4"	32	24	216	216	229	250	160	16.8
1 1/2"	40	31.8	229	229	241	250	160	1.2
2"	50	38.1	267	267	283	291	180	32.6
2 1/2"	65	48.5	292	292	308	350	240	38.0

### Class 600

Size		Main Dimension						Weight (kg)
Inch	mm	RB	LRF	L BW	L RTJ	H	W	
1/2"	15	10	16	165	165	158	100	5.6
3/4"	20	13	190	190	190	163	100	7.8
1"	25	19.1	216	216	216	193	125	12.5
1 1/4"	32	24	229	229	229	250	160	17.0
1 1/2"	40	31.8	241	241	241	250	160	23.5
2"	50	38.1	292	292	295	291	180	38.8
2 1/2"	65	48.5	330	330	333	350	240	42.6

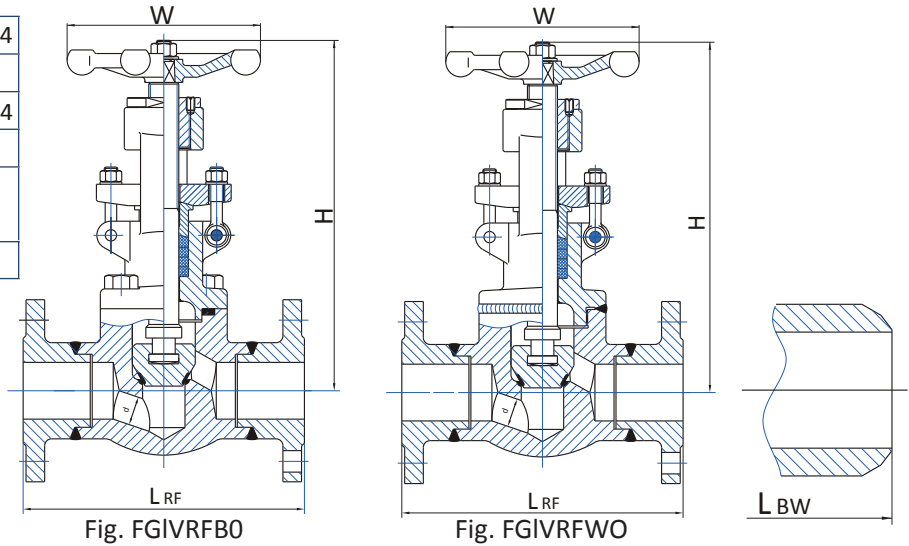
## FORGED STEEL GLOBE VALVES

### Standard Specification

Design Standard	GB/T12235, GB/T12224
Face to Face	GB/T12221, JB/T96-95
Flange Ends	GB/T9113, JB/T82.1~82.4
Butt weld Ends	GB/T12224
Pressure-Temperature Rating	GB/T12224
Inspection & Test	JB/T9092

### Structure Description

- ✦ Bolted Bonnet or Welded Bonnet
- ✦ Reduced Port
- ✦ General or Needle Type Disc
- ✦ Flange Ends or Butt-welding Ends



### PN1.6 / 2.5

Size		Main Dimension					Weight (kg)
Inch	mm	RB	LRF	LBW	H	W	
1/2"	15	10	130	130	158	100	3.8 / 4.0
3/4"	20	13	150	150	163	150	4.5 / 4.7
1"	25	19.1	160	160	193	125	5.6 / 5.8
1 1/4"	32	24	190	190	250	160	6.3 / 6.5
1 1/2"	40	31.8	200	200	250	160	9.1 / 10.7
2"	50	38.1	230	230	291	180	13.7 / 15.3
2 1/2"	65	48.5	290	290	350	240	24.5 / 26.2

### PN4.0

Size		Main Dimension					Weight (kg)
Inch	mm	RB	LRF	LBW	H	W	
1/2"	15	10	130	130	158	100	4.3
3/4"	20	13	150	150	163	100	5.0
1"	25	19.1	160	160	193	125	6.3
1 1/4"	32	24	190	190	250	160	7.0
1 1/2"	40	31.8	200	200	250	160	12.3
2"	50	38.1	230	230	291	180	18.8
2 1/2"	65	48.5	290	290	350	240	27.7

### PN6.4

Size		Main Dimension					Weight (kg)
Inch	mm	RB	LRF	LBW	H	W	
1/2"	15	10	170	170	158	100	4.8
3/4"	20	13	190	190	163	100	5.6
1"	25	19.1	210	210	193	125	8.0
1 1/4"	32	24	230	230	250	160	9.4
1 1/2"	40	31.8	260	260	250	160	13.7
2"	50	38.1	300	300	291	180	23.7
2 1/2"	65	48.5	340	340	350	240	32.0

### PN10.0

Size		Main Dimension					Weight (kg)
Inch	mm	RB	LRF	LBW	H	W	
1/2"	15	10	170	170	158	100	5.4
3/4"	20	13	190	190	163	100	6.6
1"	25	19.1	210	210	193	125	9.8
1 1/4"	32	24	230	230	250	160	10.5
1 1/2"	40	31.8	260	260	250	160	18.6
2"	50	38.1	300	300	291	180	27.6
2 1/2"	65	48.5	340	340	350	240	35.0

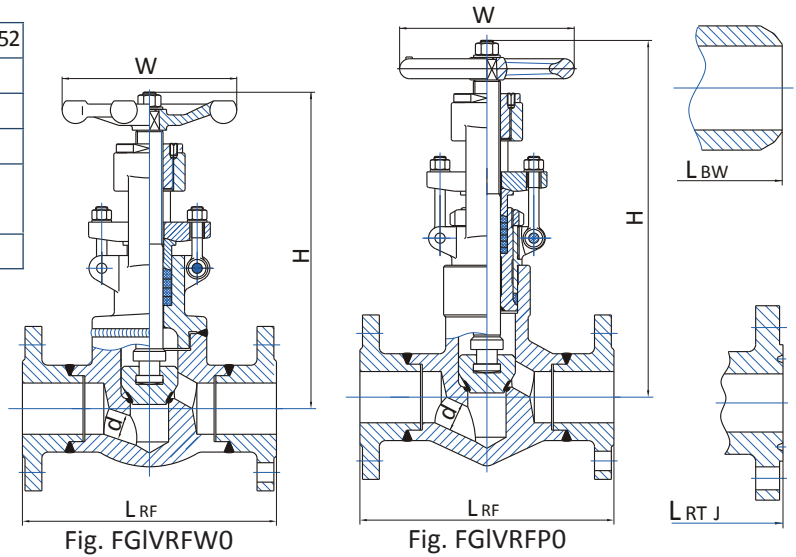
## FORGED STEEL GLOBE VALVES

### Standard Specification

	GB / JB	ASME / API
Design Standard	GB/T12235, GB/T12224	ASME B16.34 / BS 5352
Face to Face	GB/T12221, JB/T96-95	ASME B16.10
Flange Ends	GB/T9113, JB/T82.1~82.4	ASME B16.5
Butt weld Ends	GB/T12224	ASME B16.25
Pressure-Temperature Rating	GB/T12224	ASME B16.34
Inspection & Test	JB/T9092	API 598

### Structure Description

- ✦ Bolted Bonnet or Welded Bonnet or Pressure Sealed Bonnet
- ✦ Full Port
- ✦ General Disc
- ✦ Flange Ends or Butt-welding Ends



### Class 900 / Class 1500

Size		Main Dimension						Weight (kg)		
Inch	mm	FB	LRF	LBW	LRTJ	H		W	BB/WB	PB
						BB/WB	PB			
1/2"	15	13	216	216	216	207	207	125	7.4	15.5
3/4"	20	18	229	229	229	240	207	125	12.5	16.9
1"	25	24	254	254	254	258	240	160	16.0	18.9
1 1/4"	32	29	279	279	279	290	258	160	17.2	25.5
1 1/2"	40	36.5	305	305	305	337	290	180	23.0	34.3
2"	50	46.5	368	368	371.2	354	337	240	23.8	52.8

### PN16.0

Size		Main Dimension						Weight (kg)		
Inch	mm	FB	LRF	LBW	LRTJ	H		W	BB/WB	PB
						BB/WB	PB			
1/2"	15	13	170	170	/	207	207	125	6.2	14.3
3/4"	20	18	190	190	/	240	207	125	10.5	15.2
1"	25	24	210	210	/	258	240	160	14.0	17.0
1 1/4"	32	29	230	230	/	290	258	160	15.0	22.6
1 1/2"	40	36.5	260	260	/	337	290	180	18.5	30.0
2"	50	46.5	300	300	/	354	337	240	25.0	48.1

### PN26.0

Size		Main Dimension						Weight (kg)		
Inch	mm	FB	LRF	LBW	LRTJ	H		W	BB/WB	PB
						BB/WB	PB			
1/2"	15	13	216	216	/	207	207	125	7.4	15.5
3/4"	20	18	229	229	/	240	207	125	12.5	16.9
1"	25	24	254	254	/	258	240	160	16.0	18.9
1 1/4"	32	29	279	279	/	290	258	160	17.2	25.5
1 1/2"	40	36.5	305	305	/	337	290	180	23.0	34.3
2"	50	46.5	368	368	/	354	337	240	29.8	52.8

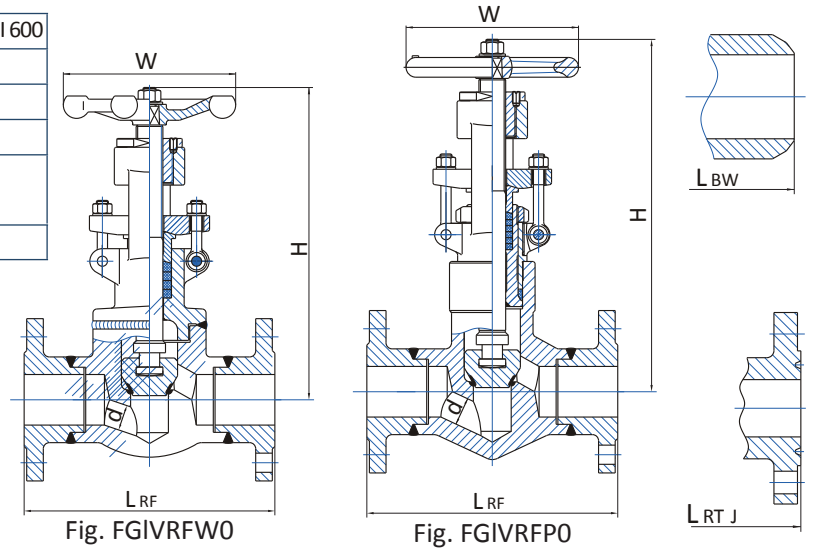
## FORGED STEEL GLOBE VALVES

### Standard Specification

	GB / JB	ASME / API
Design Standard	GB/T12224, GB/T12224	ASME B16.34 / API 600
Face to Face	GB/T12221, JB/T97-95	ASME B16.10
Flange Ends	GB/T9113, JB/T82.1~82.4	ASME B16.5
Butt weld Ends	GB/T12224	ASME B16.25
Pressure-Temperature Rating	GB/T12224	ASME B16.34
Inspection & Test	JB/T9092	API 598

### Structure Description

- ✦ Welded Bonnet or Pressure Sealed Bonnet
- ✦ Reduced Port
- ✦ General Disc
- ✦ Flange Ends or Butt-welding Ends



### Class 900 / PN16.0

Size		Main Dimension						Weight (kg)		
Inch	mm	RB	LRF	LBW	LRTJ	H		W	WB	PB
						WB	PB			
1/2	15	10	216	216	216	310	333	180	13.5	12.5
3/4	20	13	229	229	229	310	333	180	12.6	11.8
1	25	19.1	254	254	254	310	333	180	11.8	11.5
1 1/4	32	25	279	279	279	389	420	200	24.4	23.4
1 1/2	40	32	305	305	305	389	420	200	22.5	21.7
2"	50	38.1	368	368	371.2	498	524	300	45.5	43.5

### Class 1500 / PN26.0

Size		Main Dimension						Weight (kg)		
Inch	mm	RB	LRF	LBW	LRTJ	H		W	WB	PB
						WB	PB			
1/2	15	10	216	216	216	310	333	180	13.5	12.5
3/4	20	13	229	229	229	310	333	180	12.6	11.8
1	25	19.1	254	254	254	310	333	180	11.8	11.5
1 1/4	32	25	279	279	279	389	420	200	24.4	23.4
1 1/2	40	32	305	305	305	389	420	200	22.5	21.7
2"	50	38.1	368	368	371.2	498	524	300	45.5	43.5

### Class 2500 / PN42.0

Size		Main Dimension						Weight (kg)		
Inch	mm	RB	LRF	LBW	LRTJ	H		W	WB	PB
						WB	PB			
1/2	15	10	264	264	264	310	333	180	14.3	13.3
3/4	20	13	273	273	273	310	333	180	13.1	12.5
1	25	19.1	308	308	308	310	333	180	12.4	11.8
1 1/4	32	25	349	349	352.2	389	420	200	25.0	25.5
1 1/2	40	32	384	384	378.2	389	420	200	24.2	24.6
2"	50	38.1	451	451	454.2	498	524	300	49.0	47.2

## FORGED STEEL GLOBE VALVES

### Standard Specification

	GB / JB	ASME / API
Design Standard	JB/T7746	API 602
Face to Face	JB/T7746	Factory Standard
Socket-Welded Ends	JB/T1751	ASME B16.11
Threaded Ends	GB/T7306	ASME B1.20.1
Pressure-Temperature Rating	GB/T12224	ASME B16.34
Inspection & Test	JB/T9092	API 598

### Structure Description

- ✦ Bolted Bonnet or Welded Bonnet
- ✦ Outside Screw Stem or Inside Screw Stem
- ✦ Full Port or Reduced Port
- ✦ General or Needle Type Disc
- ✦ Threaded Ends or SW Ends

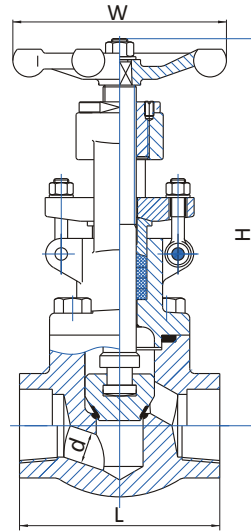


Fig. FGIVSW(G)B0

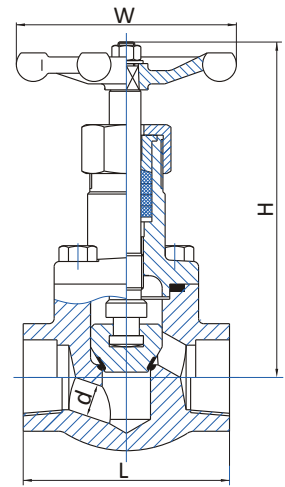


Fig. FGIVSW(G)BI

### Class 150 - 600 / PN1.6 ~ 10.0

REDUCED BORE	Structure	Size		Main Dimension			Weight (kg)
		Inch	mm	d	L	H	
	OS&Y	1/4	8	7	79	153	100
3/8		10	10	79	153	100	2.2
1/2"		15	10	79	158	100	2.2
3/4"		20	13	92	163	100	2.2
1"		25	18	111	163	125	4.7
1 1/4"		32	24	120	250	160	5.9
1 1/2"		40	29	120	250	160	6.9
2"		50	36.5	140	291	180	11.1

FULL BORE	Structure	Size		Main Dimension			Weight (kg)
		Inch	mm	d	L	H	
	OS&Y	1/4	8	7	79	153	100
3/8		10	10	79	158	100	2.2
1/2"		15	13	92	163	100	2.2
3/4"		20	18	111	193	125	4.3
1"		25	24	120	250	160	5.9
1 1/4"		32	29	120	250	160	6.9
1 1/2"		40	36.5	140	291	180	11.1
2"		50	46.5	178	350	240	15.2

### Class 150 - 600 / PN1.6 ~ 10.0

REDUCED BORE	Structure	Size		Main Dimension			Weight (kg)
		Inch	mm	d	L	H	
	ISRS	1/4"	8	7	79	169	100
3/8"		10	10	79	169	100	2.2
1/2"		15	10	79	169	100	2.2
3/4"		20	13	92	182	100	2.2
1"		25	18	111	208	125	4.6
1 1/4"		32	24	120	254	160	5.9
1 1/2"		40	29	120	290	160	6.9
2"		50	36.5	140	330	180	11.1

FULL BORE	Structure	Size		Main Dimension			Weight (kg)
		Inch	mm	d	L	H	
	ISRS	1/4"	8	7	79	169	100
3/8"		10	10	79	169	100	2.4
1/2"		15	13	92	182	100	2.3
3/4"		20	18	111	208	125	4.8
1"		25	24	120	254	160	6.1
1 1/4"		32	29	120	290	160	7.2
1 1/2"		40	36.5	140	330	180	11.2
2"		50	46.5	178	372	200	14.1

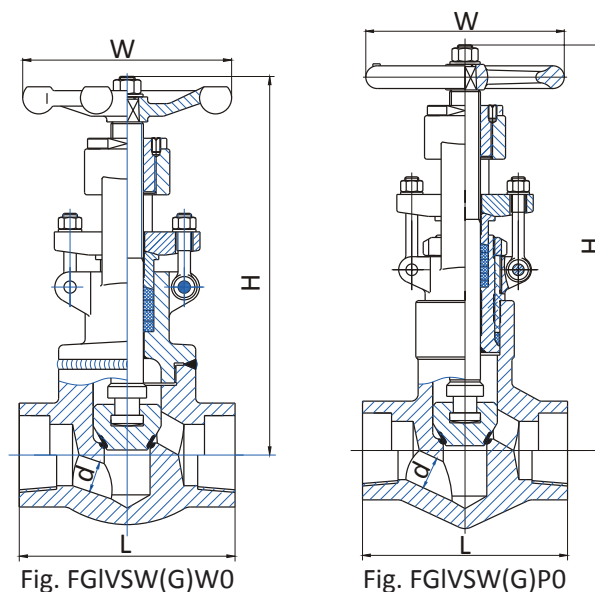
## FORGED STEEL GLOBE VALVES

### Standard Specification

	GB / JB	ASME / API / BS
Design Standard	JB/T7746	BS 5352
Face to Face	JB/T7746	Factory Standard
Socket-Welded Ends	JB/T1751	ASME B16.11
Threaded Ends	GB/T7306	ASME B1.20.1
Pressure-Temperature Rating	GB/T12224	ASME B16.34
Inspection & Test	JB/T9092	API 598

### Structure Description

- ✦ Bolted Bonnet or Welded Bonnet or Pressure Sealed Bonnet
- ✦ Full Port
- ✦ General or Needle Disc
- ✦ Threaded Ends or SW Ends



### Class 900 / PN16.0

Structure	Size		Main Dimension			Weight (kg)	
	Inch	mm	d	L	H		W
BB WB	1/4"	8	7	10	166	120	3.6
	3/8"	10	10	102	166	120	3.5
	1/2"	15	13	102	169	120	3.4
	3/4"	20	18	111	193	125	3.8
	1"	25	24	120	230	160	7.8
	1 1/4"	32	29	120	246	160	11.9
	1 1/2"	40	36.5	140	283	180	12.2
	2"	50	46.5	178	330	200	21.9

Structure	Size		Main Dimension			Weight (kg)	
	Inch	mm	d	L	H		W
PB	1/2"	15	13	140	321	125	11.5
	3/4"	20	18	140	321	125	11.0
	1"	25	24	140	321	160	10.2
	1 1/4"	32	29	178	380	160	20.5
	1 1/2"	40	36.5	178	414	180	21.7
	2"	50	46.5	216	502	240	43.5

### Class 1500 / PN26.0

Structure	Size		Main Dimension			Weight (kg)	
	Inch	mm	d	L	H		W
BB WB	1/4"	8	7	102	166	120	3.6
	3/8"	10	10	102	166	120	3.5
	1/2"	15	13	102	169	120	3.4
	3/4"	20	18	111	193	125	3.8
	1"	25	24	120	230	160	7.8
	1 1/4"	32	29	120	246	160	11.9
	1 1/2"	40	36.5	140	283	180	12.2
	2"	50	46.5	178	330	200	21.9

Structure	Size		Main Dimension			Weight (kg)	
	Inch	mm	d	L	H		W
PB	1/2"	15	13	140	321	125	11.5
	3/4"	20	18	140	321	125	11.0
	1"	25	24	140	321	160	10.2
	1 1/4"	32	29	178	380	160	20.5
	1 1/2"	40	36.5	178	414	180	21.7
	2"	50	46.5	216	502	240	43.5



## FORGED STEEL GLOBE VALVES

### Standard Specification

	GB / JB	ASME / API
Design Standard	GB/T12235, JB/T7749	API 602 / API 600
Face to Face	GB/T12221, JB/T97-95	ASME B16.10
Flange Ends	GB/T9113, JB/T82.1~82.4	ASME B16.5
Butt weld Ends	GB/T12224	ASME B16.25
Socket-welded End	JB/T1751	ASME B16.11
Threaded Ends	GB/T7306	ASME B1.20.1
Pressure-Temperature Rating	GB/T12224	ASME B16.34
Inspection & Test	JB/T9092	API 598

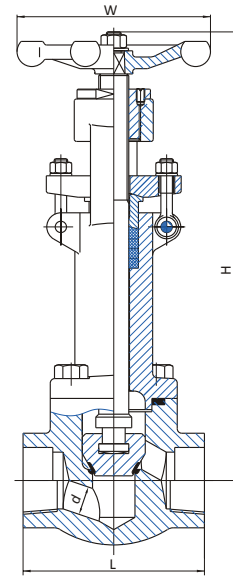


Fig. FGVSW(G)L0

### Structure Description

- ✦ Bolted & Lengthened Bonnet (Low Temperature)
- ✦ Full Port
- ✦ General Disc
- ✦ Flange Ends or Butt-welding Ends

### Class 150 / Class 300

	Size		Main Dimension			
	Inch	mm	FB	L	H	W
R F / M F M B W	1/2"	15	13	152	339	125
	3/4"	20	18	178	370	125
	1"	25	24	203	410	160
	1 1/4"	32	29	216	474	180
	1 1/2"	40	36.5	229	474	180
	2"	50	46.5	267	546	200

	Size		Main Dimension				Weight (kg)	
	Inch	mm	FB	L		H		W
				SW	G/T			
S W G / T	1/2"	15	13	92	92	339	125	7.2
	3/4"	20	18	111	111	370	125	9.5
	1"	25	24	120	120	410	160	13.5
	1 1/4"	32	29	172	120	474	180	20.6
	1 1/2"	40	36.5	172	140	474	180	19.8
	2"	50	46.5	200	178	546	200	29.0

### Class 600

	Size		Main Dimension			
	Inch	mm	FB	L	H	W
R F / M F M B W	1/2"	15	13	165	339	125
	3/4"	20	18	190	370	125
	1"	25	24	216	410	160
	1 1/4"	32	29	229	474	180
	1 1/2"	40	36.5	241	474	180
	2"	50	46.5	292	546	200

	Size		Main Dimension				Weight (kg)	
	Inch	mm	FB	L		H		W
				SW	G/T			
S W G / T	1/2"	15	13	92	92	339	125	7.2
	3/4"	20	18	111	111	370	125	9.5
	1"	25	24	120	120	410	160	13.5
	1 1/4"	32	29	172	120	474	180	20.6
	1 1/2"	40	36.5	172	140	474	180	19.8
	2"	50	46.5	200	178	546	200	29.0

## FORGED STEEL GLOBE VALVES

### Class 800

RF / MFM BW	Size		Main Dimension			
	Inch	mm	FB	L	H	W
	1/2"	15	13	-	339	125
3/4"	20	18	-	370	125	
1"	25	24	-	410	160	
1 1/4"	32	29	-	474	180	
1 1/2"	40	36.5	-	474	180	
2"	50	46.5	-	546	200	

SW G/T	Size		Main Dimension				Weight (kg)	
	Inch	mm	FB	L		H		W
				SW	G/T			
1/2"	15	13	92	92	339	125	7.2	
3/4"	20	18	111	111	370	125	9.5	
1"	25	24	120	120	410	160	13.5	
1 1/4"	32	29	172	120	474	180	20.6	
1 1/2"	40	36.5	172	140	474	180	19.8	
2"	50	46.5	200	178	546	200	29.0	

### PN1.6 ~ 4.0

RF / MFM BW	Size		Main Dimension			
	Inch	mm	FB	L	H	W
	1/2"	15	13	130	339	125
3/4"	20	18	150	370	125	
1"	25	24	160	410	160	
1 1/4"	32	29	190	474	180	
1 1/2"	40	36.5	200	474	180	
2"	50	46.5	230	546	200	

SW G/T	Size		Main Dimension				Weight (kg)	
	Inch	mm	FB	L		H		W
				SW	G/T			
1/2"	15	13	92	92	339	125	7.2	
3/4"	20	18	111	111	370	125	9.5	
1"	25	24	120	120	410	160	13.5	
1 1/4"	32	29	172	120	474	180	20.6	
1 1/2"	40	36.5	172	140	474	180	19.8	
2"	50	46.5	200	178	546	200	29.0	

### PN6.4 ~ 10.0

RF / MFM BW	Size		Main Dimension			
	Inch	mm	FB	L	H	W
	1/2"	15	13	170	339	125
3/4"	20	18	190	370	125	
1"	25	24	210	410	160	
1 1/4"	32	29	230	474	180	
1 1/2"	40	36.5	260	474	180	
2"	50	46.5	300	546	200	

SW G/T	Size		Main Dimension				Weight (kg)	
	Inch	mm	FB	L		H		W
				SW	G/T			
1/2"	15	13	92	92	339	125	7.2	
3/4"	20	18	111	111	370	125	9.5	
1"	25	24	120	120	410	160	13.5	
1 1/4"	32	29	172	120	474	180	20.6	
1 1/2"	40	36.5	172	140	474	180	19.8	
2"	50	46.5	200	178	546	200	29.0	

## FORGED STEEL GLOBE VALVES

### Standard Specification

Design Standard	ASME B16.34 / BS 5352
Face to Face	Manufacturer Standard
Socket-welded End	ASME B16.11
Threaded Ends	ASME B1.20.1
Pressure-Temperature Rating	ASME B16.34
Inspection & Test	API 598

### Structure Description

- ✦ Y-Type Structure
- ✦ Bolted Bonnet or Welded Bonnet
- ✦ Full Port
- ✦ Conical Disc
- ✦ Threaded Ends or SW Ends

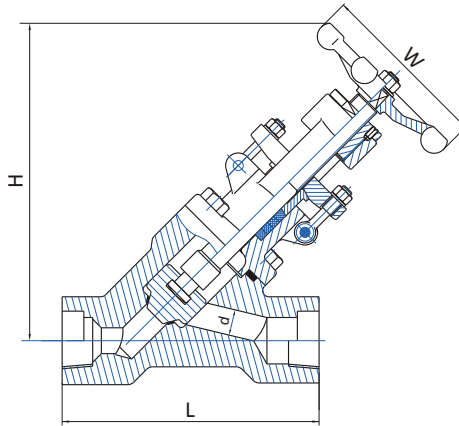


Fig. FGIVSW(G)YB0

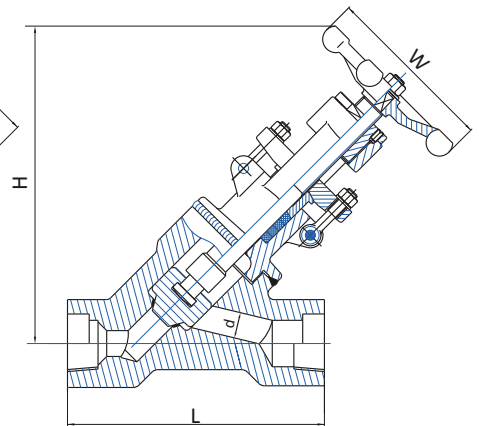


Fig. FGIVSW(G)YW0

### Class 800

	Size		Main Dimension				Weight (kg)
	Inch	mm	FB	L	H	W	
	1/2"	15	13	108	175	100	2.6
	3/4"	20	18	180	175	100	2.3
	1"	25	24	130	233	125	4.1
	1 1/4"	32	29	160	281	160	13.7
	1 1/2"	40	36.5	160	281	160	13.3
	2"	50	46.5	190	310	180	26.0
	2 1/2"	65	64	220	340	200	35.6

	Size		Main Dimension				Weight (kg)
	Inch	mm	FB	L	H	W	
	1/2"	15	13	108	175	100	2.6
	3/4"	20	18	180	175	100	2.3
	1"	25	24	130	233	125	4.1
	1 1/4"	32	29	160	281	160	13.7
	1 1/2"	40	36.5	160	281	160	13.3
	2"	50	46.5	190	310	180	26.0
	2 1/2"	65	64	220	340	200	35.6

### Class 1500

	Size		Main Dimension				Weight (kg)
	Inch	mm	FB	L	H	W	
	1/2"	15	13	130	225	125	3.8
	3/4"	20	18	130	225	125	4.2
	1"	25	24	180	274	160	7.8
	1 1/4"	32	29	190	307	180	17.2
	1 1/2"	40	36.5	190	307	180	17.6
	2"	50	46.5	220	356	200	29.1
	2 1/2"	65	64	260	472	300	40.4

	Size		Main Dimension				Weight (kg)
	Inch	mm	FB	L	H	W	
	1/2"	15	13	130	217	125	3.5
	3/4"	20	18	130	217	125	4.0
	1"	25	24	180	225	160	6.0
	1 1/4"	32	29	190	274	180	15.0
	1 1/2"	40	36.5	190	274	180	15.0
	2"	50	46.5	200	307	200	28.0
	2 1/2"	65	64	260	463	300	37.5

## HOW TO ORDER

**VT - XX - FGIV - XX - XX - XX - XX - X - XXX**

①

②

③

④

⑤

⑥

⑦

① Size:  
1/2" - 2"

Type:  
FGIV- Forged Steel Globe Valves

② Bore Type:  
RB - Reduced Bore  
FB - Full Bore

③ Pressure:  
1 - Class 150 / PN1.6  
2 - PN2.5  
3 - Class 300  
4 - Class 400 / PN4.0  
6 - Class 600 / PN6.4  
8 - Class 800  
9 - Class 900  
10 - PN10.0  
16 - PN16.0  
20 - PN20.0  
25 - Class 2500

④ Design Structure:  
BO - BB - OS&Y  
YBO - Type BB - OS&Y  
WO - WB - OS&Y  
YWO - Y Type WB-OS&Y  
PO-PB-OS&Y  
LO-LB-OS&Y  
WI-WB-ISRS  
BI-BB-ISRS

⑤ Body Material:  
C - A105  
C5 - F5  
C6 - F11  
C9 - F22  
BL - LF2  
CL - LF3  
8 - F304  
8M - F316  
3 - 304L  
3M - 316L  
ML - MONEL

⑥ Seat Face/Liner Material:  
H - Cr13 S.S  
E - 18-8 S.S  
R - Mo2Ti S.S  
D - Nitriding Steel  
M - Monel Alloy  
Y - Stellite

⑦ End Connection:  
RF - Raised Face Flanges  
RJ - Ring Type Joint  
MFM - Male & Female Face  
BW - Butt Weld Ends  
SW - Socket-weld  
G - 55° (RC)  
T - 60° (NPT)  
TG - Tongued & Grooved