



Features / Design

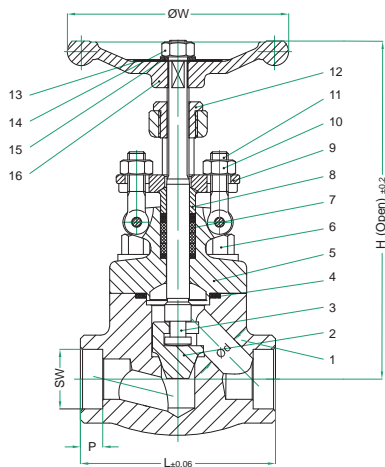
- 1.- Forged Steel, OS&Y Design.
- 2.- Sizes 1/2" to 2", Class 800# to 2500#.
- 3.- Basic design API 602 & ANSI B16.34.
- 4.- Threaded ends according to ANSI B1.20.1.
- 5.- Socket Weld ends according to ANSI B16.11.
- 6.- Butt Weld ends according to ANSI B16.25.
- 7.- Flanged ends ANSI B16.5 (welded).
- 8.- Face to face dimensions acc. to MFG.
- 9.- Inspection & Testing API 598.

Material List

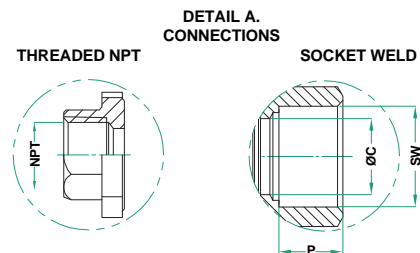
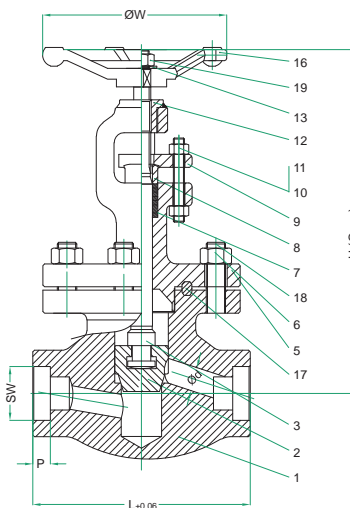
NO.	DESCRIPTION	MATERIAL	
		TRIM 5	TRIM 10
1	BODY	A105N + STL #6	A182 F316
2	DISC	A182 F6a + ST #6	A182 F316
3	STEM	A276 410	A276 316
4	GASKET	SS304 + GRAPHITE	SS316 + GRAPHITE
5	BONNET	A105N	A182 F316
6	HEX. BOLT	A193 B7M	A193 B8M
7	PACKING	FLEX. GRAPHITE	FLEX. GRAPHITE
8	GLAND	A276 410	A276 410
9	GLAND FLANGED	A105N	A182 F316
10	GLAND NUT	A194 2HM	A194 8M
11	GLAND EYEBOLT	A193 B7M	A193 B8M
12	YOKE NUT	ASTM 1035	ASTM 1035
13	NAME PLATE	STAINLESS STEEL	STAINLESS STEEL
14	NUT	CARBON STEEL	CARBON STEEL
15	WASHER	CARBON STEEL + Zn	CARBON STEEL + Zn
16	HANDWHEEL	A197	A197
17	SEALING RING	SS316	SS316
18	HEX. NUT	A194 2HM	A194 8M
19	BOLT	CARBON STEEL	CARBON STEEL

NOTE: Material list as example, TRIM 5 and 10 acc. to NACE MR0175, other materials and trims available; please contact us.

For ASME 800# / 1500#



For ASME 2500#



Dimensions (inches)

ANSI CLASS 800#

SIZE	L (in)	Ød (in)	NPT (in)	SW (in)	P MIN (in)	H (in)	ØW (in)	CV (USgpm)	Open Torque (lb*in)	Close Torque (lb*in)	Weight (lb)
1/2"	3.110	0.394	1/2"	0.866±0.008	0.374	6.260	3.780	2	629.027	336.283	4.409
3/4"	3.622	0.512	3/4"	1.078±0.008	0.492	6.772	3.780	4	304.425	380.531	5.291
1"	4.370	0.669	1"	1.342±0.008	0.492	8.150	4.724	6	389.381	486.726	9.039
1 1/4"	/	/	1 1/4"	1.689±0.008	0.492	/	/	10	/	/	/
1 1/2"	5.984	1.102	1 1/2"	1.929±0.008	0.492	9.567	9.567	15	601.770	752.212	14.991
2"	6.772	1.417	2"	2.419±0.010	0.630	11.417	11.417	23	849.558	1061.947	22.708

ANSI CLASS 1500#

SIZE	L (in)	Ød (in)	NPT (in)	SW (in)	P MIN (in)	H (in)	ØW (in)	CV (USgpm)	Open Torque (lb*in)	Close Torque (lb*in)	Weight (lb)
1/2"	3.622	0.394	1/2"	0.866±0.008	0.374	6.772	3.740	2	318.584	398.230	4.630
3/4"	4.370	0.512	3/4"	1.078±0.008	0.492	8.189	4.528	4	389.381	486.726	7.937
1"	4.724	0.669	1"	1.342±0.008	0.492	8.937	5.709	6	530.973	663.717	11.685
1 1/4"	5.984	0.866	1 1/4"	1.689±0.008	0.492	9.921	5.709	10	672.566	840.708	15.212
1 1/2"	6.772	1.063	1 1/2"	1.929±0.008	0.492	11.417	6.496	15	1061.947	1327.434	24.251
2"	8.661	1.378	2"	2.419±0.010	0.630	13.189	7.874	23	1557.522	1946.903	39.683

ANSI CLASS 2500#

SIZE	L (in)	Ød (in)	NPT (in)	SW (in)	P MIN (in)	H ⁽¹⁾ (in)	ØW ⁽²⁾ (in)	CV (USgpm)	Open Torque (lb*in)	Close Torque (lb*in)	Weight (lb)
1/2"	5.512	0.406	1/2"	0.866±0.008	0.374	*	*	2	637.168	796.460	25.353
3/4"	5.512	0.531	3/4"	1.078±0.008	0.492	*	*	4	743.363	929.204	25.353
1"	7.874	0.669	1"	1.342±0.008	0.492	*	*	6	1047.788	1309.735	25.353
1 1/4"	7.874	0.866	1 1/4"	1.689±0.008	0.492	*	*	10	1699.115	2123.894	*
1 1/2"	7.874	1.063	1 1/2"	1.929±0.008	0.492	*	*	15	2265.487	2831.858	*
2"	8.661	1.299	2"	2.419±0.010	0.630	*	*	23	2973.451	3716.814	*

NOTE:

* Please consult with manufacturer.

(1) Height of the center of the port to handwheel for ASME Class 2500# please check with supplier.

(2) Handwheel diameter for ASME Class 2500# please check with supplier.

How to Order

BODY DESIGN (SERIES)	BONNET DESIGN	DISC DESIGN	SPECIAL FEATURES	MATERIAL		ENDS	CLASS	SIZE		OPERATION
				BODY	TRIM*					
62 Globe Valve OS&Y API 602	B Bolted Bonnet	C Conical Std Plug	None None	20 A105	01 Obsolete	F Flanged RF ⁽¹⁾	0 ANSI 150#	0.5	1/2"	H Handwheel
			N NACE	22 A350 LF2	02 Obsolete	3 ANSI 300#	0.75	3/4"	G Gear Operator	
	F Fire Safe		23 A350 LF3	03 310SS	6 ANSI 600#	01	1"	E Electric Actuator		
	O Oxigen Service		24 A182 F1	05 13CR / HF / HF	8 API 800#	01.25	1 1/4"			
	FE Fugitive Emmissions		25 A182 F11 CL2	06 13CR /13 CR / CuNi	1 ANSI 1500#	01.5	1 1/2"	P Pneumatic Actuator		
	BS Bellows Seal		26 A182 F22 CL3	08 13CR / 13 CR / HF	2 ANSI 2500#	02	2"	B Bare Shaft		
	CR Criogenic Service		27 A182 F5	09 Monel	M 2 difierent ends (to be specified)					
	G Fire Safe / NACE		28 A182 F9	10 316SS						
			30 A182 F316	11 Monel / Monel/HF						
			31 A182 F316L	12 316SS / 316SS / HF						
			32 A182 F304	13 CN7M						
			33 A182 F304L	14 CN7M / CN7M/HF						
			40 Monel	15 A105 /HF / HF						
			41 182 F20	16 SS316+HF / SS316+HF / SS316+HF						
			42 Hastelloy	17 316L SS						
			43 A182 F321							
			44 A182 F347							

Example:

Globe Valve OS&Y API 602, Bolted Bonnet, Std. Disc, Body A105, Trim 5,
Flanged RF ANSI Class 150#, Size 2" with Handwheel.

62BC2005F002H

NOTES:

* HF = Hard Faced, usually Stellite 6; other upon request.

(1) Flanged valves are flange welded (non integral body), available from 150# to 600#.

