

美标法兰球阀

ANSI/ASME
Flange Ball Valve

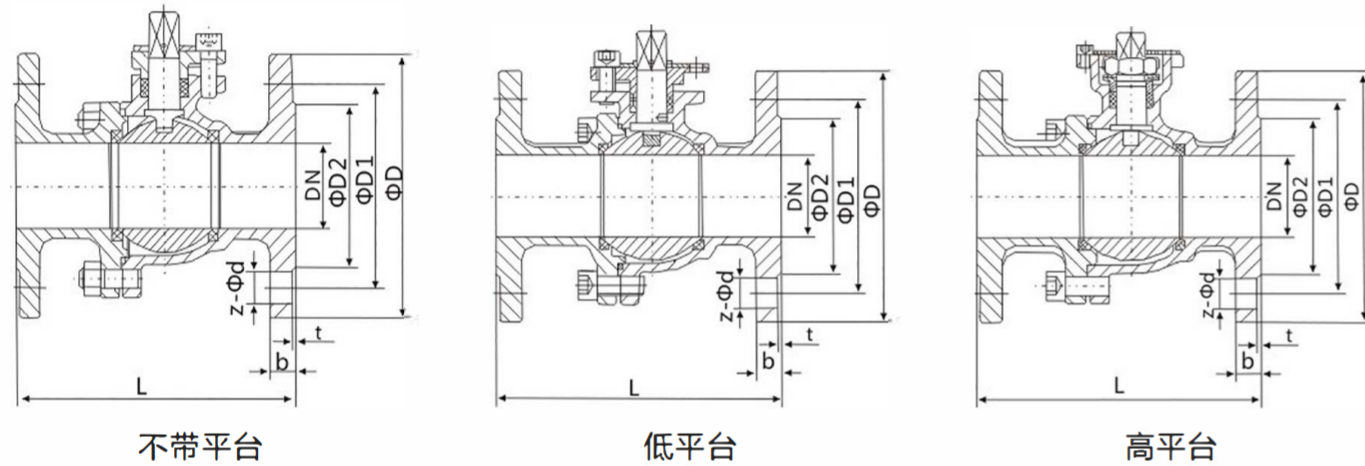
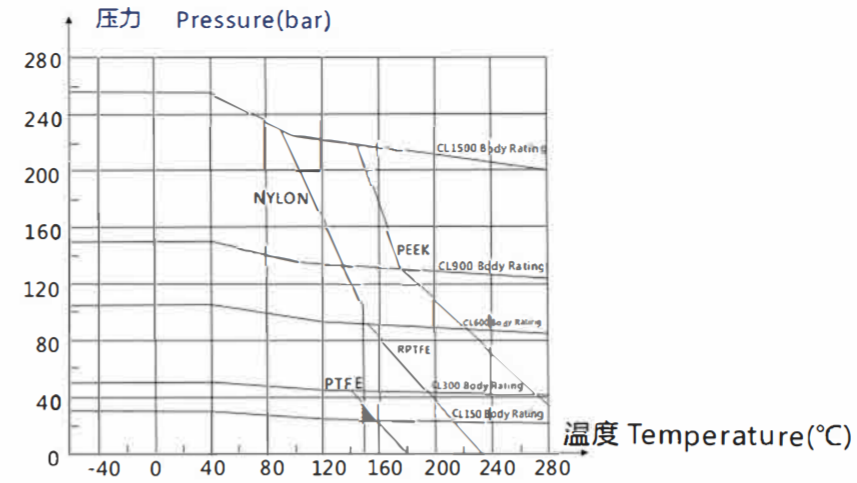
(WCB,CF8 , CF8M,Ti,Ni)



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设计标准

技术规范：美标
设计标准：API6D API608
结构长度：ASME B16.10
连接法兰：ASME B16.5
试验与检验：API6D API598

Design standards

Technical specifications：ASME/ANSI
Design and Manufacture：API6D API608
Structure length：ASME B16.10
Flanged end：ASME B16.5
Inspection and test：API6D API598

性能规范

公称压力：150,300,600LB
强度试验：PT3.0,7.5,15MPa
密封试验：2.2,5.5,11MPa
上密封试验：2.2,5.5,11MPa
气密封试验：0.6MPa

阀门主体材料：WCB(C),CF8(P),CF3(PL),
CF8M(R),CF3M(RL)

适用介质：水、蒸汽、油品、
硝酸类、醋酸类
适用温度：-29°C ~ 180°C

Specifications

Nominal pressure：150,300,600 LB
Strength test：PT3.0,7.5,15 MPa
Seal test：2.2,5.5,11 Mpa
Back seal test：2.2,5.5,11 MPa
Gas seal test：0.6MPa

Valve body material：WCB(C),CF8(P)CF3(PL),
CF8M(R),CF3M(RL)

Suitable medium：water,steam,oil products,
nitric acid,acetic acid
Suitable temperature：-29°C ~ 180°C

主要零件材料 Materials of main parts

材料名称Material name	碳钢Carbon steel	不锈钢Stainless steel	
阀体 Body	A216 WCB	A351 CF8	A351 CF8
阀盖 Bonnet	A216 WCB	A351 CF8	A351 CF8
球体 Ball	A276 304/A276 316		
阀杆 Stem	2Cr13/A276 304/A276 316		
阀座 Seat	PTFE, RPTFE		
填料 Gland Packing	PTFE/柔性石墨 PTFE/Flexible Graphite		
压盖 Gland	A216 WCB	A315 CF8	
螺栓 Bolt	A193-B7	A193-B8M	
螺母 Nut	A194-2H	A194-8	

主要外形尺寸和连接尺寸 Main dimensions and connection dimensions

美标 (ANSI) 150LB 单位：mm

公称直径 Nominal Diameter		L	D	D1	D2	b	t	z-φd
in	DN							
1/2"	15	108	90	60.3	34.9	11.5	1.6	4-φ16
3/4"	20	117	100	69.9	42.9	13	1.6	4-φ16
1"	25	127	110	79.4	50.8	14.5	1.6	4-φ16
1 1/4"	32	140	115	88.9	63.5	16	1.6	4-φ16
1 1/2"	40	165	125	98.4	73	17.5	1.6	4-φ16
2"	50	178	150	120.7	92.1	19.5	1.6	4-φ19
2 1/2"	65	190	180	139.7	104.8	22.5	1.6	4-φ19
3"	80	203	190	152.4	127	24	1.6	4-φ19
4"	100	229	230	190.5	157.2	24	1.6	8-φ19
5"	125	356	255	215.9	185.7	24	1.6	8-φ22
6"	150	394	280	241.3	215.9	25.5	1.6	8-φ22
8"	200	457	345	298.5	269.9	29	1.6	8-φ22
10"	250	533	405	362	323.8	30.5	1.6	12-φ25
12"	300	610	485	431.8	381	32	1.6	12-φ25
14"	350	686	535	476.3	412.8	35.0	1.6	12-φ29
16"	400	762	595	539.8	469.9	37	1.6	16-φ29

美标(ANSI)300LB 单位：mm

公称直径 Nominal Diameter		L	D	D1	t ₁	b	φ	z-φd
in	DN							
1/2"	15	140	95	66.7	34.9	14.5	1.6	4-φ16
3/4"	20	152	115	82.6	42.9	16	1.6	4-φ19
1"	25	165	125	88.9	50.8	17.5	1.6	4-φ19
1 1/4"	32	178	135	98.4	63.5	19.5	1.6	4-φ19
1 1/2"	40	190	155	114.3	73	21	1.6	4-φ22
2"	50	216	165	127	92.1	22.5	1.6	8-φ19
2 1/2"	65	241	190	149.2	104.8	25.5	1.6	8-φ22
3"	80	282	210	168.3	127	29	1.6	8-φ22
4"	100	305	255	200	157.2	32	1.6	8-φ22
5"	125	381	280	235	185.7	35	1.6	8-φ22
6"	150	403	320	269.9	215.9	37	1.6	12-φ22
8"	200	502	380	330.2	269.9	41.5	1.6	12-φ25
10"	250	568	445	387.4	323.8	48	1.6	16-φ29
12"	300	648	520	450.8	381	51.0	1.6	16-φ32
14"	350	762	585	514.4	412.8	54.0	1.6	20-φ32
16"	400	838	650	571.5	469.9	57.5	1.6	20-φ35

美标 (ANSI) 600LB 单位：mm

公称直径 Nominal Diameter		L	t ₁	D1	t ₂	φ	z-φd	z-φd
in	DN							
1/2"	15	165	95	66.7	34.9	21	6.4	4-φ16
3/4"	20	190	115	82.6	42.9	23	6.4	4-φ19
1"	25	216	125	88.9	50.8	24	6.4	4-φ19
1 1/4"	32	229	135	98.4	63.5	27.5	6.4	4-φ19
1 1/2"	40	241	155	114.3	73	29	6.4	4-φ22
2"	50	292	165	127	92.1	32	6.4	8-φ19
2 1/2"	65	330	190	149.2	104.8	35	6.4	8-φ22
3"	80	356	210	168.3	127	38.5	6.4	8-φ22
4"	100	432	275	215.9	157.2	45	6.4	8-φ25
5"	125	508	330	266.7	185.7	51.5	6.4	8-φ29
6"	150	559	355	292.1	215.9	54.5	6.4	12-φ29
8"	200	660	420	349.2	269.9	62	6.4	12-φ32
10"	250	787	510	431.8	323.8	70	6.4	16-φ35
12"	300	838	560	489	381	73.5	6.4	20-φ35
14"	350	889	605	527	412.8	76.5	6.4	20-φ39