



1.	Nondestructive Test		
11	Pressure Test	Mandatory	Yes
12	Chemical composition certification	Mandatory	Yes
13	Penetrant Test	Mandatory	Yes
14.	Magnetic particle Testing	Mandatory	Yes

NPS	L	ØD	ØD1	ØD2	T	f	N-Ød	Weight Kg	Max Working Torque(Nm)
1/2"	165	Ø95	Ø66.7	Ø35	14.5	7	4-Ø16	4.1	16
3/4"	190	Ø115	Ø82.6	Ø43	16	7	4-Ø19	6.1	20
1"	216	Ø125	Ø88.9	Ø51	17.5	7	4-Ø19	8	42
1 1/4"	229	Ø135	Ø98.4	Ø64	21	7	4-Ø19	12	60
1 1/2"	241	Ø155	Ø114.3	Ø73	22.5	7	4-Ø22	17.6	90
2"	292	Ø165	Ø127	Ø92	25.5	7	8-Ø19	25	130
2 1/2"	330	Ø190	Ø149.2	Ø105	29	7	8-Ø22	35	150
3"	356	Ø210	Ø168.3	Ø127	32	7	8-Ø22	55	200

\*Safety factor of 1.2-1.3 is recommended

Performance Standard	
Nominal Pressure	600LB
Shell Test Pressure	16.5 Mpa
Seal Test Pressure	12.1 Mpa
Airtight Test Pressure	0.6 Mpa
Suitable Temperature	-29°C ~ +200°C
Suitable Medium	Water, Oil, Gas, Steam, etc

Technical Requirements

- Design std. of the valve: API 6D
- Face-To-Face dimension standard: ASME B16.10
- Flange Dimension Conforms To: ASME B16.5 RF
- Inspection and testing: API 598
- Anti-static constructions
- Fire Safe Design Conforms To: API 607
- Anti-Blow Out Stem Construction
- Visual Examination conforms to: 100% MSS SP-55

14	Handle	SS201+PVC
13	Locking Nut	A194 2H
12	The limiting block	SS
11	Packing Gland	A182 F316
10	Stem	A182 F316
9	Packing	Flexible Graphite
8	Body	ASTM A105
7	Gasket	SS316+Graphite
6	Anti static spring	SS316
5	Ball	A182 F316
4	Seat	RPTFE
3	Nut	A194 2H
2	Bolt	A193 B7
1	Bonnet	ASTM A105
No.	Name	Material
DESIGN BY		
CHECKED BY	DRAWING NO	
STANDARD BY	REV	
APPROVED BY	Date	
THE USER CONFIRM		



Floating ball valve  
NPS 1/2"~3"  
CLASS 600LB RF  
A105/SS316/RPTFE