



Technical Requirements

1. Design & manufacture as to: API 602
2. Face-to-face dimension standard as to: ASME B16.10
3. Flange dimension conforms as to: ASME B16.5
4. Testing & Inspection as to: API 598
5. Pressure-temperature conforms as to: ASME B16.34

Performance Standard		
Nominal Bore	1/2"~2"	NPS
Nominal Pressure	300	LB
Pressure test		
Shell Test	7.5	MPa
Seal Test	5.5	
Backseat test	5.5	
Air Test	0.6	
Working Temperature	-29°C ~ +425°C	
Suitable Medium	Water.Oil.Gas.Steam. etc	

1.	Nondestructive Testing		
1.1	Pressure Test	Mandatory	Yes
1.2	Chemical Composition Certification (PMI)	Mandatory	Yes
1.3	Penetrant Test	Mandatory	Yes
1.4	Magnetic Particle Test	Mandatory	Yes

17	Locking Nut	A194 2H	
16	Nameplate	SS304	
15	Handwheel	A47	
14	Stem Nuts	13Cr	
13	Nuts	A194 2H	
12	Packing Gland	ASTM A105	
11	Eye-Bolt	A193 B7	
10	Packing Bushing	13Cr	
9	Pin	13Cr	
8	Packing	Graphite	
7	Bolt	A193 B7	
6	Bonnet	ASTM A105	
5	Gasket Seal	SS304+Graphite	
4	Stem	A182 F6a	
3	Disc	13Cr	
2	Seat	13Cr+Stellite.6	
1	Body	ASTM A105	

Size		Bore	Outline			Flange Size						Weight
NPS	DN	Ød1	L	H	ØW	ØD	ØD1	ØD2	N-Ød	T	F	
1/2"	15	10	152	166	Ø100	Ø95	Ø86.7	Ø35	4-Ø16	13	2	3.5 Kg
3/4"	20	12.7	178	175	Ø100	Ø115	Ø82.6	Ø43	4-Ø19	14.5	2	4.9 Kg
1"	25	17.5	203	206	Ø125	Ø125	Ø88.9	Ø51	4-Ø19	16	2	7.2 Kg
1 1/4"	32	23	216	228	Ø160	Ø135	Ø98.4	Ø64	4-Ø19	17.5	2	12.8 Kg
1 1/2"	40	28	229	262	Ø160	Ø155	Ø114.3	Ø73	4-Ø22	19.5	2	14 Kg
2"	50	33	267	300	Ø180	Ø165	Ø127	Ø92	8-Ø19	21	2	17.6 Kg

No.	Name	Material	Remark
TAG NO.			
Design	Approve	Graphics	
Technics	Date	Describe	Globe Valve Forged Steel
Check		Model	NPS 1/2"~2" Class 300LB RF Trim:08#