

FORGED STEEL VALVE SERIES

锻钢阀系列



Industrial Piping System
Solutions Expert
工业管道系统解决专家

www.jtong.cn
www.jiutongvalve.com



中国·九通集团有限公司
CHINA · JIUTONG GROUP CO.,LTD.

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CHINA · JIUTONG GROUP CO.,LTD.

企业简介

Brief Introduction

www.jitong.cn
www.jitongvalve.com



诚信立业、追求卓越
Setting Up Business
In Good Faith, Seeking
For Excellence

中国·九通集团有限公司是集研发、制造、销售各种阀门为一体的大型综合性阀门企业。是中国阀门协会会员，国家电力公司电站配件供应网络成员，中国工程建设推荐产品单位。公司先后通过了ISO9001(DNV)、环境管理ISO14001、职业健康安全OHSAS18001、美国石油协会API-6D认证、欧盟安全CE认证、压力管道安全注册TS认证。

公司总部占地62800平方米，建筑面积43960平方米，现有员工200多人，其中高级工程师16人，中级技术人员56名。公司依托国外先进的技术支持和高效的管理，为生产高品质的产品提供了强有力的保证。投资兴建的工业园内建有热模锻、精密铸造、焊接、热处理、机械加工、装配等车间；拥有数控加工中心、等离子焊接机、超频真空热处理设备、车球专用数控、高效加工专机、理化和探伤设备、无损探伤检测中心等各类加工检测设备300多台套，设备配置齐全、加工检测手段完备。公司建立有CAD阀门设计中心，三维立体模拟制造实验设计系统、公司设备完备的质保系统，按照ISO9000的管理标准，从原材料进厂的产品出厂，实行道工序层层把关，确保产品质量。

公司产品按国际ISO、美国API、ANSI、英国BS、德国DIN、法国NF、日本JIS、JPI及GB、JB标准组织生产，阀门主要

产品有电站阀、闸阀、截止阀、止回阀、球阀、蝶阀、水力控制阀、锻钢阀、疏水阀、船用阀门、机械铸造、机械锻造、试验及检验设备等；压力级：Class150-class4500，PN10-PN420；口径范围：NPS1/2-NPS80，DN10-DN3000；驱动方式：手动、齿轮传动、气动、电动、气液联动等；连接方式：法兰连接、对焊连接、承插连接、对夹连接、螺纹连接、卡套连接等；主要材料（铸件）：WCB、WCC、LCB、LCC、LC1、LC2、LC3、CF8、CF3、CF8M、CF3M、CF8C、CN7M、CA15、C5、WC5、WC6、WC9等；主要材料（锻件）：A105、LF1、LF2、F304、F304L、F316、F316L、F11、F22、F6、F51、F316H、F321、F347等。并根据客户特殊要求进行冶炼和制造。多年来为电力、石油、化工、化肥、冶金、制药等行业引进装置进行阀门配置，产品畅销2000多家大中型企业，并致力开拓国际市场，已出口阀门数万（台）套，远销欧美、中东、东南亚等十多个国际和地区，得到用户的广泛赞誉和信赖。

展望未来，我们将与时俱进，锐意创新，时刻满怀创业的豪情和无限憧憬，昂首阔步，纵横千里，实行着又一个新的跨越。同时竭诚期待各界销售精英加盟，共建九通经销商网络，我们将以最优性价比的产品和服务，最富竞争的商务政策、回馈销售网络，与经销商朋友共谋发展，共赢未来。

China Jiutong Group Corporation is a large-scale comprehensive enterprise integrating R&D, manufacturing and sales of various valve, and one of the members of China Valve Association, State Power Corporation Power Station Accessories Supply Network and the recommending products list of Chinese engineering construction. It has passed successively the following certifications like ISO9001(DNV), Environmental Management ISO14001 and Occupational Health and Safety OHSAS18001, API-6D, CE and TS for Pressure Pipeline Safety Registration.

The corporation covers an area of 62800 sq.m, and a floorage of 43960 sq.m with a staff of more than 200 involving 16 senior engineers and 56 middle-grade technicians. A powerful assurance is offered to produce high quality products based upon foreign advanced technical support and high efficient management, the industry park invested has constructed the workshops of hot-press forging, precision casting, welding, heat treatment, mechanical processing, assembling and so on and has complete equipments and testing measures in possession of over 300 sets of various processing and testing equipments like CNC processing center, plasma welding machine, ultra-frequency vacuum heat treatment machine, ball-purpose CNC and efficient processor, physical & chemical detection machine, nondestructive inspection machine and so on. It has established CAD valve design center, three-dimensional Analogue manufacturing experimental design system and complete quality control system with armed equipments. The quality of products is guaranteed in each work procedure from the entrance of raw materials to the delivery of products in accordance with the standards of ISO9000.

The products, produced in accordance with ISO, API, ANSI, BS, DIN, NF, JIS, JPI, GB and JB, include power station valve,

gate valve, globe valve, check valve, ball valve, butterfly valve, hydraulic valve, forged steel valve, drainage valve, boat-purpose valve, mechanical forging, mechanical casting, testing and examination equipments etc., under the pressure classes from Class150 to class 4500 (PN10-PN420), the diameter ranging from NPS 1/2 to NPS80 (DN10-DN3000), they are driven by the modes of manually, gears, pneumatically, electrically, pneumatically-hydraulically and the connection modes like flange, butt-welding, socket, wafer, threads, sleeve and so on, and made of the following materials (casting parts): WCB, WCC, LCB, LCC, LC1, LC2, LC3, CF8, CF3, CF8M, CF3M, CF8C, CN7M, CA15, C5, WC5, WC6, WC9 and so on, and main materials (forging parts): A105, LF1, LF2, F304, F304L, 316, F316L, F11, F22, F6, F51, F316H, F321, F347 and so on, furthermore, the products can be melt and manufactured as per special requirements of clients, which are used to configure the valves of the introducing device in the fields like power supply, petroleum, chemicals, fertilizer, metallurgy and pharmacy, and are well sold to more than 2000 large and middle-scale enterprises and strive for exploiting international markets by exporting ten thousands of valves to ten odd nations and regions including Western countries, Middle East and Southeast Asia, and are widely trusted and appraised by clients.

Looking forward to the future, we will keep pace to the times and innovation, take a leap of new summit with full ambition and expectation of enterprising, moreover, we are sincerely looking forward to the joining of sales elite in various cycles to commonly develop dealer network of Jiutong, we will commonly make development and win-win policies with friends of dealers on the basis of products and service of best cost performance and most competitive business policies and the feedback of sales network.

品质保障
Quality Guarantee

品质，是核心理念！

我们将品质融入企业运行的每一环节，赋予现实的表现。

品质之路，积跬步，至千里，济天下，
立志成为值得人们信赖的阀门品牌企业。

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Quality, the Kernel Concept.

We have inosculated the quality into each step of enterprise management,not a slogan only.

The way of quality development, is accumulated step by step, then it can glow up lonh time, win the world market.

We aspired to become the reliable brand of valve appliances.

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我们珍惜用多年汗水铸造的品牌，珍惜每一份来之不易的荣誉。面对掌声我们没有眷恋徘徊，也不曾犹豫不决，我们把它化作前进的动力，一步一脚印、不断锐意进取、超越自我……

We cherish the brand casted by sweat and every hard-earned honor. Facing applause,
We never wandered and hesitated. We turn it into the power pushing us forward step by step.....

完善的检测保障系统
Completed Inspection Guarantee System



We Own Advanced Producing Equipment ,make Sure Of Completely New Managing Concept An Strong Professional Technology Force To Produce High Quality Products That Confirm With International Standard.

Advanced processing equipment, reliable quality guaranty best checking equipment, earnest checking measures, making sure of the steadiness and reliane of our products. Meticulous monitoring is the assurance of product quality. We never allow quality defect injuring our brand. Orderly production process and effective working efficiency is quitecrucial for making success.



产品目录

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阀门订货号

Figure Numbering

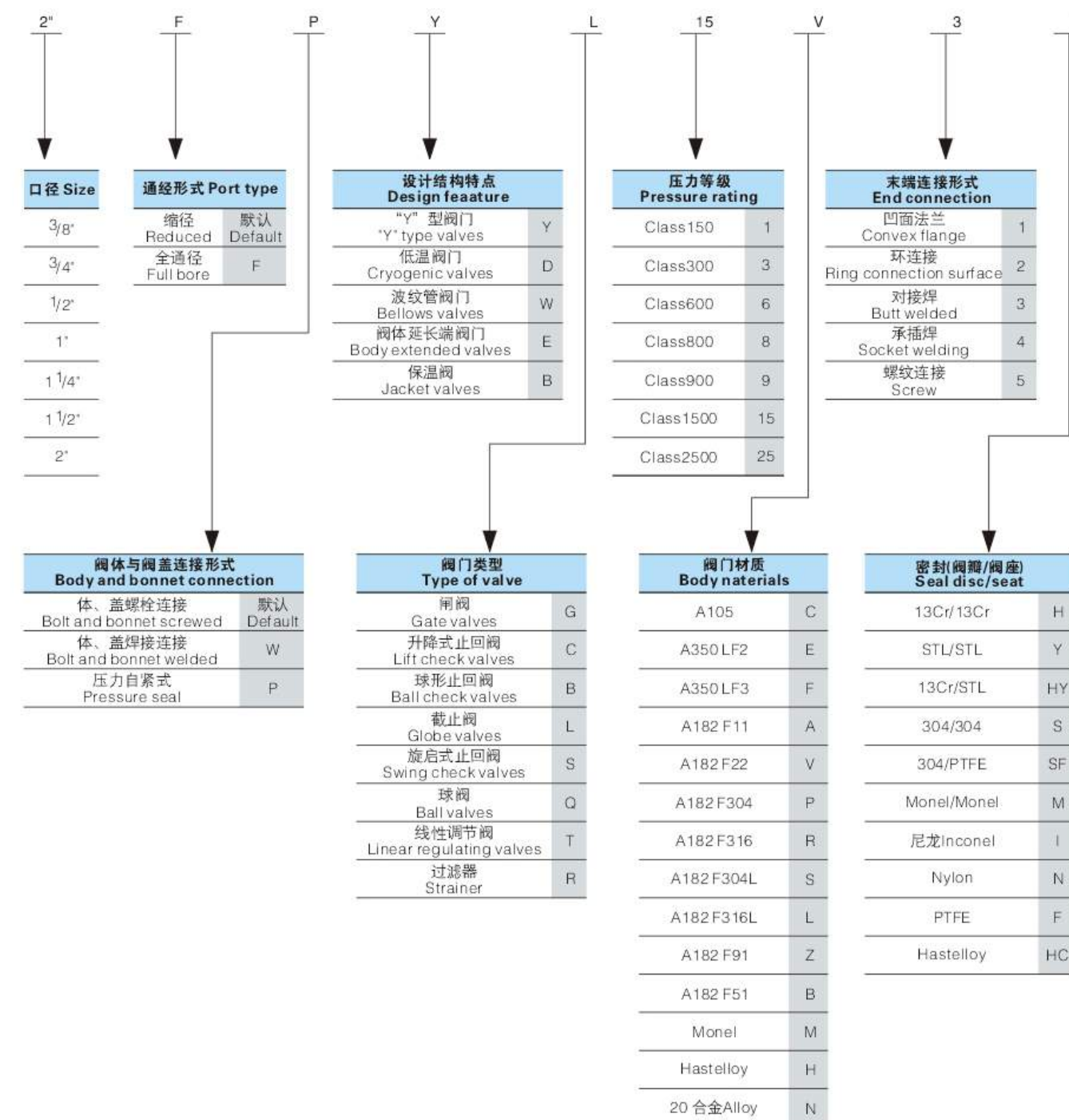


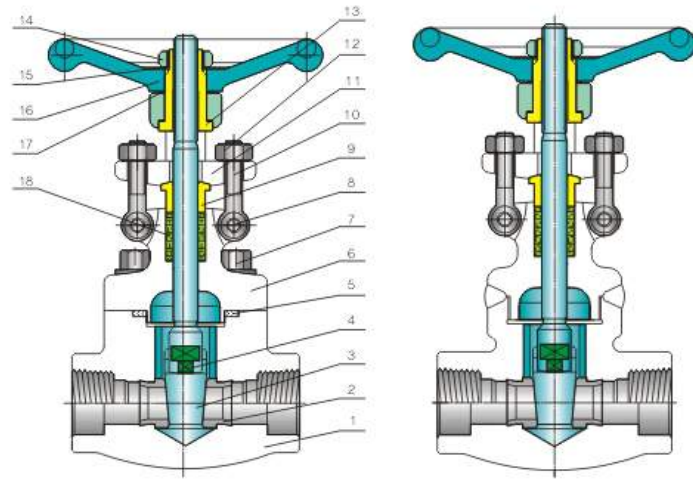
当您询问或订购我们的阀门时不必详细了解我们的阀门订货号编制系统。只要您能提供了您能所选阀门的充分描述，我们的销售部门就可以将其编译成相应的阀门订货号。所选阀门的充分描述应该是从阀门类型开始的，接着就是阀门口径、压力等级、两端连接形式、密封面材质或根据API 602所规定的内件号等等。

下面是我们给出的一个例子，目的是想用图示的方法来说明一个典型的阀门订货号，但如果需要更详细地说明，请向我们咨询。

A familiarity with our figure number system is not necessary when specifying or ordering our valves. Providing a full description of the valves is given, our Sales Office will translate this into a figure number. A full description of the valves would begin with the kind of valves, and would then go on to give size, pressure rating, end connection, seat-seal material etc.

We give an example below in order to illustrate a typical figure number, but if a fuller explanation is required, please consult us.





●应用规范 Application standards

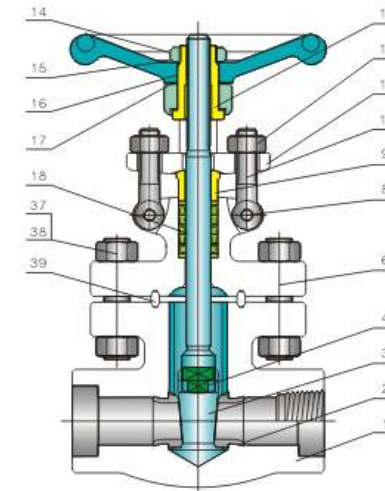
- 1、设计制造Design and manufacture conform to;
API 602、BS5352、ANSI B16.34;
- 2、连接端尺寸Connection ends conform to;
1)承插口尺寸按Socket welded dimension conform to ANSI B16.11;JB/T1751
2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1;JB/T7306
3)对焊端尺寸按Butt-welded conform to ANSI B16.25; JB/T12224
4)法兰端尺寸按Flanged 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Materials conform to ANIS/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。

●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

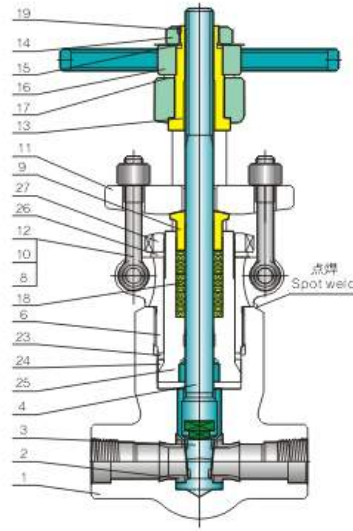
- 1、设计制造Design and manufacture conform to;
API 602、BS5352、ANSI B16.34;
- 2、连接端尺寸Connection ends conform to;
1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to;
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Materials conform to ANIS/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。

●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
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
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
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



●应用规范 Application standards

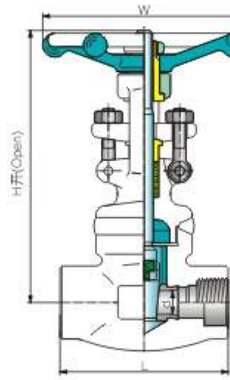
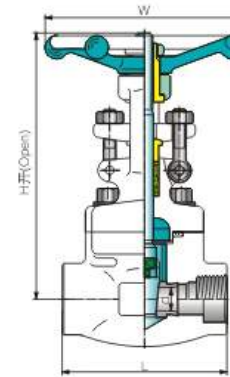
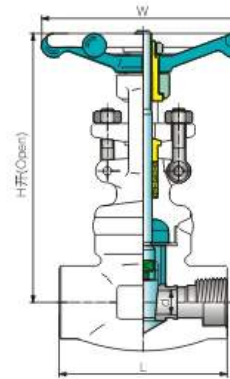
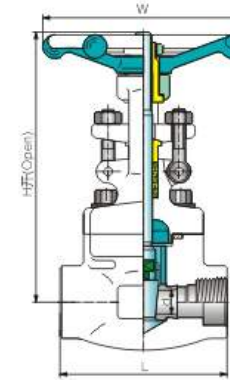
- 1、设计制造Design and manufacture conform to:
API 602、BS5352、ANSI B16.34
- 2、连接端尺寸Connection ends conform to:
1)承插口尺寸按Socket welded dimension conform to
ANSI B16.11;JB/T1751
2)螺纹端尺寸按Screw ends dimension conform to
ANSI B1.20.1;JB/T7306
3)对焊端尺寸按Butt-welded conform to ANSI B16.25;
JB/T12224
4)法兰端尺寸按Flanged 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:
A threaded and pressure seal bonnet
- 5、材料按Materials conform to ANIS/ASTM的规定.
- 6、主体材料Main materials:
A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321;
F91; Monel; 20 合金等Alloy.

●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)	F91/410 HF
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	F6aHF	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	A190
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
19	紧定螺钉 Stop nut	35	35	35	35	35	35	35
23	密封圈垫片 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	螺母垫片 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 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 API 602
Threaded, butt-welded or socket welded ends; design to API 602

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
流道孔径(mm) Flow port dimension	D	8	10.5	13.5	18	24	29	36.5	45	51
重量 Weight (Kg)		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 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 API 602
Threaded, butt-welded or socket welded ends; design to API 602

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
流道孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
重量 Weight (Kg)		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 reducing port outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊，设计按 API 602
Threaded, butt-welded or socket welded ends; design to API 602

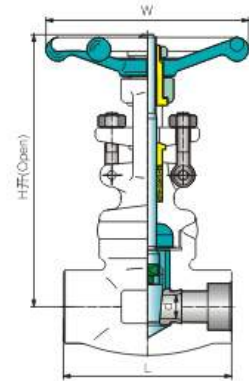
CL900-CL1500

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	111	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	191	191	192	219	243	296	316	370	-
流道孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
重量 Weight (Kg)		2.4	4.3	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 reducing port outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊，设计按 API 602
Threaded, butt-welded or socket welded ends; design to API 602

CL900-CL1500

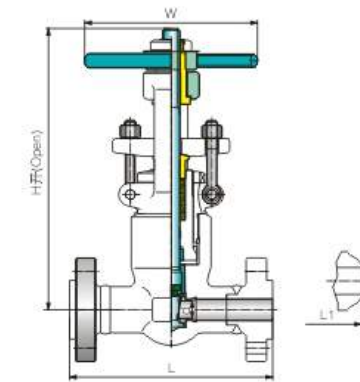
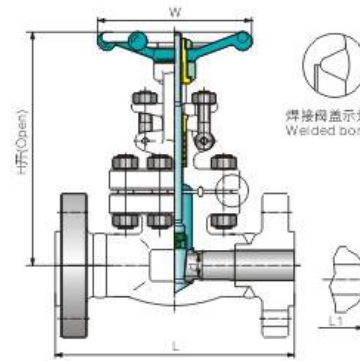
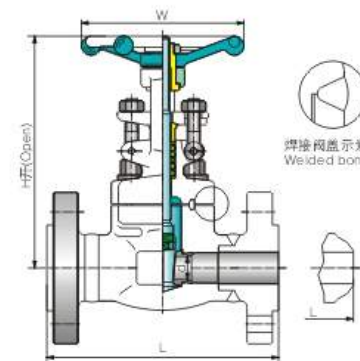
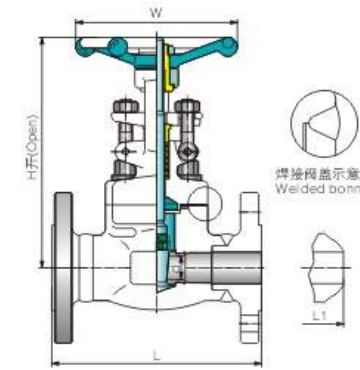
规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	111	111	120	120	140	178	180	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	160	200	220	-
中心高度(开)(mm) Height	H	171	207	207	240	258	330	355	370	-
流道孔径 Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
重量 Weight (Kg)		2.3	4	4	4.8	7.1	11	16	22.8	-



CL2500

焊接连接闸盖, 全径, 明杆支架 (OS & Y)
Welded bonnet, full port outside screw and yoke (OS & Y)
末端连接为承插连接, 设计按 ASME B16.34
Socket welded ends, design conform to ASME B16.34

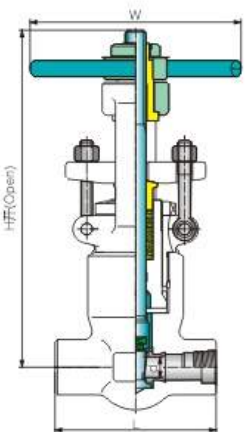
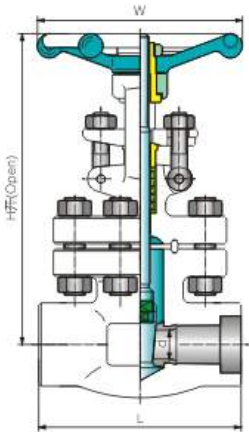
规格(NPS) Specification	F.P	1/4	3/8	1/2	3/4	1	1 1/4	2
结构长度(mm) Face to face	L		111	120	120	120	140	
手轮直径(mm) Handwheel diameter	W		125	160	160	180	220	
中心高度(开)(mm) Height	H		215	218	220	238	281	
流道孔径(mm) Flow port dimension	d		14	14	14	19	25	
重量 Weight (Kg)			7	8.5	8.7	11.7	17	



CL1500-CL2500

焊接连接闸盖, 全径, 明杆支架 (OS & Y)
Bolted bonnet, full port outside screw and yoke (OS & Y)
末端连接为承插连接, 设计按 ASME B16.34
Socket welded ends, design conform 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	CL1500	110	150	150		210	235	
		CL2500	150	150	210		235	235	
手轮直径(mm) Handwheel diameter	W	CL1500	110	130	130		180	250	
		CL2500	130	130	250		300	300	
中心高度(开)(mm) Height	H	CL1500	277	300	390		400	435	
		CL2500	293	300	390		435	435	
流道孔径(mm) Flow port dimension	d	CL1500	14	17	22		35	37	
		CL2500	14	14	14		25	30	
重量 Weight (Kg)		CL1500	5.1	11	12.1		22	37	
		CL2500	11	11.3	22.4		38	38	



CL1500-CL2500

压力自紧式密封闸盖, 全径, 明杆支架 (OS & Y)
Pressure seal bonnet, full port outside screw and yoke (OS & Y)
末端连接为承插连接, 设计按 ASME B16.34
Socket welded ends, design conform to ASME B16.34

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
		CL2500	186	186	186	186	232	232	279
手轮直径(mm) Handwheel diameter	W	CL900~1500	200	200	200	200	280	280	300
		CL2500	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	CL900~1500	318	318	318	322	467	468	540
		CL2500	325	325	325	327	467	468	540
流道孔径(mm) Flow port dimension	d	CL900~1500	14	14	14	19	25	30	36.5
		CL2500	14	14	14	19	25	30	36.5
重量 Weight (Kg)		CL900~1500	11.5	11.5	10.8	10.5	19.6	21.0	55.4
		CL2500	10.8	11.6	12.3	12.3	26.0	28.4	60.0

CL150-300-600

螺栓连接闸盖, 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

规格Specification(NPS)				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	CL150		L(RF) L1(BW)	-	-	108	117	127	140	165	178	190
	CL300			-	-	140	152	165	178	190	216	241
	CL600			-	-	165	190	216	229	241	292	330
手轮直径(mm) Handwheel diameter			W	-	-	100	100	125	160	160	180	200
中心高度(开)(mm) Height	CL150		H	-	-	176	184	217	226	250	290	357
	CL300,CL600			-	-	161	163	196	226	250	290	357
流道孔径(mm) Height (angle 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.

螺栓连接闸盖, 全径, 明杆支架 (OS & Y)
Welded 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 BS5352
Flange-welded or butt-welded ends; design to BS5352

CL900-CL1500

规格Specification(NPS)		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	180	200	220
中心高度(开)(mm) Height	H	-	-	191	192	219	257	296	316
流道孔径(mm) Height (angle dimension)	d	-	-	13.5	18	24	29	36.5	45
重量 Weight(Kg)		-	-	7.2	11.5	15.6	16.2	22.6	28.2

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.

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

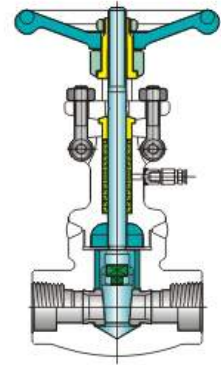
CL2500

规格Specification(NPS)		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
	L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Handwheel diameter	W	-	-	125	160	160	-	200	240
中心高度(开)(mm) Height	H	-	-	207	240	258	-	355	370
流道孔径(mm) Height (angle dimension)	d	-	-	13.5	13.5	19	-	30	36.5
重量 Weight(Kg)		-	-	19.5	21.5	42	-	65	95

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

CL2500

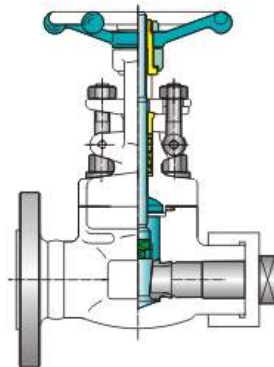
规格Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)	-	-	264	273	308	-	384	451
	L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Handwheel diameter	W	-	-	200	200	200	-	280	300
中心高度(开)(mm) Height	H	-	-	325	325	327	-	478	540
流道孔径(mm) Height (angle dimension)	d	-	-	13.5	13.5	19	-	30	36.5
重量 Weight(Kg)		-	-	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

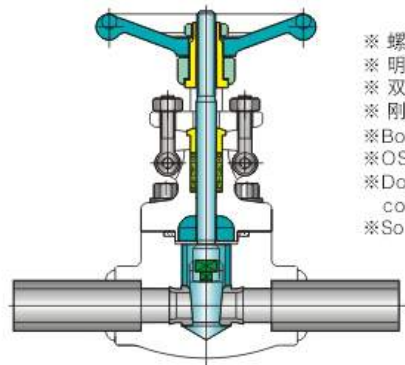
CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature-pressure rate	材料 Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Cast steel	13Cr	B7



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

●放空导淋阀 For venting and/or releasing media

CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature-pressure rate	材料 Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Cast steel	13Cr	B7

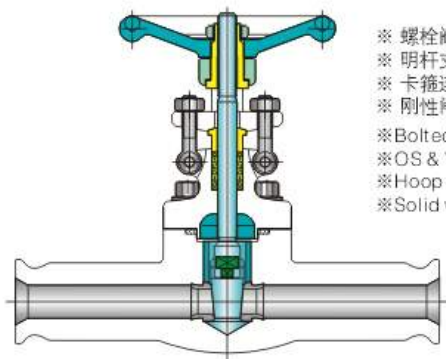


- ※螺栓阀盖
- ※明杆支架
- ※双头管接
- ※刚性闸板
- ※Bolted bonnet
- ※OS & Y
- ※Double end pipe connection
- ※Solid wedge

●管接阀门 Coupling pipe valves

CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature-pressure rate	材料 Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Cast steel	13Cr	B7

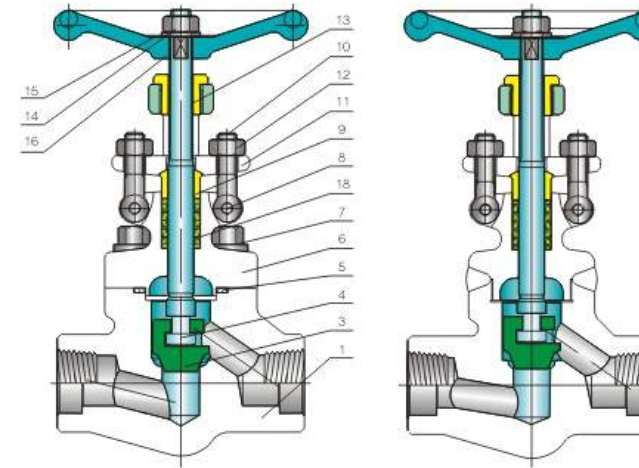
注：管接长度订货时须请与销售人员说明。
Please explain pipe length to sale person when you order.



- ※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 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature-pressure rate	材料 Materials		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Cast steel	13Cr	B7



●应用规范 Application standards

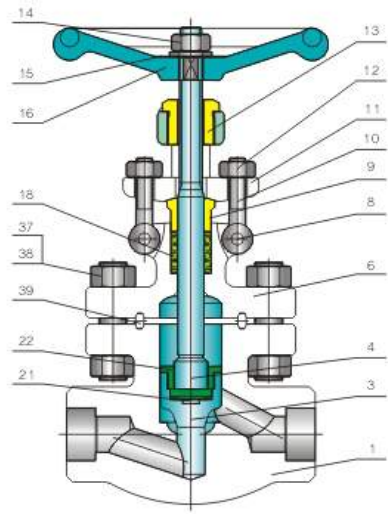
- 设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 连接端尺寸Connection ends conform to:
 - 承插口尺寸按Socket welded ends conform to ANSI B16.11; JB/T1751
 - 螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T7306
 - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 法兰端尺寸按Flanged ends conform to 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)
 - 或焊接阀盖(W.B)和明杆支架(OS & Y)
 - Bolted bonnet, outside screw and yoke
 - 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; 20 主体材料Alloy.

●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	销轴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

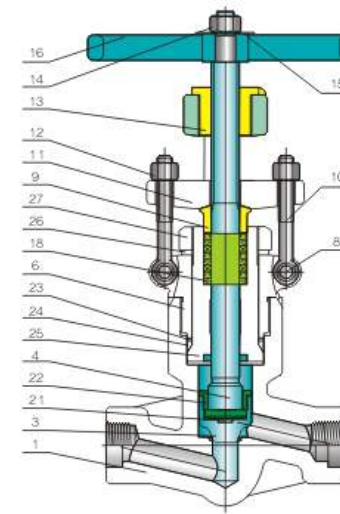
- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: 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)
或焊接阀盖(W.B)和明杆支架(OS & Y)
Bolted bonnet, outside screw and yoke
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 主体材料Alloy.

●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	304(L)	316(L)	F51



●应用规范 Application standards

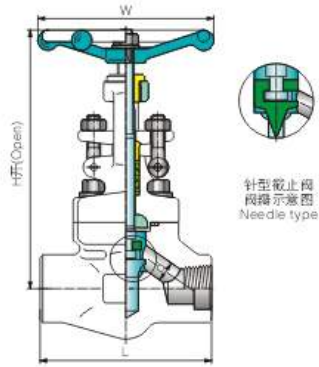
- 1、设计制造Design and manufacture conform to ASME B16.34;
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、结构特征Structure features:
螺栓连接阀盖自紧式密封
A threaded and pressure seal bonnet;
Y型或T型结构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; F91; Monel; 20合金等 Alloy.

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

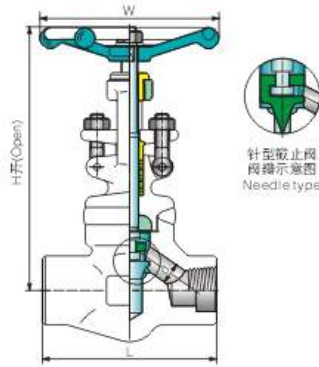
CL1500-3705 P.S.I @ 100° F CL2500-6170 P.S.I @ 100° F

●典型零件材料表 Main part materials list

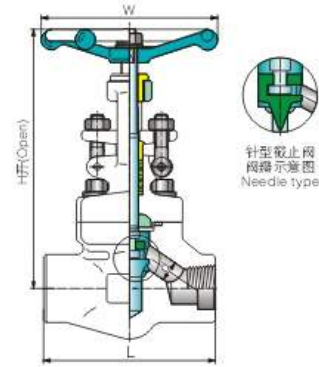
序号NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体 Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F91+HF
3	阀瓣 Disc	410	410	304	410	304(L)	316(L)	410+HF
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	410
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
8	销轴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	密封圈垫片 Seal ring 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 Cart steel	碳钢 Cart steel	碳钢 Cart steel	碳钢 Cart steel	不锈钢 Stainless steel	不锈钢 Stainless steel	碳钢 Cart steel



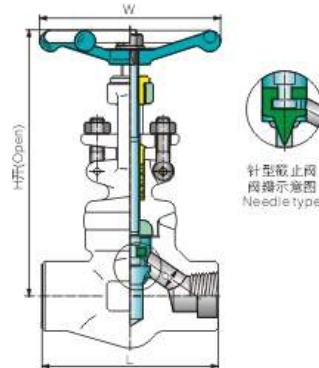
针型截止阀
Needle type



针型截止阀
Needle type



针型截止阀
Needle type



针型截止阀
Needle type

CL800

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)
末端连接可按螺纹或承插焊, 设计按 BS5352
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	79	79	92	111	120	152	172	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	164	164	164	203	224	260	300	355	
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	
重量 Weight (Kg)		1.9	2.28	2.37	4.3	5.75	7.8	12.5	17.5	

CL800

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或对焊, 设计按 BS5352
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	79	79	92	111	120	152	172	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	164	164	164	203	224	260	300	355	
流道孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	
重量 Weight (Kg)		1.7	1.7	1.9	3.3	5.2	6.8	10.6	13.8	

CL900-CL1500

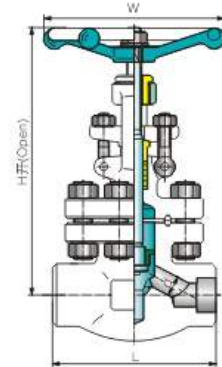
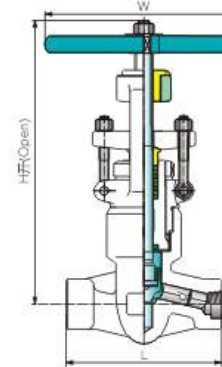
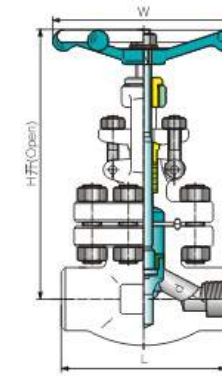
螺栓连接阀盖, 缩径和全径, 明杆支架 (OS & Y)
Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y)
末端连接可按螺纹或承插焊, 设计按 BS5352
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS) Specification	R.P	-	1/2	3/8	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	111	111	120	152	172	200	220	
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	240	-
中心高度(开)(mm) Height	H	171	207	207	240	258	330	355	370	-
流道孔径(mm) Flow port dimension	d	7	12	15	20	28	32	40	45	-
重量 Weight (Kg)		2.3	3.6	3.7	6.8	7.6	11.6	15	21.9	-

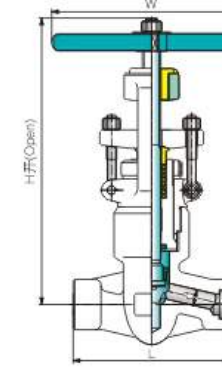
CL900-CL1500

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)
末端连接可按螺纹或承插焊, 设计按 BS5352
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	92	111	111	120	152	172	200	220	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	240	-
中心高度(开)(mm) Height	H	171	207	207	240	258	330	355	370	-
流道孔径(mm) Flow port dimension	d		12	15	20	28	32	40	45	-
重量 Weight (Kg)		2.2	3.3	3.4	5.6	6.0	10.3	14.2	18.0	-



焊接阀盖示意图
Welded bonnet



CL900-CL1500

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
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	110	110	150	150		210	235
手轮直径(mm) Handwheel diameter	W	110	110	130	180		210	250
中心高度(开)(mm) Height	H	227	227	300	307		400	448
流道孔径(mm) Flow port dimension	d	9	12	15	20		32	40
重量 Weight (Kg)		5	5	10	11.5		22	37

CL900-CL1500

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
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 Weight (Kg)		10.8	10.5	11.5	19.6	21.1	55.4	

CL2500

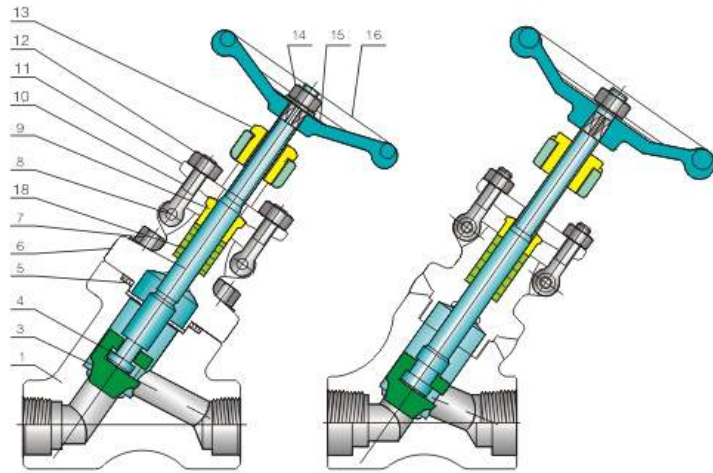
螺栓连接阀盖(RJ), 全径, 明杆支架 (OS & Y)
Bolted bonnet, full port outside screw and yoke (OS & Y)
末端连接为承插焊, 设计按 ASME B16.34
Socket welded ends, design conform to ASME B16.34

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	150	150	210		235	235	
手轮直径(mm) Handwheel diameter	W	130	130	250		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 Weight (Kg)		10	10.3	22.4		38	38	

CL2500

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)
末端连接为承插焊, 设计按 ASME B16.34
Socket welded ends, design conform 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 Weight (Kg)		10.8	11.6	12.3	26.0	28.4	60	



●应用规范 Application standards

- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 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/T 1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T 7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T 12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5; JB/T 79
- 3、阀门检查和试验Test and inspection conform to: API 598; GB/T 13927; JB/T 9092
- 4、结构特征Structure features:
 - 螺栓阀盖(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Alloy; 哈氏合金等Hastelloy.

●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	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	销轴Pin	410	410	410	410	304	304	304
9	填料压套 Gland	410	410	304	410	304	316	F51
10	活节压盖 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

螺栓连接阀盖, 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
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	
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 Weight (Kg)		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)
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
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	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	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 Weight (Kg)		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

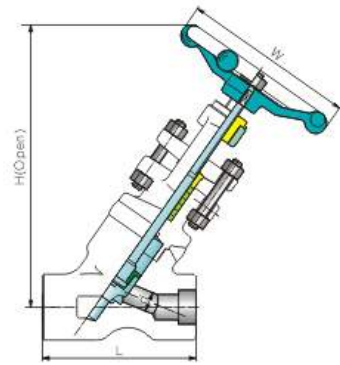
CL900-CL1500

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	98	111	111	140	140	155	170	
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 Weight (Kg)		2.6	4.6	4.6	9.3	9.3	14	19.6	

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

CL900-CL1500

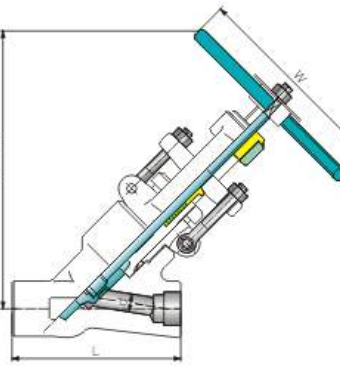
规格(NPS) Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	100	100	140	140	155	170	
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	
中心高度(开)(mm) Height	H	175	207	207	280	280	295	350	
流道孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40	
重量 Weight (Kg)		1.8	3.5	3.5	8.0	8.0	12	16	



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

CL2500

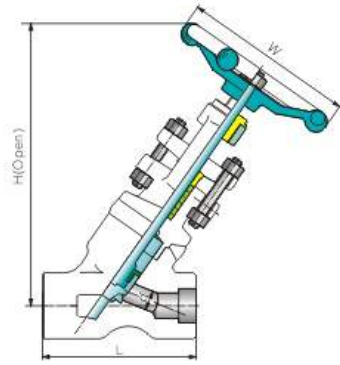
规格(NPS) Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	186	186	186	186	232	232	310
手轮直径(mm) Handwheel diameter	W	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	329	329	329	329	350	350	383
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量 Weight (Kg)		10.8	11.6	12.3	12.3	28.0	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, design conform to ASME 16.34

CL2500

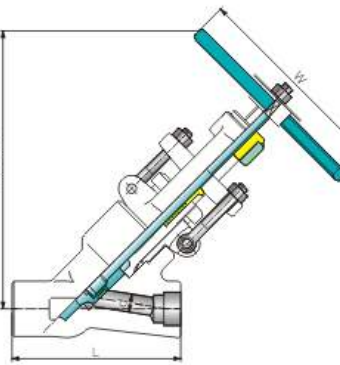
规格(NPS) Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	186	186	186	186	232	232	310
手轮直径(mm) Handwheel diameter	W	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	333	333	333	333	406	406	524
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量 Weight (Kg)		10.8	11.6	12.3	12.3	28.0	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, design conform to ASME 16.34

CL4500

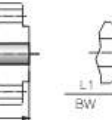
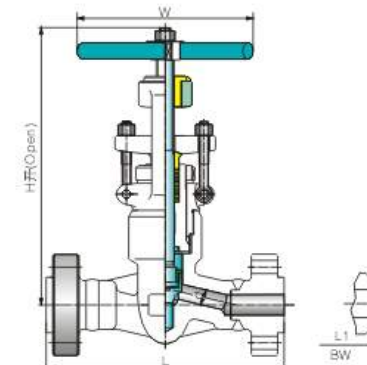
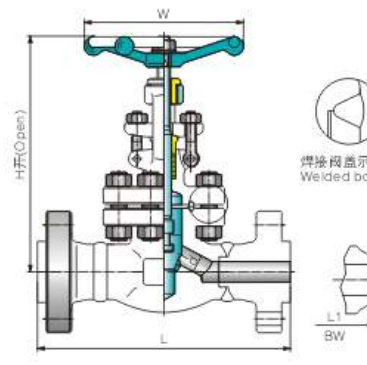
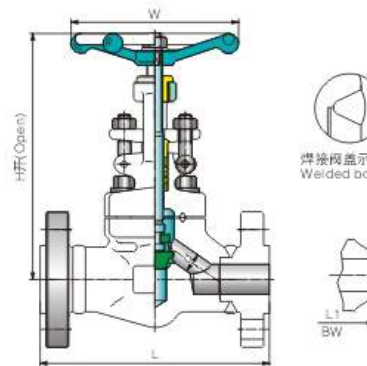
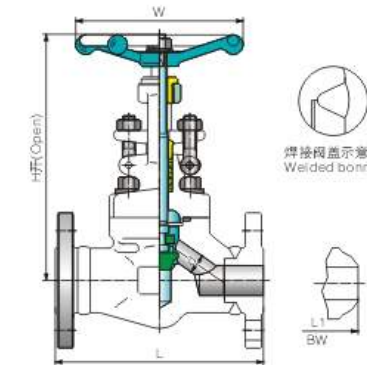
规格(NPS) Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	155	155	155	155		225	225
手轮直径(mm) Handwheel diameter	W	220	220	220	220		300	320
中心高度(开)(mm) Height	H	350	350	350	380		453	453
流道孔径(mm) Flow port dimension	d	9	11	11	15		26	28
重量 Weight (Kg)		9.4	9.6	9.6	10.5		34	36



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, 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 Weight (Kg)		30	30	30	30	30	36	58



螺栓连接阀盖, 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连接, 设计按 BS5352
Flange or butt-welding 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), L1(BW)	-	-	108	117	127	140	165	203
手轮直径(mm) Handwheel diameter	W	-	-	152	178	203	216	229	267
中心高度(开)(mm) Height	H	-	-	165	190	216	229	241	292
流道孔径(mm) Flow port dimension	d	-	-	100	100	125	160	160	180
重量 Weight (Kg)		-	-	180	184	217	224	260	300
		-	-	164	164	203	224	260	300
		-	-	9	13	17.5	23	30	35
		-	-	3.45	4.00	6.19	9.6	10.5	17
		-	-	2.3	3.6	7.8	8.2	12.0	15.0
		-	-	3.8	5.1	7.2	12	13.5	19.7
		-	-	2.8	4.0	8.5	9.2	12.6	16.8
		-	-	5.6	7.8	12.5	17	23.5	38.8
		-	-	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), 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
Flange or butt-welding design to BS5352

CL900-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), L1(BW)	-	-	216	229	254	279	305	368
手轮直径(mm) Handwheel diameter	W	-	-	216	229	254	279	305	371
中心高度(开)(mm) Height	H	-	-	125	125	160	160	180	200
流道孔径(mm) Flow port dimension	d	-	-	207	207	230	160	300	355
重量 Weight (Kg)		-	-	12	15	20	28	32	40
		-	-	11	13.2	17.4	19	24.5	31

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), 全径, 明杆支架(OS & Y)
Welded 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 design conform to ASME B16.34

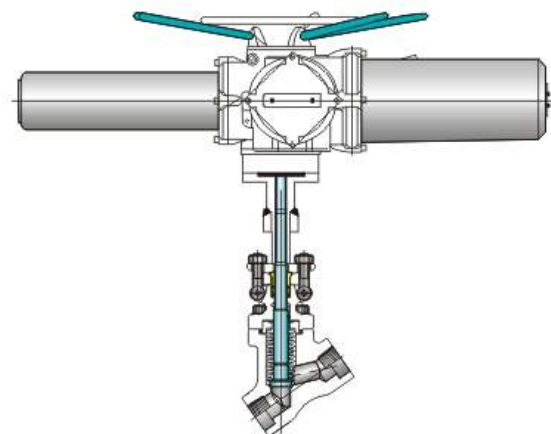
CL2500

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	-	384	451
手轮直径(mm) Handwheel diameter	W	-	-	264	273	308	-	387	454
中心高度(开)(mm) Height	H	-	-	125	160	200	-	250	240
流道孔径(mm) Flow port dimension	d	-	-	207	240	258	-	355	300
重量 Weight (Kg)		-	-	11	14	19	-	28	35
		-	-	19.5	21.5	42	-	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 design conform to ASME B16.34

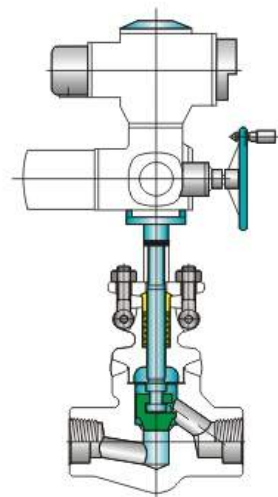
CL2500

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
手轮直径(mm) Handwheel diameter	W	-	-	264	273	308	349	387	454
中心高度(开)(mm) Height	H	-	-	200	200	280	280	280	300
流道孔径(mm) Flow port dimension	d	-	-	320	320	320	440	440	490
重量 Weight (Kg)		-	-	11	14	19	25	28	35
		-	-	21.5	24.7	30.4	48.1	58.1	130



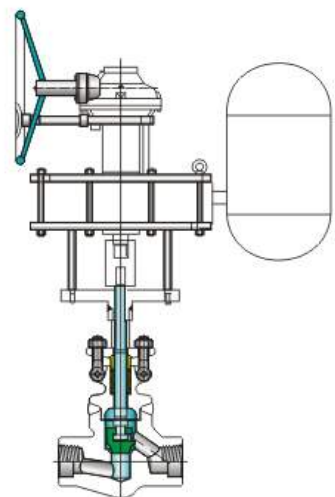
● 电动装置 Electric actuator

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



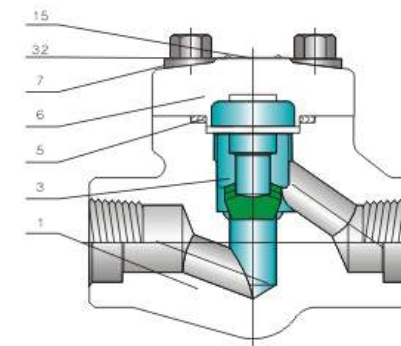
● 电动装置 Electric actuator

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

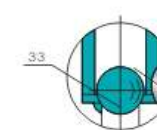


● 气动装置 Pneumatic actuator

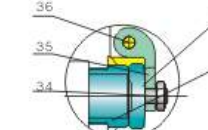
CLASS	材料Materials
150~2500	碳钢Carbon steel 不锈钢Stainless steel



如要加载弹簧请在定货单中注明
Please mark in you offer if you need load spring



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

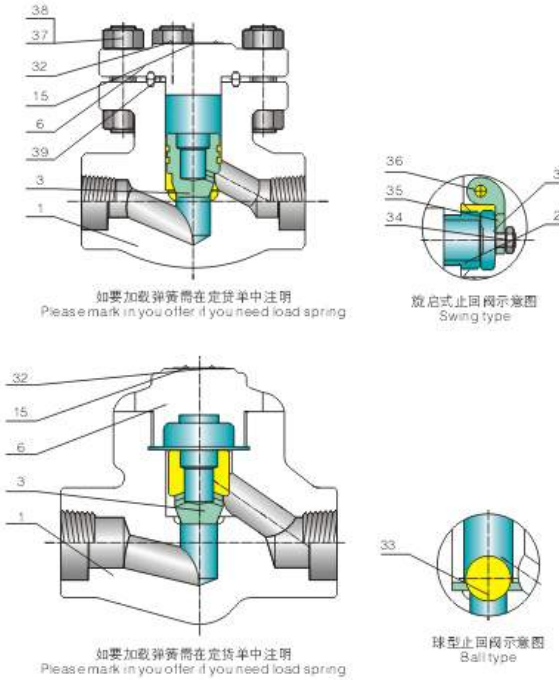
- 设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 连接尺寸Connection ends conform to:
 - 承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 法兰端尺寸按Flanged ends conform to ANSI 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) 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 合金等Alloy.

● 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

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

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 ring	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 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	销轴 Pin	410	410	304	410	304(L)	316(L)	F51



●应用规范 Application standards

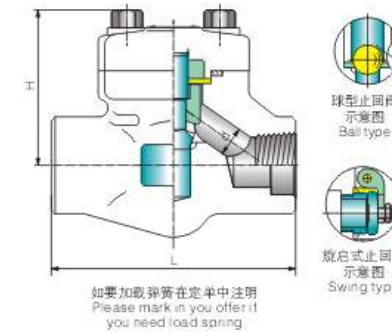
- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 2、连接尺寸Connection ends conform to;
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to; API 598; GB/T 13927; 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.

●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

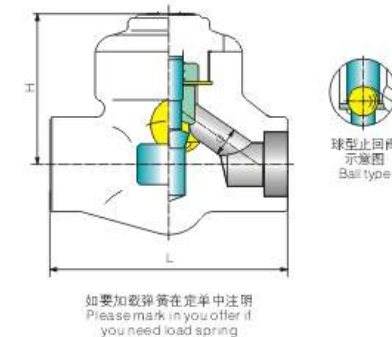
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈 Seat ring	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	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	销轴 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



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	200
		旋启式 Swing	79	79	92	111	120	120	140	178
中心高度(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 Weight (Kg)		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

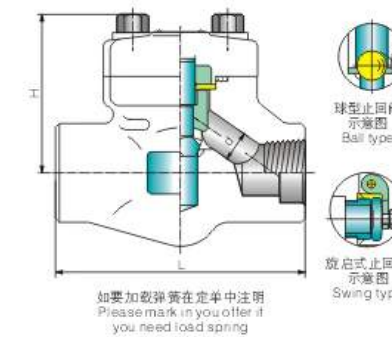
螺栓阀盖，缩径和全径。
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352



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	200
中心高度(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 Weight (Kg)		1.2	1.3	1.5	3.0	3.9	6.0	10	12

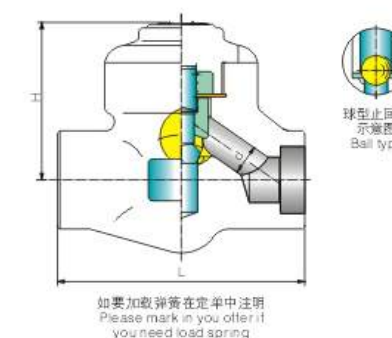
焊接阀盖，缩径和全径。
Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352



CL900-CL1500

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	92	111	111	120	152	172	200
		旋启式 Swing	92	111	111	120	120	140	178
中心高度(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 Weight (Kg)		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

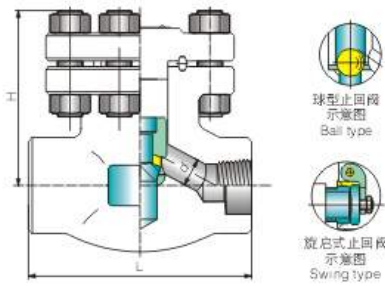
螺栓阀盖，缩径和全径。
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352



CL900-CL1500

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	92	111	111	120	152	172	200	
中心高度(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 Weight (Kg)		1.3	3.1	3.1	3.9	5.8	10.0	11.5	

焊接阀盖，缩径和全径。
Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352



CL900-CL1500

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 and reducing port
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	110	110	110	110	150	150	210	235
中心高度(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
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5
重量 Weight (Kg)		升降式 Lift	2	2.1	1.9	4	5.1	7.2	12.1
		旋启式 Swing	1.9	2.3	2.3	4.35	5.25	7.8	12.5

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

CL900-CL1500

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	216	216		
中心高度(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 Weight (Kg)			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
Threaded, butt-welded or socket welded ends; design to ASME B16.34

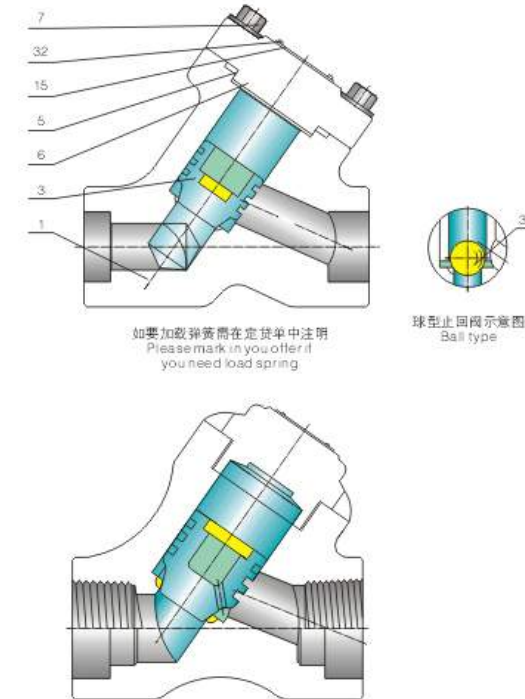
CL2500

规格(NPS) Specification	F.P	1/4	3/8	3/4	1/2	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	150	150	150	150	210	235	235	235
中心高度(mm) Height	H	166	166	171	207	240	258	330	355
流道孔径(mm) Flow port dimension	d	7.5	10.5	11	14	19	25	28	35
重量 Weight (Kg)		11.9	12.3	17	46	62	73	58	85

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
Threaded, butt-welded or socket 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			186	186	186	232	232	279
中心高度(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 Weight (Kg)				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 BS5352 MSS SP-118;
- 2、连接尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T175.1
 - 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: 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合金等 Alloy.

●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
CL4500-1111P.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Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	430	430	304	STL	316(L)	316(L)	STL

●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 ends conform to ANSI B16.11;JB/T175.1
 - 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: API 598; GB/T 13927; 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
A threaded and pressure seal bonnet; Y type and T type.
- 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.

●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
CL4500-1111P.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

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 and 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
结构长度(mm) Face to face	L	98	98	98	111	140	140	155	170
中心高度(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 Weight (Kg)		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 and 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
结构长度(mm) Face to face	L	79	79	92	100	140	140	155	170
中心高度(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 Weight (Kg)		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-CL1500

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(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 Weight (Kg)		2.1	4.2	8.9	9	10	18.6	20

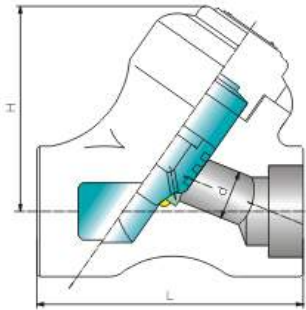
焊接阀盖, 全径。
末端连接为螺纹或承插焊或对焊, 设计按:BS5352
Welded bonnet, full port
Threaded, butt-welded or socket welded ends; design to BS5352

CL900-CL1500

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(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 Weight (Kg)		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

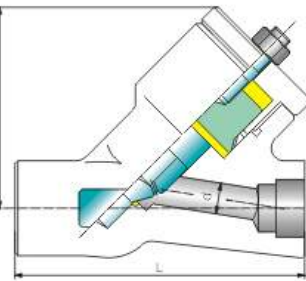
CL2500



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(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 Weight (Kg)		10.6	10.8	11.2	11.5	25	22	39

压力自紧式密封，螺栓连接阀盖，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

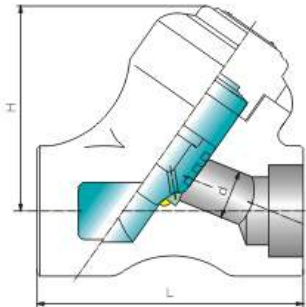
CL2500



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(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 Weight (Kg)		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

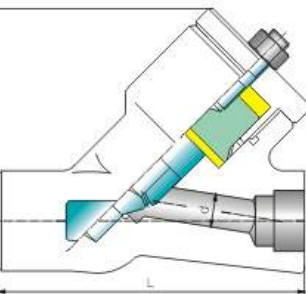
CL4500



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(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 Weight (Kg)		8	8.7	8.7	8.7		16.5	16

压力自紧式密封，螺栓连接阀盖，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

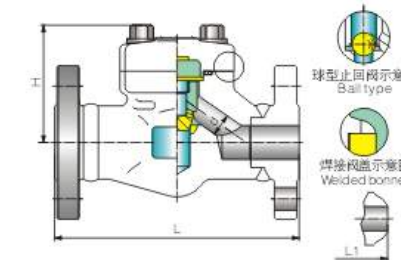
CL4500



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(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 Weight (Kg)		20	20	20	20	28	28	45

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

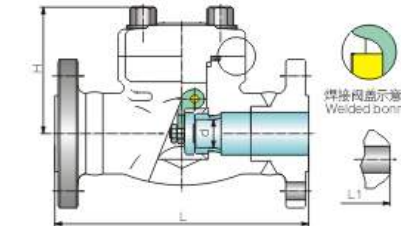
CL150-300-600



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	L(RF) L1(BW)	-	-	108 153	118 178	127 203	140 216	165 229	203 267
中心高度(mm) Height	H	-	-	77	81	93	95	103	118
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
	CL150 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
	CL300 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
	CL600 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, full port
Flange-welded or butt-welded ends; design to BS5352

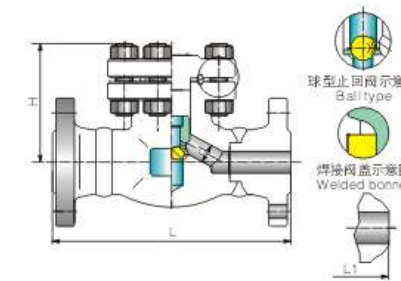
CL150-300-600



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	L(RF) L1(BW)	-	-	108 153	118 178	127 203	140 216	165 229	203 267
中心高度(mm) Height	H	-	-	77	81	93	95	103	118
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
	CL150 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
	CL300 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
	CL600 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-welded or butt-welded ends; design to BS5352

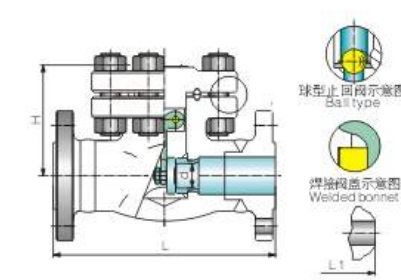
CL150-300-600



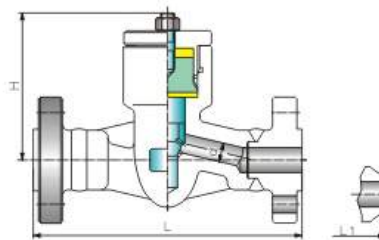
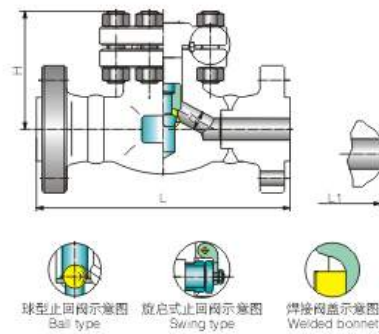
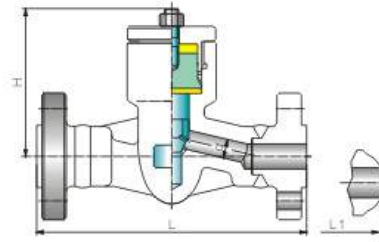
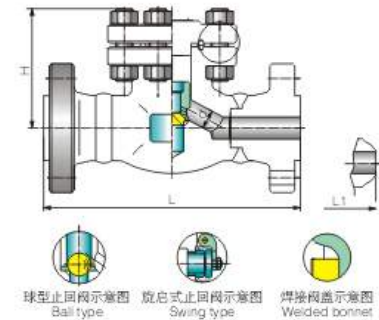
规格(NPS) Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF) L1(BW)	-	-	108 153	118 178	127 203	140 216	165 229	203 267
中心高度(mm) Height	H	-	-	77	81	93	95	103	118
流道孔径(mm) Flow port dimension	d	-	-	10	13	17.5	23	30	35
重量(Kg) Weight	CL150 RF	-	-	3.2	3.5	4.6	5.2	7.0	16
	CL150 BW	-	-	2.8	3.0	4.0	4.6	6.3	15
	CL300 RF	-	-	4.6	6.1	9.1	12	16	21
	CL300 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
	CL600 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-welded 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	L(RF) L1(BW)	-	-	108 153	118 178	127 203	140 216	165 229	203 267
中心高度(mm) Height	H	-	-	77	81	93	95	103	118
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
	CL150 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
	CL300 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
	CL600 BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5



CL900-CL1500

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

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	280	305	371	
中心高度(mm) Height	H	81	93	95	101	118	130	
流道孔径(mm) Flow port dimension	d	12	15	20	28	32	40	
	升降式 Lift	13.5	18	24	29	36.5	45	
重量 Weight (Kg)	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	

CL900-CL1500

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

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(RF), L1(BW)		216	229	254	280	305	268
	L(RTJ)		216	229	254	280	305	371
中心高度(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 Weight (Kg)			10.5	11.9	13.9	19.9	26.9	32.5

CL2500

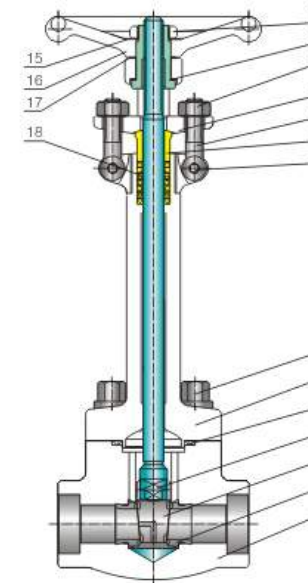
螺栓阀盖，全径。
末端连接法兰或对焊，设计按 ASME B16.34
Bolted bonnet, full port
Flange-welded or butt-welded ends; design to ASME B16.34

规格(NPS) Specification	F.P	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm) Face to face	L(RF), L1(BW)	264	273	308	349	384	450	
	L(RTJ)	264	273	308	352	387	454	
中心高度(mm) Height	H	81	93	95	101	118	130	
流道孔径(mm) Flow port dimension	d	12	15	20	28	32	40	
	升降式 Lift	10.5	13.5	18	24	29	36.5	
重量 Weight (Kg)	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	

CL2500

压力自紧式密封，螺栓连接阀盖，全径。
末端连接法兰或对焊，设计按 ASME B16.34
pressure seal, bolted bonnet, full port
Flange-welded or butt-welded ends; design to ASME B16.34

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(RF), L1(BW)		264	273	308	349	384	450
	L(RTJ)		264	273	308	352	387	454
中心高度(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 Weight (Kg)			12.6	14.9	16.5	24.8	30	35



应用规范 Application standards

1. 设计制造 Design and manufacture conform to API 602 BS5352 ANSI B16.34;
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. 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:
 - 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 ring	-	-	304	304	304(L)	316(L)	F51
3	闸板 Wedge disc	-	-	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	316+柔性石墨 Flexible graphite	316+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 bonnet full port & reduced port, OS&Y
末端连接可按螺纹或承插焊或对焊，设计按API 602
Threaded, butt-welded or socket welded ends; design to API 602

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	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
流道孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5	45	51
重量 Weight (Kg)		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 bonnet full port & reduced port, OS&Y
末端连接可按螺纹或承插焊或对焊，设计按API 602
Threaded, butt-welded or socket welded ends; design to API 602

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	79	111	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	550
		-46	285	285	287	309	343	396	420	480
流道孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5	45	
重量 Weight (Kg)		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 bonnet, reduced port, OS&Y
末端连接为焊接法兰或对焊连接，设计按API 602
Flanged or butt welded ends; design to API 602

CL150-300-600

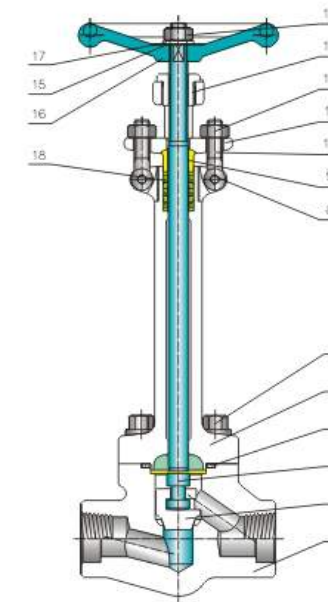
规格 Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度 (mm) Face to face	CL150	-	-	108	118	127		165	178	
	CL300	-	-	140	153	165		191	216	
	CL600	-	-	165	191	216		241	292	
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	160	160	180	
中心高度 (开)(mm) Height	H	-196		321	322	359	399	446	480	
		-46	-	285	287	309	343	396	420	
流道孔径(mm) Flow port dimension	d	-	-	10.5	13.5	18	24	29	36.5	
重量 Weight (Kg)	CL150	R F	-	-	5.0	5.5	8.8	13.5	15	20.3
		BW	-	-						
	CL300	R F	-	-	5.8	7.3	9.7	12.5	19.5	22.3
		BW	-	-						
	CL600	R F	-	-	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 bonnet, full port, OS&Y
末端连接可按螺纹或承插焊或对焊，设计按API 602
Flanged or butt welded ends; design to API 602

CL1500

规格 Specification(NPS)	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	325	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	480	
		-46	285	287	309	343	396	420	
流道孔径(mm) Flow port dimension	d		10.5	13.5	18	24	29	36.5	
重量 Weight (Kg)			14	23	25.3	35.7	47	72	

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.



●应用规范 Application standards

1. 设计制造 Design and manufacture conform to API 602 BS5352 ANSI B16.34;
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. 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
5. 材料 Materials conform to ANSI/ASTM.
6. 主体材料 Main materials:
 - LF2; LF3; 304(L); 316(L); F347; F321; F51; Monel;
 - 20 合金等 Alloy.

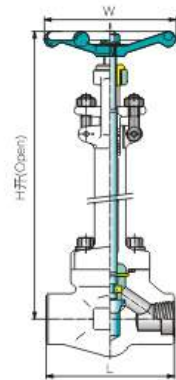
●碳钢温压等级

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

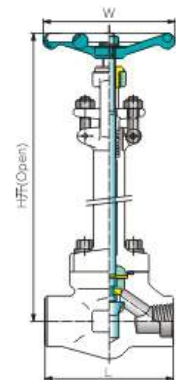
序号NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	LF3/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	-	-	LF2	LF3	F304(L)	F316(L)	F51
2	座圈 Seat ring	-	-	304	304	304(L)	316(L)	F51
3	闸板 Wedge disc	-	-	F304	F304	F304(L)	F316(L)	F51
4	阀杆 Stem	-	-	304	304	304(L)	316(L)	F51
5	垫片 Gasket	-	-	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+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	-	-	Graphite	Graphite	Graphite	Graphite	Graphite



CL800

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

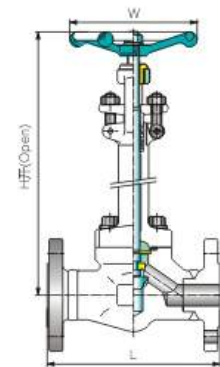
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	200
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200
中心高度(开)(mm) Height	H	-196°C -101°C	390	390	415	430	460	490	570
		-46°C	350	350	400	410	425	450	540
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46
重量 Weight (Kg)		7.2	7.2	7.2	9.5	10.8	13.5	19.8	29



CL1500

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

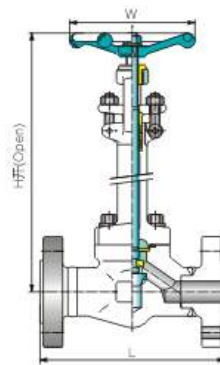
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	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	92	111	111	120	152	172	200	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	-
中心高度(开)(mm) Height	H	-196°C -101°C	370	370	370	410	410	474	546
		-46°C	350	350	400	410	425	450	480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



CL150-300-600

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
末端连接可按法兰连接或对焊，设计按 BS5352
Flanged or butt welded ends; design to BS5352

规格 Specification(NPS)	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)	-	-	108	118	127	-	165	203
	L1(BW)	-	-	153	178	203	-	229	267
	CL600	-	-	165	191	216	-	241	292
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	-	160	180
中心高度 (开)(mm) Height	H	-196°C -101°C	-	390	415	430	-	490	505
		-46°C	-	350	400	410	-	450	480
流道孔径(mm) Flow port dimension	d	-	-	9.0	13	17.5	-	30	35
重量 Weight (Kg)	CL150	-	-	5	5.8	8.6	-	13.8	24.3
	CL300	-	-	5.8	6.8	10.3	-	19.3	25.8
	CL600	-	-	6.3	7.3	10.6	-	20.3	26.8

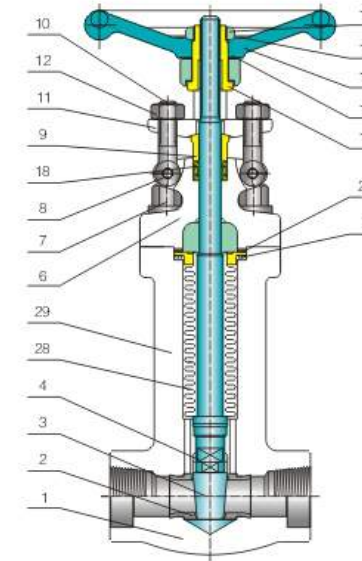


CL1500

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
末端连接可按法兰连接或对焊，设计按 BS5352
Flanged or butt welded ends; design to BS5352

规格 Specification(NPS)	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	280	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°C -101°C	-	370	370	410	410	474	546
		-46°C	-	350	400	410	425	450	480
流道孔径(mm) Flow port dimension	d	-	-	12	15	20	28	32	40

注:如需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.



●应用规范 Application standards

1. 设计制造 Design and manufacture conform to API 602; 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/T 175.1
 - 2) 螺纹端尺寸按 Screw ends conform to ANSI B1.20.1; JB/T 7306
 - 3) 对焊端尺寸按 Butt-welded ends conform to ANSI B16.25; JB/T 12224
 - 4) 法兰端尺寸按 Flanged ends conform to ANSI B16.5; JB 79
3. 检查和试验 Test and inspection conform to:
 - API 598; GB/T 13927; JB/T 9092
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. 主要材料 Main materials:
 - A105; 304(L); 316(L); F347; F321.
7. 主体材料 Bellow materials: 304, 321, 316, Inconel 625, Hastelloy C 276, Monel 等。

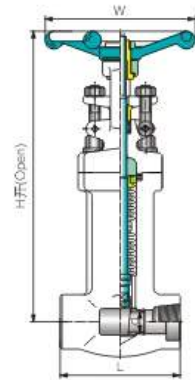
●碳钢温压等级

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

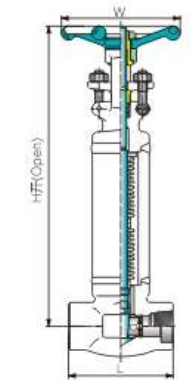
序号 NO.	零件名称 Part name	A105/F6a	A105/Fa6HFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105	A105	F304(L)	F316(L)
2	阀座 Seat	410	410HF	410HF	304(L)	316(L)
3	闸板 Wedge disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆 Stem	410	410	410	304(L)	316(L)
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible 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	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 eyebolt	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 Handwheel	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	F316L	F316L



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API 602、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to API 602/MSS-SP-117

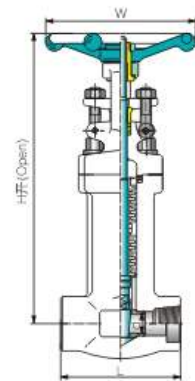
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180
中心高度(开)(mm) Height	H	255	255	285	345	445	545	594
流道孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量 Weight (Kg)		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API 602、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to API 602/MSS-SP-117

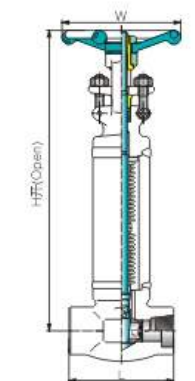
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180
中心高度(开)(mm) Height	H	248	548	777	335	437	537	585
流道孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量 Weight (Kg)		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API 602、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to API 602/MSS-SP-117

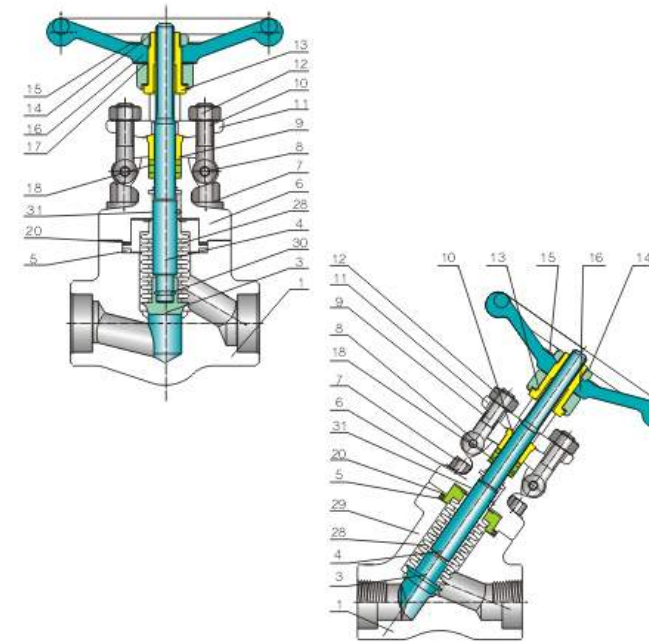
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	79	111	111	120	120	140	178
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	180
中心高度(开)(mm) Height	H	294	264	320	379	478	607	636
流道孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量 Weight (Kg)		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API 602、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to API 602/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
流道孔径(mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量 Weight (Kg)		2.9	4.7	4.7	5.7	7.4	16	19



●应用规范 Application standards

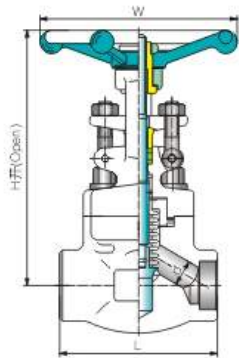
- 1、设计制造Design and manufacture conform to BS5352; MSS-SP-117
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、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、Inconel 625、Hastelloy C 276、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

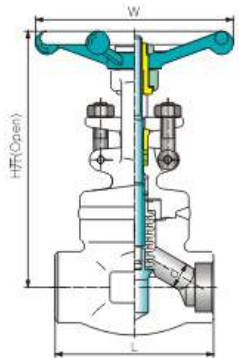
序号NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣 Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆 Stem	410	410	410	304(L)	316(L)
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+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)	B8(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 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	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



CL800

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

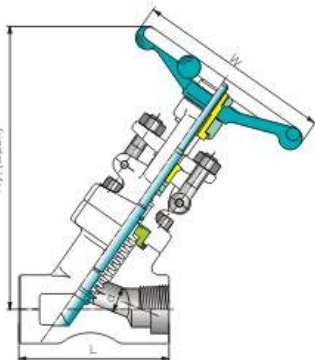
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	200	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm) Height	H	162	162	164	200	220	257	295	350	
流道孔径(mm) Flow port dimension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



CL800

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

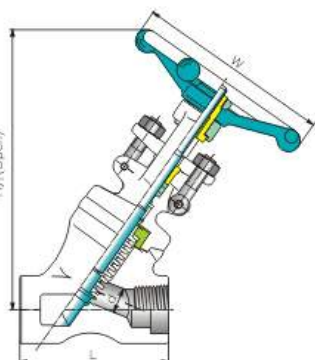
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	200	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm) Height	H	162	162	164	200	220	257	295	350	
流道孔径(mm) Flow port dimension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



CL800

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或对焊，设计按BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352、MSS-SP-117

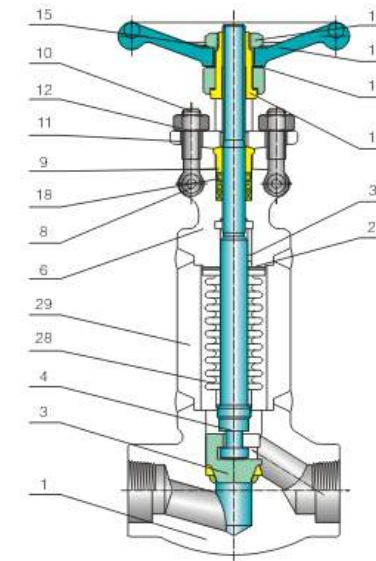
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	98	98	98	111	140	140	155	170	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm) Height	H	180	180	180	188	280	280	295	350	
流道孔径(mm) Flow port dimension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



CL800

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或对焊，设计按BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352、MSS-SP-117

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	100	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	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 Weight (Kg)		1.8	1.8	2.0	3.5	8.0	8.0	12	16	



●应用规范 Application standards

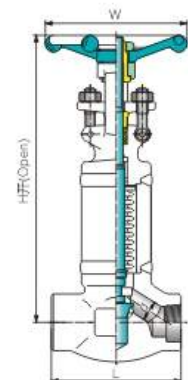
- 1、设计制造Design and manufacture conform to BS5352; MSS-SP-117
- 2、连接端尺寸Connection ends conform to;
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to; API 598; GB/T 13927; JB/T9092
- 4、结构特征Structure features;
 - 螺栓连接阀盖 (B.B)和明杆支架 (OS & Y)
 - 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; 304(L); 316(L); F347; F321.
- 7、波纹管材料Bellow materials; 304、321、316、Inconel 625、Hastelloy C 276、Mone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

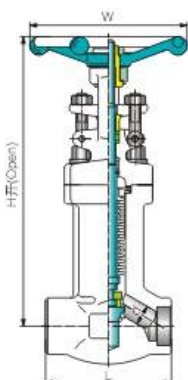
序号NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣 Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	垫片 Stem	410	410	410	304(L)	316(L)
6	螺栓 Bonnet	A105	A105	A105	F304(L)	F316(L)
8	销轴 Pin	410	410	410	304	304
9	填料压套 Gland	410	410	410	304	316
10	活节螺栓 Gland eyebolt	B7	B7	B7	B8(M)	B8(M)
11	填料压盖 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 Handwheel	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
29	接管 Coupling pipe	A105	A105	A105	A304(L)	A316 (L)
31	销 Pin	304	304	304	304	316



CL800

焊接连接阀盖，缩径和全径，明杆到架(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BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

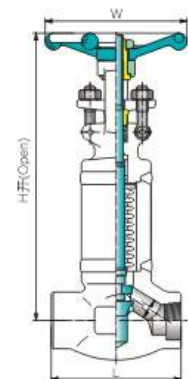
规格 Specification(NPS)	R.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	200
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200
中心高度(mm) Height	H	237	237	239	270	298	340	395	470
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46
重量 Weight (Kg)		2.5	2.6	2.7	4.4	6.7	8.8	15	18.8



CL800

螺栓连接阀盖，缩径和全径，明杆到架(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BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

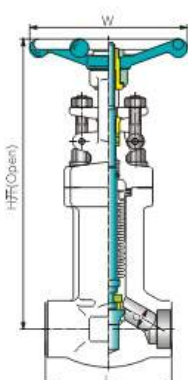
规格 Specification(NPS)	R.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	79	79	92	111	120	152	172	200
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200
中心高度(mm) Height	H	237	237	239	270	298	340	395	470
流道孔径(mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35	46
重量 Weight (Kg)		3.1	3.3	4.2	5.5	7.25	9.8	16	21



CL1500

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

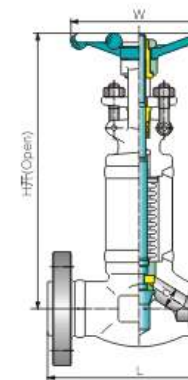
规格 Specification(NPS)	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	92	92	111	111	120	152	172	200
手轮直径(mm) Handwheel diameter	W	100	100	125	125	160	160	180	200
中心高度(mm) Height	H	290	330	380	380	400	450	520	650
流道孔径(mm) Flow port dimension	d	7	9	12	15	20	28	32	40
重量 Weight (Kg)		3.3	3.5	5	7.5	10	16	27	30



CL1500

螺栓连接阀盖，全径，明杆到架(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BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352/MSS-SP-117

规格 Specification(NPS)	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	111	120	152	172	200
手轮直径(mm) Handwheel diameter	W	100	100	125	125	160	160	180	200
中心高度(mm) Height	H	290	330	380	380	400	450	520	650
流道孔径(mm) Flow port dimension	d	7	9	12	15	20	28	32	40
重量 Weight (Kg)		3.3	3.5	5	7.5	10	16	27	30

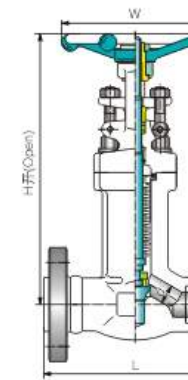


CL150-300-600

螺栓连接阀盖，缩径，明杆到架(OS & Y)
Bolted bonnet, reducing port outside screw and yoke(OS & Y)
末端连接为连接法兰或对焊，设计BS5352、MSS-SP-117
Flange-welded or butt-welded ends; design to BS5352/MSS-SP-117

规格 Specification(NPS)	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) L1(BW)	-	-	108	117	127	140	165	203
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	160	160	180
中心高度(mm) Height	H	-	-	340/350	340/350	360/375	380/400	450/470	540/570
流道孔径(mm) Flow port dimension	d	-	-	9	13	17.5	23	30	35
重量 Weight (Kg)	CL150 RF/BW CL300 RF/BW CL600 RF/BW	-	-	3.67/3	4.3/3.6	6.3/5.7	10.5/9.5	11.5/9.8	19.5/16

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.

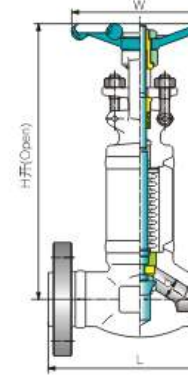


CL150-300-600

螺栓连接阀盖，缩径，明杆到架(OS & Y)
Bolted bonnet, reducing port outside screw and yoke(OS & Y)
末端连接为连接法兰或对焊，设计BS5352、MSS-SP-117
Flange-welded or butt-welded ends; design to BS5352/MSS-SP-117

规格 Specification(NPS)	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) L1(BW)	-	-	108	117	127	140	165	203
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	160	160	180
中心高度(mm) Height	H	-	-	340/350	340/350	360/375	380/400	450/470	540/570
流道孔径(mm) Flow port dimension	d	-	-	9	13	17.5	23	30	35
重量 Weight (Kg)	CL150 RF/BW CL300 RF/BW CL600 RF/BW	-	-	4.17/3.5	4.8/4.1	7.7/6.7	12.5/11.5	14/11.5	21.5/18

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.

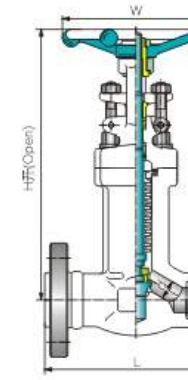


CL1500

螺栓连接阀盖，全径，明杆到架(OS & Y)
Bolted bonnet, full port outside screw and yoke(OS & Y)
末端连接为连接法兰或对焊，设计BS5352、MSS-SP-117
Flange-welded or butt-welded ends; design to BS5352/MSS-SP-117

规格 Specification(NPS)	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	280	305	368
手轮直径(mm) Handwheel diameter	W	-	-	125	125	160	160	180	200
中心高度(mm) Height	H	-	-	380	380	400	450	520	650
流道孔径(mm) Flow port dimension	d	-	-	12	15	20	28	32	40
重量 Weight (Kg)		-	-	11.1	11.8	14.1	16.5	23.8	37.5

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.



CL1500

螺栓连接阀盖，全径，明杆到架(OS & Y)
Bolted bonnet, full port outside screw and yoke(OS & Y)
末端连接为连接法兰或对焊，设计BS5352、MSS-SP-117
Flange-welded or butt-welded ends; design to BS5352/MSS-SP-117

规格 Specification(NPS)	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	280	305	368
手轮直径(mm) Handwheel diameter	W	-	-	125	125	160	160	180	200
中心高度(mm) Height	H	-	-	380	380	400	450	520	650
流道孔径(mm) Flow port dimension	d	-	-	12	15	20	28	32	40
重量 Weight (Kg)		-	-	11.6	12.3	15	17.5	25	38.3

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.

●应用规范 Application standards

- 1、设计制造: Design and manufacture conform to BS5352 MSS SP-118;
- 2、连接端尺寸: Connection ends conform to:
 - 1) 承插口尺寸: Socket welded ends conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸: Screw ends conform to ANSI B1.20.1; JB/T7306
 - 3) 对焊端尺寸: Butt-welded conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸: 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 or welding bonnet
- 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。

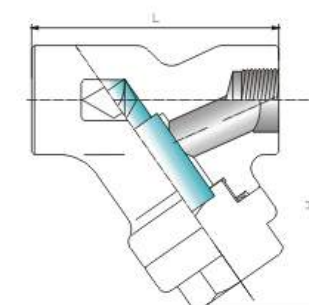
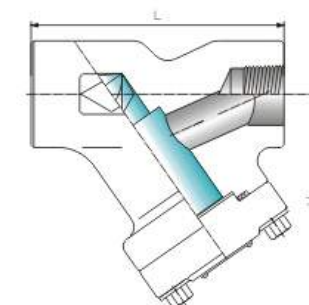
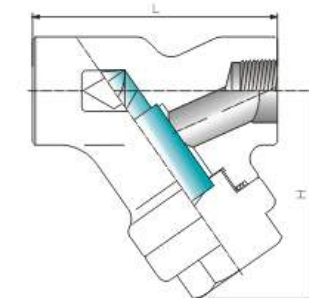
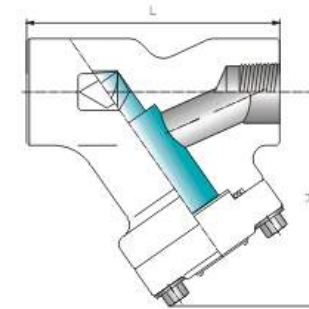
●碳钢温压等级 Carbon steel temperature-pressure rate

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
*如需提供排放堵塞须与销售说明
*Please offer the mesh of strainer
*If you want to equip with, you contract with 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/Fa6HFS	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 and 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	缩径(R.P) 全径(F.P)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
		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	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) Height (angle dimension)	d	7	9	13	17.5	30	30	35	46
重量(约) (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 and 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	缩径(R.P) 全径(F.P)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
		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) Height (angle dimension)	d	7	9	13	17.5	23	30	35	46
重量(约) (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, butt-welded or socket welded ends; design to BS5352

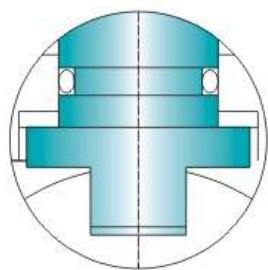
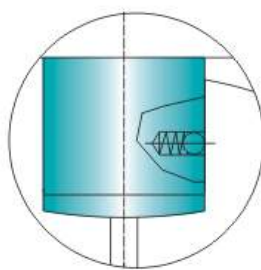
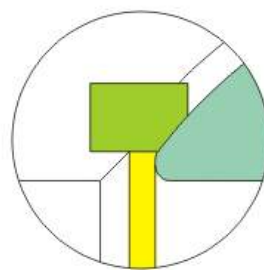
CL900-CL1500

规格(NPS) Specification	全径(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) Height (angle dimension)	d	9	12	15	20	28	32	40
重量(约) (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, butt-welded or socket welded ends; design to BS5352

CL900-CL1500

规格(NPS) Specification	全径(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) Height (angle dimension)	d	9	12	15	20	28	32	40
重量(约) (Kg) Weight		2.0	3.5	8.0	8.0	12	16	18

防阀杆吹出结构
Blow out proof stem防静电结构
Anti static防火结构
Fire safe

锻钢球阀采用紧凑型与接体结构，由于结构合理，占地空间少，密封性能好，深受广大用户信赖。

Compact ball valves are trusted by many customers because of its reasonable structures small space-occupation and good sealing performance.

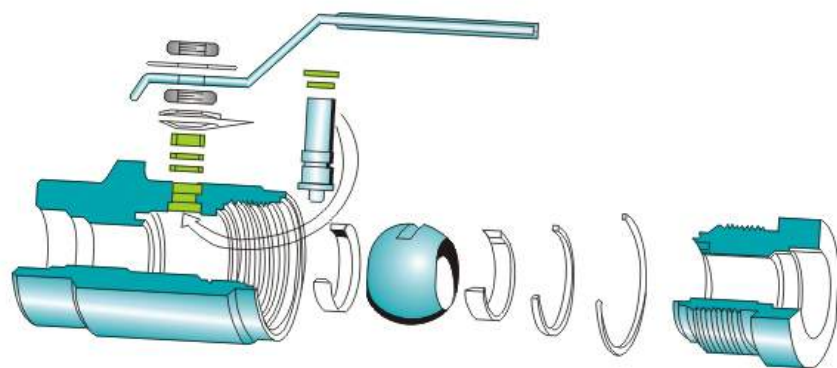
● 设计结构 Design structure

阀座采用PTFE+25%玻纤或PEEK。PTFE+25%玻纤在高压下能获得比PTFE更好的性能，而且还能减少酸性介质腐蚀，通常在800磅级的压力下采用；PEEK在高温高压下能获得较好的性能，通常在1500磅级的压力下采用。

具有防火、防静电以及防阀杆吹出结构。

Seat is made of PTFE reinforced with 25% glass fibre or PEEK. PTFE with 25% glass fibre can gain better performances normally used for class 800 ball valves. PEEK can gain better performances under high pressure and high temperature normally used for class 1500 ball valves.

Anti static/ fire safe/ blow out proof stem

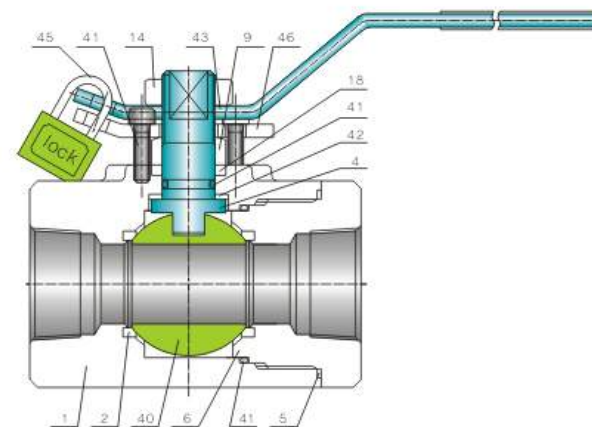


● 流量系数 Flow coefficient Cv

NPS	Cv系数 value	
	全径 Full port	缩径 Reduced port
1/4	8	
3/8	8	
1/2	12	8
3/4	33	12
1	48	33
1 1/4	83	48
1 1/2	120	83
2	250	120

● 应用规范 Application standards

- 1、设计制造Design and manufacture conform to BS5351 MSS SP-118;
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5JB79
- 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；两段式Bolted bonnet; two-piece;
- 5、材料：按Materials conform to ANSI/ASTM规定。
- 6、主体材料Main materials:
A105; LF2; 304(L); 316(L); F347; F321;
F51; Monel; 20合金等。

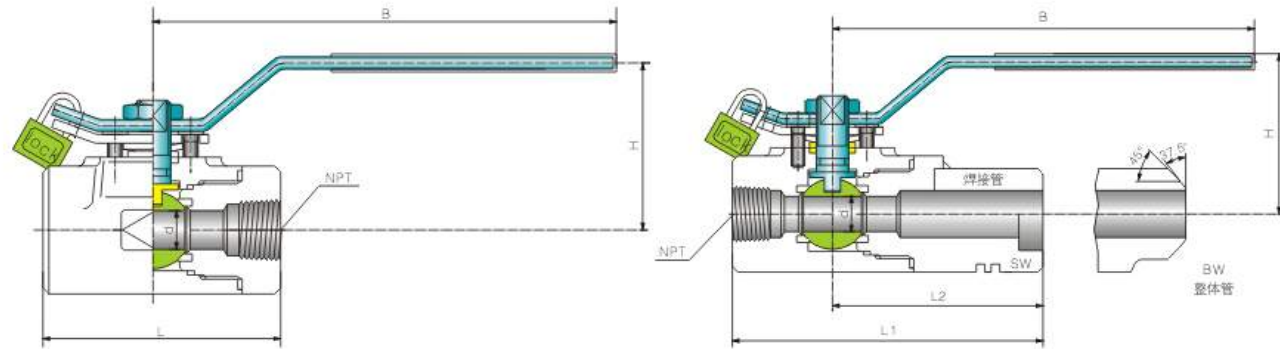


● 碳钢温压等级 Carbon steel temperature-pressure rate

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.	名称 Part name	A105/F6a	LF2/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	LF2	F304(L)	F316(L)	F51
2	阀座Seat	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK
4	阀杆Stem	410	304	304(L)	316(L)	F51
5	垫片Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
6	阀盖Bonnet	A105	LF2	F304	F316	F51
9	填料压套Gland	410	304	304(L)	316(L)	F51
11	填料压板Gland flange	A105	LF2	F304	F316	F51
14	扁螺母 Flat nut	8	8	8	8M	8M
18	填料Packing	PTFE	PTFE	PTFE	PTFE	PTFE
40	球体Ball	F6	F304	F304(L)	F316(L)	F51
41	O型密封圈O-ring	VITON	VITON	VITON	VITON	VITON
42	上密封垫片 Back seat gasket	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK
43	手柄Wrench	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025
44	内六角螺钉Screw	B8	B8	B8	B8M	B8M
45	锁Lock	成品	成品	成品	成品	成品
46	定位片Locator	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025



CL800

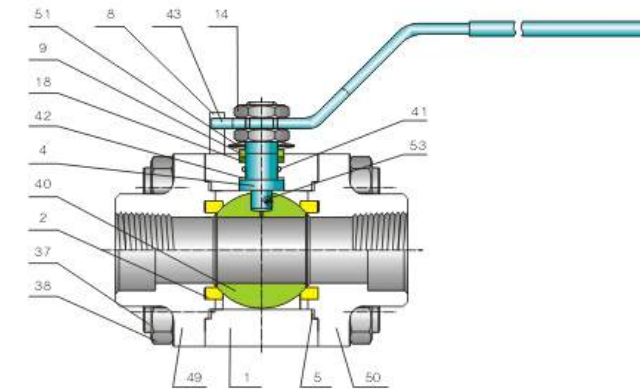
末端连接可按一端螺纹和一段接管（承插焊或对焊）设计按:BS5351
One end is welded pipe (butt-welding or socket welding) and the other is thread, design conform to BS 5351

规格(NPS) Specification	缩径(R.P)	1/2 3/4 1 1 1/4 1 1/2 2								
		全径(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	L1	70	70	80	95	115	125	135	155	
接管端至中心(mm) Coupling pipe end to center	L2	121	121	121	130	136	140	148	160	
中心至手柄端(mm) Center to handle end	B	160	160	160	160	170	230	230	280	
中心高度 (mm)Height	H	60	60	60	65	85	105	105	125	
流道孔径 (mm) Height(angle dinmension)	d	6	9	12.5	17	24	37	37	49	
重量(约)(kg) Weight		1.2	0.9	1.3	2.2	3.5	6.5	6.5	11	

CL1500-CL2500

末端连接可按一端螺纹和一段接管（承插焊或对焊）设计按:API6D
One end is welded pipe (butt-welding or socket welding) and the other is thread, design conform to API6D

规格(NPS) Specification	全径(F.P)	1/4 3/8 1/2 3/4 1 1 1/4 1 1/2 2								
		CL1500	CL1500	CL1500	CL1500	CL1500	CL1500	CL1500	CL1500	CL1500
结构长度 (mm) Face to face	L1	80	80	95	115	125	135	155	155	
接管端至中心(mm) Coupling pipe end to center	L2	121	121	130	136	140	148	160	175	
中心至手柄端(mm) Center to handle end	B	160	160	160	170	230	230	280	280	
中心高度 (mm)Height	H	60	60	65	85	105	105	125		
流道孔径 (mm) Height(angle dinmension)	d	6	9	13	19	25	32	38	49	
重量(约)(kg) Weight		1.2	1.5	2.5	3.7	5.8	11.5	13.7		



●应用规范 Application standards

- 1、设计制造: Design and manufacture conform to BS5351 MSS SP-118;
- 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:
API 598; GB/T 13927; JB/T 9092
- 4、结构特征 Structure features:
螺栓连接阀盖; 三段式 Bolted bonnet; three-piece;
- 5、材料: 按 Materials conform to ANSI/ASTM 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。

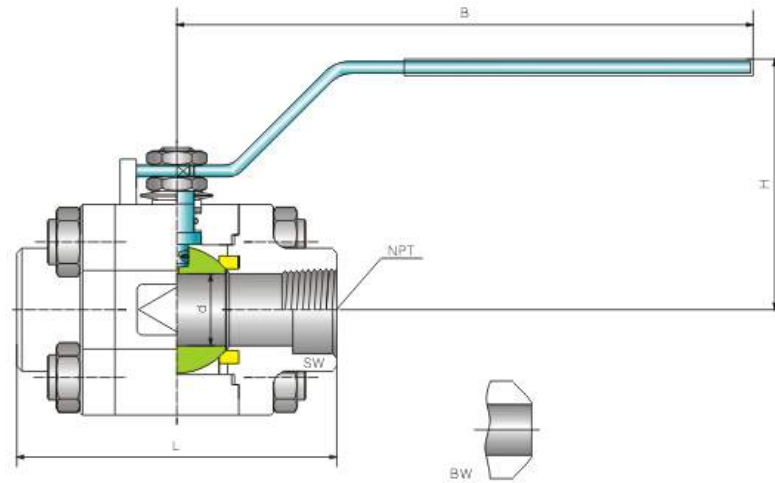
●碳钢温压等级

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.	名称 Part name	A105/F6a	LF2/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	LF2	F304(L)	F316(L)	F51
2	阀座Seat	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK
4	阀杆Stern	410	304	304(L)	316(L)	F51
5	垫片Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
8	圆柱销Pin	25	304	304	304	304
9	压套Gland	410	304	304(L)	316(L)	F51
14	扁螺母Flat nut	8	8	8	8M	8M
18	填料Packing	PTFE	PTFE	PTFE	PTFE	PTFE
37	双头螺栓Bolt	B7	B8	B8	B8M	B8M
38	螺母Nut	2H	8	8	8M	8M
40	球体Ball	F6	F304	F304(L)	F316(L)	F51
41	O型密封圈O-ring	VITON	VITON	VITON	VITON	VITON
42	上密封垫片 Back seat gasket	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK
43	手柄Wrench	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025
49	左阀盖 Left bonnet	A105	LF2	F304	F316	F51
50	右阀盖 Right bonnet	A105	LF2	F304	F316	F51
51	碟簧 Butterfly spring	65Mn	65Mn	304	304	304
52	弹垫 Elastic washer	65Mn	65Mn	304	304	304
53	静电弹簧 Anti-static spring	304	304	304	316L	316L



CL800-CL1500

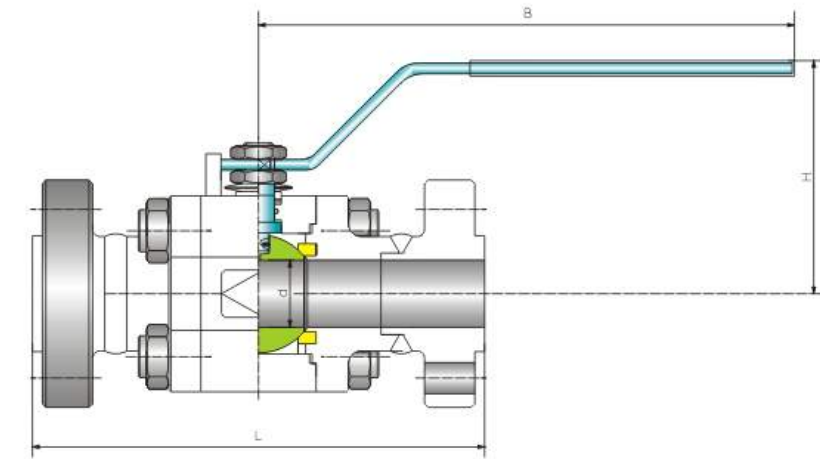
末端连接可按一端螺纹和一端接管（承插焊或对焊）设计按:BS5351
Connection ends may be pipe-welded (butt-welding or socket welding) and/or threaded, design to BS5351

规格(NPS) Specification	全径(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	L1	92	92	92	111	127	140	152	152
中心至手柄端(mm) Center to handle end	B	108	108	108	146	178	178	200	200
中心高度(mm)Height	H	51	51	51	108	81	85	105	105
流道孔径 (mm) Height(angle dinmension)	d	CL800	6	9	13	18	23	28	35
		CL1500	6	9	13	19	25	32	38
重量(约)(kg)Weight			2.5	2.4	2.3	3.4	5.4	6.4	11
			2.5	2.4	2.5	3.7	5.8	6.8	11.5

CL2500

末端连接可按一端螺纹和一端接管（承插焊或对焊）设计按:BS5351
Connection ends may be pipe-welded (butt-welding or socket welding) and/or threaded, design to BS5351

规格(NPS) Specification	全径(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			110	125	135		160	
中心至手柄端(mm) Center to handle end	B			170	230	230		310	
中心高度(mm)Height	H			95	110	125			
流道孔径 (mm) Height(angle dinmension)	d			13	19	25		38	
重量(约)(kg)Weight				2.7	4.1	6.3		12	



CL1500-CL2500

末端连接可按法兰或对焊，设计按:API 6D结构长度按工厂标准
Flanged or butt-welded ends; design to API 6D Face to face conforms to manufacture standard

规格(NPS) Specification	全径(F.P)		1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L	CL1500	216	229	2564	279	305	368
		CL2500	264	273	308	349	384	451
中心至手柄端(mm) Center to handle end	B	CL1500	230	230	350	280	400	400
		CL2500	280	280	95	350	400	400
中心高度 (mm)Height	H	CL1500	75	85	85	105	110	130
		CL2500	75	85	95	105	110	130
流道孔径 (mm) Height(angle dinmension)	d	CL1500	13	19	25	32	38	49
		CL2500	13	19	25	32	38	42
重量(约)(kg)Weight(Kg)		CL1500	2.5	5.8	5.8	6.8	11.5	13.7
		CL2500	2.7	6.3	6.3	6.8	12	15

● 阀体与阀盖材料 Body and bonnet materials

化学成份 Chemical composition	碳钢 Carbon steel	低温 Cryogenic		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	F11Class2	F22Class3	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	0.60-1.35	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	0.20
Si	0.10-0.35	0.15-0.30	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	F11Class2	F22Class3	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

化学成份 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		AISI 430	ASTM A194		
						B7	B8		2H	G8	
C	0.15max.	0.15max.	0.15max.	0.3max.	1.00	0.37-0.49	0.08max.	0.12max.	0.40min.	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	0.024	-	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	11.50-13.50	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	-	-	-	63.0min.	3.0max.	-	8.00-11.0	-	-	8.00-11.0	
Mo	-	0.600.max.	-	-	-	0.15-0.25	-	-	-	-	
Cu	-	-	-	28.0-34.0	-	-	-	-	-	-	
其它元素 Other element	-	-	-	Fe:2.5max. 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 70/130	85/170 85/170	149/298 105/210	70(2) 49.2	- -	125 87.8	75 52.7	75.4 53	- -	- -
屈服强度 Yield strength	59/170 42/120	59/128 42/90	119/199 84/140	25(2) 17.6	- -	105 73.8	30 21	40 28	- -	- -
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

温度压力等级
Temperature And Pressure Rate

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

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
-20 to 100	285	740	1480	1975	2220	3705	6170	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
300	230	655	1315	1750	1970	3280	5470	230	715	1430	1940	2150	3580	5965	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
500	170	600	1200	1595	1795	2995	4990	170	665	1330	1775	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
650	125	535	1075	1430	1610	2685	4475	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
750	95	505	1010	1345	1510	2520	4200	95	530	1055	1420	1585	2640	4400	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
850	65	270	535	715	805	1340	2230	65	485	965	1170	1450	2415	4030	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
950								35	275	550	695	825	1370	2285	35	320	640	1005	9550	1595	2655
1000								20	200	400	510	595	995	1655	20	215	430	595	650	1080	1800
1050									145	290	375	430	720	1200		145	290	365	430	720	1200
1100									100	200	275	300	495	830		95	190	225	290	480	800
1150									60	125	185	185	310	515		60	125	140	185	310	515
1200									35	70	120	105	170	285		40	75	95	115	190	315
1250																					
1300																					

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

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
-20 to 100	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250	275	720	1440	1920	2160	3600	6000
200	260	750	1500	1910	2250	3750	6250	260	750	1500	2000	2250	3750	6250	230	600	1200	1600	1800	3000	5000
300	230	730	1455	1805	2185	3640	6070	230	730	1455	1940	2185	3640	6070	205	540	1080	1410	1620	2700	4500
400	200	705	1410	1730	2115	3530	5880	200	705	1410	1880	2115	3530	5880	190	495	995	1255	1490	2485	4140
500	170	665	1330	1705	1995	3325	5540	170	665	1330	1775	1995	3325	5540	170	465	930	1165	1395	2330	3880
600	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040	140	435	875	1105	1310	2185	3640
650	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905	125	430	860	1090	1290	2150	3580
700	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730	110	425	850	1075	1275	2125	3540
750	95	530	1065	1420	1595	2660	4430	95	530	1065	1420	1595	2660	4430	950	415	830	1060	1245	2075	3460
800	80	510	1015	1355	1525	2540	4230	80	510	1015	1355	1525	2540	4230	80	405	805	1050	1210	2015	3360
850	65	485	975	1300	1460	2435	4060	65	485	975	1300	1460	2435	4060	65	395	790	1035	1190	1980	3300
900	50	450	900	1200	1350	2245	3745	50	450	900	1200	1350	2245	3745	50	390	780	1025	1165	1945	3240
950	35	375	755	1005	1130	1885	3145	35	385	775	1030	1160	1930	3220	35	380	765	1000	1145	1910	3180
1000	20	260	520	715	780	1305	2170	20	365	725	970	1090	1820	3030	20	320	640	860	965	1605	2675
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	550	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

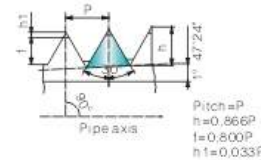
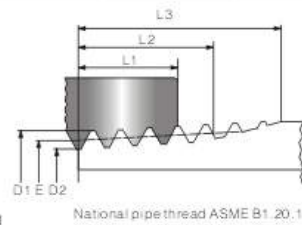
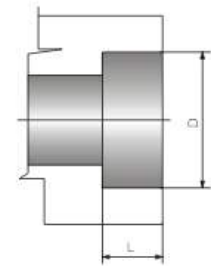
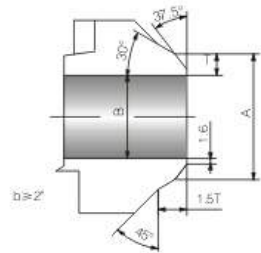
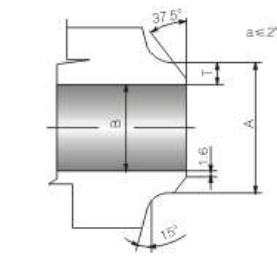
● 对接焊标准 Butt-welded standard ASME B16.25

单位Unit:mm

公称管径 Normal diameter	SCH.40			SCH.80			SCH.160			SCH.XXS		
	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	25.0	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 socket welded standard JB-ANSI-JIS 单位Unit:mm

公称管径 Normal diameter	中国GB		美国ANSI		日本JIS	
	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	27.1	12.7	27.7	12.7
1	34.5	12.0	33.8	12.7	34.5	12.7
1 1/4	43.0	14	42.6	12.7	43.2	12.7
1 1/2	49.0	15	48.7	12.7	49.1	12.7
2	61.2	16	61.2	15.9	61.2	15.9

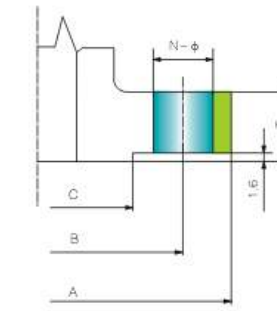
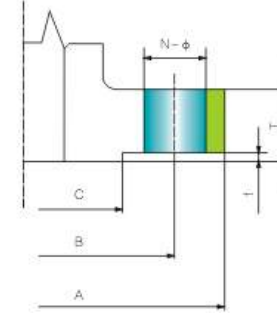
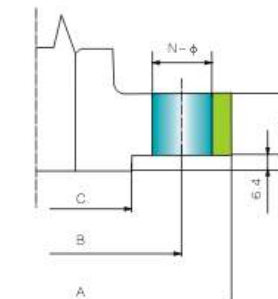
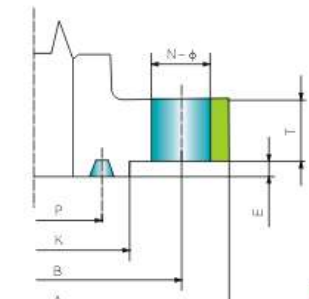
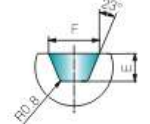


● 螺纹标准 Thread standard ASME B1.20.1

公称管径 Normal diameter		管外径 O.D. OF Pipe	牙数/英寸 Threads sep in.	螺距 Pitch of thread	O.D.AT Beginning of thread	管端螺纹中径 Pitch dia.at beginning of ext.thread	Root dia.at beginning of ext.thread	内外螺纹啮合长度 Handtight engagement	外螺纹有效长度 Effective thread ext.length	牙型高度 Overall length ext.thread
		D	N	P	D1	E	D2	L1	L2	L3
1/8	inch	0.41	1.06	0.04	0.39	0.36	0.26	0.18	0.26	0.39
	mm	10.29	27	0.940	9.982	9.233	6.484	4.572	6.703	9.967
1/4	inch	0.54	0.71	0.06	0.52	0.48	0.43	0.20	0.40	0.59
	mm	13.72	18	1.412	13.259	12.126	10.998	5.080	10.206	15.103
3/8	inch	0.67	0.71	0.06	0.66	0.61	0.57	0.24	0.41	0.60
	mm	17.14	18	1.412	16.662	15.545	14.427	6.096	10.358	15.255
1/2	inch	0.84	0.55	0.07	0.82	0.76	0.70	0.32	0.53	0.78
	mm	21.34	14	1.814	20.726	19.263	17.805	8.128	13.556	19.850
3/4	inch	1.05	0.55	0.07	1.03	0.97	0.91	0.34	0.55	0.79
	mm	26.67	14	1.814	26.035	24.580	23.139	8.611	13.861	20.155
1	inch	1.31	0.452	0.09	1.28	1.21	1.14	0.40	0.68	0.98
	mm	33.40	11.1/2	2.210	32.588	30.825	29.058	10.160	17.343	25.006
1 1/4	inch	1.66	0.45	0.09	1.63	1.56	1.49	0.42	0.71	1.01
	mm	42.16	11.1/2	2.210	41.326	39.550	37.795	10.688	17.953	25.616
1 1/2	inch	1.90	0.45	0.09	1.87	1.80	1.73	0.42	0.72	1.03
	mm	48.26	11.1/2	2.210	47.396	45.621	43.866	10.668	18.377	26.040
2	inch	2.37	0.45	0.09	2.34	2.27	2.20	0.44	0.76	1.06
	mm	60.32	11.1/2	2.210	59.411	57.633	55.855	11.074	19.215	26.878

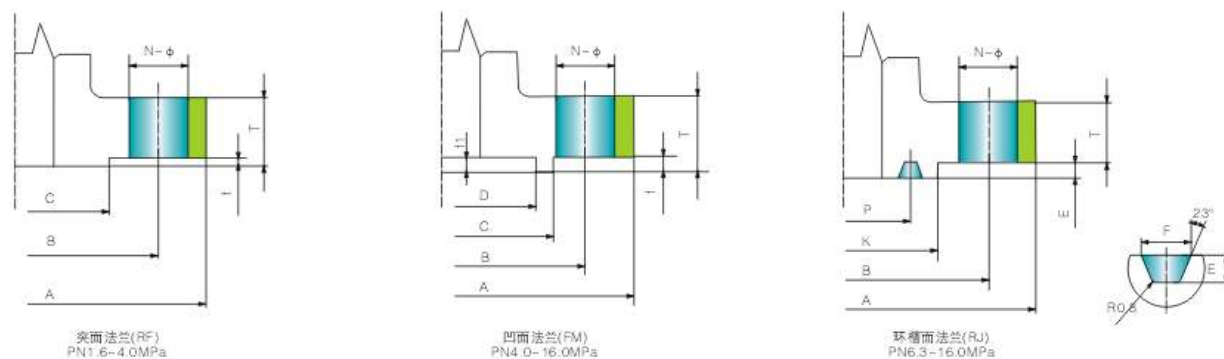
● 德标法兰 DIN flange-2544-45-46

PN	DN	NPS	A	B	C	T	f	螺栓孔	
								N	φ
25 40	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	3	4	18
64	50	2	165	125	102	20	3	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
	40	1 1/2	170	125	88	26	3	4	22
	50	2	180	135	95	26	3	4	22

奥面法兰(RF)
150-300Lb凸面法兰(RF)
600-2500Lb环槽面法兰(RJ)
600-2500Lb

● 美标法兰 Flange standard ASME B16.5

CLASS	NPS	A	B	C	T	螺栓孔Bolt hole		环连接面Ring type joint				环号 Ring No
						N	φ	K	P	F	E	
150	1/2	89	60.3	34.9	11.5	4	16	—	—	—	—	—
	3/4	98	69.8	42.9	13.0	4	16	—	—	—	—	—
	1	108	79.4	50.8	14.5	4	16	63.5	47.62	8.74	6.4	R15
	1 1/4	117	88.9	63.5	16.0	4	16	73.0	57.15	8.74	6.4	R17
	1 1/2	127	98.4	73.0	17.5	4	16	82.5	65.07	8.74	6.4	R19
300	2	152	120.6	92.1	19.5	4	20	102.0	82.55	8.74	6.4	R22
	1/2	95	66.7	34.9	14.5	4	16	51.0	34.14	7.14	5.6	R11
	3/4	117	82.5	42.9	16.0	4	20	63.5	42.88	8.74	6.4	R13
	1	124	88.9	50.8	17.5	4	20	70.0	50.80	8.74	6.4	R16
	1 1/4	133	98.4	63.5	19.5	4	20	79.5	60.32	8.74	6.4	R18
600	1 1/2	156	114.3	73.0	21.0	4	23	90.5	68.28	8.74	6.4	R20
	2	165	127.0	92.1	22.5	8	20	108.0	82.55	11.91	8.0	R23
	1/2	95	66.7	34.9	14.5	4	16	51.0	34.14	7.14	5.6	R11
	3/4	117	82.5	42.9	16.0	4	20	63.5	42.88	8.74	6.4	R13
	1	124	88.9	50.8	17.5	4	20	70.0	50.80	8.74	6.4	R16
900 1500	1 1/4	133	98.4	63.5	21.0	4	20	79.5	60.32	8.74	6.4	R18
	1 1/2	156	114.3	73.0	22.5	4	23	90.5	68.28	8.74	6.4	R20
	2	165	127.0	92.1	25.5	8	20	108.0	82.55	11.91	8.0	R23
	1/2	121	82.5	34.9	22.5	4	23	60.5	39.67	8.74	6.4	R12
	3/4	130	88.9	42.9	25.5	4	23	66.5	44.45	8.74	6.4	R14
2500	1	149	101.6	50.8	29.0	4	26	71.5	50.80	8.74	6.4	R16
	1 1/4	159	111.1	63.5	29.0	4	26	81.0	60.32	8.74	6.4	R18
	1 1/2	178	123.8	73.0	32.0	4	29	92.0	68.28	8.74	6.4	R20
	2	216	165.1	92.1	38.5	8	26	124.0	95.25	11.91	8.0	R24
	1/2	133	88.9	34.9	30.5	4	23	65.0	42.88	8.74	6.4	R13
	3/4	140	95.2	42.9	32.0	4	23	73.0	50.80	8.74	6.4	R16
	1	159	107.9	50.8	35.0	4	26	82.5	60.32	8.74	6.4	R18
	1 1/4	184	130.2	63.5	38.5	4	29	101.5	72.24	11.91	6.4	R21
	1 1/2	203	146	73.0	44.5	4	32	114.5	82.55	11.91	6.4	R23
	2	235	171.4	92.1	51.0	8	29	133.5	101.60	11.91	8.0	R26



国标法兰 GB flange-JB/T79.1~4-94; JB T82.1~4-94

单位: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 4.0	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	68	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
16.0	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.