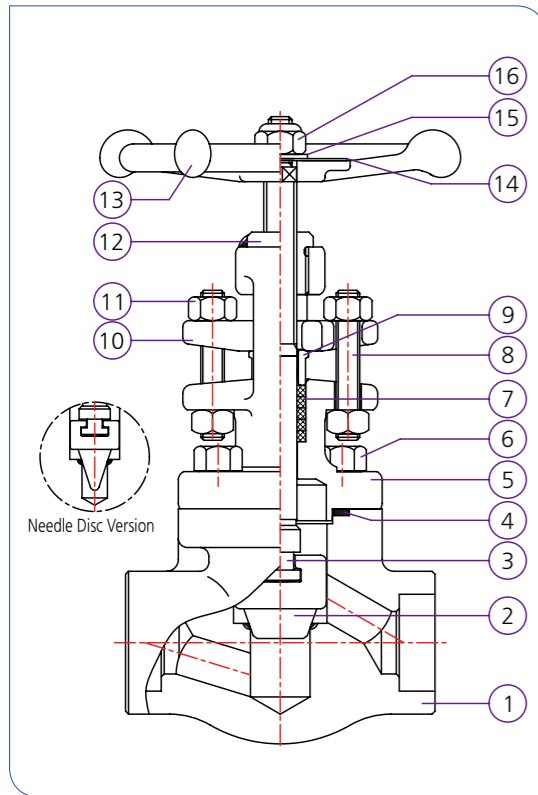


Typical Configurations for Globe Valves

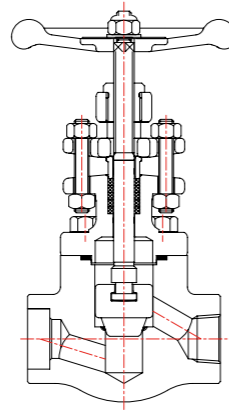
(Design Standard: API 602, BS 5352, ISO 15761, ASME B16.34)

Assembly for General Globe Valve



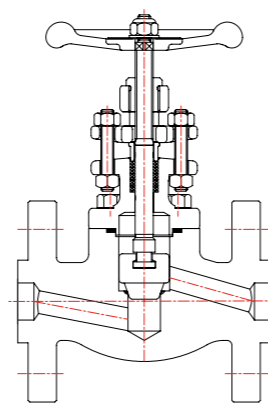
- | | |
|----------------|------------------|
| 1. Body | 10. Gland Flange |
| 2. Disc | 11. Gland Nut |
| 3. Stem | 12. Yoke Bush |
| 4. Gasket | 13. Handwheel |
| 5. Bonnet | 14. Nameplate |
| 6. Bonnet Bolt | 15. H/W Washer |
| 7. Packing | 16. H/W Nut |
| 8. Gland Bolt | |
| 9. Gland | |

SW, NPT Ends



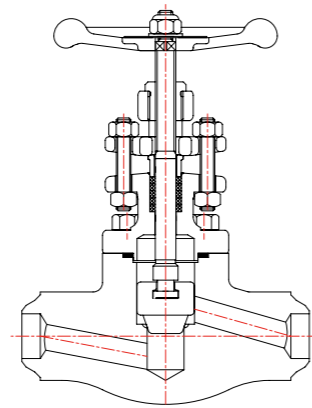
Socket Weld(SW) : ASME B16.11
Thread(NPT) : ASME B1.20.1

Flanged Ends



Flange(FLG) : ASME B16.5
Face-to-Face : ASME B16.10

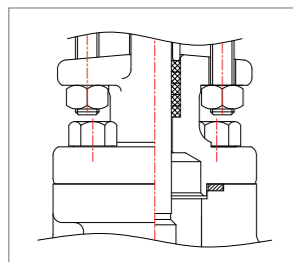
Long Pattern BW Ends



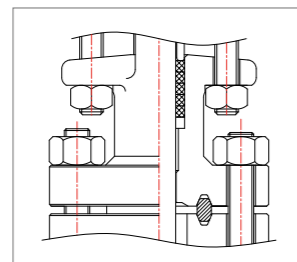
Butt Weld(BW) : ASME B16.25
End-to-End : ASME B16.10

Typical Configurations for Bonnet Joint

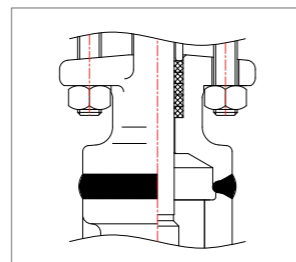
Bolted Bonnet (BB) (Spiral Wound Type)



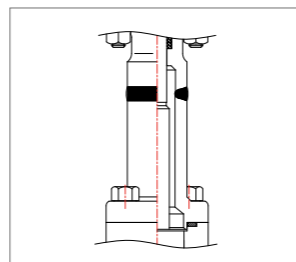
Bolted Bonnet (BB) (Ring Type Joint)



Welded Bonnet (WB) (Full Penetration Welding)



Extended Bonnet (EB) (Fabricated Welding)

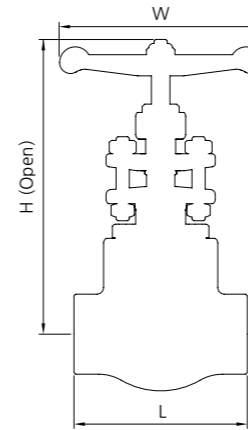


※ Extended Bonnet is applied to Cryogenic(SS) & Low temperature(LF2) services.

Value Dimensions - Globe

SW, NPT

Unit : mm, unless otherwise specified.



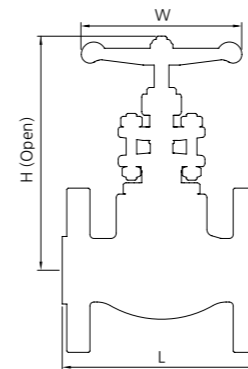
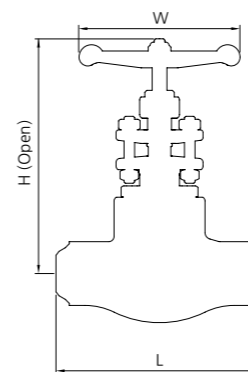
Symbol	Bonnet Joint	Class	RP	1/4	3/8,1/2	3/4	1	1-1/2	2	
			FP		1/4	3/8,1/2	3/4	1	1-1/2	2
L (End-to-end)	All Type	800		76	76	92	104	140	183	220
		1500		92	92	104	140	183	210	
W (Handwheel)	All Type	800		82	82	102	129	156	156	200
		1500		102	102	129	156	200	240	
P (Port Dia.)	All Type	800		6.4	9.5	12.7	17.5	29.5	36.0	44.0
		1500		6.4	9.5	12.7	16.0	25.0	27.0	
H (Height)	BB,WB	800		144	144	154	177	219	254	323
		1500		150	150	179	208	253	301	
	EB (LowT.)	800		261	261	286	311	397	493	
		1500		265	265	313	340	418	534	
	EB (Cryo.)	800		419	419	426	451	504	564	
		1500		425	425	453	480	527	605	
Wt (kg)	BB,WB	800		1.5	1.5	2.2	3.0	5.6	8.9	15.0
		1500		2.4	2.4	3.3	5.8	13.0	22.0	
	EB (LowT.)	800		2.1	2.1	2.7	4.3	8.5	12.3	
		1500		3.1	3.1	4.0	6.8	14.9	25.6	
	EB (Cryo.)	800		3.0	3.0	3.7	5.3	9.5	13.1	
		1500		4.2	4.2	5.1	8.1	16.2	27.0	

※ Abbreviations

BB: Bolted Bonnet / WB: Welded Bonnet / EB: Extended Bonnet / Cryo.: Cryogenic Service / Low T.: Low Temperature Service
RP: Reduced Port / FP: Full Port

BW(Long), FLG

Unit : mm, unless otherwise specified.



Symbol	Bonnet Joint	Class	1/2 (DN15)	3/4 (DN20)	1 (DN25)	1-1/2 (DN40)	2 (DN50)
			L (End-to-end)	All Type	150	108	117
W (Handwheel)	All Type	300	152	178	203	229	267
		600	165	190	216	241	292
P (Port Dia.)	All Type	150-600	216	229	254	305	368
		1500	82	102	129	156	156
H (Height)	BB,WB	150-600	9.5	12.7	17.5	29.5	36.0
		1500	9.5	12.7	16.0	25	27.0
	EB (LowT.)	150-600	144	154	177	225	254
		1500	150	179	218	253	301
	EB (Cryo.)	150-600	261	286	311	407	493
		1500	265	313	350	418	534
Wt (kg) BW(Long) /FLG	BB,WB	150	1.7/2.8	2.4/3.5	3.3/5.1	6.1/9.3	9.5/12.8
		300	1.9/3.1	2.9/3.8	4.2/5.4	7.4/9.6	11.3/13.2
	EB (LowT.)	600	2.0/3.6	3.0/5.0	4.4/6.8	7.6/12.5	12.1/16.6
		1500	3.5/8.3	5.0/10.2	8.6/13.5	17.1/38.2	29.0/42.0
	EB (Cryo.)	150	2.3/3.4	2.9/4.0	4.6/6.4	9.0/12.2	12.9/16.2
		300	2.5/3.7	3.4/4.3	5.5/6.7	10.3/12.5	14.7/16.6
	EB (Cryo.)	600	2.6/4.2	3.5/5.5	5.7/8.1	10.5/15.4	15.5/20.0
		1500	4.2/9.0	5.7/10.9	9.6/14.5	19.0/40.1	32.7/45.7
	EB (Cryo.)	150	3.2/4.3	3.9/5.0	5.6/7.4	10.0/13.2	13.7/17.0
		300	3.4/4.6	4.4/5.3	6.5/7.7	11.3/13.5	15.5/17.4
	EB (Cryo.)	600	3.5/5.1	4.5/6.5	6.7/9.1	11.5/16.4	16.3/20.8
		1500	5.3/10.1	6.8/12.0	10.9/15.8	20.3/41.4	34.0/47.0

※ ASME Class 900 is same as Class 1500.