



Technical Requirements

1. Design & manufacture as to: API 600
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 as to: 100% MSS SP-55

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

Performance Standard		
Nominal Bore	NPS	1"~8"
Nominal Pressure	Class	150
Pressure Test		
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	

Size		Outline			Flange Size					
NPS	DN	L	H	W	D	K	Ød	n-Øz	B	F
1"	25	127	235	150	110	79.4	51	4-Ø16	13	2
1 1/2"	40	165	298	180	125	98.4	73	4-Ø16	16	2
2"	50	178	323	200	150	120.7	92	4-Ø19	17.5	2
2 1/2"	65	191	347	250	180	139.7	105	4-Ø19	21	2
3"	80	203	383	250	190	152.4	127	4-Ø19	22.5	2
4"	100	229	457	300	230	190.5	157	8-Ø19	22.5	2
5"	125	254	632	300	255	215.9	186	8-Ø22	22.5	2
6"	150	267	635	350	280	241.3	216	8-Ø22	24	2
8"	200	292	762	350	345	298.5	270	8-Ø22	27	2
21	Locking Nut				A194 8M					
20	Nameplate				SS304					
19	Handwheel				A47					
18	Locking Nut				A194 8M					
17	Sealant Injection				Brass					
16	Stem Nut				Brass					
15	Nut				A194 8M					
14	Packing Gland				A890 4A (2205)					
13	Packing Bushing				A182 F51 (2205)					
12	Eye-Bolt				A193 B8M					
11	Pin				A276 SS316					
10	Packing				Graphite					
9	Back Seat				Duplex SS 2205					
8	Bonnet				A890 4A (2205)					
7	Gasket Seal				SS316+Graphite					
6	Bolt				A193 B8M					
5	Nut				A194 8M					
4	Stem				A182 F51 (2205)					
3	Body				A890 4A (2205)					
2	Seat				Duplex SS 2205					
1	Wedge				A890 4A (2205)					

No.	Name	Material	Remark
TAG NO.:			
Design		Approve	Graphics Genral View
Technics		Date	Describe Gate Valve Rising Stem 2205
Check			Model NPS 1"~8" Class 150LB RF