

FORGED VALVES : GATE/GLOBE/LIFT CHECK

STANDARDS

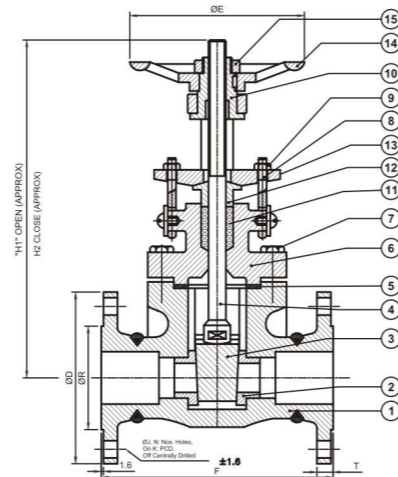
Design Std.	ASME B16.34 / API 602
End Connection	Flange Ends - ASME B 16.5 Socket Weld Ends - ASME B 16.11 Screwed Ends - ASME B 1.20.1
Testing Std.	API 598 / BS EN 12266-Part-I

DESIGN FEATURES

Material : A105 / F11 / F22 / F304 / F316 / F51 / LF2
Pressure Rating : 800# / 1500# / 2500#
Size Range : 1/2" to 2"
Trims Material : Available on requirement
 (Full port / Reduce Port / Integral Flange / Welded Flange)

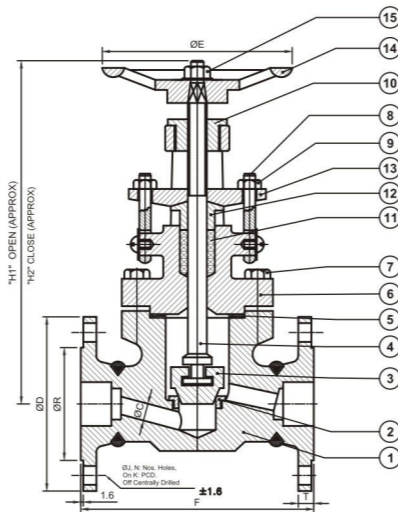
FORGED GATE VALVE

P. NO.	Part Name	MATERIAL OF CONSTRUCTION		
		Forged CS	Forged SS 304	Forged SS 316
1	Body	ASTM A 105	A182 F304	A182 F316
2	Seat Ring	11-13% Cr. SS	SS 304	SS 316
3	Wedge	11-13% Cr. SS	SS 304	SS 316
4	Stem	A 182 F6	A182 F304	A182 F316
5	Gasket	SS 304/316 Spiral Wound		
6	Bonnet	ASTM A 105	A182 F304	A182 F 316
7	Bonnet Bolt	A 193 Gr. B7	SS 304	SS 316
8	Gland Bolt	A 193 Gr. B7	SS 304	SS 316
9	Glant Nut	A 194-2H	SS 304	SS 316
10	Stem Nut	Nl. Resist	Nl. Resist	Nl. Resist
11	Packing	To Suit Service		
12	Gland Follower	AISI 410	AISI 304	AISI 316
13	Gland Flange	A 105	SS 304	SS 316
14	Hand Wheel		MCI	
15	Hand Wheel Nut		MS	



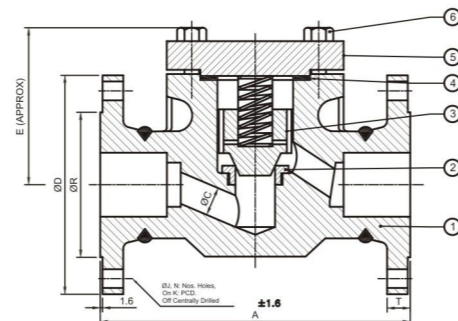
FORGED GLOBE VALVE

P. NO.	Part Name	MATERIAL OF CONSTRUCTION		
		Forged CS	Forged SS 304	Forged SS 316
1	Body	ASTM A 105	A182 F304	A182 F316
2	Seat	11-13% Cr. SS	Integral	Integral
3	Plug/Disc	A 182 F6	SS 304	SS 316
4	Stem	A 182 F6	A182 F304	A182 F316
5	Gasket	SS 304/316 Spiral Wound		
6	Bonnet	ASTM A 105	A182 F304	A182 F 316
7	Bonnet Bolt	A 193 Gr. B7	SS 304	SS 316
8	Gland Bolt	A 193 Gr. B7	SS 304	SS 316
9	Glant Nut	A 194-2H	SS 304	SS 316
10	Yoke Bush	Nl. Resist	Nl. Resist	Nl. Resist
11	Gland Packing	To Suit Service		
12	Gland Follower	AISI 410	SS 304	SS 316
13	Gland Flange	A 105	SS 304	SS 316
14	Hand Wheel		MCI	MCI
15	Hand Wheel Nut	A 194 2H	SS 304	SS 316



FORGED LIFT CHECK VALVE

P. NO.	Part Name	MATERIAL OF CONSTRUCTION		
		Forged CS	Forged SS 304	Forged SS 316
1	Body	A 105	A182 F304	A182 F316
2	Seat	11-13% Cr. SS	Integral	Integral
3	Plug	A 182 F6	SS 304	SS 316
4	Gasket	SS Spiral Wound		
5	Cover	A 105	A182 F304	A182 F316
6	Cover Bolt	A 193 Gr. B7	SS 304	SS 316



DIMENSIONS FOR FORGED GATE VALVE

Parameters	Class	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Face to Face (L)	800#	87	92	106	127	127	135
	1500#	92	106	127	135	135	-
	2500#	106	127	135	-	-	-
Port Dia. (ØP)	800#	9	12	17.5	22.5	29.5	35
	1500#	9	12	17.5	22.5	29.5	-
	2500#	9	12	17.5	-	-	-
Height (H) (Approx.)	800#	151	157	186	237	237	278
	1500#	157	186	237	278	278	-
	2500#	186	237	278	-	-	-
Weight (Kg) (Approx.)	800#	1.4	1.6	2.8	5.7	5.8	10.5
	1500#	1.8	3	6.3	6.5	11.5	-
	2500#	3.3	6.8	12.6	-	-	-

DIMENSIONS FOR FORGED GLOBE VALVE

Parameters	Class	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Face to Face (L)	800#	87	92	106	127	127	135
	1500#	92	106	127	135	135	-
	2500#	106	127	135	-	-	-
Port Dia. (ØP)	800#	9.5	12.7	17.5	23.8	28.6	29.5
	1500#	8	9	14	20	25	-
	2500#	7	12.5	15.5	-	-	-
Height (H) (Approx.)	800#	170	175	190	250	250	285
	1500#	175	190	250	250	255	-
	2500#	190	250	255	-	-	-
Weight (Kg) (Approx.)	800#	2	3	4	8	8	11
	1500#	3	4	8	8	11	-
	2500#	4.5	7.7	9	-	-	-

DIMENSIONS FOR FORGED LIFT CHECK VALVE

Parameters	Class	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Face to Face (L)	800#	87	92	106	127	127	135
	1500#	92	105	125	130	135	-
	2500#	105	125	130	-	-	-
Port Dia. (ØP)	800#	9.5	12.7	17.5	23.8	28.6	29.5
	1500#	8	9	14	20	25	-
	2500#	7	12.5	15.5	-	-	-
Height (H) (Approx.)	800#	55	65	70	105	105	115
	1500#	65	70	105	115	115	-
	2500#	70	90	110	-	-	-
Weight (Kg) (Approx.)	800#	2	3	4	6	6	8
	1500#	4	4	7	10	10	-
	2500#	4.5	5.3	9.7	-	-	-

Note : Weights and dimensions are for reference only.