

» SPECIAL MATERIAL
特材阀门系列



德标闸阀-904L
DIN Gate Valve



美标闸阀-2205
ANSI Gate Valve



国标球阀-TA2
GB Ball Valve



美标闸阀-C12
ANSI Gate Valve



德标闸阀-904L
DIN Gate Valve



德标闸阀-CN7M
DIN Gate Valve



美标闸阀-CF8C
ANSI Gate Valve



美标截止阀-C12
ANSI Globe Valve



美标闸阀-CF8C
ANSI Gate Valve



国标锻钢闸阀-F11
GB Forged Steel Gate Valve



美标锻钢截止阀-F11
ANSI Forged Steel Globe Valve



PT 检测
PT detection

CRYOGENIC VALVE
低温阀门系列



美标闸阀-超低温-196°C
ANSI Gate Valve



美标截止阀-超低温-196°C
ANSI Globe Valve



美标球阀-超低温-196°C
ANSI Ball Valve



美标截止阀-超低温-196°C
ANSI Globe Valve



德标闸阀-低温-46°C
DIN Gate Valve



美标闸阀-低温-59°C
ANSI Gate Valve



暗杆楔式闸阀
Non-rising Gate Valve



暗杆楔式闸阀
Non-rising Gate Valve



美标暗杆闸阀
ANSI Non-rising Gate Valve



美标暗杆闸阀
ANSI Non-rising Gate Valve



德标暗杆闸阀
DIN Non-rising Gate Valve



德标伞齿轮暗杆闸阀
DIN Gear Non-rising Gate Valve

NON-RISING GATE VALVE
暗杆闸阀系列



低温处理
low temperature treatment



产品细节
product details

» GATE VALVE 闸阀系列



美标闸阀
ANSI Gate Valve



德标闸阀
DIN Gate Valve



美标闸阀
ANSI Gate Valve



铸钢法兰闸阀
Cast Steel Flange Gate Valve



不锈钢法兰闸阀
SS Flanged Gate Valve



美标闸阀
ANSI Gate Valve



伞齿轮法兰闸阀
Bevel Gate Flange Gate Valve



伞齿轮法兰闸阀
Bevel Gate Flange Gate Valve



美标闸阀
ANSI Gate Valve



美标闸阀
ANSI Gate Valve



美标闸阀
ANSI Gate Valve



美标保温闸阀
ANSI Insulation Gate Valve



德标伞齿轮闸阀
DIN Bevel Gear Gate Valve



伞齿轮加长杆法兰闸阀
Bevel Extension Rod Flange Gate Valve

» GLOBE VALVE 截止阀系列



不锈钢法兰截止阀
SS Flanged Globe Valve



德标法兰截止阀
DIN Flanged Globe Valve



美标法兰截止阀
ANSI Flanged Globe Valve



美标铸钢法兰截止阀
ANSI Cast Steel Flanged Globe Valve



美标不锈钢截止阀
ANSI SS Globe Valve



角式截止阀
Angle Globe Valve



氧气截止阀
Oxygen Globe Valve



国标不锈钢截止阀
GB SS Globe Valve



氨用截止阀
Globe Valve For Ammonia



美标法兰截止阀
ANSI Flanged Globe Valve



美标法兰保温闸阀
ANSI Flange Jacketed Gate Valve



国标焊接截止阀
GB BW Globe Valve

» CHECK VALVE 止回阀系列



国标法兰止回阀
GB Flanged Check Valve



德标法兰止回阀
DIN Flanged Check Valve



美标法兰止回阀
ANSI Flanged Check Valve



美标法兰保温止回阀
ANSI Flange Jacketed Check Valve



国标升降式止回阀
GB Lift Check Valve



升降式止回阀
Lift Check Valve



国标法兰止回阀
GB Flange Check Valve



立式升降止回阀
Vertical Lift Check Valve



立式升降止回阀
Vertical Lift Check Valve



旋启式止回阀
Swing Check Valve



美标止回阀
ANSI Swing Check Valve



H71对夹式止回阀
Wafer Check Valve



H76对夹式止回阀
Wafer Check Valve

»» BALL VALVE 球阀系列



侧装式偏心半球阀
Side Entry Eccentric Half Ball Valve



碳钢蜗轮硬密封球阀
Carbon Steel Worm Gear HF Ball Valve



铸钢法兰球阀
GB Flange Ball Valve



蜗轮法兰固定式球阀
Turbine Flange Trunnion Half Ball Valve



蜗轮法兰球阀
Turbine Flange Half Ball Valve



上装式偏心半球阀
Top Entry Eccentric Half Ball Valve



缩径球阀
RB ball valve



高平台法兰球阀
High Platform Fixed Half Ball Valve



涡轮法兰球阀
Turbine flange ball valve



固定式法兰球阀
Trunnion Flange Ball Valve



美标球阀
ANSI Ball Valve



三通法兰球阀
Three-Way Flange Ball Valve



蜗轮法兰固定式球阀
Turbine Flange Trunnion Ball Valve



三片式法兰球阀
Three-piece Flange Ball Valve



旋球阀
Spin Ball Valve



美标球阀
ANSI ball valve



上装式三通球阀
Top-mounted Three-way Ball Valve



放料法兰球阀
Discharge Flange Ball Valve

» BUTTERFLY VALVE 蝶阀系列



涡轮法兰蝶阀
Turbine Flange Butterfly Valve



不锈钢涡轮法兰蝶阀
SS Turbine Flange Butterfly Valve



对夹蝶阀
Wafer Butterfly Valve



法兰蝶阀
Flanged Butterfly Valve



伸缩蝶阀
Telescopic Butterfly Valve



法兰蝶阀
Flanged Butterfly Valve



法兰蝶阀
Flanged Butterfly Valve



蜗轮法兰蝶阀
Worm Gear Flanged Butterfly Valve



蜗轮对夹蝶阀
Worm Gear Wafer Butterfly Valve



焊接蝶阀
Butt Welding Multi-level Butterfly Valve



铸钢蜗轮法兰蝶阀
Cast Steel Worm Gear Flange Butterfly Valve



铸钢Y型法兰过滤器
Cast Steel Flange Y Strainer



不锈钢Y型法兰过滤器
SS Flange Y Strainer



美标过滤器
GB/T DIN Flange Strainer



焊制Y型过滤器
Welded Y Strainer



高压过滤器
High Pressure Strainer



直通式自动排污过滤器
Straight-through Automatic Sewage Strainer



手摇刷式过滤器
Fluorine-lined Y-type Strainer



高低接管篮式过滤器
High And Low Takeover Basket Strainer



Y型拉杆伸缩过滤器
Y Type Rod Telescopic Strainer



直通平底蓝式过滤器
Straight-through Flat-bottom Blue Strainer



消气过滤器
Getter Strainer



承插焊球阀
Socket Welding Ball Valve

承插焊球阀
Socket Welding Ball Valve



法兰Y型过滤器
Flanged Y-strainer



承插焊闸阀
Socket Welding Gate Valve



加长杆闸阀
Extension Stem Gate Valve



Y型截止阀
Y Type Gate Valve



法兰球阀
Flange Ball Valve



法兰球阀
Flange Ball Valve



法兰闸阀
Flange Gate Valve



承插焊截止阀
Socket Welding Globe Valve



自密封闸阀
Self-Sealing Gate Valve



自密封截止阀
Self-Sealing Globe Valve



法兰闸阀
Flange Gate Valve



法兰闸阀
Flange Gate Valve



加长杆法兰闸阀
Extension Rod Flange Gate Valve



自密封止回阀
Self-Sealing Check Valve



承插焊止回阀
Socket Welding Check Valve



Y型止回阀
Y type Check Valve

美标闸阀

ANSI Gate Valve

1 闸阀系列
Gate valve series

1



◇设计

闸阀为提供最大的操作寿命和可靠性而设计和生产的，所有的闸阀都符合美国石油学会标准：AP1600&AP16D的要求，英标BS1414和BSEN1984的标准。与美国机械工程学会标准ASME16.34一致，阀门由完整的阀体、阀盖、内件组成。

◇Design

Gate valve are designed and manufactured to provide maximum service life and dependability. All gate valves are full ported and meet the design requirements of American petroleum Institute Standard Ap1600&AP16D. British Standard BS 1414&BS EN 1984 and generally conform to American Society of Mechanical Engineers Standard ASME B 16.34. Valves are available in a complete range of body/bonnet materials and trims.

◇材料范围

阀体/阀盖的材料包括碳含量的九个等级，低合金和不锈钢，在特殊的适用中，他们可用合金和不锈钢的其他等级。有许多内件供不同的环境下使用。填料和垫片的选择也为各种环境所具备。

◇Rang of Materials

Standard body/bonnet materials include nine grades of carbon, low alloy and stainless steels. For special aplications they can be supplied in other grades of alloy and stainless steel. There' s a full range of trim materials to match any service. Optional packing and gasket materials are available for a full range of service conditions.

◇阀门的商标可以按照客户的要求修改 Available Modifications For Trademark Cast Valves

*内件变化

*法兰连接改变

*填料和垫片改变

*操作装置

*手轮延展

*Trim changes

*End connection Modifications

*Packing and Gasket Changes

*Operator Mounting

*Handwheel Extensions

*压力调节

*旁通管

*客户特殊的铸造要求

*改变(法兰孔数)

*氧或氯气清洁和包装

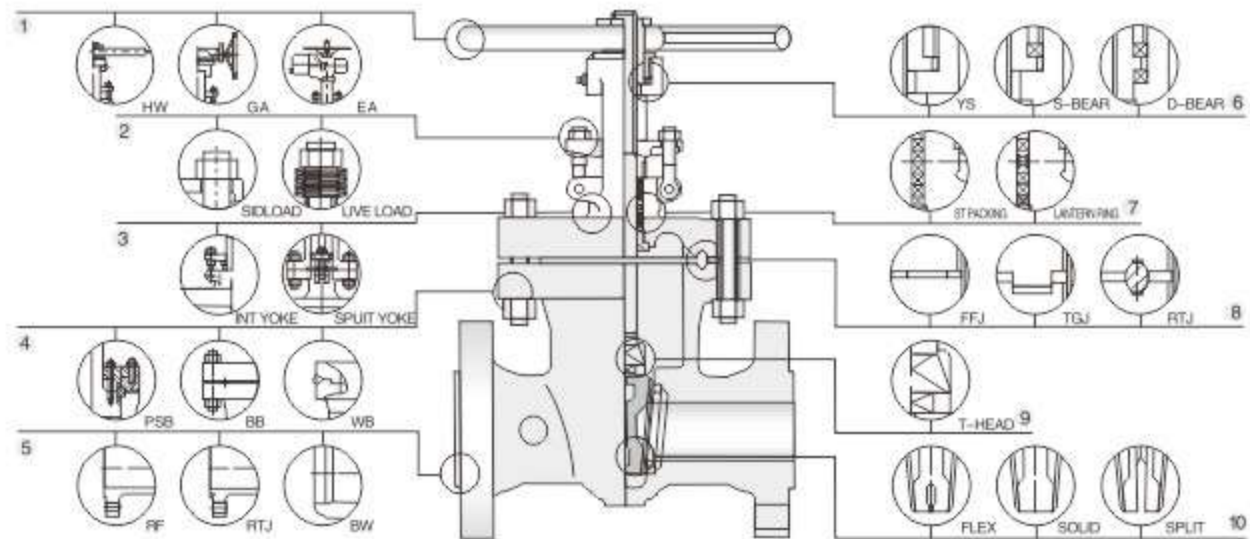
*Pressure Equalizing

*By-pass

*Customer specified Coatings

*Weld End Bore Changes

*Oxygen & Chlorine Cleaning & Packaging



1.操作Operating

大手轮使得更容易操作，同样也可以用齿轮或电动操作，气动、液动用于更艰难的环境。

Large hand wheels for easy operation. Also available with gearing, motor actuators, pneumatic or hydraulic actuators for more difficult services.

2.填料

Live Load Packing

填料在高温高压的变化的情况下，使用很频繁。填料调节环提供连续的填料压紧压力。在负荷期间可以通过增加填料来调节填料压紧的压力。

In services requiring frequent cycling or with high pressure/temperature variations, live loading extends the service life between maintenance periods by requiring less frequent packing gland adjustments. Belleville springs are employed to provide constant packing gland stress.

3.明杆支架OS & Y

外螺纹支架、铸钢闸阀支架在150Lb-8", 300Lb-8", 600Lb-8", 900Lb-4"以下的为整体铸造。

Outside Screw and Yoke. Cast steel gate valve yoke. Integral with bonnet for 150Lb-8", 300Lb-8", 600Lb-8", 900Lb-4" & small.

4.螺栓连接BB

螺栓阀盖、对焊接阀盖，压力自密封阀座在高温高压变化的情况下采用周期的检修服务。

Bolted bonnet. Welding bonnet and pressure seal bonnet in services requiring frequent cycling or with high pressure/temperature variations.

5.连接方式

End Connections

可采用法兰连接、环连接、对接焊管件

A choice of Flanged, RTJ flanged or Butt welding end for piping flexibility

6.支架套

Yoke Sleeve

加长的支架套和衬杆提供加长阀门尺寸大于150Lb-12", 300Lb-10", 600Lb-8", 900Lb/1500Lb/2500Lb-4"的采用滚动轴承支架

Extra long thread engagement between yoke sleeve and stem provide long thread life. Valves of sizes larger than 150Lb-12", 300Lb-10", 600Lb-8", 900Lb/1500Lb/2500Lb-4" are regularly provided with roll bearing yokes.

7.隔离环和双填料

Lantern Ring and Double Packing set

隔离环带密封连接和双填料做临界选择

Lantern ring with leak-off fitting connection and double packing stack is optionally available for critical services.

8.阀体-阀盖连接

Body-to-Bonnet joint

包边垫用于150磅的阀门，弹性垫片用于300磅到600磅的阀门，环连接用于900磅或更高的等级。A flat face gasket joints used in the 150Lb valves. A male and female joint is used in 300Lb to 600Lb valves. Ring joint is used in the body to bonnet connection in 900Lb & higher rated valves.

9.阀杆 Stem

全部的楔式闸阀以“T”型锻造衬杆形式。通过“T”型锻造。在阀杆上，阀板的连接是自身加固形式，这种设计也适用闸板自动调节，除去双闸板可能造成的干扰因素。

All wedge gate valves are provided with upset forged T-head stems. By forging the T-head, the stem at the stem-wedge connection is strengthened. This design also allows the wedge to self-align, eliminating the possibility of bent stem jamming the wedge.

10.闸板 Wedge

完整的操作表面确保闸板自身位于中间，弹性楔式闸板有单片、双片式闸板，它们的设计每个都是半弹性独立的，适用于实心闸板。双闸板和弹性闸板

Integral guide rib faces assure self-centering of wedge. Flexible wedge gate valve has a one-piece, twin-disc wedge, which is designed so that each half flexes independently. Available in solid, flex split and His designs.

1、概述

我公司生产的美标闸阀，完全按照美国标准设计制造，结构美观、先进，阀门的启闭件是闸板，闸板的运动方向与流体方向相垂直，闸阀只能作全开和全关，不能作调节和节流，闸板有两个密封面，楔形角为2° 52'。楔形闸板的闸板可以做成一个整体，叫做刚性闸板；也可以做成能产生微量变形的闸板，以改善其工艺性，弥补密封面角度在加工过程中产生的偏差，这种闸板叫做弹性闸板。

2、性能参数 Performance parameter

序号NO.	项目名称 Project name	项目名称 Project name					
		150(Lb)	300(Lb)	600(Lb)	900(Lb)	1500(Lb)	2500(Lb)
1	公称压力PN (MPa)	2.0	5.0	10.0	15.0	25.0	45.0
2	壳体强度试验压力 Case Test pressure (MPa)	3.0	7.5	15.0	22.5	37.5	67.5
3	高压密封试验压力 High-pressure sealing Test pressure (MPa)	2.2	5.5	11.0	16.5	27.5	49.5
4	常温下工作压力Maximum teperature Working pressure (MPa)	<2.0	<5.2	<10.4	<15.6	<25.8	<45.8

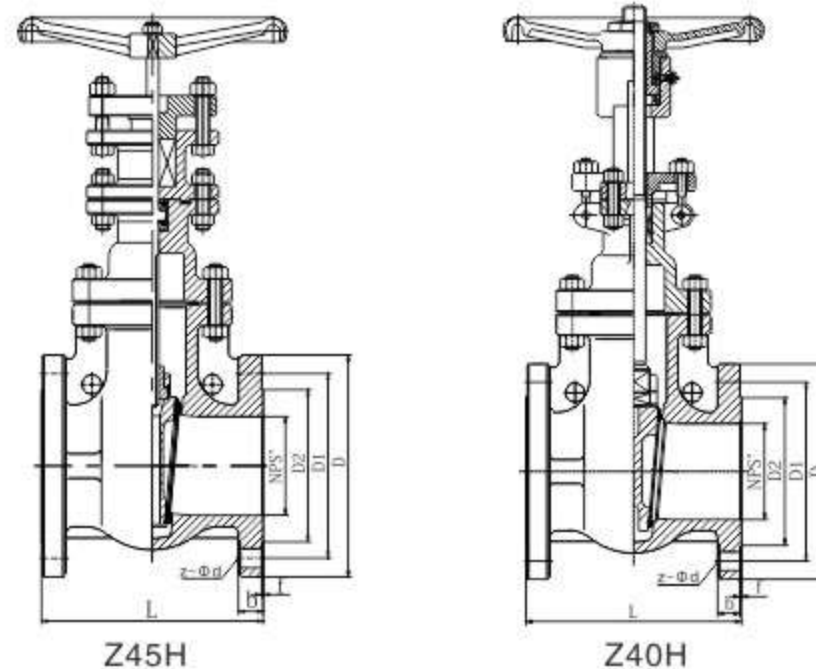
3、产品规范Product specification

设计标准 Design	结构长度 Structure Length	法兰连接尺寸 Connection flange	试验与检验 Test and Inspection	压力与温度基准 Pressure and temperature reference
API 600	ASME B16.10	ASME B16.5	API 598	ASME B16.34

◇主要零件材料Main components material

零件名称Part Name	材料名称 Material name					
阀体Body	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀盖Valve cover	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
闸板Valve plate	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
密封面Sealing face	2Cr13	STL	本体/STL	本体/STL	本体/STL	本体/STL
阀杆Stem	A182 F6a	A182 F11	A182 F304	A182 F316	A182 F304L	A182 F316L
垫片 Gasket	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨
螺栓 Bolt	A193 B7	A193 B7	A193 B8	A193 B8M	A193 B8M	A193 B8M
螺母 Nut	A194 2H	A194 6	A194 8	A194 8M	A194 8M	A194 8M
使用温度 Applicable temperature	-29-425℃	-29-540℃	-46-425℃	-46-425℃	-46-425℃	-46-425℃
适用介质 Suitable medium	水、蒸汽、油品等	水、蒸汽等	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质

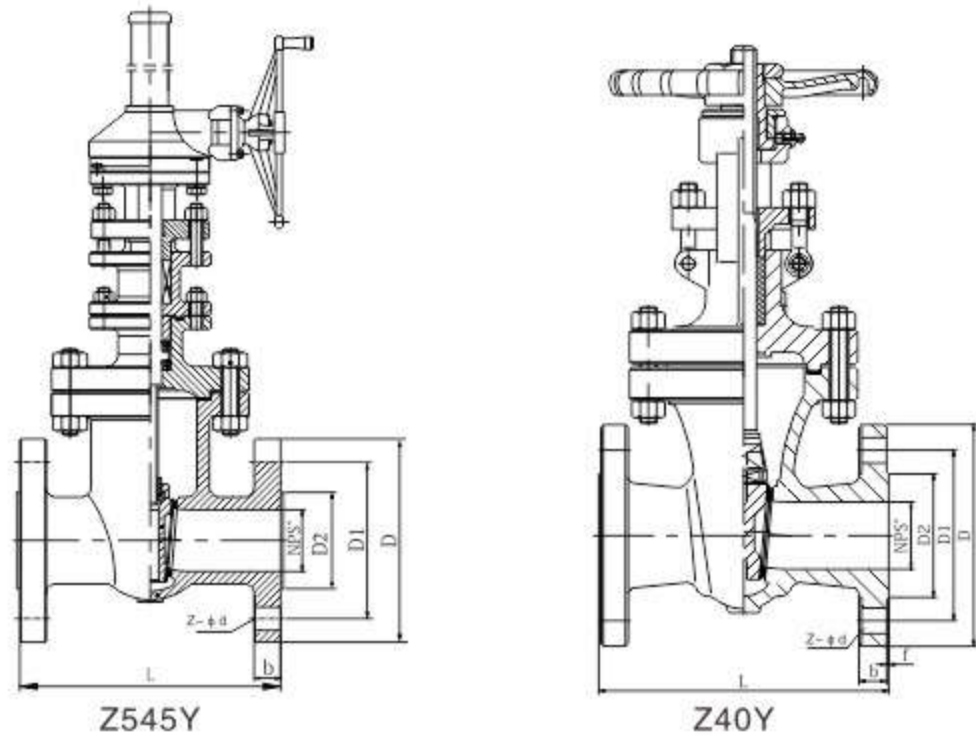
Z40^{0 H}_{1 W}^{5 Y}型150LB 美标明杆/暗杆闸阀American standard open rod/dark rod gate valve



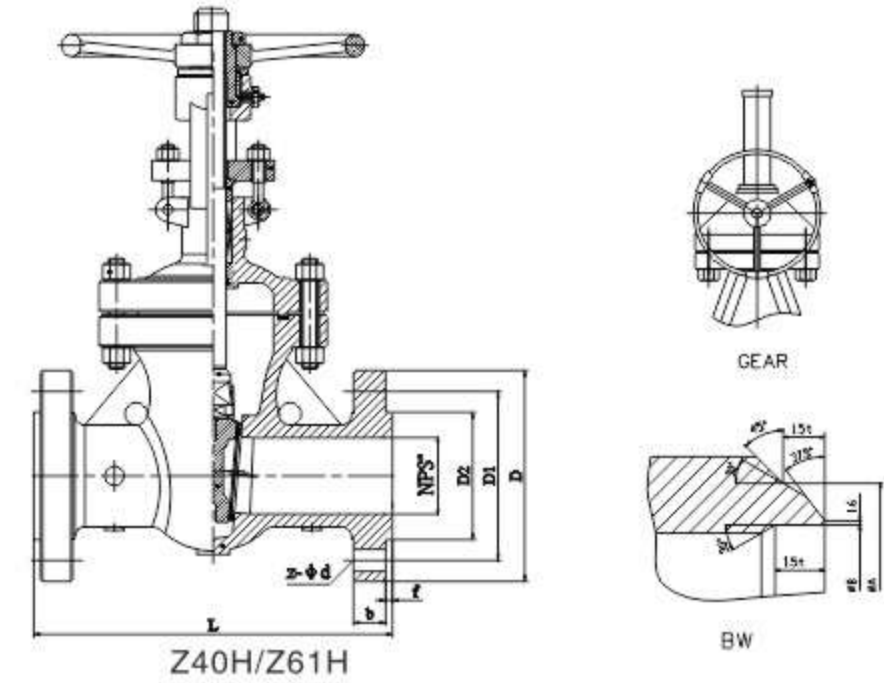
美标 150LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	108	90	60.3	34.9	10	2	4-φ16
3/4"	117	100	69.9	42.9	11.9	2	4-φ16
1"	127	110	79.4	50.8	12.6	2	4-φ16
1-1/4"	140	115	88.9	63.5	13.2	2	4-φ16
1-1/2"	165	125	98.4	73	14.7	2	4-φ16
2"	178	150	120.7	92.1	16.3	2	4-φ19
2-1/2"	190	180	139.7	104.8	17.9	2	4-φ19
3"	203	190	152.4	127	19.5	2	4-φ19
4"	229	230	190.5	157.2	24.3	2	8-φ19
5"	254	255	215.9	185.7	24.3	2	8-φ22
6"	267	280	241.3	215.9	25.9	2	8-φ22
8"	292	345	298.5	269.9	29	2	8-φ22
10"	330	405	362	323.8	30.6	2	12-φ25
12"	356	485	431.8	381	32.2	2	12-φ25
14"	381	535	476.3	412.8	35.4	2	12-φ29
16"	406	595	539.8	469.9	37	2	16-φ29
18"	432	635	577.9	533.4	40.1	2	16-φ32
20"	457	700	635	584.2	43.2	2	20-φ32
24"	508	815	749.3	692.2	48.1	2	20-φ35

Z40^{0 H}_{1 W}^{5 Y}型300LB 美标明杆/暗杆闸阀 American standard open rod/dark rod gate valve



Z40^{0 H}_{1 W}^{5 Y}型600LB 美标明杆/暗杆闸阀 American standard open rod/dark rod gate valve



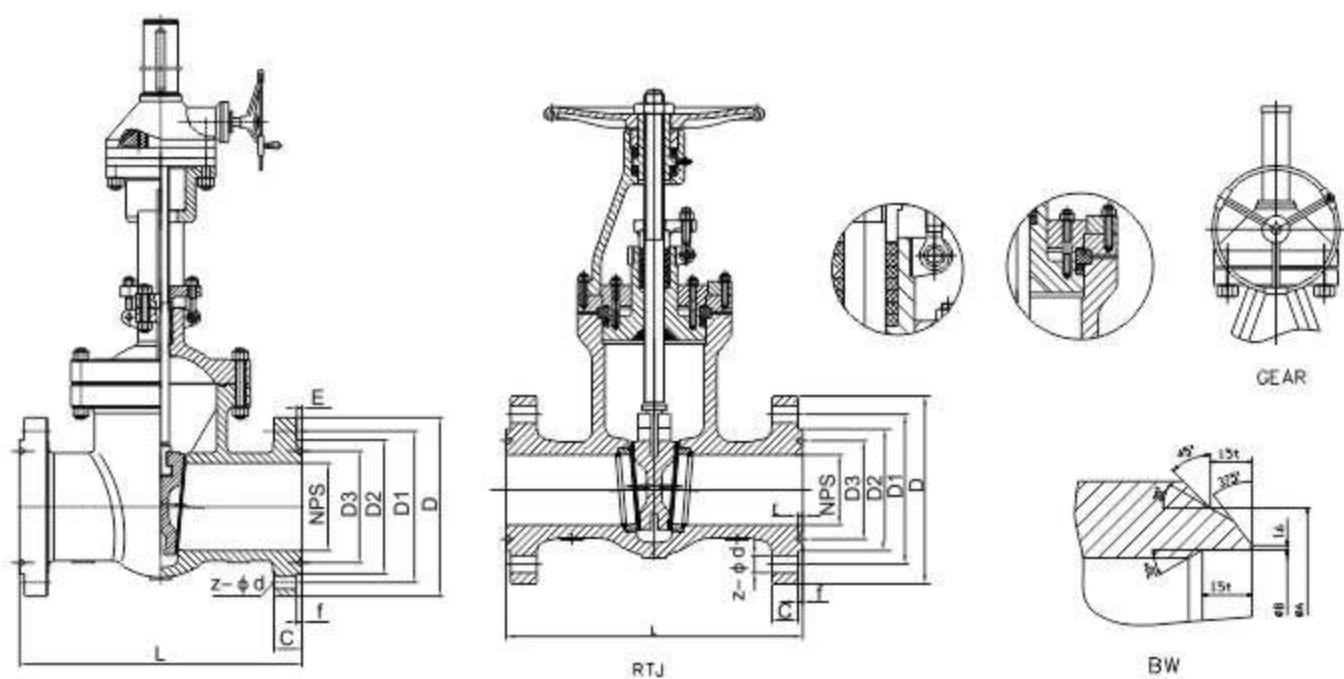
美标 300LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	140	95	66.7	34.9	14.7	2	4-φ16
3/4"	152	115	82.6	42.9	16.3	2	4-φ19
1"	165	125	88.9	50.8	17.9	2	4-φ19
1-1/4"	178	135	98.4	63.5	19.5	2	4-φ19
1-1/2"	190	155	114.3	73	21.1	2	4-φ22
2"	216	165	127	92.1	22.7	2	8-φ19
2-1/2"	241	190	149.2	104.8	25.9	2	8-φ22
3"	282	210	168.3	127	29	2	8-φ22
4"	305	255	200	157.2	32.2	2	8-φ22
5"	381	280	235	185.7	35.4	2	8-φ22
6"	403	320	269.9	215.9	37	2	12-φ22
8"	419	380	330.2	269.9	41.7	2	12-φ25
10"	457	445	387.4	323.8	48.1	2	16-φ29
12"	502	520	450.8	381	51.3	2	16-φ32
14"	762	585	514.4	412.8	54.4	2	20-φ32
16"	838	650	571.5	469.9	57.6	2	20-φ35
18"	914	710	628.6	533.4	60.8	2	24-φ35
20"	991	775	685.8	584.2	64	2	24-φ35
24"	1143	915	812.8	692.2	70.3	2	24-φ42

美标 600LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	165	95	66.7	34.9	21.3	7	4-φ16
3/4"	190	115	82.6	42.9	22.9	7	4-φ19
1"	216	125	88.9	50.8	24.5	7	4-φ19
1-1/4"	229	135	98.4	63.5	27.7	7	4-φ19
1-1/2"	241	155	114.3	73	29.3	7	4-φ22
2"	292	165	127	92.1	32.4	7	8-φ19
2-1/2"	330	190	149.2	104.8	35.6	7	8-φ22
3"	356	210	168.3	127	38.8	7	8-φ22
4"	432	275	215.9	157.2	45.1	7	8-φ25
5"	508	330	266.7	185.7	51.5	7	8-φ29
6"	559	355	292.1	215.9	54.7	7	12-φ29
8"	660	420	349.2	269.9	62.6	7	12-φ32
10"	787	510	431.8	323.8	70.5	7	16-φ35
12"	838	560	489	381	73.7	7	20-φ35
14"	889	605	527	412.8	76.9	7	20-φ38
16"	991	685	603.2	469.9	83.2	7	20-φ41
18"	1092	745	654	533.4	89.6	7	20-φ44
20"	1194	815	723.9	584.2	95.9	7	24-φ44
24"	1397	940	838.2	692.2	108.6	7	24-φ52

Z40 1 W型600-2500LB 美标明杆/暗杆闸阀 American standard open rod/dark rod gate valve



美标 600LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
1/2"	165	95	66.7	50.5	34.14	5.54	19.84	7.14	4-φ16
3/4"	190	115	82.6	63.5	42.88	6.35	22.25	8.74	4-φ19
1"	216	125	88.9	69.5	50.8	6.35	23.85	8.74	4-φ19
1-1/4"	229	135	98.4	79	60.33	6.35	27.05	8.74	4-φ19
1-1/2"	241	155	114.3	90.5	68.27	6.35	28.65	8.74	4-φ22
2"	295	165	127	108	82.55	7.92	33.32	11.91	8-φ19
2-1/2"	333	190	149.2	127	101.6	7.92	36.52	11.91	8-φ22
3"	359	210	168.3	146	123.83	7.92	39.72	11.91	8-φ22
4"	435	275	215.9	175	149.23	7.92	46.02	11.91	8-φ25
5"	511	330	266.7	210	180.98	7.92	52.42	11.91	8-φ29
6"	562	355	292.1	241	211.12	7.92	55.62	11.91	12-φ29
8"	663	420	349.2	302	269.88	7.92	63.52	11.91	12-φ32
10"	790	510	431.8	356	323.85	7.92	71.42	11.91	16-φ35
12"	841	560	489	413	381	7.92	74.62	11.91	20-φ35
14"	892	605	527	457	419.1	7.92	77.82	11.91	20-φ38
16"	994	685	603.2	508	469.9	7.92	84.12	11.91	20-φ41
18"	1095	745	654	575	533.4	7.92	90.52	11.91	20-φ44
20"	1197	815	723.9	635	584.2	9.53	98.43	13.49	24-φ44
24"	1400	940	838.2	749	692.15	11.13	112.73	16.66	24-φ52

美标 900LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	368	215	165.1	124	95.25	7.92	46.02	11.91	8-φ26
2-1/2"	419	245	190.5	137	107.95	7.92	49.22	11.91	8-φ29
3"	381	240	190.5	156	123.83	7.92	46.02	11.91	8-φ26
4"	457	290	235	181	149.23	7.92	52.42	11.91	8-φ32
5"	559	350	279.4	216	180.98	7.92	58.72	11.91	8-φ35
6"	610	380	317.5	241	211.12	7.92	63.52	11.91	12-φ32
8"	737	470	393.7	308	269.88	7.92	71.42	11.91	12-φ39
10"	838	545	469.9	362	323.85	7.92	77.82	11.91	16-φ39
12"	965	610	533.4	419	381	7.92	87.32	11.91	20-φ39
14"	1029	640	558.8	467	419.1	11.13	96.93	16.66	20-φ42
16"	1130	705	616	524	469.9	11.13	100.03	16.66	20-φ45
18"	1219	785	685.8	594	533.4	12.7	114.3	19.84	20-φ51
20"	1321	855	749.3	648	584.2	12.7	120.7	19.84	20-φ55
24"	1549	1040	901.7	772	692.15	15.88	155.58	26.97	20-φ67

美标 1500LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	368	215	165.1	124	95.25	7.92	46.02	11.91	8-φ26
2-1/2"	419	245	190.5	137	107.95	7.92	49.22	11.91	8-φ29
3"	470	265	203.2	168	136.53	7.92	55.62	11.91	8-φ32
4"	546	310	241.3	194	16.93	7.92	61.92	11.91	8-φ35
5"	673	375	292.1	229	193.68	7.92	81.02	11.91	8-φ42
6"	705	395	317.5	248	211.14	9.53	92.13	13.49	12-φ39
8"	832	485	393.7	318	269.88	11.13	103.23	16.66	12-φ45
10"	991	585	482.6	371	323.85	11.13	119.13	16.66	12-φ51
12"	1130	675	571.5	438	381	14.27	138.17	23.01	16-φ55
14"	1257	750	635	489	419.1	15.88	149.28	26.97	16-φ60
16"	1384	825	704.8	546	469.9	17.48	163.58	30.18	16-φ67
18"	1537	915	774.7	613	533.4	17.48	179.48	30.18	16-φ73
20"	1664	985	831.8	673	584.2	17.48	195.28	33.32	16-φ79
24"	1943	1170	990.6	794	692.15	20.62	223.82	36.52	16-φ93

美标 2500LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	451	235	171.4	133	101.6	7.92	58.82	11.91	8-φ29
2-1/2"	508	265	196.8	149	111.13	9.53	66.73	13.49	8-φ32
3"	578	305	228.6	168	127	9.53	76.23	13.49	8-φ35
4"	673	355	273	203	157.18	11.13	87.33	16.66	8-φ42
5"	794	420	323.8	241	190.5	12.7	104.8	19.84	8-φ48
6"	914	485	368.3	279	228.6	12.7	120.7	19.84	8-φ55
8"	1022	550	438.2	340	279.4	14.27	141.27	23.01	12-φ55
10"	1270	675	539.8	425	342.9	17.48	182.58	30.18	12-φ67
12"	1422	760	619.1	495	406.4	17.48	201.68	33.32	12-φ73

2

截止阀系列 Globe valve series



美标截止阀 ANSI/ASME Globe Valve

1、概述

我公司生产的美标截止阀，完全按照美国标准设计制造，结构美观、先进。阀门的启闭件是阀瓣，流向为低进高出，截止阀全开和全关阀杆来操作阀门，锥形的阀瓣可以很好的起到节流作用，不能起调节作用。主要用于石油、化工、制药、化肥、电力行业等各种工况的管路上，切断或接通管路介质。驱动方式有手动、齿轮传动、电动、气动等。

2、性能参数 Performance parameter

序号NO.	项目名称 Project name	项目名称 Project name					
		150(Lb)	300(Lb)	600(Lb)	900(Lb)	1500(Lb)	2500(Lb)
1	公称压力PN (MPa)	2.0	5.0	10.0	15.0	25.0	45.0
2	壳体强度试验压力 Case Test pressure (MPa)	3.0	7.5	15.0	22.5	37.5	67.5
3	高压密封试验压力 High-pressure sealing Test pressure (MPa)	2.2	5.5	11.0	16.5	27.5	49.5
4	常温下工作压力Maximum temperature Working pressure (MPa)	<2.0	<5.2	<10.4	<15.6	<25.8	<45.8

3、产品规范Product specification

设计标准 Design	结构长度 Structure Length	法兰连接尺寸 Connection flange	试验与检验 Test and inspection	压力与温度基准 ASME B16.34
API 600	ASME B16.10	ASME B16.5	API 598	ASME B16.34

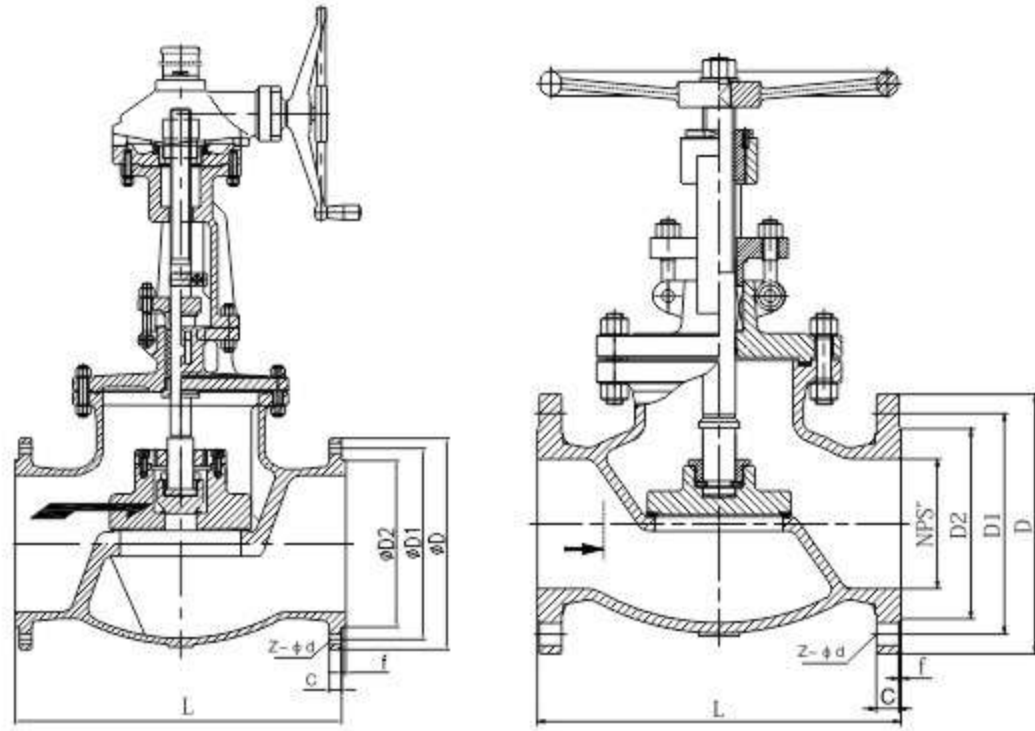
◇主要零件材料Main components material

零件名称Part Name	材料名称 Material name					
阀体Body	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀盖Valve cover	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀板Valve plate	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
密封面Sealing face	2Cr13	STL	本体/STL	本体/STL	本体/STL	本体/STL
阀杆Stem	A182 F6a	A182 F11	A182 F304	A182 F316	A182 F304L	A182 F316L
垫片 Gasket	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨
螺栓 Bolt	A193 B7	A193 B7	A193 B8	A193 B8M	A193 B8M	A193 B8M
螺母 Nut	A194 2H	A194 6	A194 8	A194 8M	A194 8M	A194 8M
使用温度 Applicable temperature	-29-425℃	-29-540℃	-46-425℃	-46-425℃	-46-425℃	-46-425℃
适用介质 Suitable medium	水、蒸汽、油品等	水、蒸汽等	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质

美标截止阀
ANSI/ASME Globe Valve

美标截止阀
ANSI/ASME Globe Valve

J₆^H₁W-150~600LB 美标截止阀 American standard stop valve



美标 300LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	152	95	66.7	34.9	14.7	2	4-φ16
3/4"	178	115	82.6	42.9	16.3	2	4-φ19
1"	203	125	88.9	50.8	17.9	2	4-φ19
1-1/4"	216	135	98.4	63.5	19.5	2	4-φ19
1-1/2"	229	155	114.3	73	21.1	2	4-φ22
2"	267	165	127	92.1	22.7	2	8-φ19
2-1/2"	292	190	149.2	104.8	25.9	2	8-φ22
3"	318	210	168.3	127	29	2	8-φ22
4"	356	255	200	157.2	32.2	2	8-φ22
5"	400	280	235	185.7	35.4	2	8-φ22
6"	444	320	269.9	215.9	37	2	12-φ22
8"	559	380	330.2	269.9	41.7	2	12-φ25
10"	622	445	387.4	323.8	48.1	2	16-φ29
12"	711	520	450.8	381	51.3	2	16-φ32
14"	838	585	514.4	412.8	54.4	2	20-φ32
16"	864	650	571.5	469.9	57.6	2	20-φ35
18"	978	710	628.6	533.4	60.8	2	24-φ35
20"	1016	775	685.8	584.2	64	2	24-φ35
24"	1346	915	812.8	692.2	70.3	2	24-φ42

美标 150LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	108	90	60.3	34.9	10	2	4-φ16
3/4"	117	100	69.9	42.9	11.9	2	4-φ16
1"	127	110	79.4	50.8	12.6	2	4-φ16
1-1/4"	140	115	88.9	63.5	13.2	2	4-φ16
1-1/2"	165	125	98.4	73	14.7	2	4-φ16
2"	203	150	120.7	92.1	16.3	2	4-φ19
2-1/2"	216	180	139.7	104.8	17.9	2	4-φ19
3"	241	190	152.4	127	19.5	2	4-φ19
4"	292	230	190.5	157.2	24.3	2	8-φ19
5"	356	255	215.9	185.7	24.3	2	8-φ22
6"	406	280	241.3	215.9	25.9	2	8-φ22
8"	495	345	298.5	269.9	29	2	8-φ22
10"	622	405	362	323.8	30.6	2	12-φ25
12"	698	485	431.8	381	32.2	2	12-φ25
14"	787	535	476.3	412.8	35.4	2	12-φ29
16"	914	595	539.8	469.9	37	2	16-φ29
18"	978	635	577.9	533.4	40.1	2	16-φ32
20"	978	700	635	584.2	43.2	2	20-φ32
24"	1295	815	749.3	692.2	1297	2	20-φ35

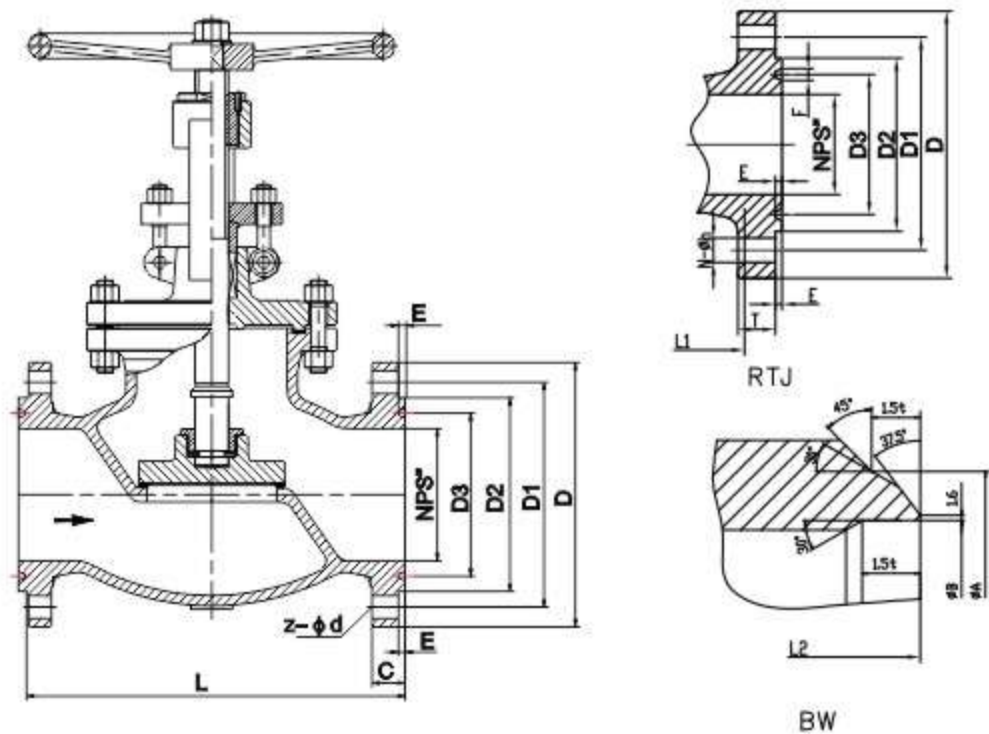
美标 600LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	165	95	66.7	34.9	21.3	7	4-φ16
3/4"	190	115	82.6	42.9	22.9	7	4-φ19
1"	216	125	88.9	50.8	24.5	7	4-φ19
1-1/4"	229	135	98.4	63.5	27.7	7	4-φ19
1-1/2"	241	155	114.3	73	29.3	7	4-φ22
2"	292	165	127	92.1	32.4	7	8-φ19
2-1/2"	330	190	149.2	104.8	35.6	7	8-φ22
3"	356	210	168.3	127	38.8	7	8-φ22
4"	432	275	215.9	157.2	45.1	7	8-φ25
5"	508	330	266.7	185.7	51.5	7	8-φ29
6"	559	355	292.1	215.9	54.7	7	12-φ29
8"	660	420	349.2	269.9	62.6	7	12-φ32
10"	787	510	431.8	323.8	70.5	7	16-φ35
12"	838	560	489	381	73.7	7	20-φ35
14"	889	605	527	412.8	76.9	7	20-φ38
16"	991	685	603.2	469.9	83.2	7	20-φ41
18"	1092	745	654	533.4	89.6	7	20-φ44
20"	1194	815	723.9	584.2	95.9	7	24-φ44
24"	1397	940	838.2	692.2	108.6	7	24-φ52

美标截止阀
ANSI/ASME Globe Valve

美标截止阀
ANSI/ASME Globe Valve

J₆^H₁^W_Y-600~2500LB 美标截止阀 American standard stop valve



美标 600LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
1/2"	165	95	66.7	50.5	34.14	5.54	19.83	7.14	4-φ16
3/4"	190	115	82.6	63.5	42.88	6.35	22.25	8.74	4-φ19
1"	216	125	88.9	69.5	50.8	6.35	23.85	8.74	4-φ19
1-1/4"	229	135	98.4	79	60.33	6.35	27.05	8.74	4-φ19
1-1/2"	241	155	114.3	90.5	68.27	6.35	28.65	8.74	4-φ22
2"	292	165	127	108	82.55	7.92	33.32	11.91	8-φ19
2-1/2"	330	190	149.2	127	101.6	7.92	36.54	11.91	8-φ22
3"	356	210	168.3	146	123.83	7.92	39.72	11.91	8-φ22
4"	432	275	215.9	175	149.23	7.92	46.02	11.91	8-φ25
5"	508	330	266.7	210	180.98	7.92	52.42	11.91	8-φ29
6"	559	355	292.1	241	211.12	7.92	55.62	11.91	12-φ29
8"	660	420	349.2	302	269.88	7.92	63.52	11.91	12-φ32
10"	787	510	431.8	356	323.85	7.92	71.42	11.91	16-φ35
12"	838	560	489	413	381	7.92	74.62	11.91	20-φ35
14"	889	605	527	457	419.1	7.92	77.82	11.91	20-φ38
16"	991	685	603.2	508	469.9	7.92	84.12	11.91	20-φ41
18"	1092	745	654	575	533.4	7.92	90.52	11.91	20-φ44
20"	1194	815	723.9	635	584.2	9.53	98.43	13.49	24-φ44
24"	1397	940	838.2	749	692.15	11.13	112.73	16.66	24-φ52

美标 900LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	368	215	165.1	124	95.25	7.92	46.02	11.91	8-φ26
2-1/2"	419	245	190.5	137	107.95	7.92	49.22	11.91	8-φ29
3"	381	240	190.5	156	123.83	7.92	46.02	11.91	8-φ26
4"	457	290	235	181	149.23	7.92	52.42	11.91	8-φ32
5"	559	350	279.4	216	180.98	7.92	58.72	11.91	8-φ35
6"	610	380	317.5	241	211.12	7.92	63.52	11.91	12-φ32
8"	737	470	393.7	308	269.88	7.92	71.42	11.91	12-φ39
10"	838	545	469.9	362	323.85	7.92	77.82	11.91	16-φ39
12"	965	610	533.4	419	381	7.92	87.32	11.91	20-φ39
14"	1029	640	558.8	467	419.1	11.13	96.93	16.66	20-φ42
16"	1130	705	616	524	469.9	11.13	100.03	16.66	20-φ45
18"	1219	785	685.8	594	533.4	12.7	114.3	19.84	20-φ51
20"	1321	855	749.3	648	584.2	12.7	120.7	19.84	20-φ55
24"	1549	1040	901.7	772	692.15	15.88	155.58	26.97	20-φ67

美标 1500LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	368	215	165.1	124	95.25	7.92	46.02	11.91	8-φ26
2-1/2"	419	245	190.5	137	107.95	7.92	49.22	11.91	8-φ29
3"	470	265	203.2	168	136.53	7.92	55.62	11.91	8-φ32
4"	546	310	241.3	194	16.93	7.92	61.92	11.91	8-φ35
5"	673	375	292.1	229	193.68	7.92	81.02	11.91	8-φ42
6"	705	395	317.5	248	211.14	9.53	92.13	13.49	12-φ39
8"	832	485	393.7	318	269.88	11.13	103.23	16.66	12-φ45
10"	991	585	482.6	371	323.85	11.13	119.13	16.66	12-φ51
12"	1130	675	571.5	438	381	14.27	138.17	23.01	16-φ55
14"	1257	750	635	489	419.1	15.88	149.28	26.97	16-φ60
16"	1384	825	704.8	546	469.9	17.48	163.58	30.18	16-φ67
18"	1537	915	774.7	613	533.4	17.48	179.48	30.18	16-φ73
20"	1664	985	831.8	673	584.2	17.48	195.28	33.32	16-φ79
24"	1943	1170	990.6	794	692.15	20.62	223.82	36.52	16-φ93

美标 2500LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	451	235	171.4	133	101.6	7.92	58.82	11.91	8-φ29
2-1/2"	508	265	196.8	149	111.13	9.53	66.73	13.49	8-φ32
3"	578	305	228.6	168	127	9.53	76.23	13.49	8-φ35
4"	673	355	273	203	157.18	11.13	87.33	16.66	8-φ42
5"	794	420	323.8	241	190.5	12.7	104.8	19.84	8-φ48
6"	914	485	368.3	279	228.6	12.7	120.7	19.84	8-φ55
8"	1022	550	438.2	340	279.4	14.27	141.27	23.01	12-φ55
10"	1270	675	539.8	425	342.9	17.48	182.58	30.18	12-φ67
12"	1422	760	619.1	495	406.4	17.48	201.68	33.32	12-φ73

1、概述

我公司生产的美标止回阀，完全按照美国标准设计制造，结构美观、先进。美标止回阀是指依靠介质本身流动而自动、闭阀瓣，用来防止介质倒流的阀门，又称逆止阀、单向阀、逆流阀。止回阀属于一种自动阀门，其主要作用是防止介质倒流、防止泵及驱动电动机反转，以及容器介质的泄放。

2、性能参数 Performance parameter

序号NO.	项目名称 Project name	项目名称 Project name					
		150(Lb)	300(Lb)	600(Lb)	900(Lb)	1500(Lb)	2500(Lb)
1	公称压力PN (MPa)	2.0	5.0	10.0	15.0	25.0	45.0
2	壳体强度试验压力 Case Test pressure (MPa)	3.0	7.5	15.0	22.5	37.5	67.5
3	高压密封试验压力 High-pressure sealing Test pressure (MPa)	2.2	5.5	11.0	16.5	27.5	49.5
4	常温下工作压力Maximum teperature Working pressure (MPa)	<2.0	<5.2	<10.4	<15.6	<25.8	<45.8

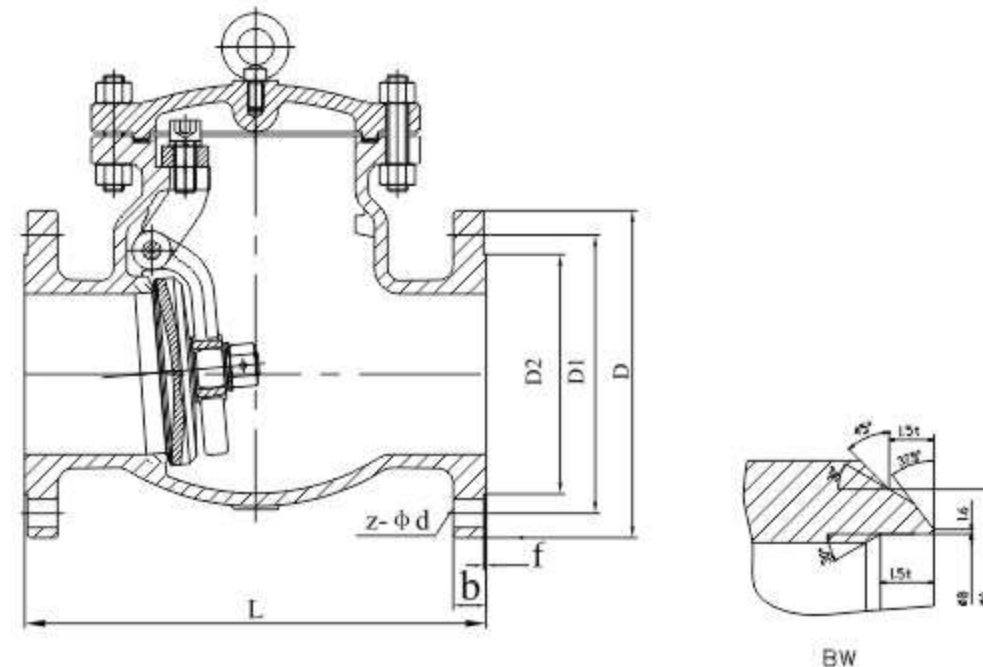
3、产品规范Product specification

设计标准 Design	结构长度 Structure Length	法兰连接尺寸 Connection flange	试验与检验 Test and Inspection	压力与温度基准 ASME B16.34
API 600	ASME B16.10	ASME B16.5	API 598	ASME B16.34

◇主要零件材料Main components material

零件名称Part Name	材料名称 Material name					
阀体Body	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀盖Valve cover	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀板valve plate	A216 WCB	A217 WC6	A351 C18	A351 CF8M	A351 CF3	A351 CF3M
密封面sealing face	2Cr13	STL	本体/STL	本体/STL	本体/STL	本体/STL
阀轴	A182 F6a	A182 F11	A182 F304	A182 F316	A182 F304L	A182 F316L
垫片	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨
螺栓	A193 B7	A193 B7	A193 B8	A193 B8M	A193 B8M	A193 B8M
螺母	A194 2H	A194 6	A194 8	A194 8M	A194 8M	A194 8M
使用温度	-29~425℃	-29~540℃	-46~425℃	-46~425℃	-46~425℃	-46~425℃
适用介质	水、蒸汽、油品等	水、蒸汽等	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质	硝酸类弱腐蚀介质

H₆₄⁴¹_Y-150~600LB 美标旋启式止回阀American standard swing check valve



美标 150LB--RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	108	90	60.3	34.9	10	2	4-φ16
3/4"	117	100	69.9	42.9	11.9	2	4-φ16
1"	127	110	79.4	50.8	12.6	2	4-φ16
1-1/4"	140	115	88.9	63.5	13.2	2	4-φ16
1-1/2"	165	125	98.4	73	14.7	2	4-φ16
2"	203	150	120.7	92.1	16.3	2	4-φ19
2-1/2"	216	180	139.7	104.8	17.9	2	4-φ19
3"	241	190	152.4	127	19.5	2	4-φ19
4"	292	230	190.5	157.2	24.3	2	8-φ19
5"	330	255	215.9	185.7	24.3	2	8-φ22
6"	356	280	241.3	215.9	25.9	2	8-φ22
8"	495	345	298.5	269.9	29	2	8-φ22
10"	622	405	362	323.8	30.6	2	12-φ25
12"	698	485	431.8	381	32.2	2	12-φ25
14"	787	535	476.3	412.8	35.4	2	12-φ29
16"	864	595	539.8	469.9	37	2	16-φ29
18"	978	635	577.9	533.4	40.1	2	16-φ32
20"	978	700	635	584.2	43.2	2	20-φ32
24"	1295	815	749.3	692.2	1297	2	20-φ35

美标旋启式止回阀
American standard swing check valve

美标旋启式止回阀
American standard swing check valve

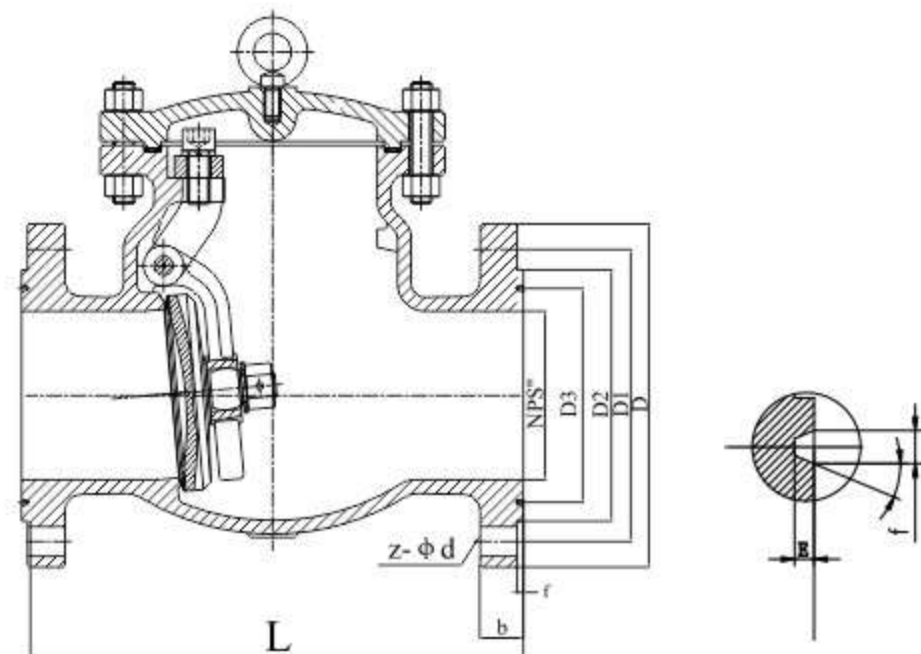
美标 300LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	152	95	66.7	34.9	14.7	2	4-φ16
3/4"	178	115	82.6	42.9	16.3	2	4-φ19
1"	203	125	88.9	50.8	17.9	2	4-φ19
1-1/4"	216	135	98.4	63.5	19.5	2	4-φ19
1-1/2"	229	155	114.3	73	21.1	2	4-φ22
2"	267	165	127	92.1	22.7	2	8-φ19
2-1/2"	292	190	149.2	104.8	25.9	2	8-φ22
3"	318	210	168.3	127	29	2	8-φ22
4"	356	255	200	157.2	32.2	2	8-φ22
5"	400	280	235	185.7	35.4	2	8-φ22
6"	444	320	269.9	215.9	37	2	12-φ22
8"	559	380	330.2	269.9	41.7	2	12-φ25
10"	622	445	387.4	323.8	48.1	2	16-φ29
12"	711	520	450.8	381	51.3	2	16-φ32
14"	838	585	514.4	412.8	54.4	2	20-φ32
16"	864	650	571.5	469.9	57.6	2	20-φ35
18"	978	710	628.6	533.4	60.8	2	24-φ35
20"	1016	775	685.8	584.2	64	2	24-φ35
24"	1346	915	812.8	692.2	70.3	2	24-φ42

美标 600LB-RF

NPS	L	D	D1	D2	C	f	Z-φd
1/2"	165	95	66.7	34.9	21.3	7	4-φ16
3/4"	190	115	82.6	42.9	22.9	7	4-φ19
1"	216	125	88.9	50.8	24.5	7	4-φ19
1-1/4"	229	135	98.4	63.5	27.7	7	4-φ19
1-1/2"	241	155	114.3	73	29.3	7	4-φ22
2"	292	165	127	92.1	32.4	7	8-φ19
2-1/2"	330	190	149.2	104.8	35.6	7	8-φ22
3"	356	210	168.3	127	38.8	7	8-φ22
4"	432	275	215.9	157.2	45.1	7	8-φ25
5"	508	330	266.7	185.7	51.5	7	8-φ29
6"	559	355	292.1	215.9	54.7	7	12-φ29
8"	660	420	349.2	269.9	62.6	7	12-φ32
10"	787	510	431.8	323.8	70.5	7	16-φ35
12"	838	560	489	381	73.7	7	20-φ35
14"	889	605	527	412.8	76.9	7	20-φ38
16"	991	685	603.2	469.9	83.2	7	20-φ41
18"	1092	745	654	533.4	89.6	7	20-φ44
20"	1194	815	723.9	584.2	95.9	7	24-φ44
24"	1397	940	838.2	692.2	108.6	7	24-φ52

H₆₄⁴¹W_Y-600~2500LB 美标旋启式止回阀 American standard swing check valve



美标 600LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
1/2"	165	95	66.7	50.5	34.14	5.54	19.83	7.14	4-φ16
3/4"	190	115	82.6	63.5	42.88	6.35	22.25	8.74	4-φ19
1"	216	125	88.9	69.5	50.8	6.35	23.85	8.74	4-φ19
1-1/4"	229	135	98.4	79	60.33	6.35	27.05	8.74	4-φ19
1-1/2"	241	155	114.3	90.5	68.27	6.35	28.65	8.74	4-φ22
2"	295	165	127	108	82.55	7.92	33.32	11.91	8-φ19
2-1/2"	333	190	149.2	127	101.6	7.92	36.54	11.91	8-φ22
3"	359	210	168.3	146	123.83	7.92	39.72	11.91	8-φ22
4"	435	275	215.9	175	149.23	7.92	46.02	11.91	8-φ25
5"	511	330	266.7	210	180.98	7.92	52.42	11.91	8-φ29
6"	562	355	292.1	241	211.12	7.92	55.62	11.91	12-φ29
8"	663	420	349.2	302	269.88	7.92	63.52	11.91	12-φ32
10"	790	510	431.8	356	323.85	7.92	71.42	11.91	16-φ35
12"	841	560	489	413	381	7.92	74.62	11.91	20-φ35
14"	892	605	527	457	419.1	7.92	77.82	11.91	20-φ38
16"	994	685	603.2	508	469.9	7.92	84.12	11.91	20-φ41
18"	1095	745	654	575	533.4	7.92	90.52	11.91	20-φ44
20"	1197	815	723.9	635	584.2	9.53	98.43	13.49	24-φ44
24"	1400	940	838.2	749	692.15	11.13	112.73	16.66	24-φ52

美标旋启式止回阀

American standard swing check valve

德标旋启式止回阀

German standard swing check valve

美标 900LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	368	215	165.1	124	95.25	7.92	46.02	11.91	8-φ26
2-1/2"	419	245	190.5	137	107.95	7.92	49.22	11.91	8-φ29
3"	381	240	190.5	156	123.83	7.92	46.02	11.91	8-φ26
4"	457	290	235	181	149.23	7.92	52.42	11.91	8-φ32
5"	559	350	279.4	216	180.98	7.92	58.72	11.91	8-φ35
6"	610	380	317.5	241	211.12	7.92	63.52	11.91	12-φ32
8"	737	470	393.7	308	269.88	7.92	71.42	11.91	12-φ39
10"	838	545	469.9	362	323.85	7.92	77.82	11.91	16-φ39
12"	965	610	533.4	419	381	7.92	87.32	11.91	20-φ39
14"	1029	640	558.8	467	419.1	11.13	96.93	16.66	20-φ42
16"	1130	705	616	524	469.9	11.13	100.03	16.66	20-φ45
18"	1219	785	685.8	594	533.4	12.7	114.3	19.84	20-φ51
20"	1321	855	749.3	648	584.2	12.7	120.7	19.84	20-φ55
24"	1549	1040	901.7	772	692.15	15.88	155.58	26.97	20-φ67

美标 1500LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	368	215	165.1	124	95.25	7.92	46.02	11.91	8-φ26
2-1/2"	419	245	190.5	137	107.95	7.92	49.22	11.91	8-φ29
3"	470	265	203.2	168	136.53	7.92	55.62	11.91	8-φ32
4"	546	310	241.3	194	16.93	7.92	61.92	11.91	8-φ35
5"	673	375	292.1	229	193.68	7.92	81.02	11.91	8-φ42
6"	705	395	317.5	248	211.14	9.53	92.13	13.49	12-φ39
8"	832	485	393.7	318	269.88	11.13	103.23	16.66	12-φ45
10"	991	585	482.6	371	323.85	11.13	119.13	16.66	12-φ51
12"	1130	675	571.5	438	381	14.27	138.17	23.01	16-φ55
14"	1257	750	635	489	419.1	15.88	149.28	26.97	16-φ60
16"	1384	825	704.8	546	469.9	17.48	163.58	30.18	16-φ67
18"	1537	915	774.7	613	533.4	17.48	179.48	30.18	16-φ73
20"	1664	985	831.8	673	584.2	17.48	195.28	33.32	16-φ79
24"	1943	1170	990.6	794	692.15	20.62	223.82	36.52	16-φ93

美标 2500LB-RTJ

NPS	L	D	D1	D2	D3	E	C	f	Z-φd
2"	451	235	171.4	133	101.6	7.92	58.82	11.91	8-φ29
2-1/2"	508	265	196.8	149	111.13	9.53	66.73	13.49	8-φ32
3"	578	305	228.6	168	127	9.53	76.23	13.49	8-φ35
4"	673	355	273	203	157.18	11.13	87.33	16.66	8-φ42
5"	794	420	323.8	241	190.5	12.7	104.8	19.84	8-φ48
6"	914	485	368.3	279	228.6	12.7	120.7	19.84	8-φ55
8"	1022	550	438.2	340	279.4	14.27	141.27	23.01	12-φ55
10"	1270	675	539.8	425	342.9	17.48	182.58	30.18	12-φ67
12"	1422	760	619.1	495	406.4	17.48	201.68	33.32	12-φ73

1、概述

我公司生产的德标止回阀，完全按照德国标准设计制造，结构美观、先进。德标止回阀是指依靠介质本身流动而自动、闭阀瓣，用来防止介质倒流的阀门，又称逆止阀、单向阀、逆流阀。止回阀属于一种自动阀门，其主要作用是防止介质倒流、防止泵及驱动电动机反转，以及容器介质的泄放。

2、性能参数 Performance parameter

序号NO.	项目名称 Project name	项目名称 Project name					
		150(Lb)	300(Lb)	600(Lb)	900(Lb)	1500(Lb)	2500(Lb)
1	公称压力PN (MPa)	2.0	5.0	10.0	15.0	25.0	45.0
2	壳体强度试验压力 Case Test pressure (MPa)	3.0	7.5	15.0	22.5	37.5	67.5
3	高压密封试验压力 High-pressure sealing Test pressure (MPa)	2.2	5.5	11.0	16.5	27.5	49.5
4	常温下工作压力Maximum temperature Working pressure (MPa)	<2.0	<5.2	<10.4	<15.6	<25.8	<45.8

3、产品规范Product specification

设计标准 Design	结构长度 Structure Length	法兰连接尺寸 Connection flange	试验与检验 Test and Inspection	压力与温度基准 ASME B16.34
API 600	ASME B16.10	ASME B16.5	API 598	ASME B16.34

◇主要零件材料Main components material

零件名称Part Name	材料名称 Material name					
阀体Body	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀盖Valve cover	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
阀板valve plate	A216 WCB	A217 WC6	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
密封面sealing face	2Cr13	STL	本体/STL	本体/STL	本体/STL	本体/STL
阀轴	A182 F6a	A182 F11	A182 F304	A182 F316	A182 F304L	A182 F316L
垫片	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨	304+柔性石墨
螺栓	A193 B7	A193 B7	A193 B8	A193 B8M	A193 B8M	A193 B8M
螺母	A194 2H	A194 6	A194 8	A194 8M	A194 8M	A194 8M
使用温度	-29-425℃	-29-540℃	-46-425℃	-46-425℃	-46-425℃	-46-425℃
适用介质	水、蒸汽、油品等	水、蒸汽等	硝酸类弱腐蚀性介质	硝酸类弱腐蚀性介质	硝酸类弱腐蚀性介质	硝酸类弱腐蚀性介质

4 球阀系列

Ball valve series



Q47F型固定式球阀

Q47F Fixed ball valve

◇结构特点及用途

Structural characteristics and uses

1、操作省力：球体由上下轴承支撑，减少摩擦，消除了由于进口压力推动球体与密封座形成的巨大密封负荷而造成过大的扭矩。

1、 Operation: ball bearings supported by the up and down, to reduce friction, eliminate the pressure as imports to promote the formation of the sphere and the great seal sealed seat load caused by excessive torque.

2、密封性能可靠（见图1）：PTFE弹性材料密封圈嵌于不锈钢阀座内，金属阀座尾端设有弹簧，保证密封圈足够的预紧力，阀门在使用过程中密封面摩擦损坏时，在弹簧作用下阀门继续保证良好密封性能。

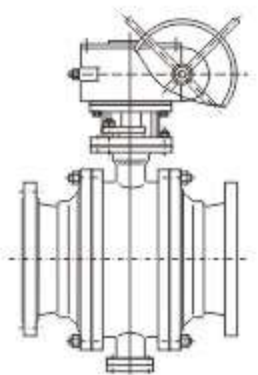
2、 Sealing performance and reliable (see Figure 1): PTFE elastic material embedded in stainless steel valve seat ring, the metal spring seat no end, to ensure adequate preload ring, valve sealing surface in the course of friction loss When the valve under the action of the spring to ensure good sealing performance.

3、防火结构（见图2）：为防止由于骤热或火灾的出现，使聚四氟乙烯密封圈烧毁，发生较大泄漏，而助长火势，在球体与阀座间设置防火密封环，在密封圈烧毁时，在弹簧力作用下，将阀座密封环迅速推向球体上，形成金属与金属密封，起到一定程度的密封效果。耐火试验符合API 6FA和API 607标准要求。

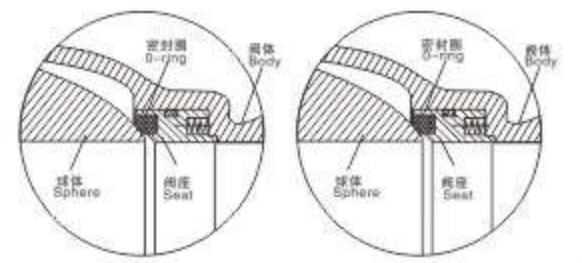
3、 Fire structure (see Figure 2): In order to prevent the sudden appearance of heat or fire to burn PTFE seals, large leak occurred, and contribute to the fire, the fire ball and set the seal ring between the valve seat, in the ring when burned, under the action of the spring force will quickly push the ball valve seat seal ring, the formation of metal to metal seal, play a certain degree of sealing effect. The fireproof experiment conforms to API 6FA and the API 607 standard requests.

4、自动泄压功能（见图3）：当阀门中腔停滞的介质压力异常升高超过弹簧的预紧力时，阀座后退脱离球体，达到自动泄压的效果，卸压后阀座自动复位。

4、 Automatic pressure relief function (see Figure 3): When the valve is in a stagnant medium pressure in the cavity increased over the spring preload, the seat back from the ball, to the effect of automatic pressure relief, pressure relief valve seat after automatically reset.

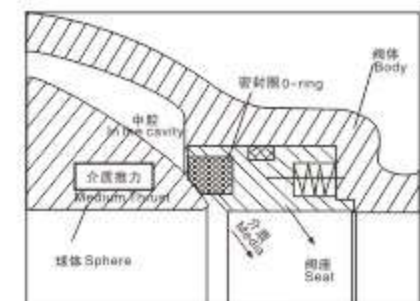


图一Figure 1



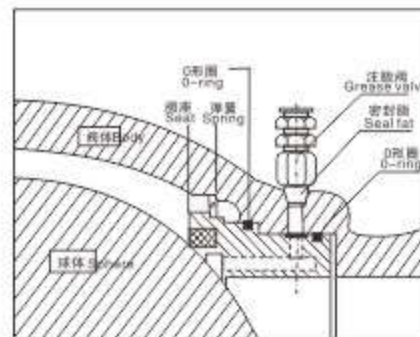
平常时的密封 Usual seals when
软密封烧毁时的密封 Burning of soft seal when the seal

图二Figure 2



自动卸压功能
Automatic pressure relief feature

图三Figure 3



图四Figure 4

Q47F型固定式球阀

Q47F Fixed ball valve

Q47F型固定式球阀

Q47F Fixed ball valve

5、排泄管路：阀体上下均设置排泄孔，可检查阀座是否发生泄漏，在工作中，阀门处于全开或全关时，卸掉中腔压力，可直接更换填料；可以排放中腔滞留物，减少介质对阀门的污染。

辅助密封设置系统（客户需要请在订购时说明）

5、Discharge tube: the upper and lower body were set to vent, to check whether the leak valve seat, at work, the valve is fully open or fully closed, the removal of the pressure in the cavity can directly replace the packing; to emissions cavity left in reducing pollution of medium on the valve.

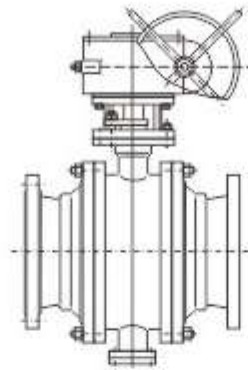
Auxiliary sealing set the system (customer needs when ordering please specify)

6、见图4：本阀门设计有辅助的阀座紧急密封系统，一旦密封受损或出现紧急情况而不能密封时，通过辅助密封系统向密封面注射相应的密封剂即可修复密封面，达到紧急密封。当输送的介质不洁或含有少量颗粒时，为保护密封面，确保达到可靠的密封，还可给这一装置注射相应的清洗剂或润滑剂对密封面进行清洗。

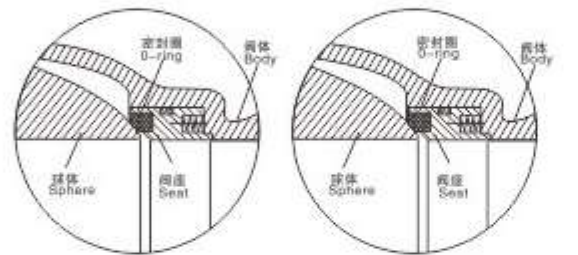
6、Figure 4: The auxiliary valve seat designed for emergency sealing system, once the seal damage or emergency situations cannot be sealed, through the auxiliary sealing system corresponding to the sealing surface sealant injection sealing surface can be repaired, to an emergency seal. When the transport medium or containing a small amount of contaminated particles, in order to protect the sealing surface and ensure that a reliable seal, the device can also be injected to the appropriate cleaning agents or lubricants on the sealing surface cleaning.

7、广泛适用于食品、医药、石油、化工、天然气、钢铁、环保、造纸等输送管路介质的切断或流通。还可给这一装置注射相应的清洗剂或润滑剂对密封面进行清洗。

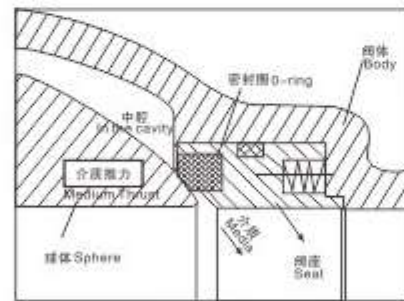
7、Widely used in food, medicine, petroleum, chemical, natural gas, steel, environmental protection, paper and other media to cut off pipeline transportation or circulation. The device can also be injected to the appropriate cleaning agents or lubricants on the sealing surface cleaning.



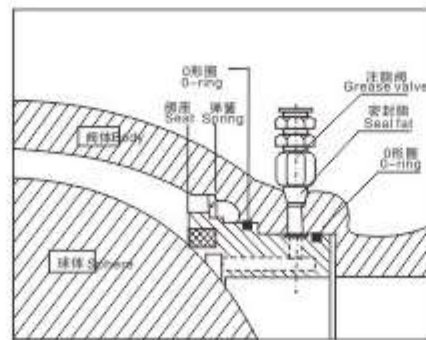
图一Figure 1



图二Figure 2



图三Figure 3



执行标准Implementation of standards

- 1、设计和制造Design and manufacture: GB/T 12237-1989; API 608
- 2、检验和试验Inspection and test: GB/T 13927-1992; API 598
- 3、法兰连接Flange connection: JB/T 79.1-2-1994; ASME/ANSI B 16.5
- 4、结构长度Structure length: GB/T 12221-1989; ASME/ANSI B 16.10

性能规范Performance Specifications

试验压力 Test pressure 单位Unit: MPa

公称压力PN	常温最大工作压力 Max temperature Working pressure	壳体试验压力 Case Test pressure	气密封试验压力 Gas Seals test pressure	高压密封试验压力 High-pressure sealing Test pressure
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.75
4.0	4.0	6.0	0.6	4.4
6.4	6.4	9.6	0.6	7.1
Class 150	2.0	3.0	0.6	2.2
Class 300	5.0	7.5	0.6	5.5

使用范围Terms of Use

壳体材料 Shell material	阀座材料 Seat material	适用温度 Applicable temperature	适用介质 Applicable media
碳钢C型 Carbon Steel C	聚四氟乙烯 PTFE	≤150℃	水、蒸汽、油品等 Water, steam, oil, etc.
	对位聚苯 Counterpoint polystyrene	≤250℃	
铬镍钛钢P型 Chrome P-type nickel-titanium steel	聚四氟乙烯 PTFE	≤150℃	硝酸类Nitric acid
	对位聚苯 Counterpoint polystyrene	≤200℃	
铬镍钼钛钢R型 Chrome-nickel steel R-Mo Ti	聚四氟乙烯 PTFE	≤150℃	醋酸类Acetic acid
	对位聚苯 Counterpoint polystyrene	≤200℃	

主要零件材料Main components material

零件名称 Component Name	标准 Standard	材料 Material	材料 Material	材料 Material
阀体、阀盖 Body, bonnet	GB	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
	ASTM	WCB	CF8	CF8M
球体Ball	GB	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
	ASTM	420	304	316
阀杆Stem	GB	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
	ASTM	420	304	316
阀座Seat	GB	2Cr13/PTFE	1Cr18Ni9Ti/PTFE	1Cr18Ni12Mo2Ti/PTFE
	ASTM	420/PTFE	304/PTFE	316/PTFE
填料Packing	GB	PTFE	PTFE	PTFE
	ASTM	PTFE	PTFE	PTFE
螺栓Bolt	GB	35CrMo	0Cr18Ni9	0Cr18Ni9
	ASTM	A193 B7	A320-B8	A320-B8
螺母Nut	GB	45	0Cr18Ni9	0Cr18Ni9
	ASTM	A194 2H	A190-8	A194-8

◇结构特点及用途Structural characteristics and uses

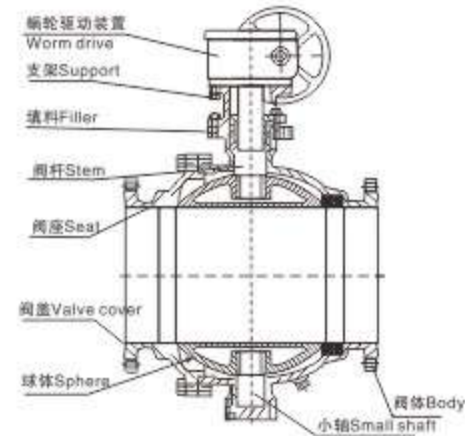
- 1、操作省力：介质压力在球体上产生作用力全部传递给上下轴承，球体不会相对位置移动，两端阀座密封受力均匀，操作力矩低。
- 2、采用弹簧预加载荷的可动金属阀座结构，能适用高温、高压以及各种介质管路。
- 3、根据客户要求，可以设计能适用于含颗粒、料浆等介质。
- 4、广泛适用于食品、医药、石油、化工、天然气、钢铁、环保、造纸等介质管路。

1. The operation reduces effort: The medium pressure will produce the good action on the spheroid to transmit completely gives the lower bearing, the spheroid relative position migration, the both sides valve seat seal stress will not be even, the operation moment of force will be low.

2. Uses the spring pre-Canada load the movable metal valve seat structure, can be suitable the high temperature, the high pressure as well as each medium pipeline.

3. According to the customer request, may design can be suitable in contains medium and so on pellet, ground paste.

4. Widely is suitable for medium pipelines and so on food, medicine, petroleum, chemical industry, natural gas, steel and iron, environmental protection, Papermaking.



◇执行标准Implementation of standards

- 1、设计和制造Design and manufacture: GB/T 12237-1989; API 608
- 2、检验和试验Inspection and test: GB/T 13927-1992; API 598
- 3、法兰连接Flange connection: JB/T 79.1~4-1994; ASME/ANSI B 16.5
- 4、结构长度Structure length: GB/T 12221-1989; ASME/ANSI B 16.10

◇性能规范Performance Specifications

试验压力Test pressure

单位Unit: MPa

公称压力 PN	常温最大工作压力 Maximum temperature Working pressure	壳体试验压力 Case Test pressure	气密封试验压力 Gas Seals Test pressure	高压密封试验压力 High-pressure sealing Test pressure
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.75
4.0	4.0	6.0	0.6	4.4
6.4	6.4	9.6	0.6	7.1
10.0	10.0	15.0	0.6	11.0
Class 150	2.0	3.0	0.6	2.2
Class 300	5.0	7.5	0.6	5.5
Class 600	10.0	15.0	0.6	11.0

◇使用范围Terms of Use

壳体材料 Shell material	工作温度 Work temperature (°C)	适用介质 Applicable media
碳钢C型 Carbon steel C	≤425℃	水、蒸汽、油品等 Water, steam, oil, etc.
铬镍钛钢P型 Chrome P-type nickel-titanium steel	≤200℃	硝酸类 Nitric acid
铬镍钼钛钢R型 Chrome-nickel steel R-Mo Ti	≤200℃	醋酸类 Acetic acid
铬钼钒钢I型 Chromium molybdenum vanadium steel I	≤550℃	蒸汽、冶炼、能源等 Steam, metallurgical, energy, etc.

◇主要零件材料Main components material

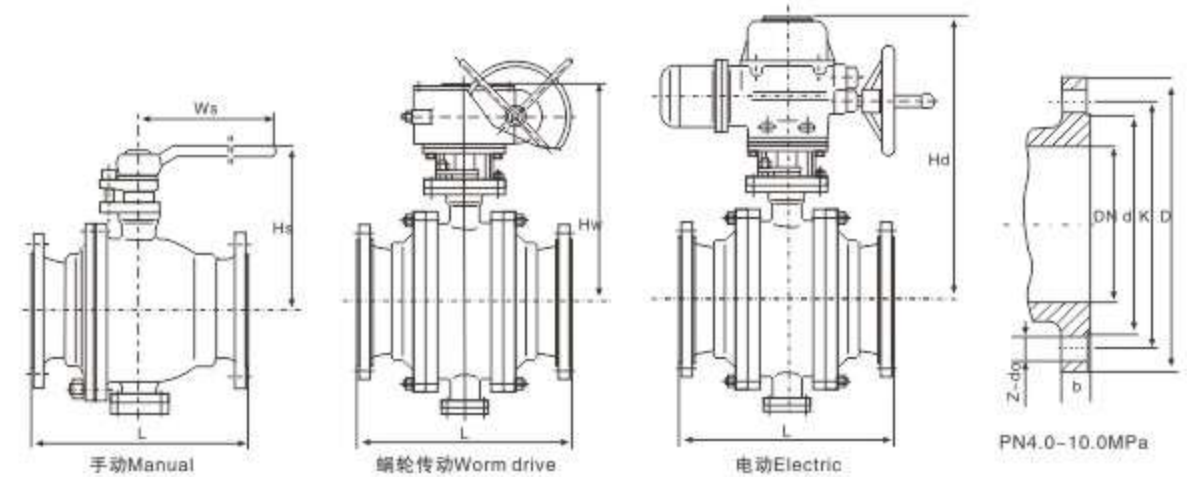
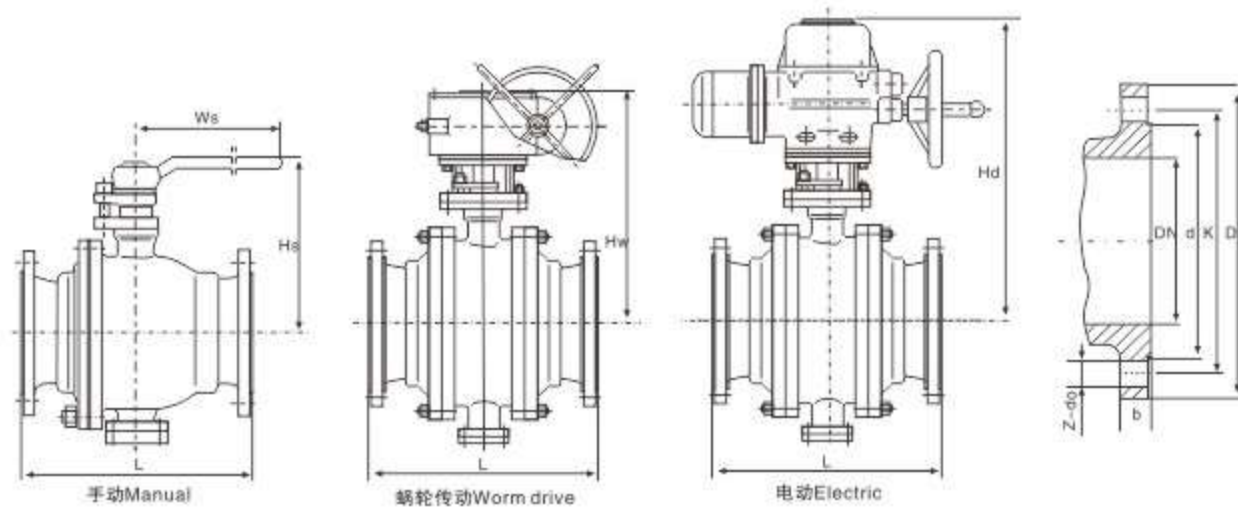
零件名称 Component Name	GB	WCB	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG15Cr1Mo1V
	ASTM	A216 WCB	CF8	CF8M	WC9
球体 Ball	GB	2Cr13/表面特殊处理 Special surface treatment	1Cr18Ni9Ti/表面特殊处理 Special surface treatment	0Cr18Ni12Mo2Ti/表面特殊处理 Special surface treatment	25Cr2Mo1V/表面特殊处理 Special surface treatment
	ASTM	420+HF	304+HF	316+HF	F22a+HF
阀杆、固定轴 Stem, fixed axis	GB	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	25Cr2Mo1V
	ASTM	420	304	316	F22a
阀座 Seat	GB	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	25Cr2Mo1V
	ASTM	420	304	316	F22a
填料 Packing	GB	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
	ASTM	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
螺栓 Bolt	GB	35CrMo	0Cr18Ni9	0Cr18Ni9	15Cr1Mo1V
	ASTM	A193 B7	A320-B8	A320-B8	A193 B16
螺母 Nut	GB	45	0Cr18Ni9	0Cr18Ni9	20CrMo
	ASTM	A194 2H	A194-8	A194-8	A194-4

Q47^{FHY} 型固定球阀

Q47 fixed ball valve

Q47^{FHY} 型固定球阀

Q47 fixed ball valve



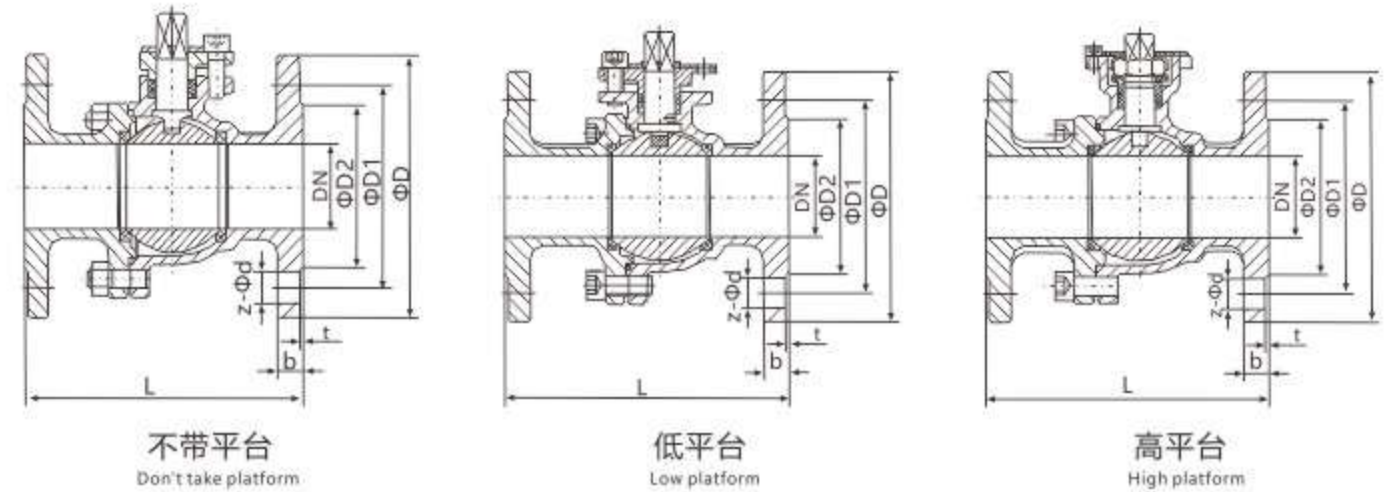
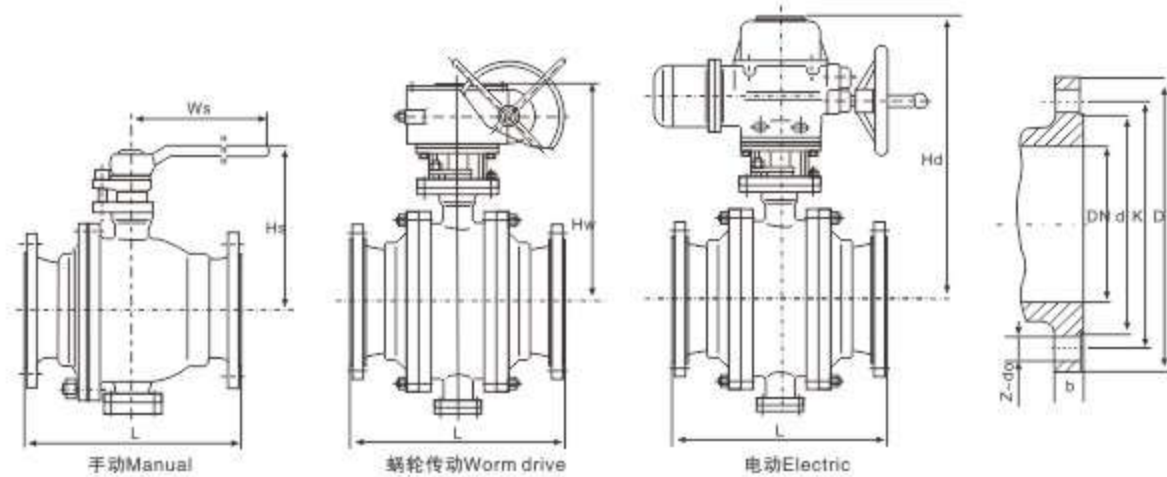
◇主要连接尺寸Main connection dimensions

公称压力 PN	公称通径 DN	尺寸Size (mm)										
		L	D	K	d	Y	b	z-d0	Ws	Hs	Hw	Hd
1.6MPa	150	394	285	240	210	-	24	8-23	1000	305	470	540
	200	457	340	295	265	-	26	12-23	-	-	520	580
	250	533	405	355	320	-	30	12-25	-	-	610	640
	300	610	460	410	375	-	30	12-25	-	-	650	690
	350	686	520	470	435	-	34	16-25	-	-	740	785
	400	762	580	525	485	-	36	16-30	-	-	795	830
	450	864	640	585	545	-	40	20-30	-	-	860	910
	500	914	715	650	608	-	44	20-34	-	-	945	990
	600	1067	840	770	718	-	48	20-41	-	-	1040	1090
	700	1245	910	840	788	-	50	24-41	-	-	1150	1210
	800	1372	1025	950	898	-	52	24-41	-	-	1280	1340
	900	1524	1125	1050	998	-	54	28-41	-	-	1430	1510
	1000	1753	1255	1170	1110	-	56	28-48	-	-	1580	1640
	1200	2032	1485	1390	1325	-	58	32-54	-	-	1810	1910
1400	2300	1685	1590	1525	-	60	36-54	-	-	2010	2115	
2.5MPa	150	403	300	250	218	-	30	8-25	1000	305	470	555
	200	502	360	310	278	-	34	12-25	-	-	540	595
	250	568	425	370	332	-	36	12-30	-	-	630	655
	300	648	485	430	390	-	40	16-30	-	-	650	705
	350	762	555	490	448	-	44	16-34	-	-	740	795
	400	838	620	550	505	-	48	16-34	-	-	795	830
	450	914	670	600	555	-	50	20-34	-	-	860	910
	500	991	730	660	610	-	52	20-41	-	-	945	990
	600	1143	845	770	718	-	56	20-41	-	-	1040	1090
	700	1346	960	875	815	-	60	24-48	-	-	1150	1210
	800	1524	1085	990	930	-	64	24-48	-	-	1305	1340
	900	1727	1185	1090	1025	-	66	28-54	-	-	1505	1600
	1000	1880	1320	1210	1140	-	68	28-58	-	-	1615	1705
	1200	2184	1520	1420	1350	-	72	32-58	-	-	1925	2035
1400	2300	1755	1640	1560	-	78	36-65	-	-	2110	2185	

◇主要连接尺寸Main connection dimensions

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸Size (mm)										
		L	D	K	d	Y	b	z-d0	Ws	Hs	Hw	Hd
4.0MPa	150	403	300	250	218	204	30	8-25	1200	360	485	590
	200	502	375	320	282	260	38	12-30	-	-	580	640
	250	568	450	385	345	313	42	12-34	-	-	665	680
	300	648	515	450	408	364	46	16-34	-	-	760	810
	350	762	580	510	465	422	52	16-34	-	-	820	890
	400	838	660	585	535	474	58	16-41	-	-	860	940
	450	914	685	610	560	524	60	20-41	-	-	930	1010
	500	991	755	670	612	576	62	20-48	-	-	980	1130
	600	1143	890	795	730	678	62	20-54	-	-	1040	1090
	700	1346	995	900	835	768	68	24-54	-	-	1150	1210
	800	1524	1140	1030	960	876	76	24-58	-	-	1305	1340
	900	1727	1270	1168	1022	-	105	32-54	-	-	1505	1600
	1000	1880	1238	1156	1086	-	114	32-44	-	-	1615	1705
	1200	2184	1467	1372	1302	-	133	32-51	-	-	1925	2035
1400		1708	1600	1518	-	154	28-60	-	-	2110	2185	
6.4MPa	150	495	345	280	240	204	38	8-34	1200	360	485	590
	200	597	405	345	300	260	44	12-34	-	-	580	650
	250	673	470	400	352	313	48	12-41	-	-	665	720
	300	762	530	460	412	364	54	16-41	-	-	760	840
	350	826	600	525	475	422	60	16-41	-	-	820	930
	400	902	670	585	525	474	66	16-48	-	-	870	990
	500	1054	800	705	640	576	70	20-54	-	-	995	1150
	600	1232	930	820	750	678	76	20-58	-	-	1100	1180
	700	1397	1035	940	800	-	95	28-51	-	-	1180	1230
	800	1651	1149	1054	914	-	108	28-54	-	-	1345	1385
	900	1880	1270	1168	1022	-	114	32-54	-	-	1550	1655
	1000	1981	1270	1175	1092	-	133	32-51	-	-	1675	1745
	1200	2311	1511	1403	1308	-	152	28-60	-	-	1945	2075

(WCB,CF8, CF8M,Ti,Ni)



◇主要连接尺寸Main connection dimensions

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸Size (mm)										
		L	D	K	d	Y	b	z-d0	Ws	Hs	Hw	Hd
Class 150	2"	178	152	120.5	92	-	16	4-19	260	155	-	-
	2 1/2"	190	178	139.5	105	-	18	4-19	350	185	-	-
	3"	203	190	152.5	127	-	19	4-19	500	205	-	-
	4"	229	229	190.5	157	-	24	8-19	650	255	390	500
	5"	356	254	216	186	-	24	8-22	800	285	410	520
	6"	394	279	241.5	216	-	26	8-22	1000	305	470	540
	8"	457	343	298.5	270	-	29	8-22	-	-	520	580
	10"	533	406	362	324	-	31	12-25	-	-	610	640
	12"	610	483	432	381	-	32	12-25	-	-	650	690
	14"	686	533	476	413	-	35	12-29	-	-	740	785
	16"	762	597	540	470	-	37	16-29	-	-	795	830
	18"	864	635	578	533	-	40	16-32	-	-	860	910
20"	914	699	635	584	-	43	20-32	-	-	945	990	
24"	1067	813	749.5	692	-	48	20-35	-	-	1040	1090	
28"	1245	927	864	800	-	71	28-35	-	-	1150	1210	
32"	1372	1060	978	914	-	81	28-41	-	-	1280	1340	
Class 300	2"	216	165	127	92	-	23	8-19	260	155	-	-
	2 1/2"	241	190	149	105	-	26	8-22	350	185	-	-
	3"	283	210	168.5	127	-	29	8-22	500	205	-	-
	4"	305	254	200	157	-	32	8-22	800	270	410	530
	5"	381	279	235	186	-	35	8-22	1000	305	470	560
	6"	403	318	270	216	-	37	12-22	1200	340	485	590
	8"	502	381	330	270	-	42	12-25	-	-	5809	640
	10"	568	445	387.5	324	-	48	16-29	-	-	665	680
	12"	648	521	451	381	-	51	16-32	-	-	760	810
	14"	762	584	514.5	413	-	54	20-32	-	-	820	890
	16"	838	648	571.5	470	-	58	20-35	-	-	860	940
	18"	914	711	628.5	533	-	61	24-35	-	-	930	1010
20"	991	775	686	584	-	64	24-35	-	-	980	1130	
Class 600	2"	292	165	127	108	82.550	26	8-19	350	175	-	-
	2 1/2"	330	190	149	127	101.600	29	8-22	500	200	-	-
	3"	356	210	168	146	123.825	32	8-22	650	235	-	-
	4"	432	273	216	175	149.225	38	8-25	1000	275	395	550
	5"	508	330	266.5	210	180.975	45	8-29	1200	325	430	580
	6"	559	356	292	241	211.138	48	12-29	-	-	495	620
	8"	660	419	349	302	269.876	56	12-32	-	-	595	680
	10"	787	508	432	356	323.851	64	16-35	-	-	680	740
	12"	838	559	489	413	381.001	67	20-35	-	-	790	850

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

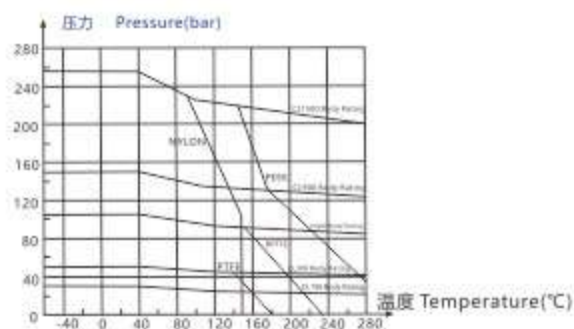
Nominal pressure: 150,300,600 LB
Strength test: PT3.0,7.5,15 MPa
Seal test: 2.2,5.5,11 Mpa
Back seal test: 2.2,5.5,11 MPa
Gas seal test: 0.6MPa
Valve body material: WCB(C),CF8(P)CF3(PL),
CF8M(R),CF3M(RL)
Suitable medium: water,steam,oil products,
nitric acid, acetic acid
Suitable temperature: -29°C ~ 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 CF8M
阀盖 Bonnet	A216 WCB	A351 CF8	A351 CF8M
球体 Ball	A276 201/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	A315 CF8M
螺栓 Bolt	A193-B7	A193-B8	A193-B8M
螺母 Nut	A194-2H	A194-8	A194-8M

美标法兰球阀 ANSI/ASME Flange Ball Valve

德标法兰球阀 DIN Flange Ball Valve



(WCB,CF8, CF8M,Ti,Ni)

(WCB,CF8, CF8M,Ti,Ni)

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

美标 (ANSI) 150LB 单位: mm

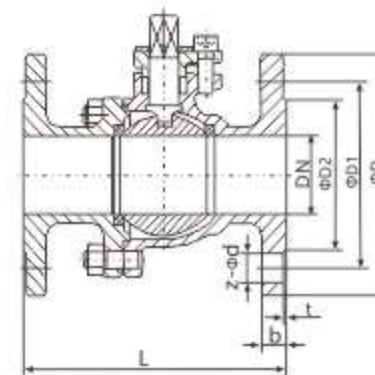
Nominal Diameter		L	D	D1	D2	b	t	z-Φd
in	DN							
1/2"	15	108	90	60.3	34.9	11.5	1.6	4-Φ16
3/4"	20	117	100	69.9	42.9	13	1.6	4-Φ16
1"	25	127	110	79.4	50.8	14.5	1.6	4-Φ16
1 1/4"	32	140	115	88.9	63.5	16	1.6	4-Φ16
1 1/2"	40	165	125	98.4	73	17.5	1.6	4-Φ16
2"	50	178	150	120.7	92.1	19.5	1.6	4-Φ19
2 1/2"	65	190	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

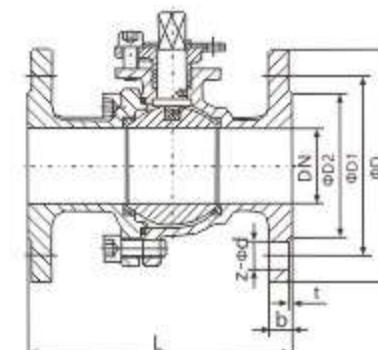
Nominal Diameter		L	D	D1	D2	b	t	z-Φd
in	DN							
1/2"	15	140	95	66.7	34.9	14.5	1.6	4-Φ16
3/4"	20	152	115	82.6	42.9	16	1.6	4-Φ19
1"	25	165	125	88.9	50.8	17.5	1.6	4-Φ19
1 1/4"	32	178	135	98.4	63.5	19.5	1.6	4-Φ19
1 1/2"	40	190	155	114.3	73	21	1.6	4-Φ22
2"	50	216	165	127	92.1	22.5	1.6	8-Φ19
2 1/2"	65	241	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

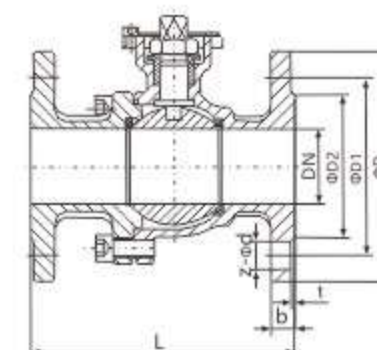
Nominal Diameter		L	D	D1	D2	b	t	z-Φd
in	DN							
1/2"	15	165	95	66.7	34.9	21	6.4	4-Φ16
3/4"	20	190	115	82.6	42.9	23	6.4	4-Φ19
1"	25	216	125	88.9	50.8	24	6.4	4-Φ19
1 1/4"	32	229	135	98.4	63.5	27.5	6.4	4-Φ19
1 1/2"	40	241	155	114.3	73	29	6.4	4-Φ22
2"	50	292	165	127	92.1	32	6.4	8-Φ19
2 1/2"	65	330	190	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



不带平台
Don't take platform



低平台
Low platform



高平台
High platform

设计标准

技术规范: 德标
设计标准: DIN3357
结构长度: DIN3202
连接法兰: DIN2542-2546
试验与检验: DIN3230

Design standards

Technical Specification: DIN
Design and Manufacture: DIN3357
Structure Length: DIN3202
Flanged end: DIN2542-2546
Test and Inspection: DIN3230

性能规范

公称压力: 1.6, 2.5, 4.0, 6.3MPa
强度试验: 2.4, 3.8, 6.0, 9.5MPa
密封试验: 1.8, 2.8, 4.4, 7.0MPa
上密封试验: 1.8, 2.8, 4.4, 7.0MPa
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: 1.6, 2.5, 4.0, 6.3MPa
Strength Test: 2.4, 3.8, 6.0, 9.5MPa
Seal Test: 1.8, 2.8, 4.4, 7.0MPa
Back Seal Test: 1.8, 2.8, 4.4, 7.0MPa
Gas Seal Test: 0.6MPa
Valve Main 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	

5

蝶阀系列 Butterfly valve series



三偏心多层次硬密封蝶阀

Three eccentric multi-level hard seal butterfly valve

◇用途

本蝶阀系吸收、消化国外技术，采用三维偏心多层次金属密封结构，适用介质温度 $\leq 550^{\circ}\text{C}$ 冶金、电力、石油化工以及给排水等管道上作调节流量和截断流体的最佳装置。

◇Uses

The valve system to absorb, digest foreign technology, using three-dimensional eccentric multi-level metal seal structure, applicable to medium temperature = 550°C metallurgy, electric power, petrochemical, as well as to the drainage pipe for regulating fluid flow and cut off the best device.

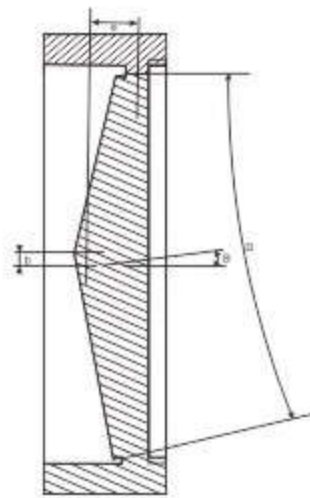
◇特点

- 1、蝶板密封圈为软硬层叠式金属片，具有金属硬密封和弹性密封的双重优点，无论在低温和高温情况下，均具有优良的密封性能。
- 2、采用三维偏心结构，阀座与蝶板几乎无摩擦，具有越关越紧的密封功能。
- 3、阀体密封面，采用堆焊不锈钢、钴基硬质合金，密封面耐磨损，使用寿命长。
- 4、结构独特，操作灵活、省力、方便、不受介质压力的高、低影响，密封性能可靠，使用寿命长。通常的双偏心蝶阀像b(偏离管道中心)和a(偏离密封面中心线)所示的那样，目的是减少阀座与密封件之间大约 15° 行程的摩擦。

HPV增加了一个独特的偏心角 β ，倾斜的锥形不仅克服了阀门启闭中密封件和阀座之间所有接触摩擦，从而增加使用寿命，而且通过外加力矩的改变可以任意调整其密封比压，使密封更为可靠，绝不出现过关现象。

◇Feature

- 1、butterfly plate seal for the hard and soft layering pieces of metal with a metal seal and flexible seal the dual advantage of both low and high temperature cases, both with excellent sealing performance.
- 2、using three-dimensional eccentric structure, valve seat and butterfly plate almost no friction, with the more closed more tight sealing function.
- 3、valve sealing surface, using welding stainless steel, cobalt-based alloy, sealing surface wear resistance and long service life.
- 4、The structure is unique, the operation nimble, reduces effort, conveniently, the medium pressure high, the low influence, the sealing property not to be unreliable, the service life is long. The usual double eccentric butterfly valve, as b (deviate from the pipe center) and a (deviate from the sealing surface of the centerline) as shown in the aim of reducing valve seat and seal between the friction of approximately 15° travel. HPV adds a unique eccentric angle β , slope of the cone not only overcome the valve open and close the seal and the seat all contacts between the friction, thereby increasing the service life, but also through changes in torque can be applied arbitrarily to adjust their seal over pressure, so that more reliable seal and never pass phenomenon occurs.



◇采用标准 Standard

制造标准 Manufacturing Standard	JB/T 8527-97	法兰标准Flange Standard	GB 9113
结构长度标准 Structure the length of the standard GB	GB 12221-89	检验标准Test Standard	GB/T 13927-92

◇主要性能规范 Main Performance Specifications

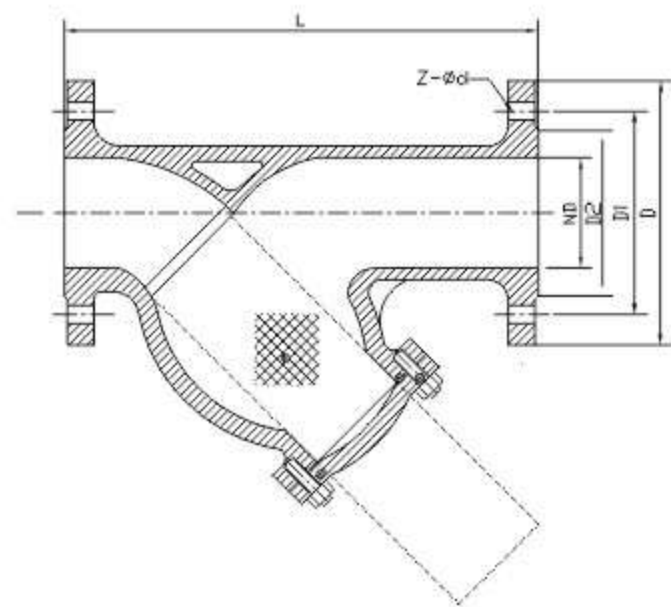
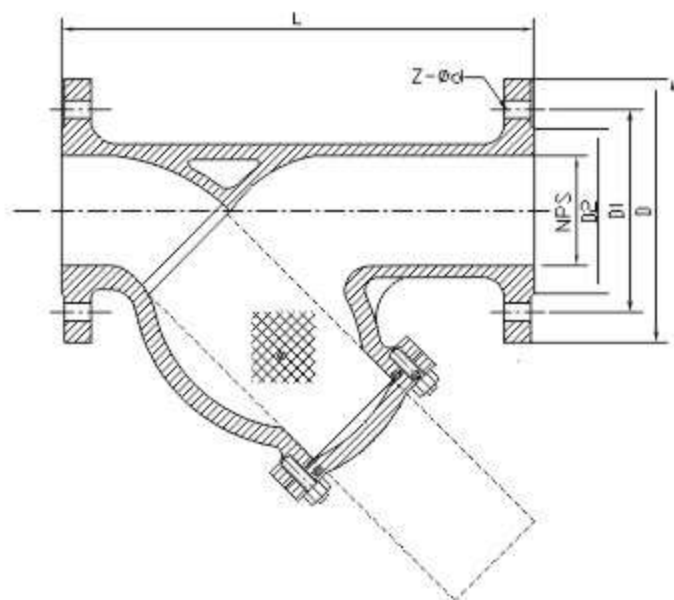
公称通径 Nominal size	DN(mm)	50 - 2000				50 - 500
公称压力 Nominal Pressure	PN(MPa)	0.6	1.0	1.6	2.5	4.0
试验压力 Test Pressure	强度试验 Strength test	0.9	1.5	2.4	3.75	6.0
	密封试验 Seal test	0.66	1.1	1.76	2.75	4.4
	气密封试验 Gas seal test	0.6	0.6	0.6	0.6	0.6
泄漏率 leakage	$< 0.1 \times \text{DNmm}^3/\text{s}$ (符合 GB/T 13927-92 标准) $< 0.1 \times \text{DNmm}^3/\text{s}$ (in line with GB/T 13927-92 standard)					
适用温度 suitable temperature	碳钢: $-29^{\circ}\text{C} \sim 425^{\circ}\text{C}$; 不锈钢、铬钼钢: $-40^{\circ}\text{C} \sim 550^{\circ}\text{C}$ Stainless steel, chrome molybdenum steel: $-40^{\circ}\text{C} \sim 550^{\circ}\text{C}$					
适用介质 applicable medium	空气、水、蒸气、煤气、油品以及酸、碱、盐带有弱腐蚀性介质等 Air, water, steam, gas, oil and acid, alkali, salt with a weak corrosive media, etc.					
驱动形式 drive type	蜗杆蜗轮传动、电传动 Worm worn transmission, electric transmission					

◇主要零件材料 Main components material

零件名称 Part name	材料 Material	零件名称 Part name	材料 Material
阀体 Body	碳钢、不锈钢、铬钼钢、合金钢 Carbon steel, stainless steel, chrome molybdenum steel, alloy steel	阀杆 Stem	2Cr13、1Cr13 不锈钢、铬钼钢 2Cr13, 1Cr13 stainless steel, chrome molybdenum steel
蝶板 Disc	碳钢、合金钢、不锈钢、铬钼钢 Carbon steel, alloy steel, stainless steel, chrome molybdenum steel	轴承 Bearing	奥氏体不锈钢、304 氮化 Austenitic stainless steel, 304 nitride
密封圈 Ring	不锈钢与耐高温石棉板组合成多层次 Stainless steel and high temperature asbestos combined into multi-level	填料 packing	柔性石墨 Flexible graphite

Y型过滤器 Filter GL4H

Y型过滤器 Filter GL4H



美标 ASME B16.5 (150LB)

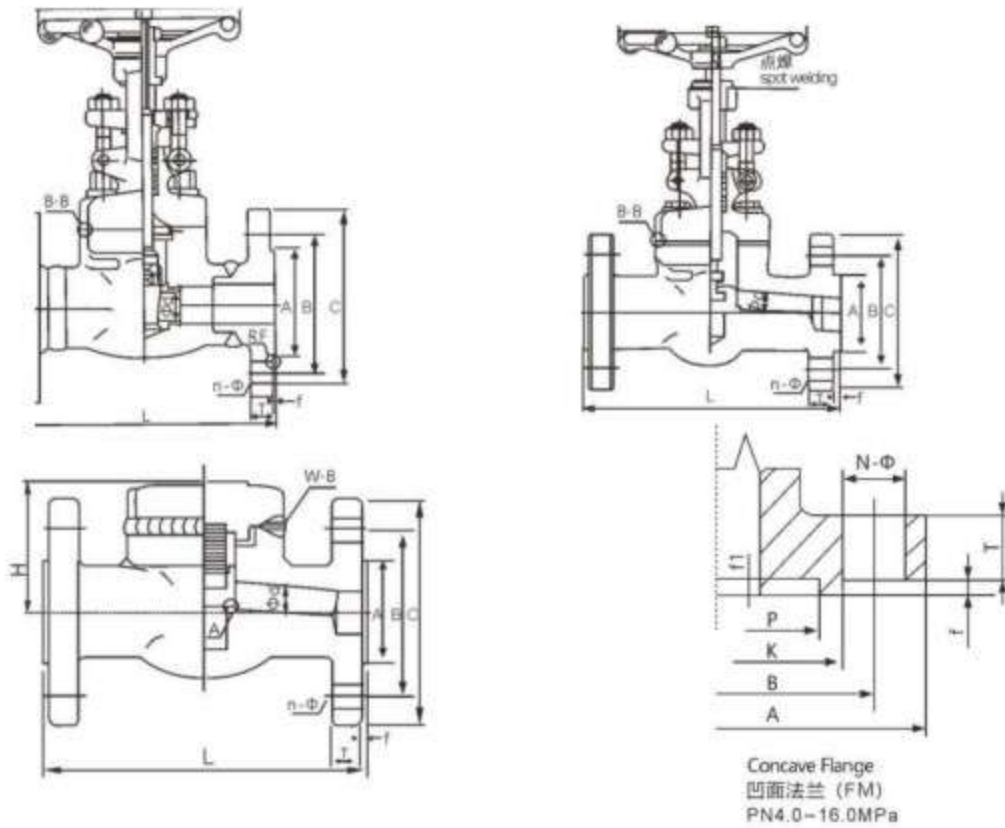
NPS	L	D	D1	D2	C	f	Z-φd
1/2"	108	90	60.3	34.9	10	2	4-φ16
3/4"	117	100	69.9	42.9	11.9	2	4-φ16
1"	127	110	79.4	50.8	12.6	2	4-φ16
1-1/4"	140	115	88.9	63.5	13.2	2	4-φ16
1-1/2"	165	125	98.4	73	14.7	2	4-φ16
2"	203	150	120.7	92.1	16.3	2	4-φ19
2-1/2"	216	180	139.7	104.8	17.9	2	4-φ19
3"	241	190	152.4	127	19.5	2	4-φ19
4"	292	230	190.5	157.2	24.3	2	8-φ19
5"	356	255	215.9	185.7	24.3	2	8-φ22
6"	406	280	241.3	215.9	25.9	2	8-φ22
8"	495	345	298.5	269.9	29	2	8-φ22
10"	622	405	362	323.8	30.6	2	12-φ25
12"	698	485	431.8	381	32.2	2	12-φ25

国标JB79-2015与HG-20592 (PN16)

DN	L	D		D1	D2		C		f	Z-φd	
		JB79-2015	HG-20592		JB79-2015	HG-20592	JB79-2015	HG-20592		JB79-2015	HG-20592
15	130	95	95	65	45	45	14	16	2	4-φ14	4-φ14
20	145	105	105	75	58	58	14	18	2	4-φ14	4-φ14
25	150	115	115	85	68	68	14	18	2	4-φ14	4-φ14
32	185	135	140	100	78	78	16	18	2	4-φ18	4-φ14
40	200	145	150	110	88	88	16	18	2	4-φ18	4-φ18
50	220	160	165	125	102	102	16	18	2	4-φ18	4-φ18
65	250	180	185	145	122	122	18	18	2	4-φ18	8-φ18
80	280	195	200	160	138	138	20	20	2	8-φ18	8-φ18
100	300	215	220	180	158	158	20	20	2	8-φ18	8-φ18
125	340	245	250	210	188	188	22	22	2	8-φ18	8-φ18
150	385	280	285	240	212	212	24	22	2	8-φ23	8-φ22
200	475	335	340	295	268	268	26	24	2	12-φ23	12-φ22
250	560	405	395	350	320	320	30	26	2	12-φ25	12-φ26
300	610	460	445	410	370	370	30	28	2	12-φ25	12-φ26
350	705	520	505	470	430	430	34	30	2	16-φ25	16-φ26
400	780	580	565	525	482	482	36	32	2	16-φ30	16-φ30
450	850	640	615	585	532	532	40	40	2	20-φ30	20-φ30
500	875	705	670	650	585	585	44	44	2	20-φ34	20-φ33
600	1065	840	780	770	685	685	48	54	2	20-φ41	20-φ36

锻钢阀门

Forged steel valves



PN (MPa)	DN	L			A	B	C	C	T	f	f1	螺栓孔 Bolt hole		环面连接 Ring type joint			
		闸阀	截止阀	止回阀								N	Φ	K	P	F	E
1.6	15	130	130	130	95	65	45	-	16	2	-	4	14	-	-	-	-
	20	150	150	150	105	75	55	-	16	2	-	4	14	-	-	-	-
	25	160	160	160	115	85	65	-	16	2	-	4	14	-	-	-	-
	32	180	180	180	135	100	78	-	18	2	-	4	18	-	-	-	-
	40	200	200	200	145	110	85	-	18	2	-	4	18	-	-	-	-
	50	230	250	250	160	125	100	-	20	2	-	4	18	-	-	-	-
2.5	15	130	130	130	95	65	45	40	16	2	4	4	14	-	-	-	-
	20	150	150	150	105	75	55	51	16	2	4	4	14	-	-	-	-
	25	160	160	160	115	85	65	58	16	2	4	4	14	-	-	-	-
	32	180	180	180	135	100	78	66	18	2	4	4	18	-	-	-	-
	40	200	200	200	145	110	85	76	18	3	4	4	18	-	-	-	-
	50	230	250	250	160	125	100	88	20	3	4	4	18	-	-	-	-
6.4	15	170	170	170	105	75	55	40	18	2	4	4	14	55	35	9	6.5
	20	190	190	190	125	90	68	51	20	2	4	4	18	68	45	9	6.5
	25	210	210	210	135	100	78	58	22	2	4	4	18	78	50	9	6.5
	32	230	230	230	150	110	82	66	24	2	4	4	23	82	65	9	6.5
	40	260	240	240	165	125	95	78	24	3	4	4	23	95	75	9	6.5
	50	300	250	250	175	135	105	88	26	3	4	4	23	105	85	12	8
10.0	15	170	170	170	105	75	55	40	20	2	4	4	14	55	35	9	6.5
	20	190	190	190	125	90	68	51	22	2	4	4	18	68	45	9	6.5
	25	210	210	210	135	100	78	58	24	2	4	4	18	78	50	9	6.5
	32	230	230	230	150	110	82	66	24	2	4	4	23	82	65	9	6.5
	40	260	240	240	165	125	95	76	26	3	4	4	23	95	75	9	6.5
	50	300	250	250	195	145	112	88	28	3	4	4	25	112	85	12	8
16.0	15	170	170	170	110	75	55	40	24	2	4	4	18	52	35	9	6.5
	20	190	190	190	130	90	62	51	26	2	4	4	23	62	45	9	6.5
	23	210	210	210	140	100	72	58	28	2	4	4	23	72	50	9	6.5
	32	230	230	230	165	115	85	66	30	2	4	4	25	85	65	9	6.5
	40	260	260	260	175	125	92	76	32	3	4	4	27	92	75	9	6.5
	50	300	300	300	215	165	132	88	36	3	4	8	25	132	95	12	8