



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 record as to:API 598
5. Pressure-temperature conforms as to: ASME B16.34
6. Weight 1":9.2KG 1 1/2":15.3KG

Performance Standard		
Nominal Bore	NPS	1"-1 1/2"
Nominal Pressure	Class	600
Pressure Test		
Shell Test	15.0	Mpa
Seal Test	11.0	
Backseat Test	11.0	
Air Test	0.6	
Working Temperature	-29°C ~ 425°C	
Suitable Medium	Water. Oil. Gas.	

No.	Test	Standard	Requirement
1.1	Hydro Static Test	API 598	Yes
1.2	Working Pressure Test	API 598	Yes
1.3	Chemical composition certification	Mandatory	Yes
1.4	Working pressure test up to 2393 PSI	Mandatory	Yes
1.5	Penetrant Test	All Welded Surface	Yes
1.6	Maximum Working pressure on 2393 PSI		Yes

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

No.	Name	Material	Remark
TAG NO.:			
SBM PTV			
Design		Approve	Graphics Genral View
Technics		Date	Describe Gate Valve
Check			Model NPS 1"~1 1/2" Class 600LB RF

Size		Bore	Outline			Flange Size					
In	DN	d	L	H	W	D	K	Ød	n-Øz	B	F
1"	25	18	216	193	125	125	88.9	51	4-Ø19	17.5	6.4
1 1/2"	40	28.5	241	246	160	155	114.3	73	4-Ø22	22.5	6.4