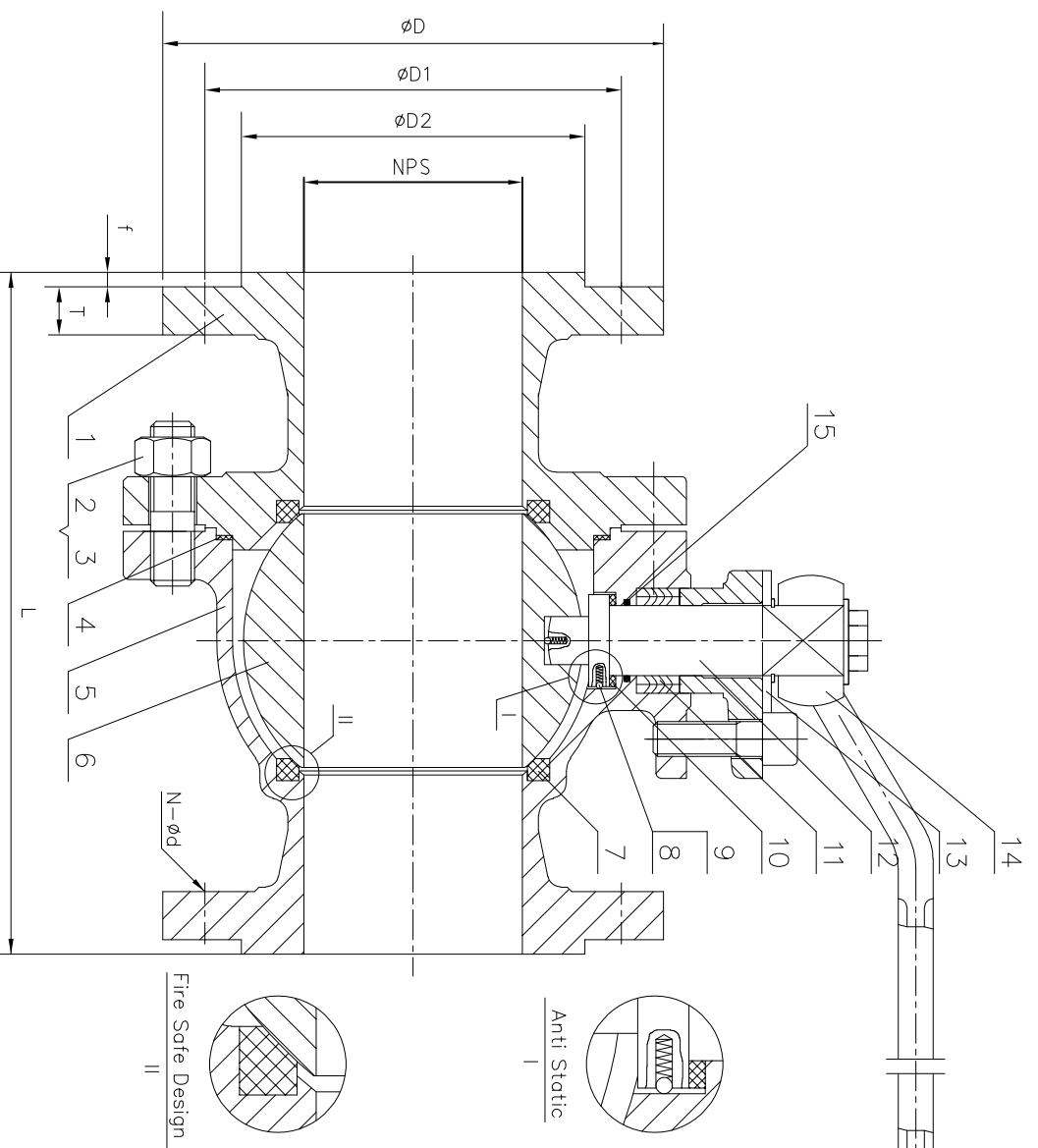


Performance Standard	
Normal Pressure	600LB
Shell Test Pressure	16.5 Mpa
Seal Test Pressure	12.1 Mpa
Airtight Test Pressure	0.6 Mpa
Suitable Temperature	-29°C ~ +200°C
Suitable Medium	Water,Oil,Gas,Steam, etc

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



NPS	L	ØD	ØD1	ØD2	T	f	N-Ød	Weight Kg	Max Working Torque(N*M)
1/2"	165	Ø95	Ø66.7	Ø35	14.5	7	4-Ø16	3.5	16
3/4"	190	Ø115	Ø82.6	Ø43	16	7	4-Ø19	5	20
1"	216	Ø125	Ø88.9	Ø51	17.5	7	4-Ø19	7.5	42
1 1/4"	229	Ø135	Ø98.4	Ø64	21	7	4-Ø19	11.6	60
1 1/2"	241	Ø155	Ø114.3	Ø73	22.5	7	4-Ø22	15	90
2"	292	Ø165	Ø127	Ø92	25.5	7	8-Ø19	20.8	130
2 1/2"	330	Ø190	Ø149.2	Ø105	29	7	8-Ø22	29.5	150
3"	356	Ø210	Ø168.3	Ø127	32	7	8-Ø22	41	200

\*Safety factor of 1.2-1.3 is recommended

14	Handle	SS		
13	Stopper	SS		
12	Stem	A182 F316		
11	Packing	Graphite		
10	Thrust ring	PTFE		
9	Anti Static Spring	A276 SS316		
8	Anti static Ball	A276 SS316		
7	Seat	RPTFE		
6	Ball	A182 F316		
5	Body	A351 CF8M		
4	Gasket	SS316+Graphite		
3	Bonnet Nut	A194 8M		
2	Bonnet Bolt	A193 B8M		
1	Bonnet	A351 CF8M		
No.	Name	Material	Remark	
DESIGN BY				
CHECKED BY				
STANDARD BY		REV		
APPROVED BY		Date		
DRAWING NO.				

**PTV**<sup>®</sup>  
Solutions

Floating ball valve  
NPS 1/2"~3"  
CLASS 600LB RF  
CF8M/SS316/RPTFE