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FOR MORE INFORMATION ABOUT OUR TECHNOLOGY,  
PLEASE VISIT HERE [www.yuming-valves.com](http://www.yuming-valves.com)



宇明阀门集团  
YUMING VALVE GROUP

Harbor the world a Better Tomorrow

— Warmly celebrate the 50th anniversary of Yuming valve group —

中国驰名商标  
China Well-known Trademark



## 企业简介

# Company Profile

宇明阀门集团有限公司位于“中国阀门之乡”荥阳，北临黄河，毗邻S314省道，连霍高速、陇海铁路，交通便利，物流发达。公司始建于1972年，工业园区占地面积82000平方米。现有员工500余人，各类专业技术人员80余人，注册资金1亿元。已成为集研发、制造、销售于一体的专业阀门制造商。

2021年，宇明阀门出口营业额突破2000万美元；2022年，宇明阀门出口营业额突破2500万美元，并试图在未来做的更好。在2021年新增两条生产线，主要生产大型工程类阀门(DN4000以下)；并在2021年底投资郑州一阀流体科技有限公司，拥有生产设备600多台，其中机加工、试验机、测量设备300多台，操作人员约400多人，我们拥有多年的阀门制造经验，并且拥有最专业的团队。我们想强调的是，在宇明的研发部门有6名高级工程师和12名相关的主要工程师帮助CAD绘图和技术支持，另外4名专家在QC部门。

除了优秀的生产团队，宇明阀门还拥有全面的销售管理，与全球客户打交道。95%的营业额来自出口俄罗斯、阿根廷、菲律宾、越南、印度尼西亚、哥伦比亚、智利、瑞典、挪威、比利时、法国、德国、罗马尼亚、意大利、西班牙、土耳其、以色列、伊朗、埃及、南非、澳大利亚、马来西亚、泰国、新加坡、美国、香港、台湾和韩国，与中外朋友合作共赢，建立了牢固的合作关系，同时更结下了深厚的情谊，为宇明阀门的发展注入了持久的活力。

选择“宇明”，选择“信任”。

Yuming Valve Group Co., Ltd. is located in Xingyang, the "Hometown of Valves in China", facing the Yellow River to the north, adjacent to S314 Provincial Highway, Lianhuo Expressway and Longhai Railway, with convenient transportation and developed logistics. The company was founded in 1972, and the industrial park covers an area of 82,000 square meters. There are more than 500 employees, more than 80 professional and technical personnel of various types, and a registered capital of 100 million yuan. It has become a professional valve manufacturer integrating R&D, manufacturing and sales.

2021, Yuming valve export turnover exceeded 20 million US dollars. In 2022, Yuming valve export turnover exceed 25 million US dollars, and is trying to do more in the future. In 2021, two new production lines has added, mainly producing bigger size (up to DN4000) engineering valves; and at the end of 2021, we invested in Zhengzhou Yiva Fluid Technology Co., Ltd., and we have more than 600 production facilities, including more than 300 machining, testing machines, and measuring equipment. about 400 operators, we have many years of valve manufacturing experience, and have the most professional team. We would like to emphasize that there are 6 senior engineers and 12 related main engineers in Yuming's R&D department to help with CAD drawing and technical support, and the other 4 experts are in the QC department.

In addition to an excellent production team, Yuming Valve also has a comprehensive sales management to deal with global customers. And 95% of the turnover comes from exports to Russia, Argentina, the Philippines, Vietnam, Indonesia, Colombia, Peru, Chile, Sweden, Norway, Belgium, France, Germany, Romania, Italy, Spain, Turkey, Israel, Iran, Egypt, South Africa, Australia, Malaysia, Thailand, Singapore, the United States, Hong Kong, Taiwan and South Korea, and win-win cooperation with Chinese and foreign friends, established a deep cooperative relationship, and at the same time forged a stronger friendship, which injected lasting vitality into the development of Yuming.

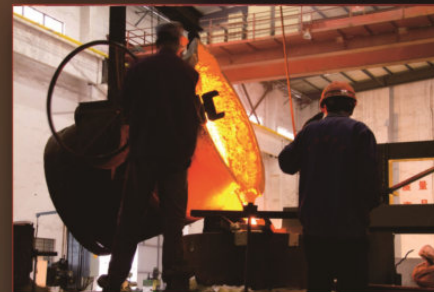
Select "Yuming", select "Trust"



YUMING VALVE GROUP

Expert in Industry Fluid  
System Control

# 铸件生产 Casting Production



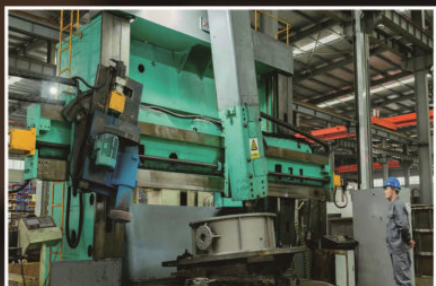
**YUMING VALVE GROUP**

Expert in Industry Fluid  
System Control

# 生产装备 Production equipment

拥有铸造、加工、焊接、热处理等先进的加工设备和专业化的生产车间，不断完善产品加工工艺，严格控制产品制造的每一道工序、每一个环节，精益求精，确保宇明阀门的优良品质。

It has advanced processing equipment such as casting, machining, welding, heat treatment, and specialized production workshops, constantly improves product processing technology, strictly controls every process and every link of product manufacturing, and strives for excellence to ensure the excellent quality of Yuming valves.



YUMING VALVE GROUP

Expert in Industry Fluid  
System Control

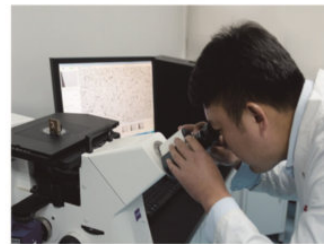
# 检测中心 Test Center



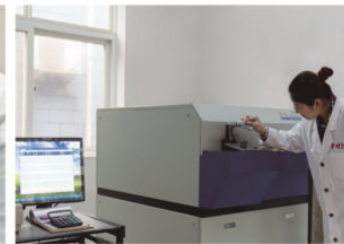
• 冲击试验机  
Impact testing machine

为了提供高品质产品，公司配置了先进的检测设备以及完善的检测手段，建立了一支严格要求的品质管理队伍，实现了从原材料检测，生产过程检测，产品及应用全过程的质量控制。

In order to improve the quality of products, The company is equipped with advanced testing equipment and perfect testing methods, Established a strict quality management team, Realized from the detection of raw materials, production process testing, Quality control of the whole process of products and applications.



• 金相分析仪  
Metallographic Analyzer



• 直读光谱仪  
Direct Reading Spectrometer



• 试样制备机  
Sample preparation machine

## 应用范围 Range of application

Products applicable to petroleum, chemical, natural gas, light industry, electric power, Pharmaceuticals, dyes, metallurgy, fiber, leather, textile, food, military, construction, refrigeration, water supply and industries.

产品适用于石油、化工、天然气、轻工、电力、制药、染料、冶金、纤维、制革、纺织、食品、军工、建筑工程、制冷、供水等行业。



**电站** Power plant  
 ◦ 过热器 Superheater  
 ◦ 换热器 Heat-exchanger  
 ◦ 冷凝器 Condenser



**石油、石化** Oil and petrochemical  
 ◦ 石油裂化 Petroleum cracking  
 ◦ 流体输送 Fluid transport  
 ◦ 物料输送 Material transport



**水工业** Water industry  
 ◦ 水的准备、贮存 Water preparation, storage,  
 ◦ 输送、净化 Transportation, purify,  
 ◦ 再生、海水淡化 Regeneration, seawater desalt



**核电站** Nuclear plant  
 ◦ 堆内结构管 In-pile structure  
 ◦ 给水加热器用管 Feedwater heater  
 ◦ 主管道、 Main pipe,  
 ◦ 冷却水管道等用管 Cooling water pipe and so on



**环保** Environment protection  
 ◦ 废气 Exhaust gas,  
 ◦ 垃圾 Rubbish  
 ◦ 污水处理 Sewage treatment



**汽车制造** Automotive  
 ◦ 排气管 Exhaust pipe



◦ 造船 Shipping industry



◦ 造纸 Paper manufacturing



◦ 航天航空 Aviation

## 产品展示 Product display

### 锻钢法兰闸阀/Forged steel flanged gate valve



### 锻钢法兰截止阀/Forged steel flanged globe valve



产品展示  
Product display

锻钢保温阀/Forged steel insulation valve



锻钢球阀/Forged steel ball valve



产品展示  
Product display

锻钢止回阀/Forged steel check valve



锻钢自密封阀门/Forged steel self-sealing valve





# VALVE PRODUCTS COMPREHENSIVE CATALOG

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## 锻钢低温阀门/Forged steel cryogenic valves

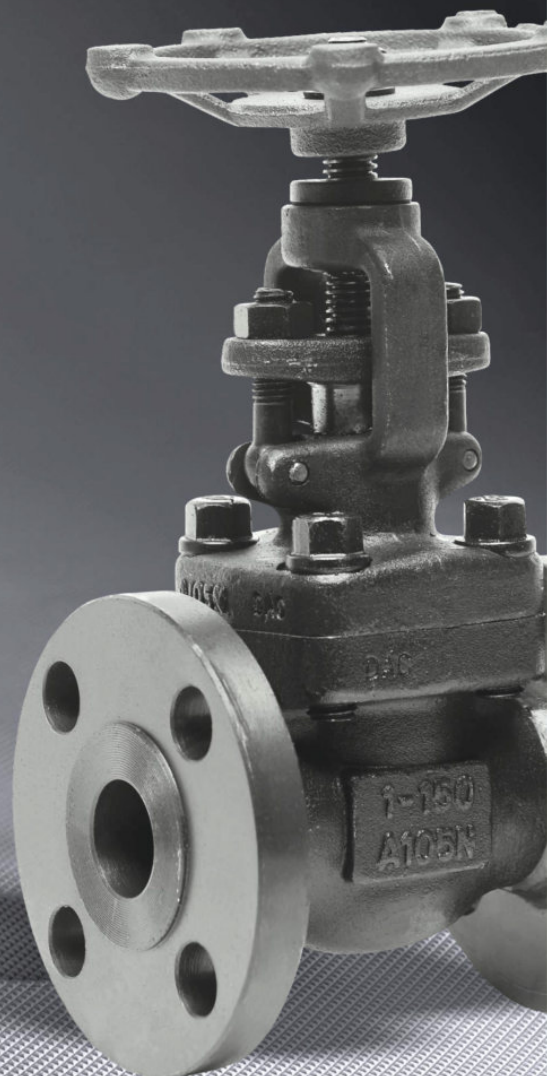
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产品型号编制方法(适用范围:国内标准的阀门);国外标准产品型号编制方法参照此办法,只修正压力数值代号和规格代号



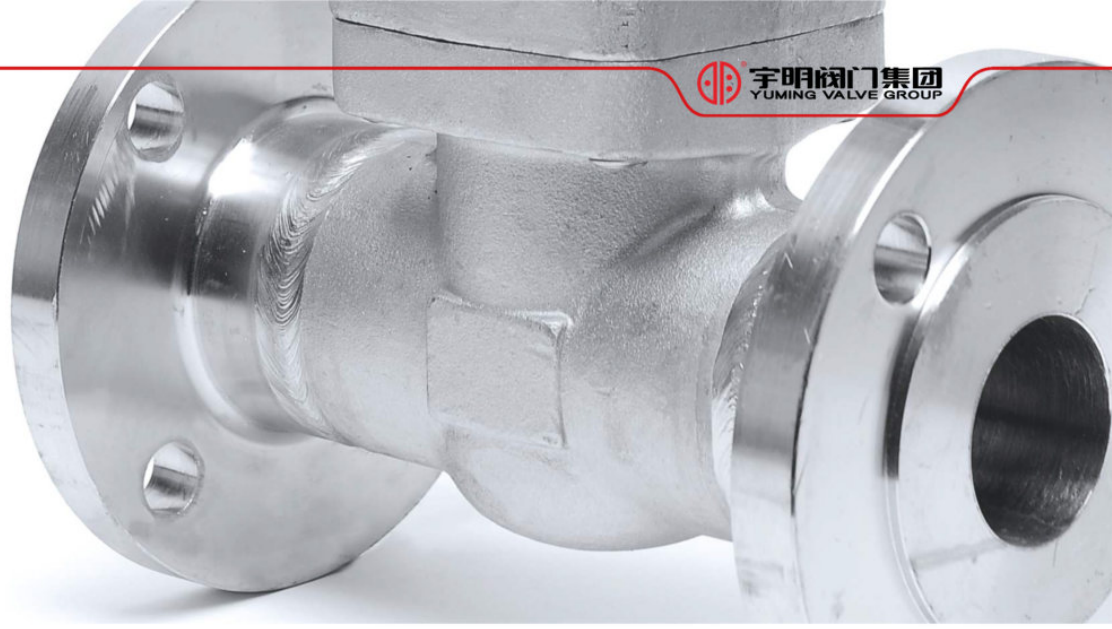
※1PN≥2.5MPa, 碳钢  
阀体材料代号 "C" 省略。

※2法兰形式代号

截止阀、节流阀结构代号	止回阀结构形式代号	球阀结构形式代号	球阀结构形式代号
直通式	1	升降活塞阀	1
明杆模式单闸板	2	升降立式	2
明杆模式双闸板	3	升降角式	3
明杆平行式单闸板	4	升降角式	4
明杆平行式双闸板	5	升降角式	5
暗杆模式单闸板	6	升降角式	6
暗杆模式双闸板	7	升降角式	7
暗杆平行式单闸板	8	升降角式	8
暗杆平行式双闸板	9	升降角式	9

说明

1. 执行国内标准的阀门, 其型号编制方法遵循JB308-2004的编号原则。
2. 阀门新产品型号按本编号原则, 老产品型号例如13H-160(13H-160)适用不变。
3. 阀门直径有缩径和全径之分, 凡是全径的阀门直径在规格数值前加 "F", 例如Z41Y-40-F25(DN25是全径), 缩径无代号区别。
4. 密封面材料, 行业约定双瓣STL密封面代号为 "Y", 本厂单瓣STL密封面代号为 "Y"。
5. 凡是订购真空阀门, 必须注明其速率是多少。
6. 凡是球阀阀门, 其阀体均为F304(或F316)、密封面双瓣STL。
7. 中法兰连接形式(BB结构), 其密封垫为不同材料的关系在石墨缠绕垫。
8. 小口径球阀阀门驱动方式一般为手动代号省略其他形式请注明。



## Forged Steel Gate Valves 锻钢闸阀系列

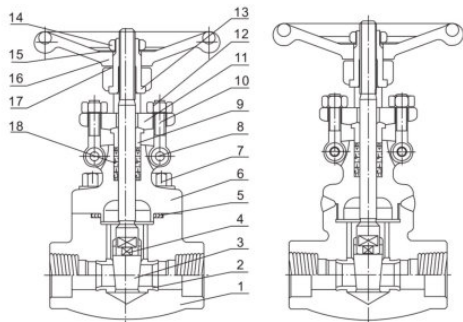


# 内螺纹与承插焊闸阀

Female threaded and socket welded gate valves

# 内螺纹与承插焊闸阀

Female threaded and socket welded gate valves



### 碳钢温压等级

#### Carbon steel temperature-pressure rate

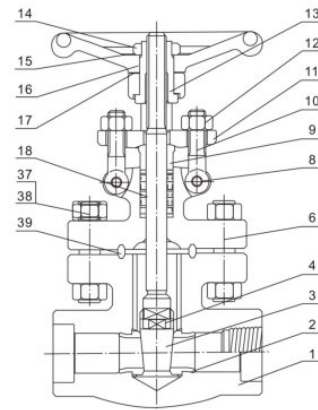
CL150-285 P.S.I @ 100° F  
CL300-740 P.S.I @ 100° F  
CL600-1480 P.S.I @ 100° F  
CL800-1975 P.S.I @ 100° F  
CL1500-3705 P.S.I @ 100° F

#### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	闸板Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
8	销Pin	410	410	410	410	304	304	304
9	填料压套Gland	410	410	304	410	304	316	F51
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	填料压板Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A197
17	润滑垫片Lubricating gasket	410	410	410	410	410	410	410
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite

### 应用规范Application standards

- 设计制造Design and manufacture conform to:  
API 602、BS5352、ANSI B16.34;
- 连接端尺寸Connection ends conform to:  
1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751  
2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306  
3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224  
4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to:  
API 598, GB/T13927, JB/T9092
- 结构特征Structure features:  
螺栓连接阀盖(B.B)和明杆支架(OS&Y)  
Bolted bonnet, outside screw and yoke  
或焊接阀盖(W.B)和明杆支架(OS&Y)  
Welded bonnet, outside screw and yoke
- 材料按Materials conform to ANSI/ASTM的规定。  
A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20Alloy(合金).



### 应用规范Application standards

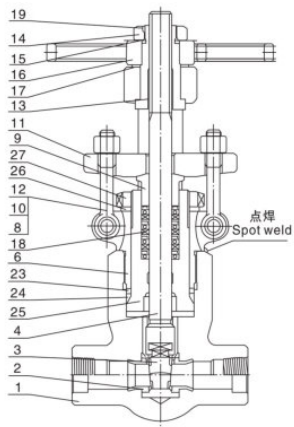
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- 主体材料Main materials:  
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### 碳钢温压等级Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100° F CL300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100° F  
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3	闸板Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
8	销Pin	410	410	410	410	304	304	304
9	填料压套Gland	410	410	304	410	304	316	F51
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	填料压板Gland flange	A105	A105	LF2	F11	F304	F304	F304
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15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A197
17	润滑垫片Lubricating gasket	410	410	410	410	410	410	410
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite
37	双头螺栓Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
38	螺母Nut	2H	2H	2H	2H	8(M)	8(M)	8(M)
39	金属环Metal ring	304	304	304	304	304(L)	316(L)	F51



### 应用规范Application standards

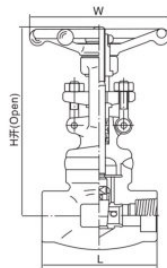
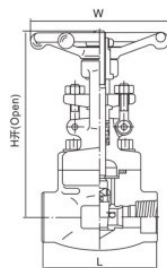
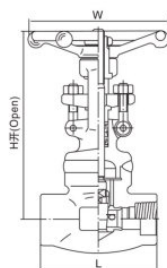
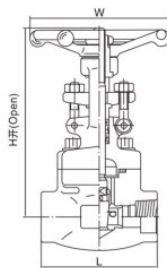
- 设计制造Design and manufacture conform to: API 602、BS5352、ANSI B16.34;
- 连接端尺寸Connection ends conform to:
  - 承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 结构特征Structure features: Threaded and pressure seal bonnet
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F91; Monel; 20Alloy(合金)。

### 碳钢温压等级Carbon steel temperature-pressure rate

CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F91
2	阀座Seat	410	410HF	304	410HF	304(L)	316(L)	410HF
3	闸板Wedge	F6a	F6a	F304	F3aHF	F304(L)	F316(L)	F6aHF
4	阀杆Stem	410	410	304	410	304(L)	316(L)	410
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
8	销Pin	410	410	410	410	304	304	410
9	填料压套Gland	410	410	304	410	304	316	410
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8
11	填料压板Gland flange	A105	A105	LF2	F11	F304	F304	F91
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A190
17	润滑脂Lubricating gasket	410	410	410	410	410	410	410
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite
19	紧定螺钉Stop nut	35	35	35	35	35	35	35
23	密封垫片Seal gasket	420	420	304	304	304(L)	316(L)	420
24	自密封圈P.S. ring	304	304	304	304	304	316	316
25	自密封座P.S. seat	420	420	304	304	304(L)	316(L)	F91
26	螺母垫块Nut pad	410	410	410	410	410	410	410
27	拉紧螺母Packing nut	碳钢Cast steel	碳钢Cast steel	碳钢Cast steel	碳钢Cast steel	不锈钢Stainless steel	不锈钢Stainless steel	碳钢Cast steel



螺栓连接阀盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

### CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm)Height	H	161	161	163	196	223	251	290	333	370
流通孔径(mm)Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
重量(kg)Weight		2.22	2.3	2.39	4.24	5.7	7.05	10.9	16.8	24

焊接连接阀盖，缩径和全径，明杆支架(OS&Y)  
Welded bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

### CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm)Height	H	161	161	163	196	223	251	290	333	370
流通孔径(mm)Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
重量(kg)Weight		1.9	1.9	2.1	3.2	5.2	6.9	10.4	15.8	22

螺栓连接阀盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

### CL900-1500

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	92	92	111	120	120	140	178	180	-
手轮直径(mm)Handwheel diameter	W	100	100	125	160	160	180	200	220	-
中心高度(开)(mm)Height	H	191	171	192	219	243	296	316	370	-
流通孔径(mm)Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
重量(kg)Weight		2.4	2.4	4.4	6	7.2	11.4	16	23	-

焊接连接阀盖，缩径和全径，明杆支架(OS&Y)  
Welded bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

### CL900-1500

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	92	92	111	120	120	140	178	180	-
手轮直径(mm)Handwheel diameter	W	100	100	125	160	160	180	200	220	-
中心高度(开)(mm)Height	H	191	171	192	240	258	330	355	370	-
流通孔径(mm)Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
重量(kg)Weight		2.4	2.4	4	4.8	7.1	11	16	22.8	-

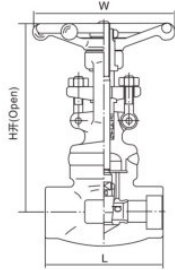
# 内螺纹与承插焊闸阀

Female threaded and socket welded gate valves

# 锻钢法兰闸阀

Forged steel flange gate valves

焊接连接阀盖, 全径, 明杆支架(OS&Y)  
Welded bonnet, full port, outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊或对焊, 设计按API602  
Threaded, butt-welded or socket welded ends; design to API602



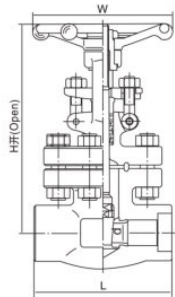
## CL2500

规格(NPS)Specification	F.P	1/4	3/8	1/2	3/4	1	1 1/4	2
结构长度(mm)Face to face	L	-	111	111	120	120	140	-
手轮直径(mm)Handwheel diameter	W	-	125	125	160	180	220	-
中心高度(开)(mm)Height	H	-	215	218	220	238	281	-
流道孔径(mm)Flow port dimension	d	-	14	14	14	19	25	-
重量(kg)Weight		-	7	7	8.7	11.7	17	-

螺栓连接阀盖, 全径, 明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊或对焊, 设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

## CL1500-2500

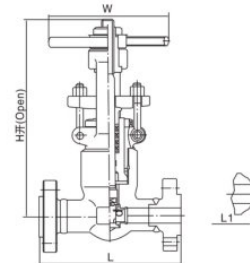
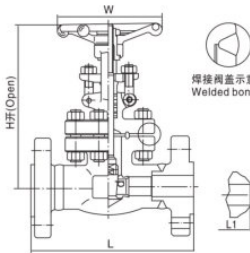
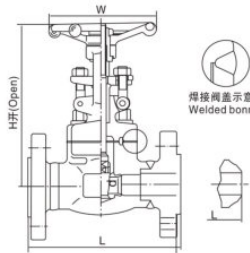
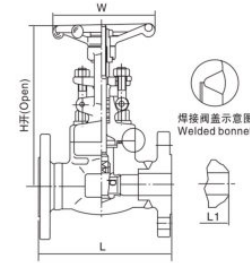
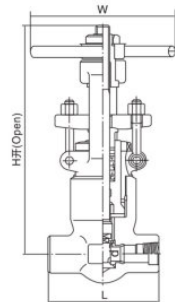
规格(NPS)Specification	F.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	CL1500	111	120	120	-	178	210	-
手轮直径(mm)Handwheel diameter	W	CL1500	110	130	130	-	180	250	-
中心高度(开)(mm)Height	H	CL1500	277	300	390	-	400	435	-
流道孔径(mm)Flow port dimension	d	CL1500	14	17	22	-	35	37	-
重量(kg)Weight		CL1500	4.2	6.6	8.8	-	17.2	23.5	-
		CL2500	11	11.3	22.4	-	38	38	-



压力自紧式密封阀盖, 全径, 明杆支架(OS&Y)  
Pressure sealed bonnet, full port, outside screw and yoke(OS&Y)  
末端连接为焊接承插连接, 设计按ASME B16.34  
Butt-welded or socket welded ends; design to ASME B16.34

## CL1500-2500

规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	CL900-1500	140	140	140	140	178	178	216
手轮直径(mm)Handwheel diameter	W	CL900-1500	200	200	200	200	280	280	300
中心高度(开)(mm)Height	H	CL900-1500	318	318	318	322	467	468	540
流道孔径(mm)Flow port dimension	d	CL900-1500	14	14	14	19	25	30	36.5
重量(kg)Weight		CL900-1500	11.5	10.8	10.8	10.5	19.6	21.0	55.4
		CL2500	12.3	11.6	11.6	10.8	26.0	28.4	60.0



螺栓连接阀盖, 缩径, 明杆支架(OS&Y)  
Bolted bonnet, reducing port outside screw and yoke(OS&Y)  
末端连接为法兰或对焊连接, 设计按API602, BS5352  
Flange-welded or butt-welded ends; design to API602, BS5352

## CL150-300-600

规格(NPS)Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
结构长度(mm)Face to face	L(RF), L1(BW)	-	-	108	117	127	140	165	178	190	
手轮直径(mm)Handwheel diameter	W	-	-	165	190	216	229	241	292	330	
中心高度(开)(mm)Height	H	-	-	176	184	217	226	250	290	357	
流道孔径(mm)Flow port dimension	d	-	-	10	13.5	18	24	29	36.5	45	
重量(kg)Weight											
CL150	RF	-	-	3.4	3.98	6.12	7.2	10.4	15.5	24.5	
	BW	-	-	2.8	3.3	5.4	6.5	8.2	12.5	20	
	CL300	RF	-	-	3.77	4.89	7.23	9.6	12.64	18	26.2
	BW	-	-	3.5	4.4	6.8	8.1	9.2	15.4	22	
CL600	RF	-	-	4.2	5.8	8.8	12.1	15.6	19.5	32	
BW	-	-	4.5	5.1	8.2	10.5	12.4	20.1	28		

注: 如法兰和阀体一体锻造的请与销售人员联系。  
Flange Integrity Forged Steel Valve enquiry please contact sales department.

螺栓连接阀盖, 全径, 明杆支架(OS&Y)  
Welded bonnet, full port outside screw and yoke(OS&Y)  
末端连接为法兰或对焊连接, 设计按BS5352  
Flange-welded or butt-welded ends; design to BS5352

## CL900-1500

规格(NPS)Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF), L1(BW)	-	-	216	229	254	279	305	368
手轮直径(mm)Handwheel diameter	W	-	-	125	125	160	180	200	220
中心高度(开)(mm)Height	H	-	-	191	192	219	257	296	316
流道孔径(mm)Flow port dimension	d	-	-	13.5	18	24	29	36.5	45
重量(kg)Weight		-	-	7.2	11.5	15.6	16.2	22.6	28.2

螺栓连接阀盖, 全径, 明杆支架(OS&Y)  
Bolted bonnet, full port, outside screw and yoke(OS&Y)  
末端连接为法兰或对焊连接, 设计按ASME B16.34  
Flange-welded or butt-welded ends; design to ASME B16.34

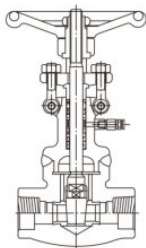
## CL2500

规格(NPS)Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF), L1(BW)	-	-	264	273	308	349	384	451
手轮直径(mm)Handwheel diameter	W	-	-	125	160	160	200	200	240
中心高度(开)(mm)Height	H	-	-	207	240	258	352	355	370
流道孔径(mm)Flow port dimension	d	-	-	13.5	13.5	19	24	30	36.5
重量(kg)Weight		-	-	19.5	21.5	42	42	65	95

压力自紧式密封闸阀, 全径, 明杆支架(OS&Y)  
Pressure seal gate valves, full port, outside screw and yoke(OS&Y)  
末端连接为法兰或对焊连接, 设计按ASME B16.34  
Flange-welded or butt-welded ends; design to ASME B16.34

## CL2500

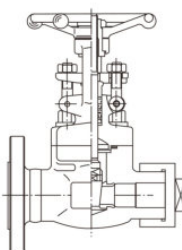
规格(NPS)Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF), L1(BW)	-	-	264	273	308	-	384	451
手轮直径(mm)Handwheel diameter	W	-	-	200	200	200	-	280	300
中心高度(开)(mm)Height	H	-	-	325	325	327	-	478	540
流道孔径(mm)Flow port dimension	d	-	-	13.5	13.5	19	-	30	36.5
重量(kg)Weight		-	-	14.6	16.8	17.6	-	25	31.9



- ※ 焊接阀盖
- ※ 明杆支架
- ※ 双填料
- ※ 隔环
- ※ 注脂阀
- ※ 刚性闸板
- ※ Welded bonnet
- ※ OS & Y
- ※ Packing
- ※ Distance ring
- ※ Injector sealing gum valves
- ※ Solid wedge

真空闸阀  
Vacuum gate valves

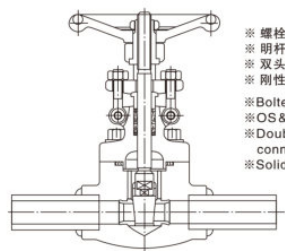
CLASS 800 API602-BS5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate 1975 psi @ 100° F	材料Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7



- ※ 螺栓阀盖
- ※ 明杆支架
- ※ 管帽连接
- ※ 刚性闸板
- ※ Bolted
- ※ OS & Y
- ※ Cap fitting connection
- ※ Solid wedge

放空导淋闸阀  
For venting and/or releasing media

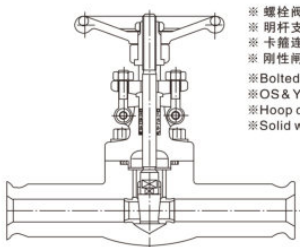
CLASS 800 API602-BS5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate 1975 psi @ 100° F	材料Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7



- ※ 螺栓阀盖
- ※ 明杆支架
- ※ 双头管接
- ※ 刚性闸板
- ※ Bolted bonnet
- ※ OS & Y
- ※ Double end pipe connection
- ※ Solid wedge

管接闸阀  
Coupling pipe valves

CLASS 800 API602-BS5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate 1975 psi @ 100° F	材料Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7



- ※ 螺栓阀盖
- ※ 明杆支架
- ※ 卡箍连接
- ※ 刚性闸板
- ※ Bolted bonnet
- ※ OS & Y
- ※ Hoop connection
- ※ Solid wedge

卡箍闸阀  
Hoop gate valves

CLASS 800 API602-BS5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate 1975 psi @ 100° F	材料Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7



Forged Steel Globe Valves  
锻钢截止阀系列



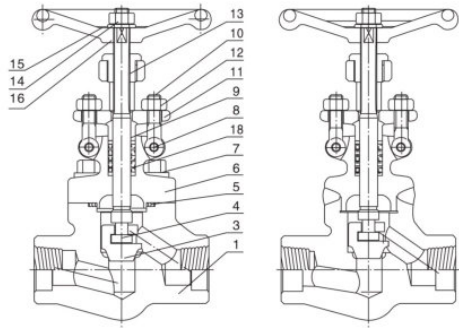
# 内螺纹与承插焊截止阀

Female threaded and socket welded globe valves



# 内螺纹与承插焊截止阀

Female threaded and socket welded globe valves



### 碳钢温压等级

Carbon steel temperature-pressure rate

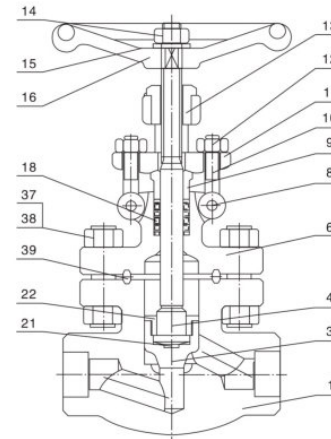
- CL150-285 P.S.I @ 100° F
- CL300-740 P.S.I @ 100° F
- CL600-1480 P.S.I @ 100° F
- CL800-1975 P.S.I @ 100° F
- CL1500-3705 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
8	销Pin	410	410	410	410	304	304	304
9	填料压套Gland	410	410	304	410	304	316	F51
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	填料压盖Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A197
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite

### 应用规范Application standards

- 1、设计制造Design and manufacture conform to: MSS SP-118;
- 2、连接端尺寸Connection ends conform to:
  - 1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 3、阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 4、结构特征Structure features:
  - 螺栓连接阀盖(B.B)和明杆支架(OS&Y)  
Bolted bonnet, outside screw and yoke
  - 或焊接阀盖(W.B)和明杆支架(OS&Y)  
Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy(合金)。



### 碳钢温压等级Carbon steel temperature-pressure rate

- CL150-285 P.S.I @ 100° F
- CL300-740 P.S.I @ 100° F
- CL600-1480 P.S.I @ 100° F
- CL800-1975 P.S.I @ 100° F
- CL1500-3705 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
8	销Pin	410	410	410	410	304	304	304
9	填料压套Gland	410	410	304	410	304	316	F51
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	填料压盖Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A197
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite
21	阀杆垫块Stem pad	420	420	420	420	316SH	316SH	316SH
22	阀瓣螺母Disc nut	410	410	410	410	410	410	410
37	双头螺栓Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
38	螺母Nut	2H	2H	8	8	8(M)	8(M)	8(M)
39	金属环Metal ring	304	304	304	304	316(L)	316(L)	F51

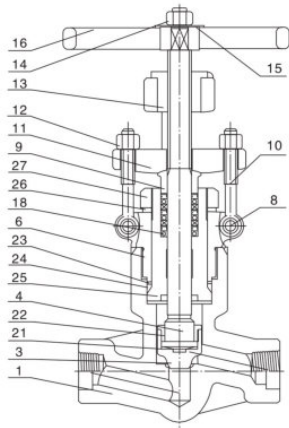
### 应用规范Application standards

- 1、设计制造Design and manufacture conform to: MSS SP-118;
- 2、连接端尺寸Connection ends conform to:
  - 1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 3、阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 4、结构特征Structure features:
  - 螺栓连接阀盖(B.B)和明杆支架(OS&Y)  
Bolted bonnet, outside screw and yoke
  - 或焊接阀盖(W.B)和明杆支架(OS&Y)  
Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy(合金)。

### 应用规范Application standards

- 设计制造Design and manufacture conform to: ASME B16.34;
- 连接端尺寸Connection ends conform to:
  - 承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 结构特征Structure features:
 

螺栓连接阀盖自紧式密封  
Threaded and pressure seal bonnet;  
Y型或T型结构Y type and T type
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials:  
A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F91; Monel; 20 Alloy (合金)。

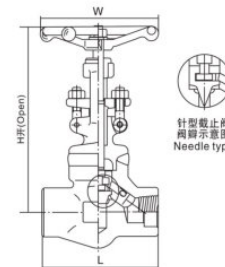
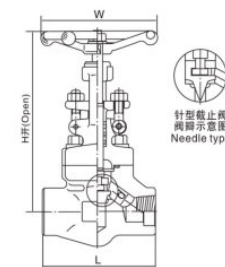
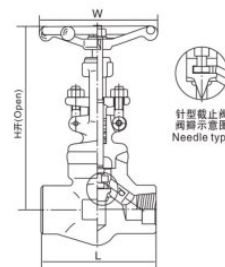
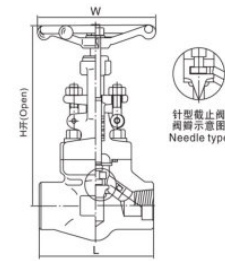


### 碳钢温压等级Carbon steel temperature-pressure rate

CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHF	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F91+HF
3	阀瓣Disc	410	410	304	410	304(L)	316(L)	410+HF
4	阀杆Stem	410	410	304	410	304(L)	316(L)	410
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
8	销Pin	410	410	410	410	304	304	410
9	填料压套Gland	410	410	304	410	304	316	410
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8
11	填料压盖Gland flange	A105	A105	LF2	F11	F304	F304	F91
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A197
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite
21	阀杆垫块Stem pad	420	420	420	420	316SH	316SH	420
22	阀瓣螺母Disc nut	410	410	410	410	304(L)	316(L)	410
23	密封垫片Seal gasket	420	420	304	304	304(L)	316(L)	316(L)
24	自密封圈P.S. ring	304	304	304	304	304	316	304
25	自密封座P.S. seat	420	420	304	304	304(L)	316(L)	F91
26	螺母垫片Nut pad	410	410	410	410	410	410	410
27	拉紧螺母Draw-in stud	碳钢Cast steel	碳钢Cast steel	碳钢Cast steel	碳钢Cast steel	不锈钢Stainless steel	不锈钢Stainless steel	碳钢Cast steel



螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
Bolted bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接可螺纹或承插焊, 设计按BS5352  
Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	220	-
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)Height	H	164	164	164	203	224	260	300	355	-
流通孔径(mm)Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg)Weight		1.9	2.28	2.37	4.3	5.75	7.8	12.5	17.5	-

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
Welded bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接可螺纹或承插焊, 设计按BS5352

### CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	220	-
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)Height	H	164	164	164	203	224	260	300	355	-
流通孔径(mm)Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg)Weight		1.7	1.7	1.9	3.3	5.2	6.8	10.6	13.8	-

螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
Bolted bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接可螺纹或承插焊, 设计按BS5352

### CL900-1500

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	92	92	111	120	152	172	200	220	-
手轮直径(mm)Handwheel diameter	W	100	100	125	160	160	180	200	240	-
中心高度(开)(mm)Height	H	171	271	207	240	258	330	355	370	-
流通孔径(mm)Flow port dimension	d	7	12	15	20	28	32	40	45	-
重量(kg)Weight		2.3	3.6	3.7	6.8	7.6	11.6	15	21.9	-

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
Welded bonnet, full port or reducing port outside screw and yoke(OS&Y)  
末端连接可螺纹或承插焊, 设计按BS5352

### CL900-1500

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	92	92	111	120	152	172	200	220	-
手轮直径(mm)Handwheel diameter	W	100	100	125	160	160	180	200	240	-
中心高度(开)(mm)Height	H	171	171	207	240	258	330	355	370	-
流通孔径(mm)Flow port dimension	d	7	12	15	20	28	32	40	45	-
重量(kg)Weight		2.2	3.3	3.4	5.6	6.0	10.3	14.2	18.0	-

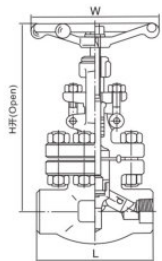


# 内螺纹与承插焊截止阀

Female threaded and socket welded globe valves

# 内螺纹与承插焊Y型截止阀

Female threaded and socket Y type welded globe valves

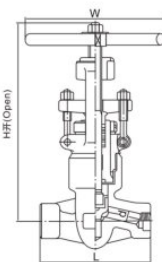


螺栓连接阀盖(RJ), 全径, 明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊, 设计按BS5352

### CL900-1500

Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	F.P.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	111	120	152	172	210	220	235
手轮直径(mm)Handwheel diameter	W	110	110	130	180	210	210	250
中心高度(开)(mm)Height	H	227	227	300	307	400	400	448
流道孔径(mm)Flow port dimension	d	9	12	15	20		32	40
重量(kg)Weight		5	5	10	11.5		22	37

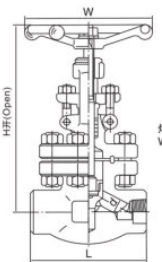


压力自紧式连接阀盖, 全径, 明杆支架(OS&Y)  
Pressure seal bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊, 设计按BS5352

### CL900-1500

Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	F.P.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	140	140	140	178	178	216	-
手轮直径(mm)Handwheel diameter	W	200	200	200	280	280	300	-
中心高度(开)(mm)Height	H	320	320	320	440	440	490	-
流道孔径(mm)Flow port dimension	d	12	15	20	28	32	40	-
重量(kg)Weight		10.8	10.5	11.5	19.6	21.1	55.4	-

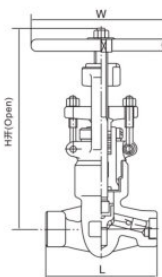


螺栓连接阀盖(RJ), 全径, 明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊, 设计按BS5352

### CL2500

Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	F.P.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	120	120	152	172	210	220	-
手轮直径(mm)Handwheel diameter	W	130	130	130	-	300	300	-
中心高度(开)(mm)Height	H	293	300	390	-	435	435	-
流道孔径(mm)Flow port dimension	d	11	14	19	-	28	35	-
重量(kg)Weight		10	10.3	22.4	-	38	38	-

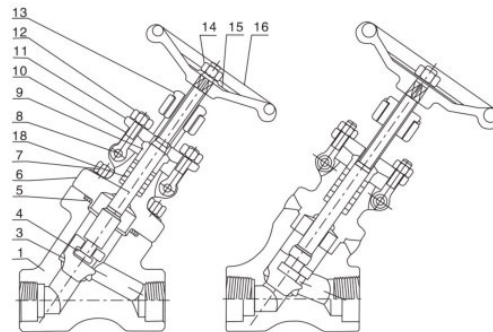


压力自紧式连接阀盖, 全径, 明杆支架(OS&Y)  
Pressure seal bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊, 设计按ASME B16.34

### CL2500

Threaded, butt-welded or socket welded ends; design to ASME B16.34

规格(NPS)Specification	F.P.	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	186	186	186	232	232	279	-
手轮直径(mm)Handwheel diameter	W	200	200	200	280	280	300	-
中心高度(开)(mm)Height	H	375	378	380	490	490	540	-
流道孔径(mm)Flow port dimension	d	11	14	19	25	28	35	-
重量(kg)Weight		10.8	11.6	12.3	26.0	28.4	60	-



### 碳钢温压等级

Carbon steel temperature-pressure rate

- CL150-285 P.S.I @ 100° F
- CL300-740 P.S.I @ 100° F
- CL600-1480 P.S.I @ 100° F
- CL800-1975 P.S.I @ 100° F
- CL1500-3705 P.S.I @ 100° F

### 应用规范Application standards

- 设计制造Design and manufacture conform to: BS5352 MSS SP-118;
- 连接端尺寸Connection ends conform to:
  - 承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 结构特征Structure features:
  - 螺栓连接阀盖(B.B)和明杆支架(OS&Y)  
Bolted bonnet, outside screw and yoke
  - 或焊接阀盖(W.B)和明杆支架(OS&Y)  
Welded bonnet, outside screw and yoke
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20Alloy(合金)。

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
8	销Pin	410	410	410	410	304	304	304
9	填料压套Gland	410	410	304	410	304	316	F51
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	填料压板Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A197
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite

# Y型截止阀

## Y Type globe valves

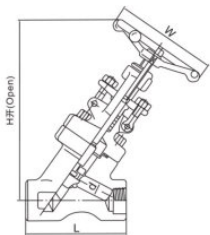
# Y型截止阀

## Y Type globe valves

螺栓连接阀盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet, full port or reducing port, outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊，设计按BS5352  
Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

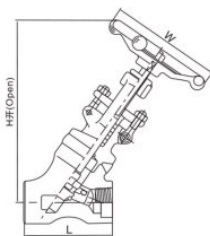
规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	98	98	111	111	140	140	155	170	-
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)Height	H	180	180	180	188	280	280	295	350	-
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg)Weight		2.6	2.6	3.8	4.6	9.3	9.3	14	19.6	-



螺栓连接阀盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet, full port or reducing port, outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊，设计按BS5352  
Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

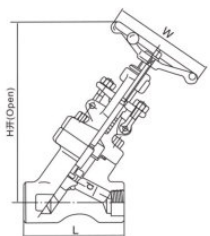
规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	98	111	120	140	140	170	170	-
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)Height	H	198	198	198	207	280	280	295	350	-
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg)Weight		1.8	1.8	2.0	3.5	8.0	8.0	12	16	-



螺栓连接阀盖，全径，明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊，设计按BS5352  
Threaded, butt-welded or socket welded ends; design to BS5352

### CL900-1500

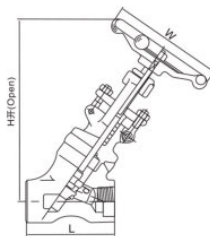
规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	140	140	140	140	178	178	216	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	-
中心高度(开)(mm)Height	H	175	175	215	215	254	305	305	-
流道孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40	-
重量(kg)Weight		2.6	4.6	4.6	9.3	9.3	14	19.6	-



螺栓连接阀盖，全径，明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke(OS&Y)  
末端连接为螺纹或承插焊，设计按BS5352  
Threaded, butt-welded or socket welded ends; design to BS5352

### CL900-1500

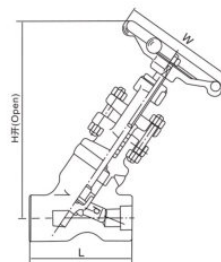
规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	140	140	186	140	178	178	216	-
手轮直径(mm) Handwheel diameter	W	100	125	200	160	160	180	200	-
中心高度(开)(mm)Height	H	175	207	380	280	280	295	350	-
流道孔径(mm) Flow port dimension	d	9	12	19	20	28	32	40	-
重量(kg)Weight		1.8	3.5	12.3	8.0	8.0	12	16	-



螺栓连接阀盖，全径，明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke(OS&Y)  
末端连接为焊接承插连接，设计按ASME 16.34  
Socket welded ends, design conform to ASME 16.34

### CL2500

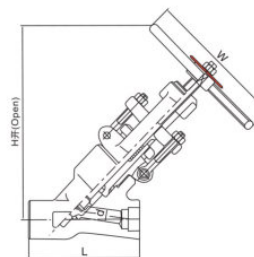
规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	186	186	186	186	232	232	279
手轮直径(mm) Handwheel diameter	W	200	200	200	200	280	280	300
中心高度(开)(mm)Height	H	329	329	329	329	350	350	383
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量(kg)Weight		10.8	11.6	12.3	12.3	28.0	26.4	43.8



压力自紧式密封阀盖，全径，明杆支架(OS&Y)  
Pressure seal bonnet, full port outside screw and yoke(OS&Y)  
末端连接为焊接承插连接，设计按ASME 16.34  
Socket welded ends, design conform to ASME 16.34

### CL2500

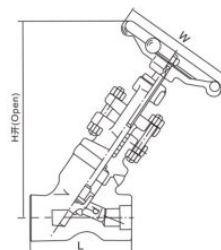
规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	186	186	186	186	232	232	279
手轮直径(mm) Handwheel diameter	W	200	200	200	200	280	280	300
中心高度(开)(mm)Height	H	333	333	333	333	406	406	524
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量(kg)Weight		10.8	11.6	12.3	12.3	28.0	26.4	43.8



焊接自紧式密封阀盖，全径，明杆支架(OS&Y)  
Welded seal bonnet, full port outside screw and yoke(OS&Y)  
末端连接为焊接承插连接，设计按ASME 16.34  
Socket welded ends, design conform to ASME 16.34

### CL4500

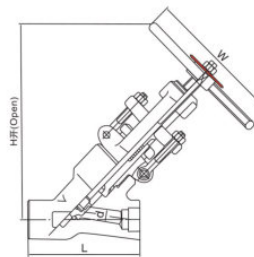
规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	155	155	155	155	-	225	225
手轮直径(mm) Handwheel diameter	W	220	220	220	220	-	300	320
中心高度(开)(mm)Height	H	350	350	350	380	-	453	453
流道孔径(mm) Flow port dimension	d	9	11	11	15	-	26	28
重量(kg)Weight		9.4	9.6	9.6	10.5	-	34	36



压力自紧式密封阀盖，全径，明杆支架(OS&Y)  
Pressure seal bonnet, full port outside screw and yoke(OS&Y)  
末端连接为焊接承插连接，设计按ASME 16.34  
Socket welded ends, design conform to ASME 16.34

### CL4500

规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	200	200	200	200	250	250	330
手轮直径(mm) Handwheel diameter	W	280	280	280	280	300	300	320
中心高度(开)(mm)Height	H	400	400	400	400	460	460	540
流道孔径(mm) Flow port dimension	d	9	11	11	15	20	26	28
重量(kg)Weight		30	30	30	30	30	36	58



螺栓连接阀盖，缩径，明杆支架(OS&Y)  
 Bolted bonnet, reducing port, outside screw and yoke(OS&Y)  
 末端连接为连接法兰或对焊连接，设计按BS5352  
 Flange or butt-welded ends, design to BS5352

### CL150-300-600

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF)	-	-	108	117	127	140	165	203
	CL300	L1(BW)	-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
手轮直径(mm) Handwheel diameter	W		-	-	100	100	125	160	180	180
中心高度(开)(mm) Height	CL150, CL300	H	-	-	180	184	217	224	260	300
	CL600		-	-	164	164	203	224	260	300
流道孔径(mm) Flow port dimension	d		-	-	9	13	17.5	23	30	35
重量(kg) Weight	CL150	RF	-	-	3.45	4.00	6.19	9.6	10.5	17
		BW	-	-	2.3	3.6	7.8	8.2	12.0	15.0
	CL300	RF	-	-	3.8	5.1	7.2	12	13.5	19.7
		BW	-	-	2.8	4.0	8.5	9.2	12.6	16.8
	CL600	RF	-	-	5.6	7.8	12.5	17	23.5	38.8
		BW	-	-	3.4	4.7	9.2	10.5	13.3	18.9

注：如需法兰和阀体一体式锻造的请与销售人员联系。  
 Flange Integrity Forged Steel Valve enquiry please contact sales department.

螺栓连接阀盖(RJ)，缩径，明杆支架(OS&Y)  
 Bolted bonnet, reducing port outside screw and yoke(OS&Y)  
 末端连接为连接法兰或对焊连接，设计按BS5352  
 Flange or butt-welded ends design to BS5352

### CL900-1500

规格(NPS)Specification		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)		-	-	216	229	254	279	305	368
	L(RTJ)		-	-	216	229	254	279	305	371
手轮直径(mm) Handwheel diameter	W		-	-	125	125	160	160	180	200
中心高度(开)(mm) Height	H		-	-	207	207	230	160	300	355
流道孔径(mm) Flow port dimension	d		-	-	12	15	20	28	32	40
重量(kg) Weight			-	-	11	13.2	17.4	19	24.5	31

螺栓连接阀盖(RJ)，缩径，明杆支架(OS&Y)  
 Bolted bonnet, reducing port, outside screw and yoke(OS&Y)  
 末端连接为连接法兰或对焊连接，设计按ASME B16.34  
 Flange or butt-welded ends, design to ASME B16.34

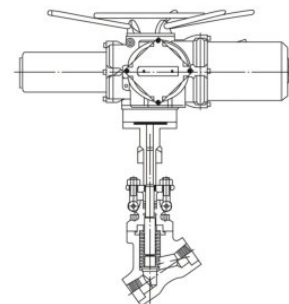
### CL2500

规格(NPS)Specification		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)		-	-	264	273	308	349	384	451
	L(RTJ)		-	-	264	273	308	349	387	454
手轮直径(mm) Handwheel diameter	W		-	-	125	160	200	280	250	240
中心高度(开)(mm) Height	H		-	-	207	240	258	440	355	300
流道孔径(mm) Flow port dimension	d		-	-	11	14	19	25	28	35
重量(kg) Weight			-	-	19.5	21.5	42	48.1	65	95

压力自紧式密封阀盖，全径，明杆支架(OS&Y)  
 Pressure seal bonnet, full port outside screw and yoke(OS&Y)  
 末端连接为焊接法兰或对焊连接，设计按ASME B16.34  
 Welding flange or butt-welded ends, design to ASME B16.34

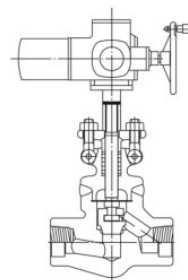
### CL2500

规格(NPS)Specification		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)		-	-	264	273	308	349	384	451
	L(RTJ)		-	-	264	273	308	349	387	454
手轮直径(mm) Handwheel diameter	W		-	-	200	200	280	280	280	300
中心高度(开)(mm) Height	H		-	-	320	320	320	440	440	490
流道孔径(mm) Flow port dimension	d		-	-	11	14	19	25	28	35
重量(kg) Weight			-	-	21.5	24.7	30.4	48.1	58.1	130



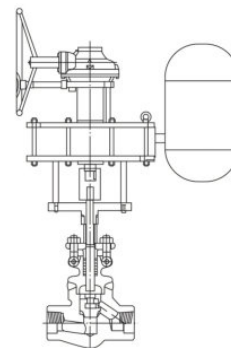
电动装置  
Electric actuator

CLASS	材料Materials
150-2500	碳钢Carbon steel 不锈钢Stainless steel



电动装置  
Electric actuator

CLASS	材料Materials
150-2500	碳钢Carbon steel 不锈钢Stainless steel



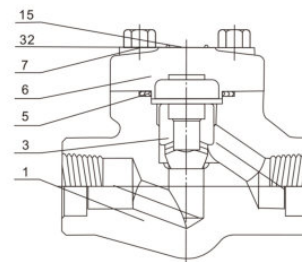
气动装置  
Pneumatic actuator

CLASS	材料Materials
150-2500	碳钢Carbon steel 不锈钢Stainless steel

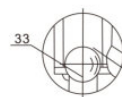


## 内螺纹与承插焊止回阀

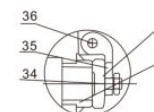
Female threaded and socket welded check valves



如要加载弹簧需在定货单中注明  
Please mark in you order if you need spring loaded



球型止回阀示意图  
Ball type



旋启式止回阀示意图  
Swing type

### 应用规范Application standards

- 设计制造Design and manufacture conform to:  
BS5352、MSS SP-118;
- 连接尺寸Connection ends conform to:  
1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751  
2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306  
3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224  
4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to:  
API 598, GB/T13927, JB/T9092
- 结构特征Structure features:  
螺栓连接阀盖(B.B) Bolted bonnet
- 材料按Materials conform to ANSI/ASTM的规定。  
主体材料Main materials:  
A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy (合金)。

## Forged Steel Check Valves

### 锻钢止回阀系列



### 碳钢温压等级Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100° F CL300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100° F  
CL800-1975 P.S.I @ 100° F CL1500-3705 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	430	430	304	STL	316(L)	316(L)	STL
34	阀瓣螺母Disc nut	2H	2H	8	8	8(M)	8(M)	8M
35	摇臂Hinge	410	410	304	410	316(L)	316(L)	F51
36	销Pin	410	410	304	410	304(L)	316(L)	F51

# 内螺纹与承插焊止回阀

Female threaded and socket welded check valves



# 内螺纹与承插焊止回阀

Female threaded and socket welded check valves

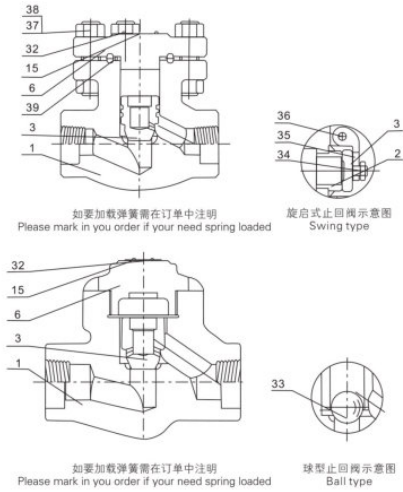


### 应用规范Application standards

- 1、设计制造Design and manufacture conform to: BS5352、MSS SP-118;
- 2、连接尺寸Connection ends conform to:
  - 1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 3、阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 4、结构特征Structure features:
 

体盖连接垫片采用金属环(RJ)  
Gasket for bonnet connect adopt metal ring

螺栓连接阀盖(B.B)焊接阀盖(W.B)  
Bolted bonnet, Welded bonnet
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy (合金).

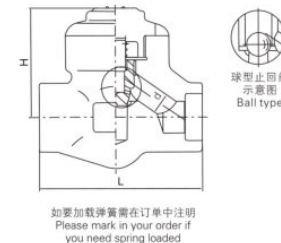
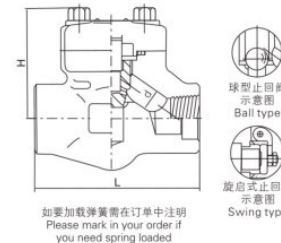
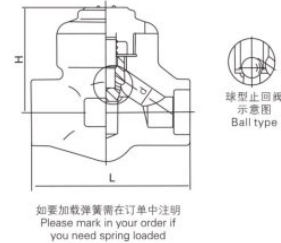
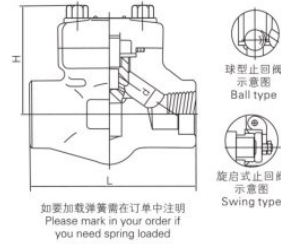


### 碳钢温压等级Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100° F CL300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100° F  
CL800-1975 P.S.I @ 100° F CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Revit	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	430	430	304	STL	316(L)	316(L)	STL
34	阀瓣螺母Disc nut	2H	2H	8	8	8(M)	8(M)	8M
35	摇臂Hinge	410	410	304	410	316(L)	316(L)	F51
36	销Pin	410	410	304	410	304(L)	316(L)	F51
37	双头螺栓Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
38	螺母nut	2H	2H	8	8	8(M)	8(M)	8(M)
39	金属环Metal ring	304	304	304	304	304(L)	316(L)	F51



螺栓阀盖，缩径和全径。

末端连接为螺纹或承插焊或对焊，设计按BS5352

Bolted bonnet, full port or reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2		
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	升降式 Lift	79	79	92	111	120	152	172	220
		旋启式 Swing	79	79	92	111	120	120	140	178
中心高度(开)(mm)Height	H	升降式 Lift	61	61	61	78	84	84	118	132
		旋启式 Swing	61	61	61	78	84	84	120	133
流道孔径(mm) Flow port dimension	d	升降式 Lift	7	9	13	17.5	23	30	35	46
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5	45
重量(kg)Weight		升降式 Lift	1.2	1.5	1.7	3.3	4.2	4.2	10.5	12.5
		旋启式 Swing	1.4	1.5	1.7	3.3	4.2	4.2	8.5	10.9

焊接阀盖，缩径和全径。

末端连接为螺纹或承插焊或对焊，设计按BS5352

Welded bonnet, full port or reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	220
中心高度(开)(mm)Height	H	61	61	61	78	84	103	118	132
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46
重量(kg)Weight		1.2	1.3	1.5	3.0	3.9	6.0	10	12

螺栓阀盖，缩径和全径。

末端连接为螺纹或承插焊，设计按BS5352

Bolted bonnet, full port or reducing port.

Threaded, butt-welded or socket welded ends; design to BS5352

### CL900-1500

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	升降式 Lift	92	92	111	120	152	172	220	-
		旋启式 Swing	92	111	111	120	120	140	178	-
中心高度(开)(mm)Height	H	升降式 Lift	61	78	78	84	103	118	132	-
		旋启式 Swing	61	78	78	84	101	120	133	-
流道孔径(mm) Flow port dimension	d	升降式 Lift	7	12	15	20	28	32	40	-
		旋启式 Swing	8	10.5	13.5	18	24	29	45	-
重量(kg)Weight		升降式 Lift	1.5	3.4	3.3	4.2	6.3	10.5	12.5	-
		旋启式 Swing	1.5	3.3	3.4	4.2	5.0	8.5	10.9	-

焊接阀盖，缩径和全径。

末端连接为螺纹或承插焊，设计按BS5352

Welded bonnet, full port or reducing port

Threaded, butt-welded or socket welded ends; design to BS5352

### CL900-1500

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	92	92	111	120	152	172	220	-
中心高度(开)(mm)Height	H	61	78	78	84	103	118	132	-
流道孔径(mm) Flow port dimension	d	7	12	15	20	28	32	40	-
重量(kg)Weight		1.3	3.1	3.1	3.9	5.8	10.0	11.5	-

# 内螺纹与承插焊止回阀

Female threaded and socket welded check valves

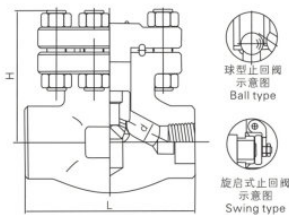
# 锻钢止回阀

Forged steel check valves

螺栓阀盖，缩径和全径。  
末端连接为螺纹或承插焊，设计按BS5352  
Bolted bonnet, full port or reducing port

CL900-1500 Threaded, butt-welded or socket welded ends; design to BS5352

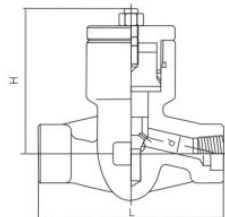
规格(NPS)Specification	F.P.	-	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	-	92	92	92	111	120	152	172	220
中心高度(开)(mm)Height	H	-	166	166	171	207	240	258	330	355
流道孔径(mm) Flow port dimension	d	升降式 Lift	9	10	12	15	20	28	32	40
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5	45
重量(kg)Weight		升降式 Lift	2	2.1	1.9	4	5.1	7.2	12.1	14
		旋启式 Swing	1.9	2.3	2.3	4.35	5.25	7.8	12.5	14.6



压力自紧式阀盖，缩径和全径。  
末端连接为螺纹或承插焊，设计按BS5352  
Pressure seal bonnet, full port or reducing port

CL900-1500 Threaded, butt-welded or socket welded ends; design to BS5352

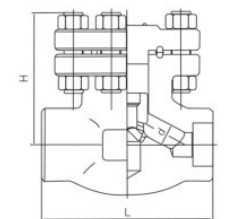
规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	-	140	140	140	178	178	216	-	-
中心高度(开)(mm)Height	H	-	117	117	117	152	195	195	-	-
流道孔径(mm) Flow port dimension	d	-	12	15	20	28	32	40	-	-
重量(kg)Weight		-	6.8	7.0	7.5	18.5	20.3	22	-	-



螺栓阀盖，全径。  
末端连接为螺纹或承插焊，设计按ASME B16.34  
Bolted bonnet, full port

CL2500 Threaded, butt-welded or socket welded ends; design to ASME B16.34

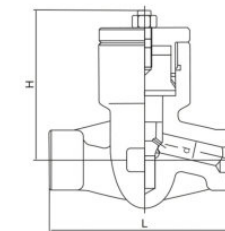
规格(NPS)Specification	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	186	186	186	186	186	232	232	-
中心高度(开)(mm)Height	H	166	166	171	207	240	258	330	-
流道孔径(mm) Flow port dimension	d	7.5	10.5	11	14	19	25	28	-
重量(kg)Weight		11.9	12.3	17	46	62	73	58	-



压力自紧式阀盖，全径。  
末端连接为螺纹或承插焊，设计按ASME B16.34  
Pressure seal bonnet, full port

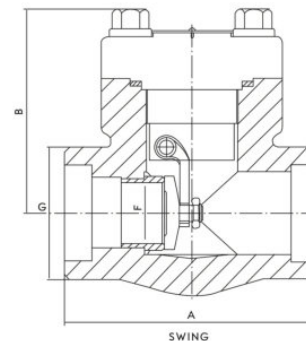
CL900-1500 Threaded, butt-welded or socket welded ends; design to ASME B16.34

规格(NPS)Specification	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	-	-	186	186	186	232	232	279
中心高度(开)(mm)Height	H	-	-	117	117	117	152	152	195
流道孔径(mm) Flow port dimension	d	-	-	11	14	19	25	28	35
重量(kg)Weight		-	-	10.5	11	11.8	23	26.4	39



## 应用规范 Application standards

- 1、设计制造 Design and manufacture conform to:API 602;
- 2、连接端尺寸 Connection ends conform to:
  - 1)承插口尺寸按 Socket welded dimension conform to ANSI B16.11
  - 2)螺纹端尺寸按 Screw ends dimension conform to ANSI B1.20.1
- 3、阀门检查和试验 Test and inspection conform to:API 598
- 4、结构特征 Structure features:
  - 螺栓连接阀盖(B.B)
  - Bolted bonnet
- 5、材料按 Materials conform to ANSI/ASTM的规定。
- 6、主体材料 Main materials:
  - A105; F5; F9; F11; F22; F91; F304;
  - F304L; F316; F316L; F321; LF2 ect.



## CLASS-800

CLASS 800															
REDUCED BORE								FULL BORE							
Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	79	79	79	92	111	120	120	140	A	92	111	120	120	140	160
B	54.5	54.5	54.5	54.5	72	81	94	112	B	54.5	72	81	94	112	132
F	8	13	13	13	18	24	29	36.8	F	13	18	24	29	36.8	48
G	34	34	34	40	49	58	64	78	G	40	49	58	64	78	78
Weight(kg)	1.3	1.3	1.2	1.7	2.4	4.0	5.1	8.8	Weight(kg)	1.7	2.3	3.9	5.0	8.7	15.3

## CLASS-1500

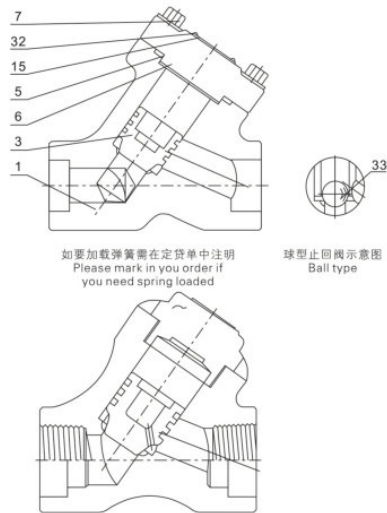
CLASS 1500															
REDUCED BORE								FULL BORE							
Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	79	79	92	111	120	120	140	160	A	111	120	120	140	160	220
B	73	73	73	73	84	97	115	132	B	73	84	97	115	132	132
F	6.8	10	13	13	18	24	29	36.8	F	13	18	24	29	36.8	48
G	34	34	34	40	49	58	64	78	G	40	49	58	64	78	88
Weight(kg)	2.2	2.0	2.2	2.7	4.4	6.3	10.3	15.3	Weight(kg)	2.7	4.3	6.2	10.2	15.3	16.7

# 内螺纹焊接Y型止回阀

Female threaded and welded Y type check valves

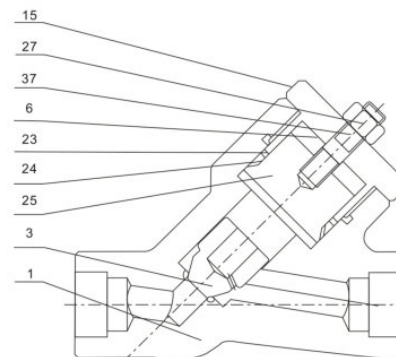
# Y型自密封止回阀

Y Type pressure sealing check valves



### 应用规范Application standards

- 1、设计制造Design and manufacture conform to: BS5352、MSS SP-118;
- 2、连接尺寸Connection ends conform to:
  - 1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 3、阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 4、结构特征Structure features: 螺栓连接阀盖(B.B)焊接阀盖(W.B) Bolted bonnet, Welded bonnet
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy (合金).



### 应用规范Application standards

- 1、设计制造Design and manufacture conform to: ASME B16.34 MSS SP-118;
- 2、连接尺寸Connection ends conform to:
  - 1)承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 3、阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 4、结构特征Structure features: 螺纹连接阀盖压力自紧式密封; Y型或T型结构 Threaded and pressure seal bonnet; Y type and T type
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy (合金).

### 碳钢温压等级Carbon steel temperature-pressure rate

CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F CL4500-1111 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
3	阀瓣Disc	410	410HF	304	410HF	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Revit	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	430	430	304	STL	316(L)	316(L)	STL

### 碳钢温压等级Carbon steel temperature-pressure rate

CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F CL4500-1111 P.S.I @ 100° F

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
23	密封圈垫片 Seal ring gasket	420	420	304	304	304(L)	316(L)	410
24	自密封圈 P.S. ring	304	304	304	304	316L	316L	316L
25	自密封座 P.S. seat	F410	F410	F304	F410	F304	F316	F51
27	提升螺母 Lift nut	2H	2H	8	8	8(M)	8(M)	8M
37	提升螺栓 Lift stud	B7	B7	L7	B16	B8(M)	B8(M)	B8M

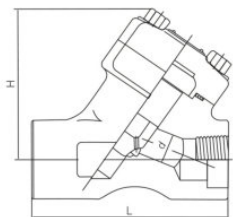
# Y型止回阀

## Y Type check valves

# Y型自密封止回阀

## Y Type check valves

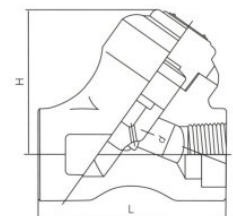
螺栓阀盖，缩径和全径。  
末端连接为螺纹或承插焊或对焊，设计按BS5352  
Bolted bonnet, full port or reducing port  
Threaded, butt-welded or socket welded ends; design to BS5352



CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	98	98	98	111	140	140	155	170	-
中心高度(开)(mm)Height	H	70	70	70	100	110	120	120	150	-
流道孔径(mm) Flow port dimension	d	7	10	13	17.5	23	30	35	46	-
重量(kg)Weight		2.1	2.2	2.2	4.2	8.9	9	10	18.6	-

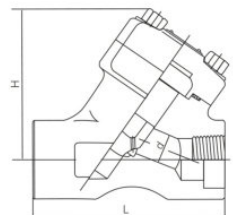
焊接阀盖，缩径和全径。  
末端连接为螺纹或承插焊或对焊，设计按BS5352  
Welded bonnet, full port or reducing port  
Threaded, butt-welded or socket welded ends; design to BS5352



CL800

规格(NPS) Specification	R.P.	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P.	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	100	140	140	170	170	-
中心高度(开)(mm)Height	H	65	65	65	95	105	110	110	140	-
流道孔径(mm) Flow port dimension	d	7	10	13	17.5	23	30	35	46	-
重量(kg)Weight		1.8	1.8	2.0	3.5	8.0	8.0	12	16	-

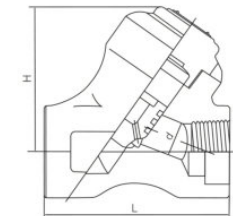
螺栓阀盖，全径。  
末端连接为螺纹或承插焊或对焊，设计按BS5352  
Bolted bonnet, full port  
Threaded, butt-welded or socket welded ends; design to BS5352



CL900-1500

规格(NPS)Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	98	111	111	140	140	155	170
中心高度(开)(mm)Height	H	70	70	100	110	110	120	150
流道孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40
重量(kg)Weight		2.1	4.2	8.9	9	10	18.6	20

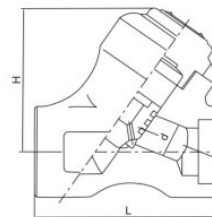
焊接阀盖，全径。  
末端连接为螺纹或承插焊或对焊，设计按BS5352  
Welded bonnet, full port  
Threaded, butt-welded or socket welded ends; design to BS5352



CL900-1500

规格(NPS)Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	92	100	100	140	140	155	170
中心高度(开)(mm)Height	H	65	65	65	105	110	110	140
流道孔径(mm) Flow port dimension	d	9	12	15	20	32	28	40
重量(kg)Weight		2.0	3.5	3.5	8.0	12	12	18

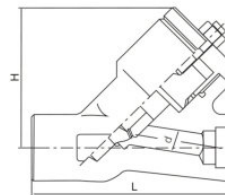
焊接阀盖，全径。  
末端连接为螺纹或承插焊或对焊，设计按ASME B16.34  
Welded bonnet, full port  
Threaded, butt-welded or socket welded ends; design to ASME B16.34



CL2500

规格(NPS)Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	186	186	186	186	232	232	310
中心高度(开)(mm)Height	H	115	115	120	150	150	150	160
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量(kg)Weight		10.6	10.8	11.2	11.5	25	22	39

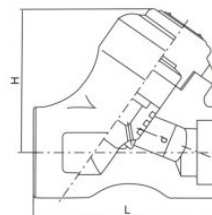
压力自紧式密封，螺纹连接阀盖，全径。  
末端连接为螺纹或承插焊或对焊，设计按ASME B16.34  
Pressure seal, bolted bonnet, full port  
Threaded, butt-welded or socket welded ends; design to ASME B16.34



CL2500

规格(NPS)Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	186	186	186	186	232	232	310
中心高度(开)(mm)Height	H	233	233	233	233	256	256	330
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量(kg)Weight		10.6	10.8	11.2	11.5	25	22	39

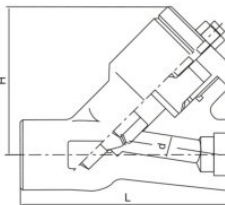
焊接阀盖，全径。  
末端连接为螺纹或承插焊或对焊，设计按ASME B16.34  
Welded bonnet, full port  
Threaded, butt-welded or socket welded ends; design to ASME B16.34



CL4500

规格(NPS)Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	155	155	155	155	-	225	225
中心高度(开)(mm)Height	H	120	120	120	145	-	160	160
流道孔径(mm) Flow port dimension	d	9	11	11	15	-	26	28
重量(kg)Weight		8	8.7	8.7	8.7	-	16.5	16

压力自紧式密封，螺纹连接阀盖，全径。  
末端连接为螺纹或承插焊或对焊，设计按ASME B16.34  
Pressure seal, threaded bonnet, full port  
Threaded, butt-welded or socket welded ends; design to ASME B16.34



CL4500

规格(NPS)Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	200	200	200	200	250	250	330
中心高度(开)(mm)Height	H	140	140	140	140	160	160	180
流道孔径(mm) Flow port dimension	d	9	11	11	15	20	26	28
重量(kg)Weight		20	20	20	20	28	28	45



# 法兰与对焊止回阀

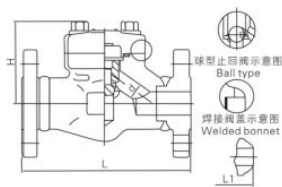
## Flange and butt-welded check valves

# 法兰与对焊止回阀

## Flange and butt-welded check valves

螺栓阀盖，缩径。末端连接法兰或对焊，设计按BS5352  
Bolted bonnet, reducing port  
Flange or butt-welded ends; design to BS5352

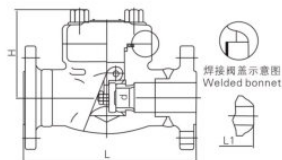
### CL150-300-600



规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
中心高度(开)(mm) Height	CL150	H	-	-	77	81	93	95	103	118
	CL300, CL600		-	-	61	78	84	101	120	133
流道孔径(mm)Flow port dimension		d	-	-	10	13	17.5	23	30	35
重量(kg) Weight	CL150	RF	-	-	3.6	4.6	8.5	9.2	12.5	14.8
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL300	RF	-	-	3.7	4.8	8.8	9.6	13.7	17.8
		BW	-	-	3.2	4.3	8.0	8.6	12.7	16.2
	CL600	RF	-	-	4.0	5.8	9.5	10.4	15.6	24.5
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5

螺栓阀盖，缩径。末端连接法兰或对焊，设计按BS5352  
Bolted bonnet, reducing port  
Flange or butt-welded ends; design to BS5352

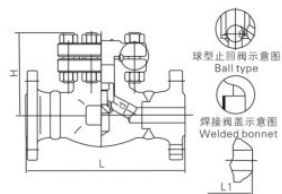
### CL150-300-600



规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
中心高度(开)(mm) Height	CL150	H	-	-	77	81	93	95	103	118
	CL300, CL600		-	-	61	78	84	101	120	133
流道孔径(mm)Flow port dimension		d	-	-	10	13	17.5	23	30	35
重量(kg) Weight	CL150	RF	-	-	3.6	4.6	8.5	9.2	12.5	14.8
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL300	RF	-	-	3.7	4.8	8.8	9.6	13.7	17.8
		BW	-	-	3.2	4.3	8.0	8.6	12.7	16.2
	CL600	RF	-	-	4.0	5.8	9.5	10.4	15.6	24.5
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5

螺栓阀盖，缩径。末端连接法兰或对焊，设计按BS5352  
Bolted bonnet, reducing port  
Flange or butt-welded ends; design to BS5352

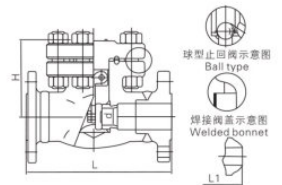
### CL150-300-600



规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
中心高度(开)(mm) Height	CL150	H	-	-	77	81	93	95	103	118
	CL300, CL600		-	-	61	78	84	101	120	133
流道孔径(mm)Flow port dimension		d	-	-	10	13	17.5	23	30	35
重量(kg) Weight	CL150	RF	-	-	3.2	3.5	4.6	5.2	7.0	16
		BW	-	-	2.8	3.0	4.0	4.6	6.3	15
	CL300	RF	-	-	4.6	6.1	9.1	12	16	21
		BW	-	-	4.1	5.7	8.4	11.2	14.5	19.5
	CL600	RF	-	-	4.8	6.3	9.3	13	16.5	22
		BW	-	-	4.4	5.9	8.7	12.1	15.8	20.8

螺栓阀盖，缩径。末端连接法兰或对焊，设计按BS5352  
Bolted bonnet, reducing port  
Flange or butt-welded ends; design to BS5352

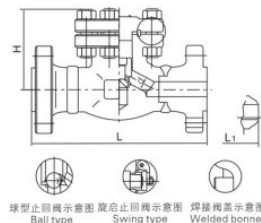
### CL150-300-600



规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
中心高度(开)(mm) Height	CL150	H	-	-	77	81	93	95	103	118
	CL300, CL600		-	-	61	78	84	101	120	133
流道孔径(mm)Flow port dimension		d	-	-	10.5	13.5	18	24	29	36.5
重量(kg) Weight	CL150	RF	-	-	3.6	4.6	8.5	9.2	12.5	14.8
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL300	RF	-	-	3.7	4.8	8.8	9.6	13.7	17.8
		BW	-	-	3.2	4.3	8.0	8.6	12.7	16.2
	CL600	RF	-	-	4.0	5.8	9.5	10.4	15.6	24.5
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5

螺栓阀盖，全径。  
Bolted bonnet, full port  
Flange or butt-welded ends; design to BS5352

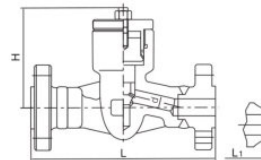
### CL900-1500



规格(NPS)Specification		F.P	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face		L(RJ), L1(BW)	216	229	254	279	305	371
中心高度(开)(mm)Height		H	81	93	95	101	118	130
流道孔径(mm) Flow port dimension	d	升降式 Lift	12	15	20	28	32	40
		旋启式 Swing	13.5	18	24	29	36.5	45
重量(kg)Weight		升降式 Lift	5.2	6.8	10.5	28	18	24
		旋启式 Swing	5.0	6.1	10.8	29	17.6	27

压力自紧式，螺纹连接阀盖，缩径和全径。  
末端连接法兰或对焊，设计按BS5352  
Pressure seal, threaded bonnet, full port or reducing port  
Flange or butt-welded ends; design to BS5352

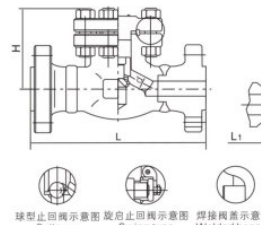
### CL900-1500



规格(NPS)Specification		F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face		L(RTJ)	-	216	229	254	280	305	371
中心高度(开)(mm)Height		H	-	117	117	117	152	152	195
流道孔径(mm) Flow port dimension		d	-	12	15	20	28	32	40
重量(kg)Weight			-	10.5	11.9	13.9	19.9	26.9	32.5

螺栓阀盖，全径。  
末端连接法兰或对焊，设计按ASME B16.34  
Bolted bonnet, full port  
Flange or butt-welded ends; design to ASME B16.34

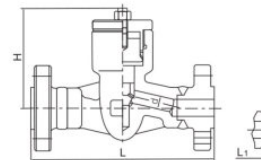
### CL2500



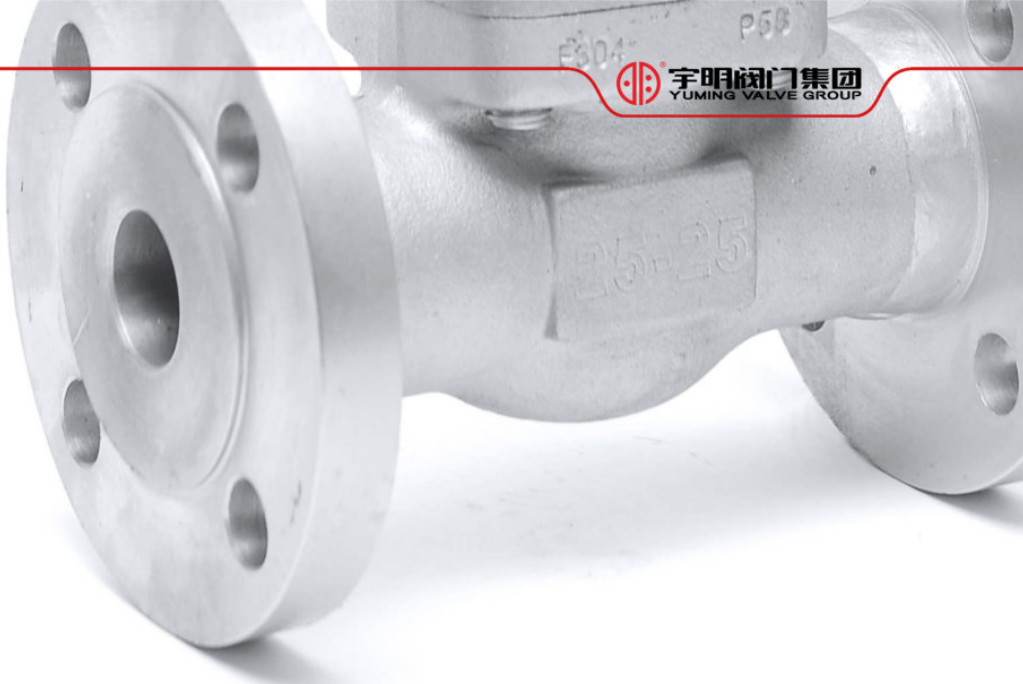
规格(NPS)Specification		F.P	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RJ), L1(BW)	L(RTJ)	264	273	308	349	384	451
		L(RTJ)	264	273	308	352	387	454
中心高度(开)(mm)Height		H	81	93	95	101	118	130
流道孔径(mm) Flow port dimension	d	升降式 Lift	12	15	20	28	32	40
		旋启式 Swing	10.5	13.5	18	24	29	36.5
重量(kg)Weight		升降式 Lift	17	21	28	14.5	58	85
		旋启式 Swing	5.0	6.1	10.8	11.2	17.6	27

压力自紧式，螺纹连接阀盖，全径。  
末端连接法兰或对焊，设计按BS5352  
Pressure seal, threaded bonnet, full port  
Flange or butt-welded ends; design to BS5352

### CL2500

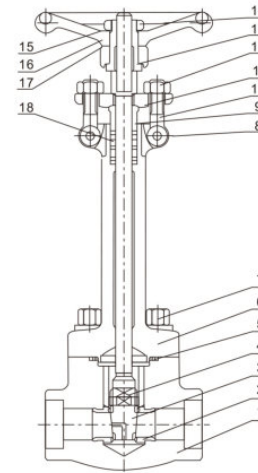


规格(NPS)Specification		F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face		L(RTJ)	-	264	273	308	352	387	454
中心高度(开)(mm)Height		H	-	117	117	117	152	152	195
流道孔径(mm) Flow port dimension		d	-	12	15	20	32	28	40
重量(kg)Weight			-	12.6	14.9	16.5	24.8	30	35



## Forged Steel Cryogenic Valves 锻钢低温阀门

永嘉县泰鸿阀门有限公司  
YONGJIA TAIHONG VALVE CO.,LTD.  
www.thvgs.com



### 应用规范 Application standards

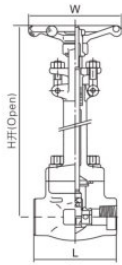
- 设计制造 Design and manufacture conform to:  
API 602, BS5352, ANSI B16.34;
- 连接端尺寸 Connection ends conform to:  
1) 承插口尺寸按 Socket welded dimension conform to ANSI B16.11, JB/T1751  
2) 螺纹端尺寸按 Screw ends dimension conform to ANSI B1.20.1, JB/T7306  
3) 对焊端尺寸按 Butt-welded ends conform to ANSI B16.25, JB/T12224  
4) 法兰端尺寸按 Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验 Test and inspection conform to:  
API 598, GB/T13927, JB/T9092
- 结构特征 Structure features:  
螺栓连接阀盖(B.B)和明杆支架(OS&Y)  
Bolted bonnet, outside screw and yoke  
或焊接阀盖(W.B)和明杆支架(OS&Y)  
Welded bonnet, outside screw and yoke
- 材料按 Materials conform to ANSI/ASTM的规定。
- 主体材料 Main materials:  
LF2; LF3; 304(L); 316(L); F347; F321; F51.

### 碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100° F CL300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100° F  
CL800-1975 P.S.I @ 100° F CL1500-3705 P.S.I @ 100° F

### 典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	LF3/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	-	-	LF2	LF3	F304(L)	F316(L)	F51
2	座圈 Seat	-	-	304	304	304(L)	316(L)	F51
3	闸板 Wedge	-	-	F304	F304	F304(L)	F316(L)	F51
4	阀杆 Stem	-	-	304	F304	304(L)	316(L)	F51
5	垫片 Gasket	-	-	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖 Bonnet	-	-	LF2	LF3	F304(L)	F316(L)	F51
7	螺栓 Bolt	-	-	L7	L7	B8	B8	B8
8	销 Pin	-	-	410	410	304	304	304
9	填料压套 Gland	-	-	304	304	304	316	F51
10	活节螺栓 Gland eyebolt	-	-	L7	L7	B8(M)	B8(M)	B8M
11	填料压板 Gland flange	-	-	LF2	LF3	F304	F304	F304
12	六角螺母 Hex nut	-	-	2H	2H	8(M)	8(M)	8M
13	阀杆螺母 Stem nut	-	-	410	410	410	410	410
14	锁紧螺母 Locking nut	-	-	35	35	35	35	35
15	铭牌 Nameplate	-	-	AL	AL	AL	AL	AL
16	手轮 Handwheel	-	-	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	-	-	410	410	410	410	410
18	填料 Packing	-	-	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite



螺栓连接低温加长闸盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended port, full port & reduced port, OS&Y  
末端连接可按螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

CL800

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm)Height	H	-196	291	291	293	340	375	400	450	490
		-46	255	255	258	290	325	265	395	440
流通孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5	45	51
重量(kg)Weight		3.5	3.5	4.3	6.7	10.9	12	14.8	28	36

螺栓连接低温加长闸盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended port, full port & reduced port, OS&Y  
末端连接可按螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

CL1500

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	79	92	111	120	120	140	178	180
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	220
中心高度(开)(mm)Height	H	-196	321	321	322	359	399	446	480
		-46	285	285	287	309	343	396	420
流通孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5	45
重量(kg)Weight		3.5	6.7	6.7	11	12.3	15.8	28	45

螺栓连接低温加长闸盖，缩径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended port, reduced port, OS&Y  
末端连接可按螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

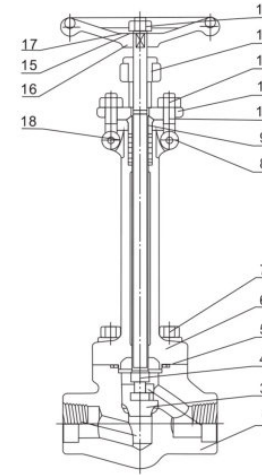
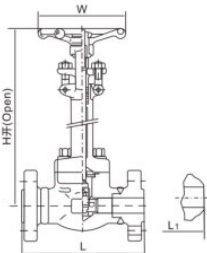
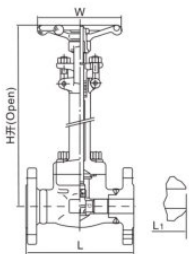
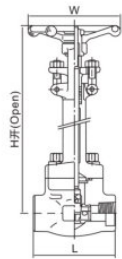
CL150-300-600

规格(NPS)Specification			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 Face to face	CL150	L(RF)	-	-	108	117	127	140	165	178
	CL300	L1(BW)	-	-	140	152	165	178	190	216
	CL600		-	-	165	190	216	229	241	292
手轮直径(mm) Handwheel diameter	W		-	-	100	100	125	160	160	180
中心高度(开)(mm)Height	H	-196	-	-	321	322	359	399	446	480
		-46	-	-	285	287	309	343	396	420
流通孔径(mm) Flow port dimension	d		-	-	10.5	13.5	18	24	29	36.5
重量(kg) Weight	CL 150	RF	-	-	5.0	5.5	8.8	13.5	15	20.3
		BW	-	-						
	CL 300	RF	-	-	5.8	7.3	9.7	12.5	19.5	22.3
		BW	-	-						
	CL 600	RF	-	-	6.0	8	11.2	13.5	21.5	24.8
		BW	-	-						

螺栓连接闸盖，缩径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended port, reduced port, OS&Y  
末端连接可按螺纹或承插焊或对焊，设计按API602  
Threaded, butt-welded or socket welded ends; design to API602

CL1500

规格(NPS)Specification	R.P	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	216	229	254	279	305	368
手轮直径(mm) Handwheel diameter	W	125	125	160	160	180	200
中心高度(开)(mm)Height	H	-196	321	322	359	399	446
		-46	285	287	309	343	396
流通孔径(mm) Flow port dimension	d	10.5	13.5	18	24	29	36.5
重量(kg)Weight		14	23	25.3	35.7	47	72



应用规范Application standards

- 设计制造Design and manufacture conform to:  
API 602, BS5352, ANSI B16.34;
- 连接端尺寸Connection ends conform to:  
1) 承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751  
2) 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306  
3) 对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224  
4) 法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to:  
API 598, GB/T13927, JB/T9092
- 结构特征Structure features:  
螺栓连接闸盖(B.B)和明杆支架(OS&Y)  
Bolted bonnet, outside screw and yoke  
或焊接闸盖(W.B)和明杆支架(OS&Y)  
Welded bonnet, outside screw and yoke
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials:  
LF2; LF3; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy (合金).

碳钢温压等级Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100° F CL300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100° F  
CL800-1975 P.S.I @ 100° F CL1500-3705 P.S.I @ 100° F

典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	LF3/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	-	-	LF2	LF3	F304(L)	F316(L)	F51
2	座圈Seat	-	-	304	304	304(L)	316(L)	F51
3	闸板Wedge	-	-	F304	F304	F304(L)	F316(L)	F51
4	阀杆Stem	-	-	304	F304	304(L)	316(L)	F51
5	垫片Gasket	-	-	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	闸盖Bonnet	-	-	LF2	LF3	F304(L)	F316(L)	F51
7	螺栓Bolt	-	-	L7	L7	B8	B8	B8
8	销Pin	-	-	410	410	304	304	304
9	填料压套Gland	-	-	304	304	304	316	F51
10	活节螺栓Gland eyebolt	-	-	L7	L7	B8(M)	B8(M)	B8M
11	填料压板Gland flange	-	-	LF2	LF3	F304	F304	F304
12	六角螺母Hex nut	-	-	2H	2H	8(M)	8(M)	8M
13	阀杆螺母Stem nut	-	-	410	410	410	410	410
14	锁紧螺母Locking nut	-	-	35	35	35	35	35
15	铭牌Nameplate	-	-	AL	AL	AL	AL	AL
16	手轮Handwheel	-	-	A197	A197	A197	A197	A197
17	润滑垫片Lubricating gasket	-	-	410	410	410	410	410
18	填料Packing	-	-	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite

螺栓连接低温加长阀盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended bonnet, full port & reduced port, OS&Y  
末端连接可按螺纹或承插焊，设计按BS5352  
Threaded or socket welded ends; design to BS5352

### CL800

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	220	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm)Height	H	-196	390	390	415	430	460	490	505	570
		-101	-46	350	350	400	410	425	450	480
流通孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46	
重量(kg)Weight		7.2	7.2	7.2	9.5	10.8	13.5	19.8	29	

螺栓连接低温加长阀盖，缩径和全径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended bonnet, full port & reduced port, OS&Y  
末端连接可按螺纹或承插焊，设计按BS5352  
Threaded or socket welded ends; design to BS5352

### CL1500

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	92	92	111	120	152	172	200	-	
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	-	
中心高度(开)(mm)Height	H	-196	370	370	370	410	410	474	546	-
		-101	-46	350	350	400	410	425	450	480
流通孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40	-	
重量(kg)Weight		7.2	9.5	9.5	10.8	13.5	19.8	29	-	

螺栓连接低温加长阀盖，缩径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended bonnet, reduced port, OS&Y  
末端连接可按螺纹或承插焊，设计按BS5352  
Threaded or socket welded ends; design to BS5352

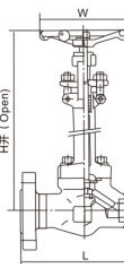
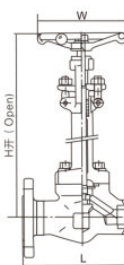
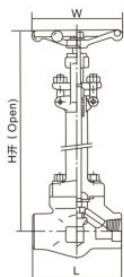
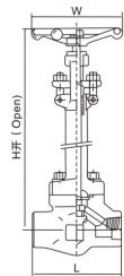
### CL150-300-600

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF)	CL150	-	-	108	118	127	140	165	203
	L1(BW)	CL300	-	-	152	178	203	216	229	267
		CL600	-	-	165	190	216	229	241	292
手轮直径(mm) Handwheel diameter	W		-	-	100	100	125	160	160	180
中心高度(开) (mm)Height	H	-196	-	-	390	415	430	-	490	505
		-101	-	-	350	400	410	-	450	480
流通孔径(mm) Flow port dimension	d		-	-	9.0	13	17.5	-	30	35
重量(kg) Weight		CL150	-	-	5	5.8	8.6	13.5	13.8	24.3
		CL300	-	-	5.8	6.8	10.3	16.8	19.3	25.8
		CL600	-	-	6.3	7.3	10.6	17	20.3	26.8

螺栓连接低温加长阀盖，全径，明杆支架(OS&Y)  
Bolted bonnet cryogenic extended bonnet, full port, OS&Y  
末端连接可按螺纹或承插焊，设计按BS5352  
Threaded or socket welded ends; design to BS5352

### CL1500

规格(NPS)Specification	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L(RF)	-	-	216	229	254	279	305	368	
手轮直径(mm) Handwheel diameter	W	-	-	125	125	160	160	180	200	
中心高度(开)(mm)Height	H	-196	-	-	370	370	410	410	474	546
		-101	-	-	350	400	410	425	450	480
流通孔径(mm) Flow port dimension	d	-	-	12	15	20	28	32	40	



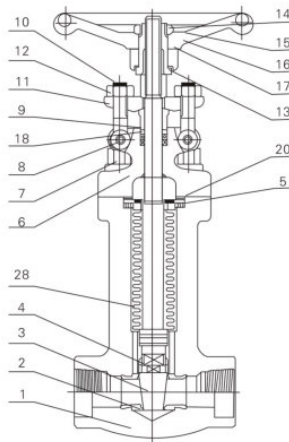
## Forged Steel Bellow Valves

### 锻钢波纹管阀门系列



### 应用规范 Application standards

- 1、设计制造 Design and manufacture conform to API602; MSS-SP-117;
- 2、连接端尺寸 Connection ends conform to:
  - 1) 承插口尺寸按 Socket welded ends conform to ANSIB16.11; JB/T1751
  - 2) 螺纹端尺寸按 Screw ends conform to ANSI B1.20.1; JB/T7306
  - 3) 对接端尺寸按 Butt-welded ends conform to ANSI B16.25; JB/T1224
  - 4) 法兰端尺寸按 Flanged ends conform to ANSI B16.5; JB/T9
- 3、检查和试验 Test and inspection conform to: API598; GB/T13927; JB/T9092
- 4、结构特征 Structure features:
  - 螺栓连接阀盖(B.B)和明杆支架(OS&Y)
  - Bolted bonnet, outside screw and yoke
  - 或焊接阀盖(W.B)和明杆支架(OS&Y)
  - Welded bonnet, outside screw and yoke
- 5、材料 Materials conform to ANSI/ASTM的规定。
- 6、主体材料 Main materials: A105; 304(L); 316(L); F347; F321.
- 7、波纹管材料 Bellow materials: 304、321、316、Inconel625、Hastelloy、C276、Monel等

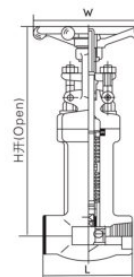


### 碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285 P.S I @100° F    CL300-740 P.S I @100° F  
 CL600-1480 P.S I @100° F    CL800-1975 P.S I @100° F  
 CL1500-3705 P.S I @100° F

### 典型零件材料表 Main part materials list

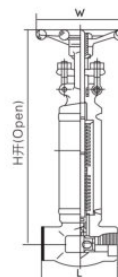
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105	A105	F304(L)	F316(L)
2	阀座 Seat	410	410HF	410HF	304(L)	316(L)
3	闸板 Wedge	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆 Stem	410	410	410	304(L)	316(L)
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	A105	F304(L)	F316(L)
7	螺栓 Bolt	B7	B7	B7	B8	B8
8	销 Pin	410	410	410	304	304
9	填料压套 Gland	410	410	410	304	316
10	活节螺栓 Gland eyebot	B7	B7	B7	B8(M)	B8(M)
11	填料压板 Gland flange	A105	A105	A105	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	8(M)	8(M)
13	阀杆螺母 Stem nut	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35
15	铭牌 Nameplate	AL	AL	AL	AL	AL
16	手轮 Hand wheel	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410
18	填料 Packing	Graphite	Graphite	Graphite	Graphite	Graphite
19	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
20	波纹管 Bellow	F321	F321	F321	F316L	F316L
28						



CL800

螺栓阀盖，缩径和全径，明杆支架(OS&Y)  
 Bolted bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊或对焊，设计按API602、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

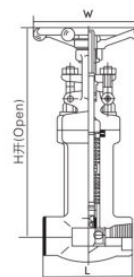
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180
中心高度(开)(mm) Height	H	255	255	285	345	445	545	594
流通孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量(kg) Weight		3.0	3.0	3.3	5.9	8.7	10.2	16.2



CL800

焊接阀盖，缩径和全径，明杆支架(OS&Y)  
 Welded bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊或对焊，设计按API602、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

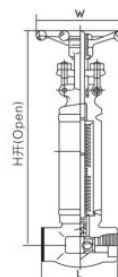
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	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180
中心高度(开)(mm) Height	H	248	548	777	335	437	537	585
流通孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量(kg) Weight		2.9	2.9	3.2	4.6	7.2	8.9	15.5



CL1500

螺栓阀盖，缩径和全径，明杆支架(OS&Y)  
 Bolted bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊或对焊，设计按API602、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	111	111	120	120	140	178
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	180
中心高度(开)(mm) Height	H	294	264	320	379	478	607	636
流通孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量(kg) Weight		3.1	5.1	5.1	9.0	10.5	16.7	21



CL1500

焊接阀盖，缩径和全径，明杆支架(OS&Y)  
 Welded bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊或对焊，设计按API602、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to API602/MSS-SP-117

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	111	111	120	120	140	178
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	180
中心高度(开)(mm) Height	H	287	287	312	368	465	595	627
流通孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量(kg) Weight		2.9	4.7	4.7	5.7	7.4	16	19

# 短型波纹管截止阀

## Short pattern bellows globe valves



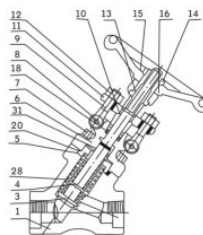
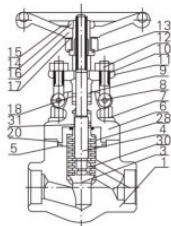
# 短型波纹管截止阀

## Short pattern bellows globe valves



### 应用规范 Application standards

- 1、设计制造 Design and manufacture conform to BS5352; MSS-SP-117;
- 2、连接端尺寸 Connection ends conform to:
  - 1) 承插口尺寸按 Socket welded ends conform to ANSI B16.11; JB/T1751
  - 2) 螺纹端尺寸按 Screw ends conform to ANSI B1.20.1; JB/T7306
  - 3) 对焊端尺寸按 Butt-welded ends conform to ANSI B16.25; JB/T12224
  - 4) 法兰端尺寸按 Flanged ends conform to ANSI B16.5; JB79
- 3、阀门检查和试验 Test and inspection conform to: API598; GB/T13927; JB/T9092
- 4、结构特征 Structure features:
  - 螺栓连接阀盖(B.B)和明杆支架(OS&Y) Bolted bonnet, outside screw and yoke
  - 或焊接阀盖(W.B)和明杆支架(OS&Y) Welded bonnet, outside screw and yoke
- 5、材料 Materials conform to ANSI/ASTM的规定。
- 6、主体材料 Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20合金等 Alloy.
- 7、波纹管材料 Bellow materials: 304、321、316、Inconel625、Hastelloy、C276、Monel等



### 碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285 P.S I @100° F    CL300-740 P.S I @100° F  
 CL600-1480 P.S I @100° F    CL800-1975 P.S I @100° F  
 CL1500-3705 P.S I @100° F

### 典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣 Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆 Stem	410	410	410	304(L)	316(L)
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	A105	F304(L)	F316(L)
7	螺栓 Bolt	B7	B7	B7	B8(M)	EB8(M)
8	销轴 Pin	410	410	410	304	304
9	填料压套 Packing bushing	410	410	410	304	316
10	活节螺母 Eyelet bolt	B7	B7	B7	B8(M)	B8(M)
11	填料压盖 Packing gland	A105	A105	A105	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	8(M)	8(M)
13	阀杆螺母 Stem nut	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35
15	铭牌 Name plate	AL	AL	AL	AL	AL
16	手轮 Hand wheel	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410
18	填料 Packing	Graphite	Graphite	Graphite	Graphite	Graphite
20	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
28	波纹管 Bellow	F321	F321	F321	F321/304L	F316/316L
30	钢丝 Steel wire	304	304	304	304	316
31	销 Pin	304	304	304	304	316

螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Bolted bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL800

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	220	230
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm) Height	H	162	162	164	200	22	257	295	350	-
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46	-
重量(kg) Weight		2.3	2.4	2.5	4.35	5.75	7.8	12.5	17.5	-

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Welded bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL800

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	220	230
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm) Height	H	162	162	164	200	220	257	295	350	-
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46	-
重量(kg) Weight		1.7	1.8	1.9	3.3	5.2	6.8	10.6	13.8	-

螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Bolted bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL1500

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	98	98	98	120	140	140	170	200	-
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm) Height	H	180	180	180	188	280	280	295	350	-
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg) Weight		2.6	2.6	3.8	4.6	9.3	9.3	14	19.6	-

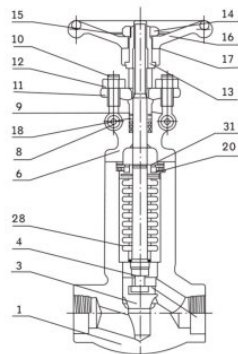
焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Welded bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL1500

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	98	98	98	120	140	140	170	200	-
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm) Height	H	198	198	198	207	280	280	295	350	-
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg) Weight		1.8	1.8	2.0	3.5	8.0	8.0	12	16	-

### 应用规范 Application standards

- 1、设计制造 Design and manufacture conform to BS5352; MSS-SP-117;
- 2、连接端尺寸 Connection ends conform to:
  - 1) 承插口尺寸按 Socket welded ends conform to ANSIB16.11; JB/T1751
  - 2) 螺纹端尺寸按 Screw ends conform to ANSI B1.20.1; JB/T7306
  - 3) 对焊端尺寸按 Butt-welded ends conform to ANSI B16.25; JB/T12224
  - 4) 法兰端尺寸按 Flanged ends conform to ANSI B16.5; JB79
- 3、阀门检查和试验 Test and inspection conform to: API598; GB/T13927; JB/T9092
- 4、结构特征 Structure features:
  - 螺栓连接阀盖(B.B)和明杆支架(OS&Y)
  - Bolted bonnet, outside screw and yoke
  - 或焊接阀盖(W.B)和明杆支架(OS&Y)
  - Welded bonnet, outside screw and yoke
- 5、材料 Materials conform to ANSI/ASTM的规定。
- 6、主体材料 Main materials: A105; 304(L); 316(L); F347; F321; F51; Monel; 20合金等 Alloy.
- 7、波纹管材料 Bellow materials: 304, 321, 316, Inconel625, Hastelloy, C276, Monel等



### 碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285 P.S I @100° F    CL300-740 P.S I @100° F  
 CL600-1480 P.S I @100° F    CL800-1975 P.S I @100° F  
 CL1500-3705 P.S I @100° F

### 典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣 Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	垫片 Gasket	410	410	410	304(L)	316(L)
6	螺栓 Bolt	A105	A105	A105	F304(L)	F316(L)
8	销轴 Pin	410	410	410	304	304
9	填料压套 Packing bushing	410	410	410	304	316
10	活节螺栓 Gland eyebolt	B7	B7	B7	B8(M)	B8(M)
11	填料压盖 Packing gland	A105	A105	A105	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	8(M)	B8(M)
13	阀杆螺母 Stem nut	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35
15	铭牌 Name plate	AL	AL	AL	AL	AL
16	手轮 Hand wheel	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410
18	填料 Packing	Graphite	Graphite	Graphite	Graphite	Graphite
28	波纹管 Bellow	F321	F321	F321	F316	F316L
31	销 Pin	304	304	304	304	316

螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Bolted bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL800

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	220	230
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm) Height	H	237	237	239	270	298	340	295	470	-
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46	-
重量(kg) Weight		2.5	2.6	2.7	4.4	6.7	8.8	15	18.8	-

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Welded bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL800

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	220
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200
中心高度(开)(mm) Height	H	237	237	239	270	298	340	295	470
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46
重量(kg) Weight		3.1	3.3	4.2	5.5	7.25	9.8	16	21

螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Bolted bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

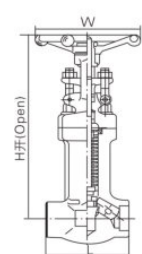
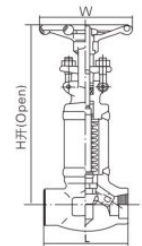
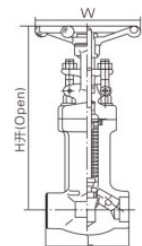
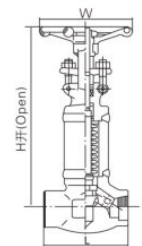
### CL1500

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	111	111	120	152	172	220
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200
中心高度(开)(mm) Height	H	290	380	380	400	450	520	650
流道孔径(mm) Flow port dimension	d	7	12	15	20	28	32	40
重量(kg) Weight		3.3	5	7.5	10	16	27	30

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)  
 Welded bonnet, full port & reducing port outside screw and yoke (OS&Y)  
 末端连接为螺纹或承插焊, 设计按BS5352、MSS-SP-117  
 Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

### CL1500

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	111	111	120	152	172	220
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200
中心高度(开)(mm) Height	H	290	380	380	400	450	520	650
流道孔径(mm) Flow port dimension	d	7	12	15	20	28	32	40
重量(kg) Weight		3.3	5	7.5	10	16	27	30

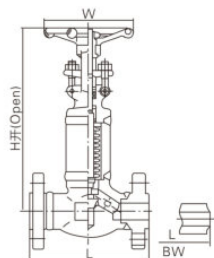


# 波纹管截止阀

## Bellow sealed globe valves

焊接连接阀盖，缩径，明杆支架(OS&Y)  
Welded bonnet, reducing port outside screw and yoke (OS&Y)  
末端连接为连接法兰或对焊，设计按BS5352、MSS-SP-117

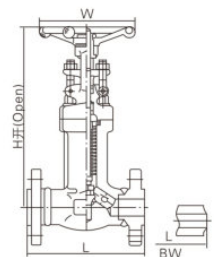
**CL150-300-600** Flange-welded or butt-welded ends; design to BS5352/MSS-SP-117



规格(NPS) Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	CL150	-	-	108	117	127	140	165	203
Face to face	CL300	L(RF)	-	152	178	203	216	229	267
	CL600	L1(BW)	-	165	190	216	229	241	292
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	160	160	180
中心高度 (开)(mm) Height	CL150/CL300	H	-	340/350	340/350	360/375	380/400	450/470	540/570
	CL600	d	-	360	360	390	430	500	600
流通孔径(mm) Flow port dimension	d	-	-	9	13	17.5	23	30	35
重量 (kg) Weight	CL150	RF/BW	-	3.6/7	4.3/3.6	6.3/5.7	10.5/9.5	11.5/9.8	19.5/16
	CL300	RF/BW	-	4.3/2	4.8/4	7.3/6.7	13/11	14.5/12	22/18
	CL600	RF/BW	-	5.8/4.7	8.1/6	12.5/9	18/14	24.5/18	42/36

螺栓连接阀盖，缩径，明杆支架(OS&Y)  
Bolted bonnet, reducing port outside screw and yoke (OS&Y)  
末端连接为连接法兰或对焊连接，设计按BS5352、MSS-SP-117

**CL150-300-600** Flange-welded or butt-welded ends; design to BS5352/MSS-SP-117



规格(NPS) Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	CL150	-	-	108	117	127	140	165	203
Face to face	CL300	L(RF)	-	152	178	203	216	229	267
	CL600	L1(BW)	-	165	190	216	229	241	292
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	160	160	180
中心高度 (开)(mm) Height	CL150/CL300	H	-	340/350	340/350	360/375	380/400	450/470	540/570
	CL600	d	-	360	360	390	430	500	600
流通孔径(mm) Flow port dimension	d	-	-	9	13	17.5	23	30	35
重量 (kg) Weight	CL150	RF/BW	-	1.17/3.5	4.8/4.1	7.31/6.7	125/115	14/11.5	21.5/18
	CL300	RF/BW	-	4.5/3.7	5.2/4.5	8.3/7.7	145/125	16/13.5	24/20
	CL600	RF/BW	-	6.3/5.2	8.6/6.5	13.5/10	195/155	26/19.5	44/38

焊接连接阀盖，全径，明杆支架(OS&Y)  
Welded bonnet, full port outside screw and yoke (OS&Y)  
末端连接为连接法兰或对焊连接，设计按BS5352、MSS-SP-117

**CL1500**

规格(NPS) Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF)	-	-	216	229	254	279	305	368
	L1(BW)	-	-	216	229	254	279	305	371
手轮直径(mm) Handwheel diameter	W	-	-	125	125	160	160	180	200
中心高度 (开)(mm) Height	H	-	-	380	380	400	450	520	650
流通孔径(mm) Flow port dimension	d	-	-	12	15	20	28	32	40
重量(kg) Weight		-	-	11.1	11.8	14.1	16.5	23.8	37.5

螺栓连接阀盖，全径，明杆支架(OS&Y)  
Bolted bonnet, full port outside screw and yoke (OS&Y)  
末端连接为连接法兰或对焊连接，设计按BS5352、MSS-SP-117

**CL1500**

规格(NPS) Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF)	-	-	216	229	254	279	305	368
	L1(BW)	-	-	216	229	254	279	305	371
手轮直径(mm) Handwheel diameter	W	-	-	125	125	160	160	180	200
中心高度 (开)(mm) Height	H	-	-	380	380	400	450	520	650
流通孔径(mm) Flow port dimension	d	-	-	12	15	20	28	32	40
重量(kg) Weight		-	-	11.6	12.3	15	17.5	25	40

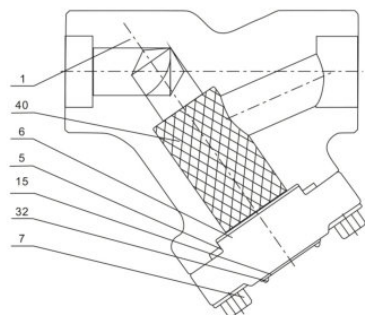


# Y-type Strainers

## Y型过滤器系列







### 应用规范Application standards

- 设计制造Design and manufacture conform to: BS5352 MSS SP-118;
- 连接端尺寸Connection ends conform to:
  - 承插口尺寸按Socket welded dimension conform to ANSI B16.11, JB/T1751
  - 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1, JB/T7306
  - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25, JB/T12224
  - 法兰端尺寸按Flanged ends conform to ANSI B16.5, JB79
- 阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 结构特征Structure features:
  - 螺栓连接阀盖(B.B)焊接阀盖(W.B)
  - Bolted bonnet or Welded bonnet
- 材料Material conform to ANSI/ASTM的规定。
- 主体材料Main materials:
  - A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy (合金).

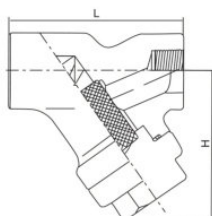
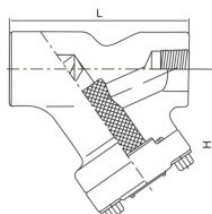
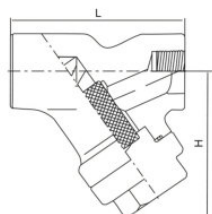
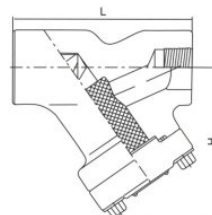
### 碳钢温压等级Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100° F CL300-740 P.S.I @ 100° F  
 CL600-1480 P.S.I @ 100° F CL800-1975 P.S.I @ 100° F  
 CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F

\*客户订货时需提供过滤网的目数  
 \*如需提供堆放堵塞须与销售说明  
 \*Please offer the mesh of strainer  
 \*If you want to equip with plug, please contract our sale department

### 典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Rivet	H62	H62	H62	H62	H62	H62	H62
40	过滤网 Filter screen	304	304	304	304	304(L)	316(L)	316(L)



螺栓阀盖，缩径和全径。  
 Bolted bonnet, full port or reducing port  
 末端连接为螺纹或承插焊或对焊，设计按BS5352  
 Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

规格(NPS) Specification	R.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	98	98	111	110	140	140	155	170	-
中心高度(开)(mm)Height	H	70	70	70	100	110	120	120	150	-
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg)Weight		2.2	2.2	2.1	4.2	8.9	8.9	10	18.6	-

螺栓阀盖，缩径和全径。  
 Bolted bonnet, full port or reducing port  
 末端连接为螺纹或承插焊或对焊，设计按BS5352  
 Threaded, butt-welded or socket welded ends; design to BS5352

### CL800

规格(NPS) Specification	R.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L	79	79	92	100	140	140	155	170	-
中心高度(开)(mm)Height	H	65	65	65	95	105	110	110	140	-
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
重量(kg)Weight		1.8	1.8	2.0	3.5	9	8.0	12	16	-

螺栓阀盖，全径。  
 Bolted bonnet, full port  
 末端连接为螺纹或承插焊，设计按BS5352  
 Threaded or socket welded ends; design to BS5352

### CL900-1500

规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	98	111	111	140	140	155	170
中心高度(开)(mm)Height	H	70	70	100	110	120	120	150
流道孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40
重量(kg)Weight		2.1	4.2	9	8.9	10	18.6	20

螺栓阀盖，全径。  
 Bolted bonnet, full port  
 末端连接为螺纹或承插焊，设计按BS5352  
 Threaded or socket welded ends; design to BS5352

### CL900-1500

规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	92	100	100	140	140	155	170
中心高度(开)(mm)Height	H	65	65	95	105	110	110	140
流道孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40
重量(kg)Weight		2.0	3.5	8.0	8.0	12	16	18

阀体与阀盖材料Body and bonnet materials

化学成分 Chemical composition	碳钢 Carbon steel			低温Cryogenic				合金钢 Alloy steel							奥氏体不锈钢 ASTM-A182 Austenite stainless steel ASTM-A182					双相不锈钢 Duplex stainless steels			
	A105	LF2	LF3	F5	F91	F11 Class2	F22 Class3	F304	F304H	F304L	F316	F316L	F347H	F51	F304	F304H	F304L	F316	F316L		F347H	F51	
C	0.35	0.35	0.20	0.15	0.08-0.12	0.10-0.20	0.05-0.15	0.08	0.04-0.10	0.035	0.08	0.035	0.04-0.1	0.030									
Mn	0.60-1.05	0.60-1.05	0.90	0.30-0.60	0.30-0.60	0.30-0.80	0.30-0.60	2.00	2.00	2.00	2.00	2.00	2.00	2.00									
P	0.035	0.035	0.035	0.030	0.020	0.040	0.040	0.045	0.045	0.045	0.045	0.045	0.045	0.030									
S	0.040	0.040	0.040	0.030	0.010	0.040	0.040	0.030	0.030	0.030	0.030	0.030	0.030	0.020									
Si	0.10-0.35	0.10-0.35	0.20-0.35	0.50	0.20-0.50	0.50-1.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00									
Ni	0.40	0.40	3.3-3.7	0.50	0.40	-	-	8.0-11.0	8.0-11.0	8.0-13.0	10.0-14.0	10.0-15.0	9.0-13.0	4.5-6.5									
Cr	0.30	0.30	0.30	4.0-6.0	8-9.5	1.00-1.50	2.00-2.50	18.0-20.0	18.0-20.0	18.0-20.0	16.0-18.0	16.0-18.0	17.0-20.0	21-23									
Mo	0.12	0.12	0.12	0.44-0.65	0.85-1.05	0.44-0.65	0.87-1.13	-	-	-	2.00-3.00	2.00-3.00	-	2.5-3.5									
机械性能 Mechanical property	ASTM A105	LF2	LF3	F5	F91	F11 Class2	F22 Class3	F304	F304H	F304L	F316	F316L	F347H	F51									
抗拉强度 Tensile strength	70	70-95	70-95	70	85	70	75	75	75	70	75	70	75	90									
屈服强度 Yield strength	36	36	37.5	40	60	40	45	30	30	25	30	25	30	65									
延伸率 Elongation at Rupture	22	22	22	20	20	20	20	30	30	30	30	30	30	25									
断面收缩率 Shrinkage of R.A	30	30	35	35	40	30	30	50	50	50	50	50	50	45									
布氏硬度 Brinell hardness	187(2)	197	197	143-217	≤248	143-207	156-207	-	-	-	-	-	-	-									

内件与螺栓材料Trim and bolt materials

化学成分 Chemical composition	内件材料Trim materials					螺栓材料Bolt materials				
	AISI 410	AISI 416	AISI 420	ASTM B164 Monel	Stellite Gr.6	ASTM A193		ASTM 430	ASTM A194	
						B7	B8	430	2H	G8
C	0.15max.	0.15max.	0.15max.	0.3max.	1.00	0.37-0.49	0.08max.	0.12max.	0.40max.	0.08max.
Mn	1.00max.	1.25max.	1.00max.	2.0max.	1.00max.	0.65-1.10	2.0max.	1.00max.	1.00max.	2.00max.
P	0.040	0.060max.	0.040	-	-	0.035	0.045	0.040	0.040max.	0.045
S	0.030	0.15max.	0.030	0.025	-	0.04	0.030	0.030	0.050max.	0.030
Si	1.00max.	1.00max.	1.00max.	0.5max.	1.00	0.15-0.35	1.00max.	1.00max.	0.40max.	1.00max.
Cr	11.5-13.5	12.0-14.0	12.0-14.0	-	28.00	0.75-1.20	18.0-20.0	14.0-18.0	-	18.0-20.0
Ni	-	-	-	63.0max.	3.0max.	-	8.00-11.0	-	-	8.00-11.0
Mo	-	0.600max.	-	-	-	0.15-0.25	-	-	-	-
Cu	-	-	-	28.0-37.0	-	-	-	-	-	-
其它元素 Other element	-	-	-	Fe:2.5max.	Fe:3.0max W:4.0 Co:balance	-	-	-	-	-
机械性能 Mechanical property	410	416	420	ASTM A164	Gr.6	B7	B8	430	2H	G8
抗拉强度 Tensile strength	99/85	85/170	149/298	70(2)	-	125	75	75.4	-	-
屈服强度 Yield strength	59/170	59/128	119/199	25(2)	-	105	30	40	-	-
延伸率 Elongation at Rupture	(15)(1)	(10)(1)	(8)(1)	(35)(2)	-	16	30	28	-	-
断面收缩率 Shrinkage of R.A	50/75	8/60	5/40	-	-	50	50	65	-	-
布氏硬度 Brinell hardness	180/375	180/375	300-600	-	HRC min:37	-	-	160	248-352	126-300

ASTM Code	CHEMICAL COMPOSITION											MECHANICAL PROPERTIES				HARDNESS	SHOCK VALUE
	% C	% Mn	% P	% S	% Si	% Cr	% Mo	% Ni	% Cu	% V	% Nb	Tensile Mpa, ≥	Yield Mpa, ≥	Elongation %, ≥	Reduce %, ≥		
A105	0.35	0.60-1.05	0.035	0.040	0.10-0.35	0.30	0.12	0.4	0.40	0.08	0.02	485	250	30	30	187	
A182F11	0.05-0.15	0.30-0.60	0.030	0.030	0.50-1.00	1.00-1.50	0.44-0.65					415	205	20	45	121-174	
A182F22	0.05-0.15	0.30-0.60	0.040	0.040	0.50-1.00	2.00-2.50	0.87-1.13					415	205	20	35	170	
A182F304	0.08	2.00	0.045	0.030	1.00	18.0-20.0		8.0-11.0				515	205	30	50		
A182F304L	0.030	2.00	0.045	0.030	1.00	18.0-20.0		8.0-13.0				485	170	30	50		
A182F316	0.08	2.00	0.045	0.030	1.00	16.0-18.0	2.00-3.00	10.0-14.0				515	205	30	50		
A182F316L	0.030	2.00	0.045	0.030	1.00	16.0-18.0	2.00-3.00	10.0-15.0				485	170	30	50		
A182F51	0.030	2.00	0.030	0.020	1.00	21.0-23.0	2.5-3.5	4.5-6.5				620	450	25	45		
A182F6a	0.15	1.00	0.040	0.030	1.00	11.5-13.5		0.50				585	380	18	35	167-229	
A193B7	0.37-0.49	0.65-1.10	0.035	0.040	0.15-0.35	0.75-1.20	0.15-0.25					860	720	16	50	321	
A193B7M	0.37-0.49	0.65-1.10	0.035	0.040	0.15-0.35	0.75-1.20	0.15-0.25	8.0-11.0				690	550	18	50	235	
A193B8	0.08	2.00	0.045	0.030	1.00	18.0-20.0		10.0-14.0		0.25-0.35		515	205	30	50	223	
A193B8M	0.08	2.00	0.045	0.030	1.00	16.0-18.0	2.00-3.00					515	205	30	50	223	
A193B16	0.36-0.47	0.45-0.70	0.035	0.040	0.15-0.35	0.80-1.15	0.50-0.65					860	720	18	50	321	
A1942H	≥0.40	1.00	0.040	0.050	0.04											248-352	
A1942HM	≥0.40	1.00	0.040	0.050	0.04			8.0-11.0								159-237	
A1948	0.08	2.00	0.045	0.030	1.00	18.0-20.0		10.0-14.0								126-300	
A1948M	0.08	2.00	0.045	0.030	1.00	16.0-18.0	2.00-3.00									126-300	
A216WCB	0.30	1.00	0.04	0.045	0.60	0.50	0.20	0.50	0.30	0.03		485-655	250	22	35		
A216WCC	0.25	1.20	0.04	0.045	0.60	0.50	0.2	0.50	0.30	0.03		485-655	275	22	35		
A217C5	0.20	0.40-0.70	0.04	0.045	0.75	4.00-6.50	0.45-0.65	0.50	0.50			620-795	415	18	35		
A217CA15	0.15	1.00	0.040	0.040	1.50	6.50-14.0	0.50	1.00				620-795	450	18	30		
A217WC6	0.05-0.15	0.50-0.80	0.04	0.045	0.60	1.00-1.50	0.45-0.65	0.50	0.50			485-655	275	20	35		
A217WC9	0.05-0.15	0.40-0.70	0.04	0.045	0.60	2.00-2.75	0.90-1.20	0.50				485-655	275	20	35		
A276410	0.05-0.15	1.00	0.040	0.030	1.00	11.5-13.5						480	275	20	45		
A276420	≥0.15	1.00	0.040	0.030	1.00	12.0-14.0											
A320L7	0.38-0.48	0.75-1.00	0.035	0.040	0.15-0.35	0.80-1.10	0.15-0.25					860	725	16	50	241	Avg:27; min:20
A320L7M	0.38-0.48	0.75-1.00	0.035	0.040	0.15-0.35	0.80-1.10	0.15-0.25					690	550	18	50	235	Avg:27; min:20
A336F22	0.05-0.15	0.30-0.60	0.025	0.025	0.50	2.00-2.50	0.90-1.10					515-690	310	19	40		
A350LF1	0.30	0.60-1.35	0.035	0.040	0.15-0.30	0.30	0.12	0.40	0.40	0.08	0.02	415-585	205	28	38		Avg:18; min:14
A350LF2	0.30	0.60-1.35	0.035	0.040	0.15-0.30	0.30	0.12	0.40	0.40	0.08		485-655	250	30	30		Avg:20; min:16
A351CF3	0.03	1.50	0.040	0.040	2.00	17.0-21.0	0.50				0.02	485	205	35.0			
A51CF3M	0.03	1.50	0.040	0.040	1.50	17.0-21.0	2.0-3.0	9.0-13.0				485	205	30.0			
A351CF8	0.08	1.50	0.040	0.040	2.00	18.0-21.0	0.50	11.0				485	205	35.0			
A351CF8M	0.08	1.50	0.040	0.040	1.50	18.0-21.0	2.0-3.0	9.0-12.0				485	205	30.0			
A351CF8C	0.08	1.50	0.040	0.040	2.00	18.0-21.0	0.50	9.0-12.0	3.0-4.0			485	205	30.0			
A351CN7M	0.07	1.50	0.040	0.040	1.50	19.0-22.0	2.0-3.0	27.5-30.5				425	170	35			
A352LC1																	

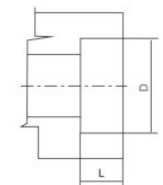
Class 150/300/600/800/900/1500/2500 温度压力等级 Temperature-pressure rate (Psig)-F°

材料Materials	A105&A350-LF2								F5								F11											
	Class	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500
-20 to 100	285	740	1480	1975	2220	3705	6170	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250
200	260	675	1350	1800	2025	3375	5625	260	745	1490	2000	2235	3725	6205	260	750	1500	1900	2250	3750	6250	260	750	1500	1900	2250	3750	6250
300	230	655	1315	1750	1970	3280	5470	230	715	1430	1940	2150	3580	5965	230	720	1445	1795	2165	3610	6015	230	720	1445	1795	2165	3610	6015
400	200	635	1270	1690	1900	3170	5280	200	705	1410	1880	2115	3530	5880	200	695	1385	1755	2080	3465	5775	200	695	1385	1755	2080	3465	5775
500	170	600	1200	1595	1795	2995	4990	170	665	1330	1775	1995	3325	5540	170	665	1330	1710	1995	3325	5540	170	665	1330	1710	1995	3325	5540
600	140	550	1095	1460	1640	2735	4560	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040
650	125	535	1075	1430	1610	2685	4475	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905
700	110	535	1065	1420	1600	2665	4440	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730
750	95	505	1010	1345	1510	2520	4200	95	530	1055	1420	1585	2640	4400	95	530	1065	1420	1595	2660	4430	95	530	1065	1420	1595	2660	4430
800	80	410	825	1100	1235	2060	3430	80	510	1015	1325	1525	2540	4230	80	510	1015	1355	1525	2540	4230	80	510	1015	1355	1525	2540	4230
850	65	270	535	715	805	1340	2230	65	485	965	1170	1450	2415	4030	65	485	975	1300	1460	2435	4060	65	485	975	1300	1460	2435	4060
900	50	170	345	460	515	860	1430	50	370	740	940	1110	1850	3085	50	450	900	1200	1350	2245	3745	50	450	900	1200	1350	2245	3745
950								35	275	550	695	825	1370	2285	35	320	640	1005	9550	1595	2655	35	320	640	1005	9550	1595	2655
1000								20	200	400	510	595	995	1655	20	215	430	595	650	1080	1800	20	215	430	595	650	1080	1800
1050								145	290	375	430	720	1200	145	290	365	430	720	1200	145	290	365	430	720	1200			
1100								100	200	275	300	495	830	95	190	225	290	480	800	95	190	225	290	480	800			
1150								60	125	185	185	310	515	60	125	140	185	310	515	60	125	140	185	310	515			
1200								35	70	120	105	170	285	40	75	95	115	190	315	40	75	95	115	190	315			
1250																												

材料Materials	F22								F91								F304 F304H											
	Class	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500
-20 to 100	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250	275	720	1440	1920	2160	3600	6000	290	750	1500	2000	2250	3750	6250
200	260	750	1500	1910	2250	3750	6250	260	750	1500	2000	2250	3750	6250	230	600	1200	1600	1800	3000	5000	260	750	1500	2000	2250	3750	6250
300	230	730	1455	1805	2185	3640	6070	230	730	1455	1940	2185	3640	6070	205	540	1080	1410	1620	2700	4500	230	730	1455	1940	2185	3640	6070
400	200	705	1410	1730	2115	3530	5880	200	705	1410	1880	2115	3530	5880	190	495	995	1255	1490	2485	4140	200	705	1410	1730	2115	3530	5880
500	170	665	1330	1705	1995	3325	5540	170	665	1330	1775	1995	3325	5540	170	465	930	1165	1395	2330	3880	170	665	1330	1705	1995	3325	5540
600	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040	140	435	875	1105	1310	2185	3640	140	605	1210	1615	1815	3025	5040
650	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905	125	430	860	1090	1290	2150	3580	125	590	1175	1570	1765	2940	4905
700	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730	110	425	850	1075	1275	2125	3540	110	570	1135	1515	1705	2840	4730
750	95	530	1065	1420	1595	2660	4430	95	530	1065	1420	1595	2660	4430	95	415	830	1060	1245	2075	3460	95	530	1065	1420	1595	2660	4430
800	80	510	1015	1355	1525	2540	4230	80	510	1015	1355	1525	2540	4230	80	105	805	1050	1210	2015	3360	80	510	1015	1355	1525	2540	4230
850	65	485	975	1300	1460	2435	4060	65	485	975	1300	1460	2435	4060	65	395	790	1035	1190	1980	3300	65	485	975	1300	1460	2435	4060
900	50	450	900	1200	1350	2245	3745	50	450	900	1200	1350	2245	3745	50	390	780	1025	1165	1945	3240	50	450	900	1200	1350	2245	3745
950	35	375	750	1005	1130	1885	3145	35	385	775	1030	1160	1930	3220	35	380	765	1000	1145	1910	3180	35	375	750	1005	1130	1885	3145
1000	20	260	520	715	780	1305	2170	20	365	725	970	1090	1820	3030	20	320	640	860	965	1605	2675	20	260	520	715	780	1305	2170
1050		175	350	530	525	875	1455	20	360	720	960	1080	1800	3000	310	615	825	925	1545	2570								
1100		110	220	300	330	560	915	20	300	605	805	905	1510	2515	255	515	685	770	1285	2145								
1150		70	135	275	205	345	570	20	225	445	595	670	1115	1855	200	400	520	595	995	1655								
1200		40	80	145	125	205	345	20	145	290	385	430	720	1200	155	310	415	465	770	1285								
1250														115	225	295	340	565	945									
1300														85	170	220	255	430	715									

对接焊标准 Butt-welded standard ASME B16.25

单位 Unit:mm



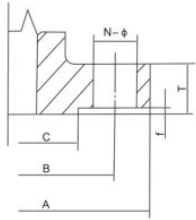
公称管径 Nominal diameter	SCH.40			SCH.80			SCH.160			SCH.1XXS		
	A	B	T	A	B	T	A	B	T	A	B	T
1/2	21.3	15.8	2.77	21.3	13.8	3.73	21.3	11.7	4.78	21.3	6.4	7.47
3/4	26.7	21.0	2.87	26.7	18.9	3.91	26.7	15.6	5.56	26.7	11.1	7.82
1	33.4	26.6	3.38	33.4	24.3	4.55	33.4	20.7	6.35	33.4	15.2	9.09
1 1/4	42.2	35.1	3.55	42.2	32.5	4.85	42.2	29.5	6.35	42.2	22.8	9.70
1 1/2	48.3	41.0	3.68	48.3	38.1	5.08	48.3	33.5	7.41	48.3	28.0	10.15
2	60.3	52.5	3.91	60.3	49.2	5.54	60.3	42.9	8.74	60.3	38.2	11.07
2 1/2	73.0	62.7	5.15	73.0	59.0	7.01	73.0	54.0	9.53	73.0	45.0	14.02
3	88.9	78.0	5.48	88.9	73.7	7.62	88.9	66.6	11.13	88.9	58.4	15.24
4	114.3	102.3	6.02	114.3	97.2	8.56	114.3	85.3	13.49	114.3	80.1	17.12

各国承插焊标准 Foreign cocket welded standard JB-ANSI-JIS

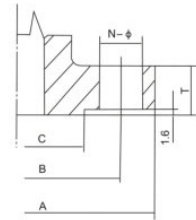
单位 Unit:mm

公称管径 Nominal diameter	SCH.40		SCH.80		D	L
	D	L	D	L		
1/4	14.5	10.0	14.1	9.6	14.3	9.6
3/8	18.0	10.0	17.6	9.6	17.9	9.6
1/2	22.5	10.0	21.8	9.6	22.2	9.6
3/4	28.5	11.0				

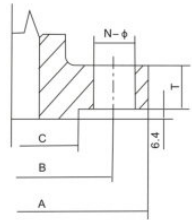
### 德标法兰DIN flange-2544-45-46



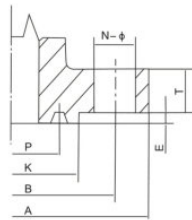
PN	DN	NPS	A	B	C	T	f	螺栓孔Bolt hole	
								N	φ
25	15	1/2	95	65	45	16	2	4	14
	20	3/4	105	75	58	18	2	4	14
	25	1	115	85	68	18	2	4	14
	32	1 1/4	140	100	78	18	2	4	18
	40	1 1/2	150	110	88	18	2	4	18
40	50	2	165	125	102	20	2	4	18
	15	1/2	105	75	45	20	2	4	14
	20	3/4	130	90	58	22	2	4	18
	25	1	140	100	65	24	2	4	18
	32	1 1/4	155	110	75	24	2	4	22
64	40	1 1/2	170	125	88	26	2	4	22
	50	2	180	135	95	26	2	4	22



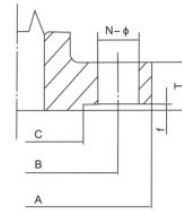
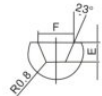
突面法兰 (RF)  
150~300LB



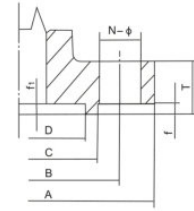
凸面法兰 (RF)  
600~2500LB



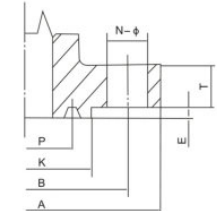
环槽面法兰 (RJ)  
600~2500LB



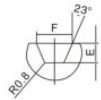
突面法兰 (RF)  
PN1.6~4.0MPa



凹面法兰 (FM)  
PN4.0~16.0MPa



环槽面法兰 (RJ)  
PN6.3~16.0MPa



### 国标法兰-JB/T79.1~4-94;JB/T82.1~4-94

单位Unit:mm

PN (MPa)	DN	A	B	C	D	T	f	f1	螺栓孔Bolt hole		环连接面Ring type joint				
									N	φ	K	P	F	E	
1.6	10	90	60	40	-	14	2	-	4	14	-	-	-	-	-
	15	95	65	45	-	14	2	-	4	14	-	-	-	-	-
	20	105	75	55	-	14	2	-	4	14	-	-	-	-	-
	25	115	85	65	-	14	2	-	4	14	-	-	-	-	-
	32	135	100	78	-	16	2	-	4	18	-	-	-	-	-
	40	145	110	85	-	16	3	-	4	18	-	-	-	-	-
2.5	50	160	125	100	-	16	3	-	4	18	-	-	-	-	-
	10	90	60	40	35	16	2	4	4	14	-	-	-	-	-
	15	95	65	45	40	16	2	4	4	14	-	-	-	-	-
	20	105	75	55	51	16	2	4	4	14	-	-	-	-	-
	25	115	85	65	58	16	2	4	4	14	-	-	-	-	-
	32	135	100	78	66	18	2	4	4	18	-	-	-	-	-
6.3	40	145	110	85	76	18	3	4	4	18	-	-	-	-	-
	50	160	125	100	88	20	3	4	4	18	-	-	-	-	-
	10	100	70	50	35	18	2	4	4	14	50	35	9	6.5	
	15	105	75	55	40	18	2	4	4	14	55	35	9	6.5	
	20	125	90	65	51	20	2	4	4	18	68	45	9	6.5	
	25	135	100	78	58	22	2	4	4	18	78	50	9	6.5	
10.0	32	150	110	82	66	24	2	4	4	23	82	65	9	6.5	
	40	165	125	95	76	24	3	4	4	23	95	75	9	6.5	
	50	175	135	105	88	26	3	4	4	23	105	85	12	8	
	10	100	70	50	35	18	2	4	4	14	50	35	9	6.5	
	15	105	75	55	40	20	2	4	4	14	55	35	9	6.5	
	20	125	90	68	51	22	2	4	4	18	68	45	9	6.5	
16.0	25	135	100	78	58	24	2	4	4	18	78	50	9	6.5	
	32	150	110	82	66	24	2	4	4	23	82	65	9	6.5	
	40	165	125	95	76	26	3	4	4	23	95	75	9	6.5	
	50	195	145	112	88	28	3	4	4	25	112	85	12	8	
	15	110	75	55	40	24	2	4	4	18	52	35	9	6.5	
	20	130	90	62	51	26	2	4	4	23	62	45	9	6.5	
2500	25	140	100	72	58	28	2	4	4	23	72	50	9	6.5	
	32	165	115	85	66	30	2	4	4	25	85	65	9	6.5	
	40	175	125	92	76	32	3	4	4	27	92	75	9	6.5	
	50	215	165	132	88	36	3	4	8	25	132	95	12	8	

注Note:1.凸面、凹面法兰厚度(T)包括凸出部分高度f1, 环槽面法兰厚度(T)不包括凸出部分高度E。  
therefore or fm thickness (T) include bulge height f1, RJF thickness (T) not include height E.  
2. PN≤100法兰密封形式一般为凹面法兰, 如用户需要环密封法兰(RJ), 请与销售人员在合同中注明。  
When PN≤100, flange sealing type normal is rf, if user need RJ flange, please contact with our sell personnel and mark in contract.