



### Technical Requirements

1. Design & manufacture as to:API 603
2. Face-to-face dimension standard as to:ASME B16.10
3. Flange dimension conforms as to:ASME B16.5  
Finish, Flange facing : RA=3.2-6.4 Micron
4. Testing & Inspection as to:API 598
5. Pressure-temperature conforms as to: ASME B16.34
6. Corrosion resistance standard conforms as to: NACE MR-01-75
7. Visual Examination conforms to: 100% MSS SP-55

### Performance Standard

Nominal Bore	NPS	1"~6"
Nominal Pressure	Class	150
<b>Pressure Test</b>		
Shell Test	3.0	Mpa
Seal Test	2.2	
Backseat Test	2.2	
Air Test	0.6	
Working Temperature	-29° C ~ 425° C	
Suitable Medium	Water. Oil. Gas. Steam. etc	

1.	Nondestructive Testing		
1.1	Pressure Test	API 598	Yes
1.2	Chemical Composition Certification (PMI)	Mandatory	Yes
1.3	Penetrant Test	Mandatory	Yes
1.4	Magnetic Particle Test		Yes

20	Adjusting Nut	1	A194 8M	
19	Gasket	1	13Cr	
18	Wheel	1	A47	
17	Stem Nut	1	BARSS	
16	Bonnet	1	A890 4A (2205)	
15	Nut	2	A194 8M	
14	Gland Flange	1	A890 4A (2205)	
13	Gland Bushing	1	A182 F51 (2205)	
12	Bolt	2	A193 B8M	
11	Packing		GRAPHITE	
10	Pin	2	A276 SS316	
9	Bolt		A193 B8M	
8	Gasket	1	SS31803+GRAPHITE	
7	Nut		A194 8M	
6	Back Seat	1	Duplex SS 2205	
5	Stem	1	A182 F51 (2205)	
4	Adjusting Nut	1	A182 F51 (2205)	
3	Seat	1	Duplex SS 2205	
2	Disc	1	A890 4A (2205)	
1	Body	1	A890 4A (2205)	

NPS	L	D	K	Ød	n-Øz	B	F
1"	127	110	79.4	51	4-Ø16	13	2
1 1/2"	165	125	98.4	73	4-Ø16	16	2
2"	203	150	120.7	92	4-Ø19	17.5	2
2 1/2"	216	180	139.7	105	4-Ø19	21	2
3"	241	190	152.4	127	4-Ø19	22.5	2
4"	292	230	190.5	157	8-Ø19	22.5	2
5"	356	255	215.9	186	8-Ø22	22.5	2
6"	406	280	241.3	216	8-Ø22	24	2

No.	NAME	Qty	material	remark
TAG NO. :				
<b>PTV</b> Solutions				
Design		Approve	Graphics	Genral View
Technics		Date	Describe	Globe Valve DUPLEX SS 2205
Check			Model	NPS 1"~6" Class 150LB RF