



Performance Standard	
Normal Pressure	600 LB
Shell Test Pressure	15.0MPa
Seal Test Pressure	11.0MPa
Airtight Test Pressure	0.6MPa
Suitable Temp.	-29℃~+150℃
Suitable medium	Water.Oil.Gas.Steam.

- Technical Requirements
- 1.Design std. of the valve:API 6D
 - 2.Face-To-Face dimension standard:ASME B16.10
 - 3.Flange dimension conforms To:ASME B16.5 RF
Flange finish: RA=3.2-6.4 MICRON
 - 4.Inspaction and testing:API 6D
 - 5.Anti-static constructions
 - 6.Fire safe design conforms to:API 607
 - 7.Valve as per NACE MR-01-75(2002) requirement

1.	Test		
1.1	Hydro Static Test	API 6D	Yes
1.2	Working Pressure Test	API 6D	Yes
1.3	Chemical composition certification	Mandatory	Yes
1.4	Working pressure test up to 2175 PSI	Mandatory	Yes
1.5	Penetrant Test	All Body Surface	Yes
1.6	Maximum Working pressure on 2175 PSI		Yes
1.7	Magnetic particle testing		

15	Thrust Washer	RPTFE
14	Bolt	A193 B7
13	Handle	Carbon Steel
12	The limiting block	ANSI 1025 +EZP
11	Stem	A182 F316
10	Packing Gland	A216 WCB
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

NPS	d	L	D	D1	D2	T	f	n-φd
1"	25	216	125	88.9	51	17.5	6.4	4-φ19
1 1/2"	40	241	155	114.3	73	22.5	6.4	4-φ22
2"	50	292	165	127	92	25.5	6.4	8-φ19

DESIGN BY		DRAWING NO	
CHECKED BY		REV	
STANDARD BY		Date	
APPROVED BY			
THE USER CONFIRM	SBM PTV		Assembly Floating ball valve NPS 1"~2" CLASS 600LB FB RF