

INDUSTRIAL VALVES
工业阀门

PAV[®]

www.pipe-armaturen.com

WENZHOU PAV VALVE CO.,LTD

Forged Small Valve

PAV[®]
WENZHOU
PAV VALVE CO.,LTD

Add:San Qiao Industrial Zone, Oubei Town, Wenzhou, China Zip:325102

Tel:+86-139-68827679

Fax:+86-577-67378909

<http://www.pipe-armaturen.com> E-mail:sales@pipe-armaturen.com Skype:pipearmaturen



win trust based on responsibility



WENZHOU PAV VALVE CO.,LTD

www.pipe-armaturen.com

BRIEF INTRODUCTION

企业简介



PAV VALVE co., Ltd. Is located in Wenzhou.
with a convenient transportation in road, sea and air. Besides, with beautiful scenery of Yandang Mountain and Nanxi River, Wenzhou also is a scenic spot for tourism and vacation.

Company is specialized in manufacture and research and development of various industrial valves.

main product covers:

gate valve, globe valve, ball valve, check valve, butterfly valve and strainer.

applicable standard covers API, JIS, BS, DIN, NF etc.

The valves can be supplied with various connection type to cater with different demands from customers, it covers: Flange ends, threaded ends, butt welded ends, socket welded ends, clip hoop ends, etc. The valve we supplied can be operated by handwheel, gearbox, pneumatic, electric, hydraulic actuator or electric-hydraulic actuator, hydro-pneumatic actuator, etc. The company can produce a wide range pressure rating and size, from class 150 to class 2500, size from 1/2" to 42". Materials are carbon steel, alloy steel, stainless steel, monel, hastelloy steel, etc. Output annually is over 5000 tons. Its products have been widely used in petrochemical, metallurgy, building construction, power station, shipbuilding and other industries. The company also have exported large number of products to many countries and regions and gained high reputation.

The company always strictly comply with the quality management system of ISO9001-2008 in its dailyoperation, Emphasizing in product quality and after-sale service. Its has a full sets of machining machines and quality control Equipments. Relying on its strong technology, advanced machining workmanship and well-trained workers, its products are always with premium quality.

The company serves new and old customers in a principle of "reputation first, customer foremost, circumspect service, quality guarantee", warmly welcome all circles of friends to visit our company.

Experiences –PAV



目录 CONTENTS

锻钢闸阀Forged steel gate valves.....	01-08
锻钢截止阀Forged steel globe valves.....	09-19
锻钢止回阀Forged steel check valves.....	20-30
低温闸阀Cryogenic gate valves.....	31-33
低温截止阀Cryogenic globe valves.....	34-35
波纹管闸阀Bellow sealed gate valves.....	36-38
短型波纹管截止阀Short pattern bellow seal globe valves.....	39-40
波纹管截止阀Bellow sealed globe valves.....	41-43
Y型过滤器Y-type strainers.....	44-46
锻钢球阀Forged steel ball valves.....	47-48
二片式锻钢球阀2PCS Forged steel ball valves.....	49-50
三片式锻钢球阀3PCS Forged steel ball valves.....	51-53



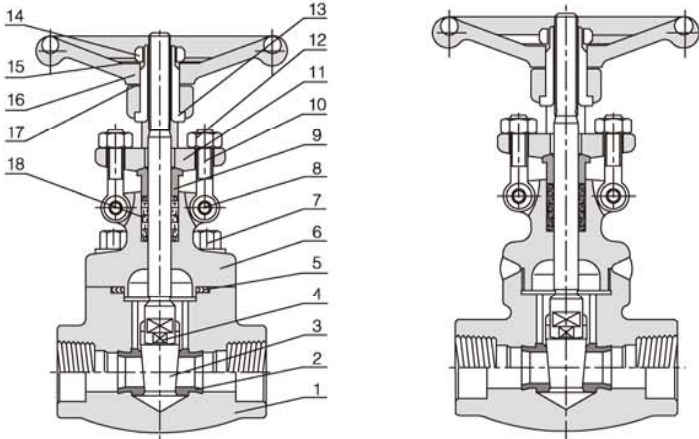
锻钢闸阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹性石墨制造）或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计形式设计的阀门，其阀门与阀盖用螺纹连接，内压自密封环密封。

valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, maded in F304L/graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is availabe, the third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint.

采用以下结构Construction is as follows

全径或缩径;
Full port or conventional port;
明杆支架式 (OS& Y)
Outside screw and yoke (OS & Y)
自定心压板压套式
Two piece self-aligning packing gland;
螺栓连接、缠绕垫片密封式阀盖
Bolted bonnet & spiral wound gasket seal bonnet;
螺纹连接、全焊密封式阀盖以及螺纹连接内压自紧式阀盖;
Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
整体式上密封; integral backseat;
承插端符合; ASMEB16.11
Socket weld ends to ASME B16.11
螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1。
Screwed ends (NPT) to ANSI/ASME B1.20.1.

内螺纹与承插焊闸阀
Female threaded and socket welded gate valves



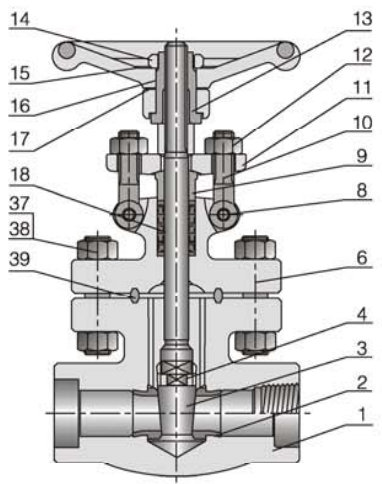
碳钢温压等级 Carbon steel temperature–pressure rate

CL150–285P.S.I @100° F CL300–740P.S.I @100° F CL600–1480P.S.I @100° F CL800–1975P.S.I @100° F CL1500–3705P.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	F7	B16	B8(M)	B8(M)	B8(M)
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)	B8(M)
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)	8(M)
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

内螺纹与承插焊闸阀
Female threaded and socket welded gate valves



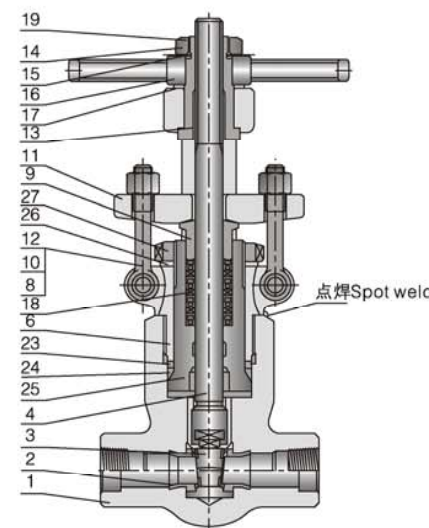
碳钢温压等级 Carbon steel temperature–pressure rate

CL150–285P.S.I @100° F CL300–740P.S.I @100° F CL600–1480P.S.I @100° F CL800–1975P.S.I @100° F CL1500–3705P.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)	B8(M)
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)	8(M)
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 Lubricatinggasket	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	双头螺柱 Screwed stud	B7	B7	L7	L7	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

自密封闸阀
Pressure sealing gate valves



应用规范Application standards

- 1、设计制造Design and manufacture conform to: API 602、BS5352、ASME B16.34
- 2、连接端尺寸Connection ends conform to:
 - 1) 承插口尺寸按Screw ends 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Test and inspection conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸按Structure features: ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to: API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
 - 螺栓连接阀盖自紧式密封
 - A threaded and pressure seal 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。

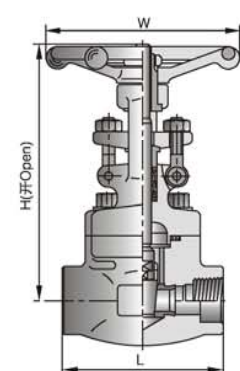
碳钢温压等级 Carbon steel temperature–pressure rate

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

典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	阀座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)	B8(M)
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)	8(M)
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
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)	16(L)	F91
26	螺母垫块Nut pad	410	410	410	410	410	410	410
27	拉紧螺母 Packing nut	碳钢Cast steel	碳钢Cast steel	碳钢Cast steel	碳钢Cast steel	不锈钢 Stainless steel	不锈钢	碳钢

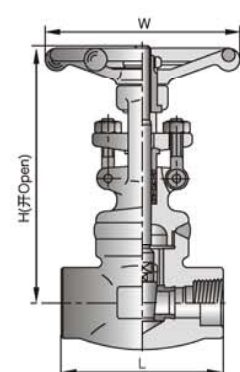
内螺纹与承插焊闸阀
Female threaded and socket welded gate valves



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API602
Threaded, butt-welded or socket welded eds; design to API 602

CL800

规格（NPS） Specification	缩径（R.P）	—	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	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	79	79	92	111	120	120	140	178	—
手轮直径（mm） Handwheel diameter	w	100	100	100	125	160	160	180	200	—
中心高度(开)(mm) Heihgt	H	161	161	163	196	223	251	290	333	—
流道孔径（mm） Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	—
重量Weight(约)(Kg)		2.3	2.22	2.39	4.24	5.7	7.05	10.9	16.8	—



焊接连接阀盖，缩径和全径，明杆支架（OS&Y）
Welded bonnet, full port reducing port outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊或对焊，设计按API602
Threaded, butt-welded or socket welded eds; design to API 602

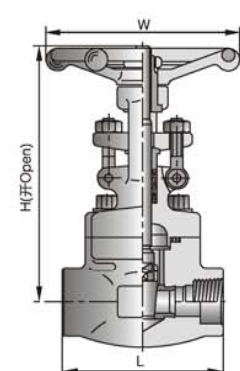
CL800

规格（NPS） Specification	缩径（R.P）	—	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	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	79	79	92	111	120	120	140	178	—
手轮直径（mm） Handwheel diameter	w	100	100	100	125	160	160	180	200	—
中心高度(开)(mm) Heihgt	H	161	161	163	196	223	251	290	333	—
流道孔径（mm） Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	—
重量Weight(约)(Kg)		1.9	1.9	2.1	3.2	5.2	6.9	10.4	15.8	—

螺栓连接阀盖，缩径和全径，明杆支架（OS&Y）
Bolted bonnet, full port reducing port outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊或对焊，设计按API602
Threaded, butt-welded or socket welded eds; design to API 602

CL900–CL1500

规格（NPS） Specification	缩径（R.P）	—	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径（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	172	210	—
手轮直径（mm） Handwheel diameter	w	100	125	125	160	160	180	200	220	—
中心高度(开)(mm) Heihgt	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(约)(Kg)		2.4	4.4	4.3	6	7.2	11.4	16	23	—

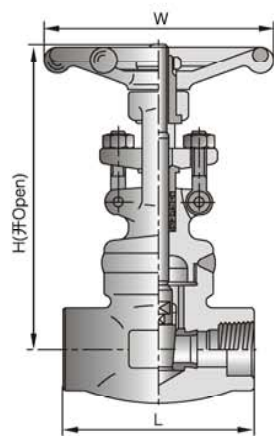


内螺纹与承插焊闸阀

Female threaded and socket welded gate valves

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API602
Threaded, butt-welded or socket welded eds; design to API 602

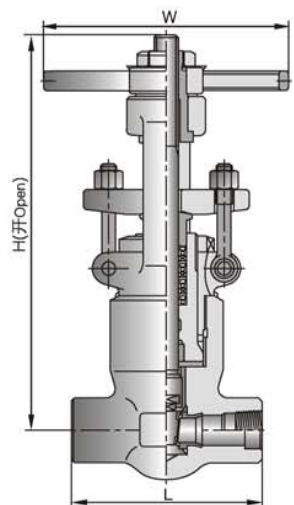
CL900-CL1500



规格 (NPS) Specification	缩径 (R.P)	—	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径 (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	172	210	—
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	160	200	220	—
中心高度(开)(mm) Heihgt	H	171	207	207	240	258	330	355	370	—
流道孔径 (mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	—
重量Weight(约)(Kg)		2.3	4	4	4.8	7.1	11	16	22.8	—

压力自紧式密封阀盖，全径，明杆支架（OS&Y）
Pressure seal onnet, full port outside screw and yoke (OS & Y)
末端连接可按承插焊，设计按ASME B16.34
Socket welded ends, design conform to ASME B16.34

CL1500-CL2500



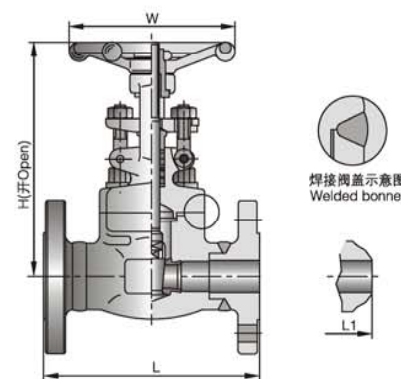
规格 (NPS) Specification	全径(F.P)		3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L	CL900~1500	140	140	140	140	178	178	216
		CL2500	186	186	186	186	232	232	279
手轮直径 (mm) Handwheel diameter	W	CL900~1500	200	200	200	200	280	280	300
		CL2500	200	200	200	200	280	280	300
中心高度(开)(mm) Heihgt	H	CL900~1500	318	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(约)(Kg)		CL900~1500	11.5	11.5	10.8	10.5	19.6	21.0	55.4
		CL2500	12.3	12.3	11.6	10.8	26.0	28.4	60.0

锻钢法兰闸阀

Special Purposes gate valves

螺栓连接阀盖，缩径，明杆支架（OS&Y）
Bolted bonnet, reducing port outside screw and yoke(OS & Y)
末端连接为法兰或对焊，设计按API602、API606
Flang-welded or butt-welded eds; design to API 602, BS5352

CL150-300-600

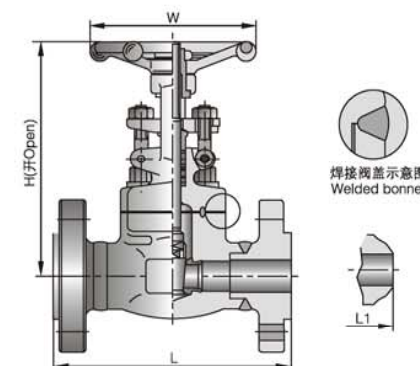


规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	CL150	—	—	108	117	127	140	165	178	190
	CL300	—	—	140	152	165	178	190	216	241
	CL600	—	—	165	190	216	229	241	292	330
手轮直径 (mm) Handwheel diameter	W	—	—	100	100	125	160	160	180	200
中心高度(开)(mm) Heihgt	CL150	—	—	176	184	217	226	250	290	357
	CL300,CL600	—	—	161	163	196	226	250	290	357
流道孔径 (mm) Flow port dimension	d	—	—	10	13.5	18	24	29	36.5	45
重量(约) Weight (Kg)	CL150	RF	—	—	3.4	3.98	6.12	7.2	10.4	15.5
		BW	—	—	2.8	3.3	5.4	7.4	8.2	12.5
	CL300	RF	—	—	3.77	7.89	7.23	9.6	12.64	18
		BW	—	—	5.3	4.4	6.8	8.1	9.2	15.4
	CL600	RF	—	—	4.2	5.8	8.8	12.1	15.6	19.5
		BW	—	—	4.5	5.1	8.2	10.2	12.4	20.1

注：如需法兰和阀体一体式锻造的请与远高销售人员联系。
Flange integrity forged steel valve enquiry please contact sales department

焊接阀盖，全径，明杆支架（OS&Y）
Welded bonnet, full port outside screw and yoke(OS & Y)
末端连接为焊接法兰或对焊连接，设计按BS5352
Flang-welded or butt-welded eds; design to API 602, BS5352

CL900-CL1500

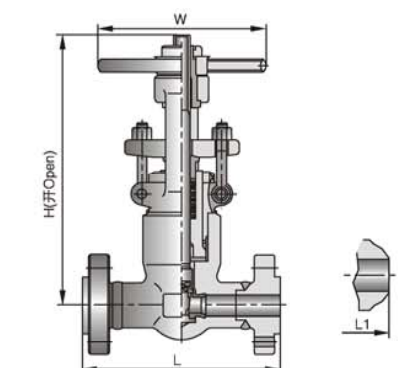


规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	—	—	216	229	254	279	305	368
	L(RTJ)	—	—	216	229	254	279	305	371
手轮直径 (mm) Handwheel diameter	W	—	—	125	125	160	180	200	220
中心高度(开)(mm) Heihgt	H	—	—	191	192	219	257	296	316
流道孔径 (mm) Flow port dimension	d	—	—	13.5	18	24	29	36.5	45
重量Weight(约)(Kg)		—	—	7.2	11.5	15.6	16.2	22.6	28.2

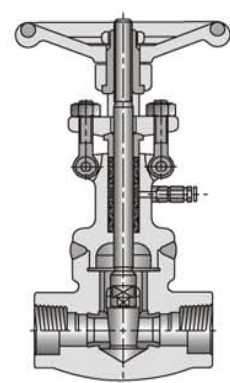
注：如需法兰和阀体一体式锻造的请与远高销售人员联系。
Flange integrity forged steel valve enquiry please contact sales department

压力自紧式密封闸阀，全径，明杆支架（OS&Y）
Pressure seal gate vales, 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

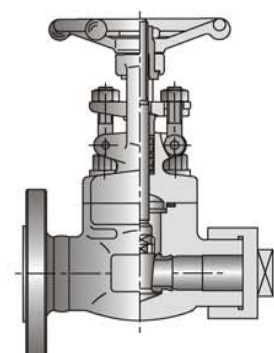
CL2500



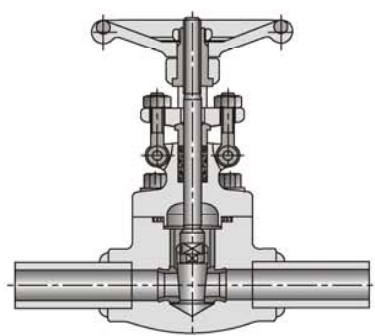
规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	—	—	264	273	308	—	384	451
	L(RTJ)	—	—	264	273	308	—	387	454
手轮直径 (mm) Handwheel diameter	W	—	—	200	200	200	—	280	300
中心高度(开)(mm) Heihgt	H	—	—	325	325	327	—	478	540
流道孔径 (mm) Flow port dimension	d	—	—	13.5	13.5	19	—	30	36.5
重量Weight(约)(Kg)		—	—	4.6	6.8	7.6	—	15	21.9

特殊用途闸阀
Special purposes gate valves

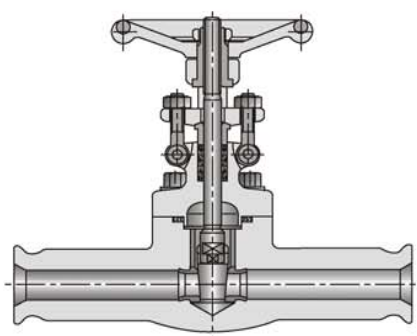
- ※焊接阀盖
- ※明杆支架
- ※双填料
- ※隔环
- ※注脂阀
- ※刚性闸板
- ※Welded bonnet
- ※OS & Y
- ※Packing
- ※Distance ring
- ※Injector sealing gum valves
- ※solid wedge



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



- ※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



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

真空闸阀 Vacuum gate valves

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

放空导淋阀 For venting and/or media

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

管接阀门 Coupling pipe valves

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

卡箍闸阀 Hoop gate valves

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

锻钢截止阀
Forged steel globe valves

采用以下结构 Construction is as follows

- 全径或缩径;
Full port or conventional port;
- 明杆支架式 (OS & Y)
Outside screw and yoke (OS & Y)
- 自定心压板压套式
Two piece self-aligning packing gland;
- 螺栓连接、缠绕垫片密封式阀盖
Bolted bonnet & spiral wound gasket seal bonnet;
- 螺栓连接、全焊密封式阀盖以及螺栓连接内压自紧式阀盖;
Bolted bonnet with spiral-wound gasket, threaded and seal welded bonnet or threaded and pressure seal bonnet;
- 整体式上密封; integral backseat;
- 承插端符合; ASME B16.11
Socket weld ends to ASME B16.11
- 螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1。
Screwed ends (NPT) to ANSI/ASME B1.20.1.
- 阀瓣可变换为节流型、针型、球型和止回型。
Disc can change for throttle type, needle type, ball type and check type.

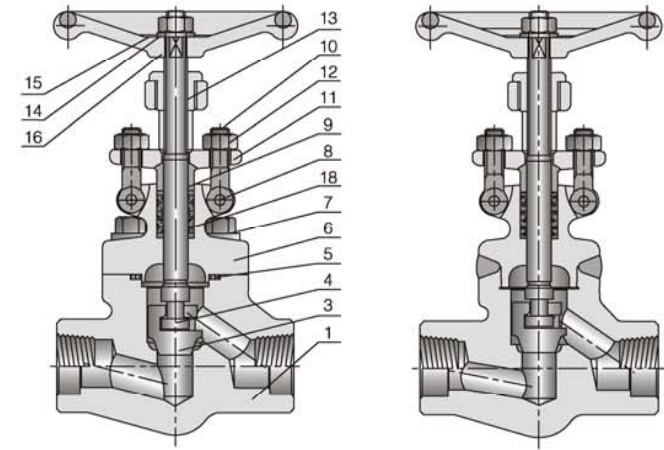
锻钢截止阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹性石墨制造）或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计形式设计的阀门，其阀门与阀盖用螺纹连接，内压自密封环密封。

valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, maded in F304L/graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is availabe, the third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint.

内螺纹与承插焊截止阀
Female threaded and socket welded globe valve

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Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
螺栓连接阀盖 (B.B) 和明杆支架 (OS&Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS&Y)
Welded bonnet, outside screw and yoke
- 5、材料按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

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

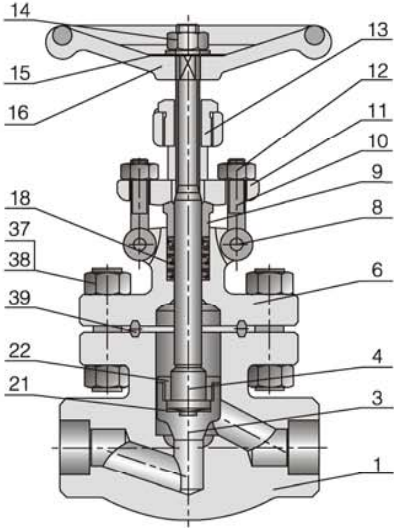
典型零件材料表Main part materials list

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	F7	B16	B8(M)	B8(M)	B8(M)
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)	B8(M)
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)	8(M)
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

内螺纹与承插焊截止阀
Female threaded and socket welded globe valve

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Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
螺栓连接阀盖 (B.B) 和明杆支架 (OS&Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS&Y)
Welded bonnet, outside screw and yoke
- 5、材料按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。



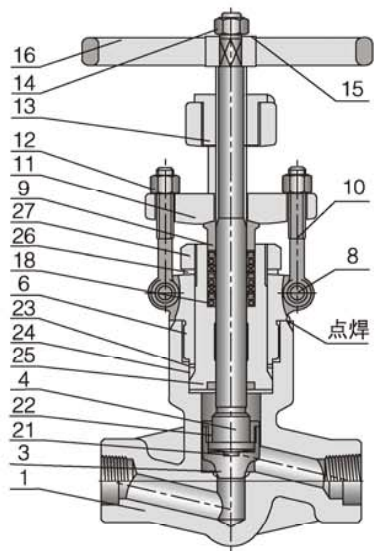
碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285P.S.I @100° F CL300-740P.S.I @100° F CL600-1480P.S.I @100° F CL800-1975P.S.I @100° F CL1500-3705P.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)	B8(M)
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)	8(M)
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

自密封截止阀
Pressure sealing globe valves



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Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
螺栓连接阀盖自紧式密封
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; F51; Monel; 20合金等Alloy。

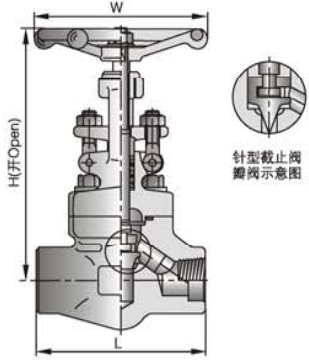
碳钢温压等级 Carbon steel temperature–pressure rate

CL1500–3705P.S.I @100° F CL2500–6170P.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)	F91+HF
3	阀瓣Disc	410	410	304	410	304(L)	316(L)	410+HF
4	阀杆Stem	410	410	304	410	304(L)	316(L)	410
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
8	销Pin	410	410	410	410	304	304	410
9	填料压套Gland	410	410	304	410	304	316	410
10	活节螺栓 Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8
11	填料压盖	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	螺母垫块 P.S.seat	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

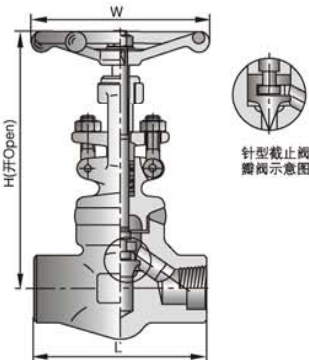
内螺纹与承插焊截止阀
Female threaded and socket welded globe valves



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

CL800

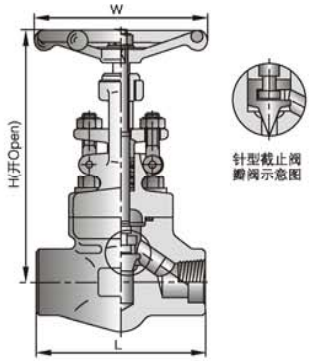
规格（NPS） Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度（mm） Face to face	L	79	79	92	111	120	152	172	200	-
手轮直径（mm） Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm) Heihgt	H	164	164	164	203	224	260	300	355	-
流道孔径（mm） Flow port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



焊接连接阀盖，缩径和全径，明杆支架（OS&Y）
Welded bonnet, full port 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 eds; design to BS5352

CL800

规格（NPS） Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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) Heihgt	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(约)(Kg)		1.7	1.7	1.9	3.3	5.2	6.8	10.6	13.8	-



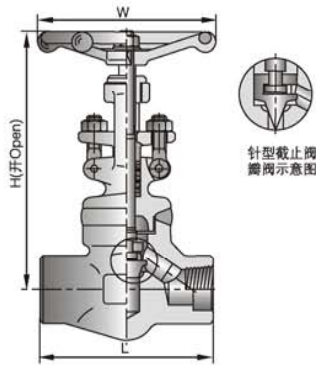
螺栓连接阀盖，缩径和全径，明杆支架（OS&Y）
Bolted bonnet, full port reducing port outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊或对焊，设计按BS5352
Threaded, butt-welded or socket welded eds; design to BS5352

CL900–CL1500

规格（NPS） Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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	92	111	111	120	152	172	220	-	-
手轮直径（mm） Handwheel diameter	W	100	125	125	160	160	180	200	-	-
中心高度(开)(mm) Heihgt	H	171	207	207	240	258	330	355	-	-
流道孔径（mm） Flow port dimension	d	7	12	15	20	28	32	40	-	-
重量Weight(约)(Kg)		2.3	3.7	3.6	3.6	7.6	11.6	15	-	-

内螺纹与承插焊截止阀
Female threaded and socket welded globe valves

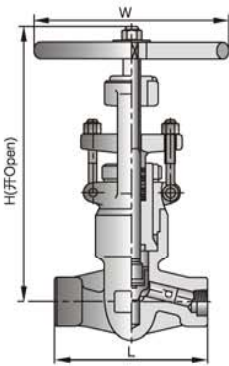
内螺纹与承插焊Y型截止阀
Female thrtaded and socket welded Y type globe valves



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 eds; design to BS5352

CL900-CL1500

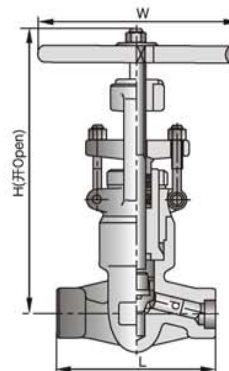
规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	-	-
结构长度 (mm) Face to face	L	92	111	111	120	152	172	220	-	-
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	180	200	-	-
中心高度(开)(mm) Heihgt	H	171	207	207	240	258	330	355	-	-
流道孔径 (mm) Flow port dimension	d	7	12	15	20	28	32	40	-	-
重量Weight(约)(Kg)		2.0	3.4	3.3	6.0	5.6	10.3	14.2	-	-



压力自紧式密封阀盖，全径，明杆支架（OS&Y）
Pressure seal onnet, 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 conform to BS5352

CL900-CL1500

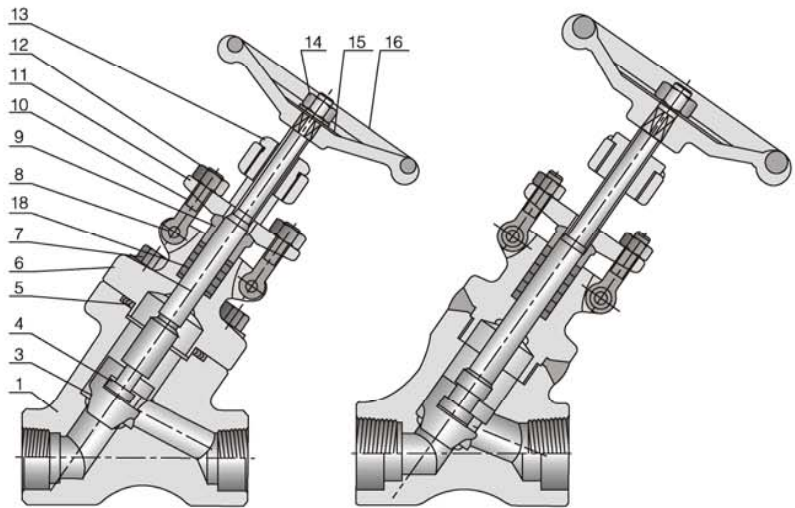
规格 (NPS) Specification	全径(F.P)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	L	140	140	140	178	178	216	-
手轮直径 (mm) Handwheel diameter	W	220	200	200	280	280	300	-
中心高度(开)(mm) Heihgt	H	320	320	320	440	440	490	-
流道孔径 (mm) Flow port dimension	d	12	15	20	28	32	40	-
重量Weight(约)(Kg)		11.5	10.8	10.5	19.6	21.1	55.4	-



压力自紧式密封阀盖，全径，明杆支架（OS&Y）
Pressure seal onnet, 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

CL2500

规格 (NPS) Specification	全径(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) Heihgt	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(约)(Kg)		12.3	11.6	10.8	26.0	28.4	60	-

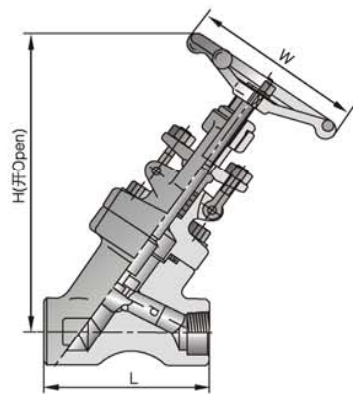


- 应用规范Application standards**
- 设计制造Design and manufacture conform to:
API 602、BS5352、ASME B16.34
 - 连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends dimension conform to
ANSI B16.11; JB/T1751
2) 螺纹端尺寸按Screw ends dimension conform to
ANSI B1.20.1; JB/T7306
3) 对焊端尺寸按Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
 - 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
 - 结构特征structure features:
螺栓连接阀盖（B.B）和明杆支架（OS&Y）
Bolted bonnet, outside screw and yoke
或焊接阀盖（W.B）和明杆支架（OS&Y）
Welded bonnet, outside screw and yoke
 - 材料按Materials conform to ANSI/ASTM的规定。
 - 主体材料Main materials:
A105; LF2; F5; F11; F22; 304(L); 316(L);
F347; F321; F51; Monel; 20合金等Alloy。
- 碳钢温压等级 Carbon steel temperature-pressure rate**
CL150-285P.S.I @100° F
CL300-740P.S.I @100° F
CL600-1480P.S.I @100° F
CL800-1975P.S.I @100° F
CL1500-3705P.S.I @100° F

典型零件材料表Main part materials list

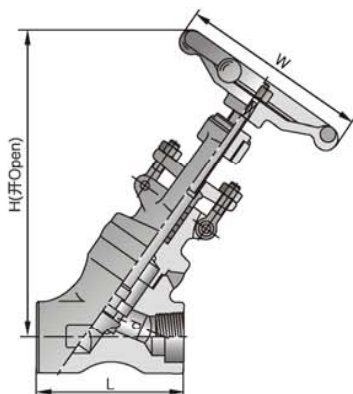
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	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	F7	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

Y型截止阀
Y type globe valves



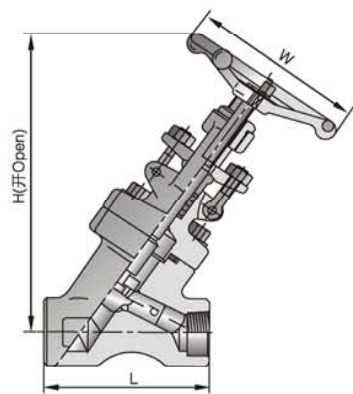
螺栓连接阀盖，缩径和全径，明杆支架（OS&Y）
Bolted bonnet, full port reducing port outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊或对焊，设计按BS5352
Threaded, butt-welded or socket welded eds; design to BS5352

规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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	98	98	98	120	140	140	170	-	-
手轮直径 (mm) Handwheel diameter	W	100	100	100	125	160	160	180	-	-
中心高度(开)(mm) Heihgt	H	180	180	180	188	280	280	295	-	-
流道孔径 (mm) Flow port dimension	d	7	9	13	17.5	23	30	35	-	-
重量Weight(约)(Kg)		2.6	2.6	3.8	4.6	9.3	9.3	14	-	-



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 eds; design to BS5352

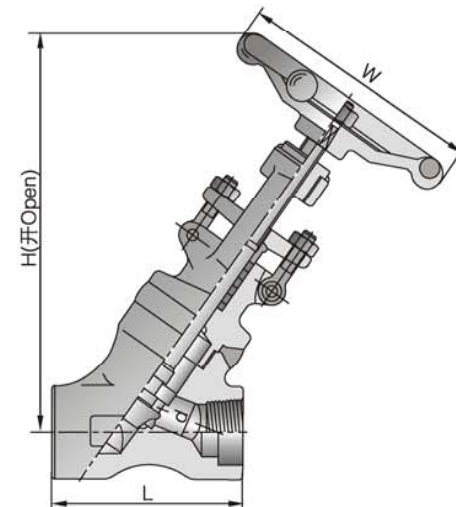
规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	-	-
结构长度 (mm) Face to face	L	98	98	98	120	140	140	170	-	-
手轮直径 (mm) Handwheel diameter	W	100	100	100	125	160	160	180	-	-
中心高度(开)(mm) Heihgt	H	198	198	198	207	280	280	295	-	-
流道孔径 (mm) Flow port dimension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



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 eds; design to BS5352

规格 (NPS) Specification	全径(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	120	120	120	140	170	170	220	-
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	180	200	-
中心高度(开)(mm) Heihgt	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(约)(Kg)		2.6	4.6	4.6	9.3	9.3	14	19.6	-

Y型截止阀
Y type globe valves

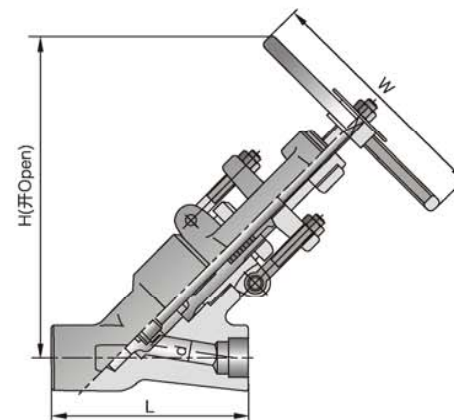


焊接连接阀盖，全径，明杆支架（OS&Y）
Welded bonnet, full port & outside screw and yoke(OS & Y)
末端连接为螺纹或承插焊，设计按BS5352
Threaded, butt-welded or socket welded eds; design to BS5352

规格 (NPS) Specification	全径(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	120	120	120	140	170	170	220	-
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	180	200	-
中心高度(开)(mm) Heihgt	H	175	207	207	180	280	295	350	-
流道孔径 (mm) Flow port dimension	d	9	12	15	20	28	32	40	-
重量Weight(约)(Kg)		1.8	3.5	3.5	8.0	8.0	12	16	-

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)
末端连接为焊接或承插连接，设计按ASME 16.34
Socket welded, design connform to ASME 16.34

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	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) Heihgt	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(约)(Kg)		12.3	12.3	11.6	10.8	28.0	26.4	43.8



法兰与对焊截止阀
Flange and butt-welded globe valves

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

CL150-300-600

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

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)
末端连接为连接法兰对焊连接，设计按BS5352
Flange or Butt-welding design to BS5352

CL900-CL1500

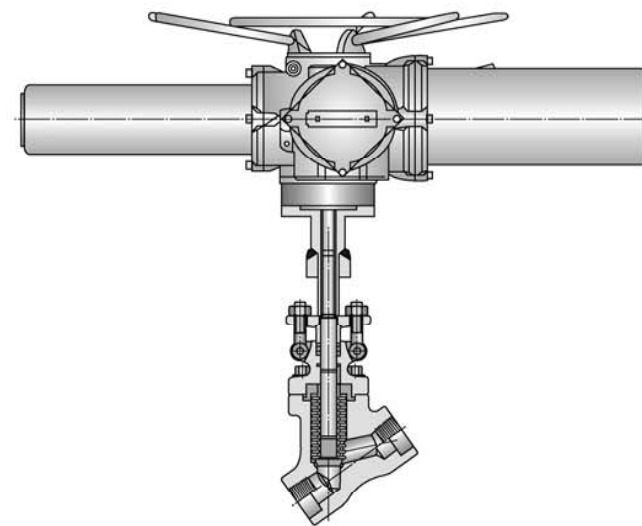
规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF),L1(BW)	—	—	216	229	254	279	305	368
	L(RTJ)	—	—	216	229	254	279	305	371
手轮直径 (mm) Handwheel diameter	W	—	—	125	125	160	160	180	200
中心高度(开) (mm)Heihgt	H	—	—	207	207	230	160	300	355
流道孔径 (mm) Flow port dimension	d	—	—	12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

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

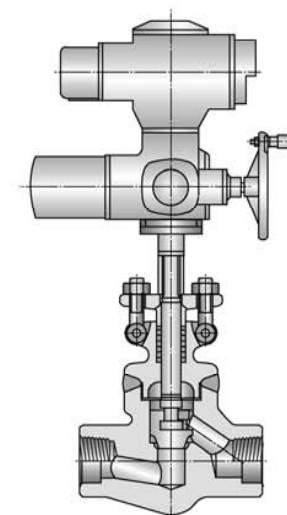
规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF),L1(BW)	—	—	264	273	308	349	384	451
	L(RTJ)	—	—	264	273	308	349	387	454
手轮直径 (mm) Handwheel diameter	W	—	—	200	200	280	280	280	300
中心高度(开) (mm)Heihgt	H	—	—	320	320	320	440	440	490
流道孔径 (mm) Flow port dimension	d	—	—	11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

驱动阀门
Available actuation types



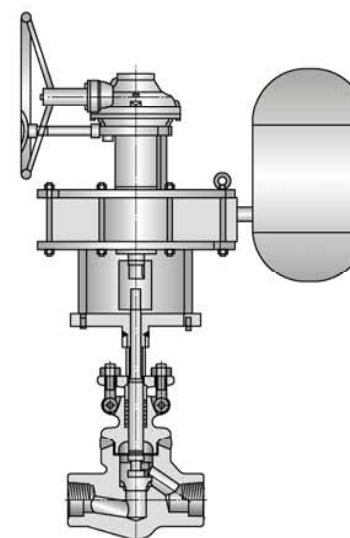
电动装置Electric actuator

CLALSS	材料 Materials
150~2500	碳钢、不锈钢 Carbon steel Stainless steel



电动装置Electric actuator

CLALSS	材料 Materials
150~2500	碳钢、不锈钢 Carbon steel Stainless steel



气动装置Pneumatic actuator

CLALSS	材料 Materials
150~2500	碳钢、不锈钢 Carbon steel Stainless steel

锻钢止回阀

全径或缩径；

升降式止回阀

球式止回阀

旋启式止回阀

按需求内置弹簧

螺栓连接、缠绕垫片密封式阀盖

螺纹连接、全焊密封式阀盖以及螺纹连接压力自紧式阀盖；

承插端符合: ASMEB16.11

螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1。

阀瓣可变换为软密封、阀瓣、球型阀瓣。

Disc can change for soft seal disc and ball disc.



valves are available in three bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, mated in F304L/graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is available, the third design is the pressure seal bonnet, with a threaded and pressure seal bonnet joint.

内螺纹与承插焊止回阀

1、设计制造Design and manufacture conform to:
BS5352

2、连接端尺寸Connection ends conform to:

1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224

4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79

3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092

4、结构特征structure features:

螺栓连接阀盖 (B.B) Bolted 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

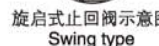
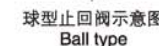
CL150-285P.S.I @100° F

CL300-740P.S.I @100° F

CL600-1480P.S.I @100° F

CL800-1975P.S.I @100° F

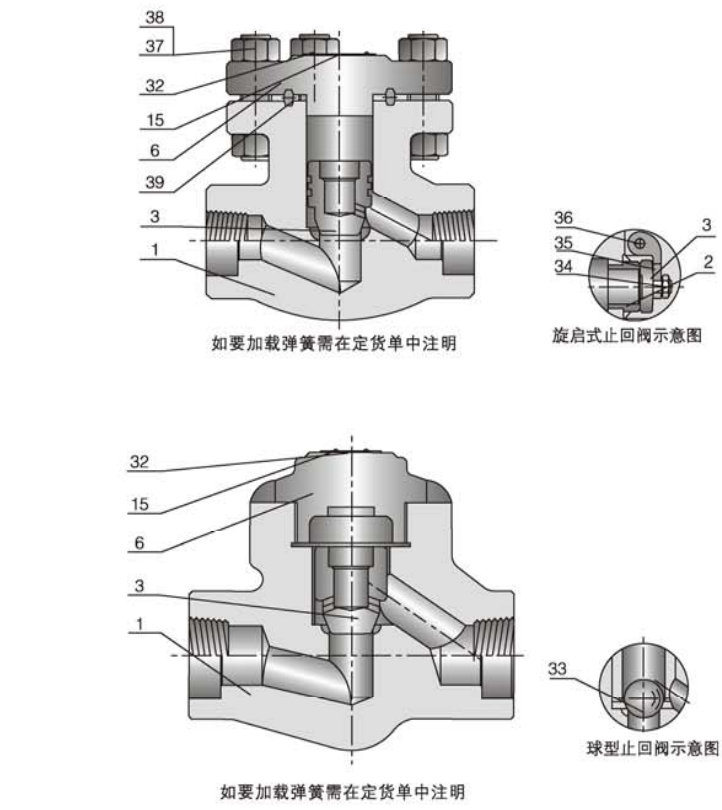
CL1500-3705P.S.I @100° F



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
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	F316(L)	316(L)	STL
34	阀瓣螺母 Disc nut	2H	2H	8	8	8(M)	B8(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

内螺纹与承插焊止回阀
Female threaded and socket welded check valves



应用规范Application standards

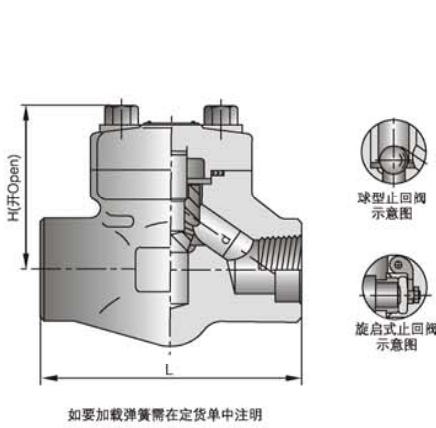
- 1、设计制造Design and manufacture conform to: BS5352 MSS SP-118
- 2、连接端尺寸Connection ends conform to:
 - 1) 承插口尺寸按Screw ends dimension conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1; JB/T7306
 - 3) 对焊端尺寸按Test and inspection conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸按Structure features: ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to: API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
 - 体盖连接垫片采用金属环 (RJ)
 - Gasket for bonnet connect adopt metal ring.
 - 螺栓连接阀盖 (B.B) 焊接阀盖 (W.B)
 - Bolted bonnet, welded bonnet
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials:
 - A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20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Sear 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	双头螺柱 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

内螺纹与承插焊止回阀
Female threaded and socket welded check valves



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

规格 (NPS) Specification	缩径(R.P)			1/2	3/4	1	1¼	1½	2	2½
	全径(F.P)			1/4	3/8	1/2	3/4	1	1¼	1½
结构长度 (mm) Face to face	L	升降式Lift	79	79	92	111	120	152	172	220
		旋启式Swing	79	79	92	111	120	120	140	178
中心高度(开)(mm) Heiht	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(约)(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	15	1.7	3.3	4.2	4.2	8.5	10.9

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

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	
结构长度 (mm) Face to face	L	79	79	92	111	120	152	172	220
中心高度(开)(mm) Heiht	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(约)(Kg)		1.2	1.3	1.5	3.0	3.9	6.0	10	12

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

规格 (NPS) Specification	缩径(R.P) 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	升降式Lift	92	111	111	120	152	172	220
		旋启式Swing	92	111	111	120	120	140	178
中心高度(开)(mm) Heiht	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	187	24	29	45
重量Weight(约)(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	3.4	3.3	4.2	5.0	8.5	10.9

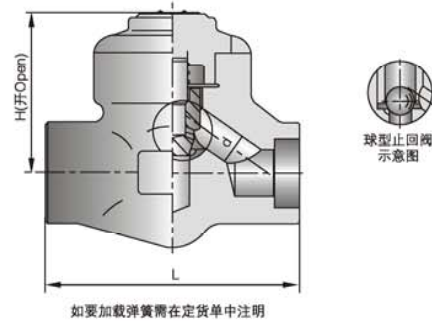
内螺纹与承插焊止回阀

Female threaded and socket welded check valves

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

CL900-CL1500

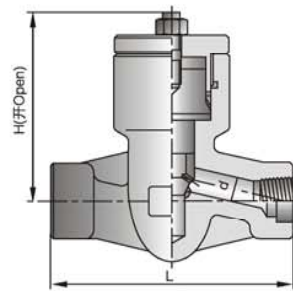
规格 (NPS) Specification	缩径(R.P) 全径(F.P)		1/2	3/4	1	1 1/4	1 1/2	2	
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度 (mm) Face to face	L		92	111	111	120	152	172	220
中心高度(开)(mm) Heihgt	H		61	78	78	84	103	118	132
流道孔径 (mm) Flow port dimension	d		7	12	15	20	28	32	40
重量Weight(约)(Kg)			1.3	3.1	3.1	3.9	5.8	10.0	11.5



压力自紧式阀盖，缩径和全径。
末端连接为螺纹承插焊或对焊，设计按:BS5352
Pressure seal bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

CL900-CL1500

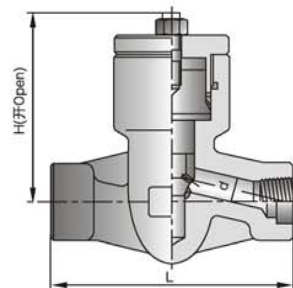
规格 (NPS) Specification	缩径(R.P) 全径(F.P)		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2 1/2
结构长度 (mm) Face to face	L		140	140	140	178	216	216		
中心高度(开)(mm) Heihgt	H		117	117	117	152	195	195		
流道孔径 (mm) Flow port dimension	d		12	15	20	28	28	40		
重量Weight(约)(Kg)			7.5	7.0	6.8	18.5	18.5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



压力自紧式阀盖，全径。
末端连接为螺纹承插焊或对焊，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	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			186	186	186	232	232	279
中心高度(开)(mm) Heihgt	H			117	117	117	152	150	195
流道孔径 (mm) Flow port dimension	d			11	14	14	25	28	35
重量Weight(约)(Kg)				11.8	11	11	23	26.4	39

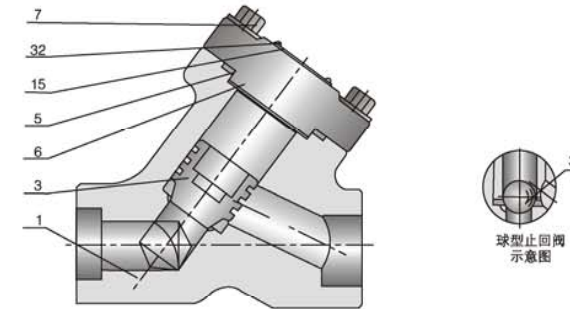


内螺纹焊接Y型止回阀

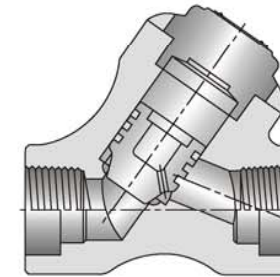
Female threaded welded Y type check valves

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:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 结构特征structure features:
螺栓连接阀盖 (B.B) 焊接阀盖 (W.B)
Bolted bonnet, welded 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。



如要加载弹簧需在定货单中注明



碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	410	410HF	304	410HF	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Revit	AL	AL	AL	AL	AL	AL	AL
33	钢球Steel ball	403	403	304	STL	316(L)	316(L)	STL

Y型自密封止回阀

Y type pressure sealed check valves

应用规范Application standards

- 设计制造Design and manufacture conform to:
ASME B16.34 MSS SP-118
- 连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 结构特征structure features:
螺栓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
- 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

CL1500–3705 P.S.I @100° F

CL2500–6170 P.S.I @100° F

CL4500–1111 P.S.I @100° F

典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣Disc	F6a	F6a	304	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)	41
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 sutd	B7	B7	L7	B16	B8(M)	B8(M)	B8M

Y型止回阀

Y Type check valves

螺栓阀盖，缩径和全径

末端连接为螺纹或承插焊或对焊，设计按BS 5352

Bolted bonnt, full port and reducing port

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

CL800

规格 (NPS) Specification	缩径(R.P)	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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	98	98	98	120	140	140	170	–	–
中心高度(开)(mm) Heihgt	H	70	100	70	100	110	120	120	–	–
流道孔径 (mm) Flow port dimension	d	7	180	13	17.5	23	30	35	–	–
重量Weight(约)(Kg)		2.2	9	2.1	4.2	9	8.9	10	–	–

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BS 5352

Welded bonnt, full port and reducing port

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

CL800

规格 (NPS) Specification	缩径(R.P)	–	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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	98	98	98	120	140	140	170	–	–
中心高度(开)(mm) Heihgt	H	65	65	65	95	105	110	110	–	–
流道孔径 (mm) Flow port dimension	d	7	10	13	17.5	23	30	35	–	–
重量Weight(约)(Kg)		1.8	1.8	2.0	3.5	8.0	8.0	12	–	–

螺栓阀盖，全径

末端连接为螺纹或承插焊或对焊，设计按BS 5352

Bolted bonnt, full port

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

CL900–CL1500

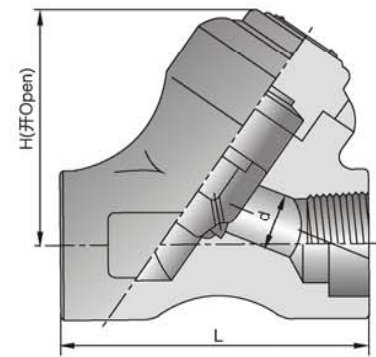
规格 (NPS) Specification	全径(F.P)	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	L	120	120	120	140	170	170	220	–
中心高度(开)(mm) Heihgt	H	70	70	100	110	110	120	150	–
流道孔径 (mm) Flow port dimension	d	9	12	15	20	28	32	40	–
重量Weight(约)(Kg)		2.1	4.2	9	8.9	10	18.6	20	–

Y型止回阀 Y Type check valves

焊接阀盖，全径
末端连接为螺纹或承插焊或对焊，设计按BS 5352
Welded bonnet, full port
Threaded, butt-welded or socket welded ends; design to BS5352

CL900-CL1500

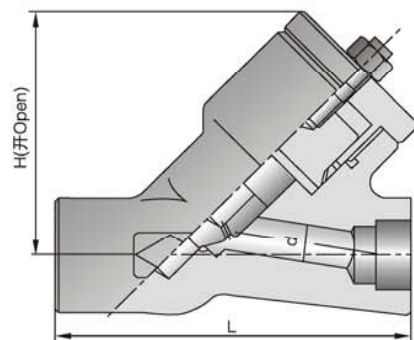
规格 (NPS) Specification	全径(F.P)	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	L	120	120	120	140	170	170	220	-
中心高度(开)(mm) Heiht	H	65	65	65	105	110	110	140	-
流道孔径 (mm) Flow port dimension	d	9	12	15	20	32	28	40	-
重量Weight(约)(Kg)		2.0	3.5	3.5	8.0	12	12	18	-



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

CL2500

规格 (NPS) Specification	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	186	186	186	186	232	232	310
中心高度(开)(mm) Heiht	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(约)(Kg)		11.2	11.5	10.6	10.8	25	22	39

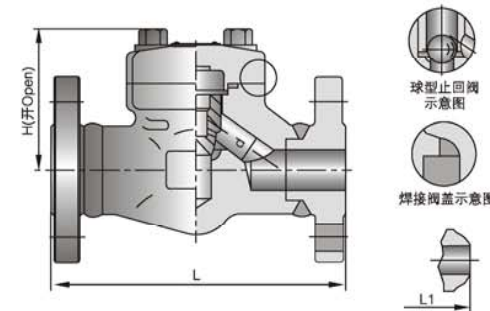


法兰与对焊止回阀 Flange and butt-welded check valves

螺栓阀盖，缩径。
末端连接法兰或对焊，设计按BS 5352
Bolted bonnet, full port
Flange-welded or butt-welded ends; design to BS5352

CL150-300-600

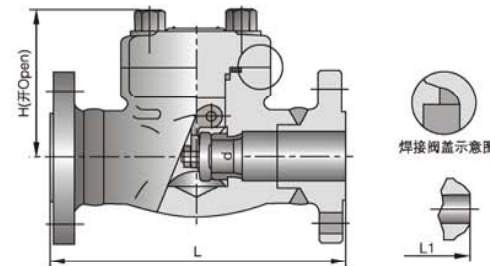
规格 (NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150 CL300 CL600	L(RF) L1(BW)	-	-	108	118	127	140	165
中心高度(开)(mm) Heiht	CL150 CL300/600		-	-	77	81	93	95	103
流道孔径 (mm) Flow port dimension	d		-	-	61	78	84	101	120
重量 Weight (约)(Kg)	CL150	-	-	3.6	4.6	8.5	9.2	12.5	14.8
	CL300	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL600	-	-	3.7	4.8	8.8	9.6	13.7	17.8



螺栓阀盖，缩径。
末端连接法兰或对焊，设计按BS 5352
Bolted bonnet, full port
Flange-welded or butt-welded ends; design to BS5352

CL150-300-600

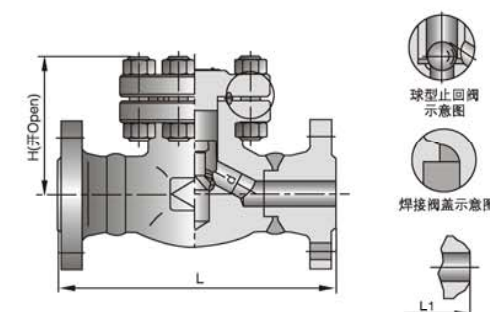
规格 (NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150 CL300 CL600	L(RF) L1(BW)	-	-	108	118	127	140	165
中心高度(开)(mm) Heiht	CL150 CL300/600		-	-	77	81	93	95	103
流道孔径 (mm) Flow port dimension	d		-	-	61	78	84	101	120
重量 Weight (约)(Kg)	CL150	-	-	3.6	4.6	8.5	9.2	12.5	14.8
	CL300	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL600	-	-	3.7	4.8	8.8	9.6	13.7	17.8



螺栓阀盖，缩径。
末端连接法兰或对焊，设计按BS 5352
Bolted bonnet, full port
Flange-welded or butt-welded ends; design to BS5352

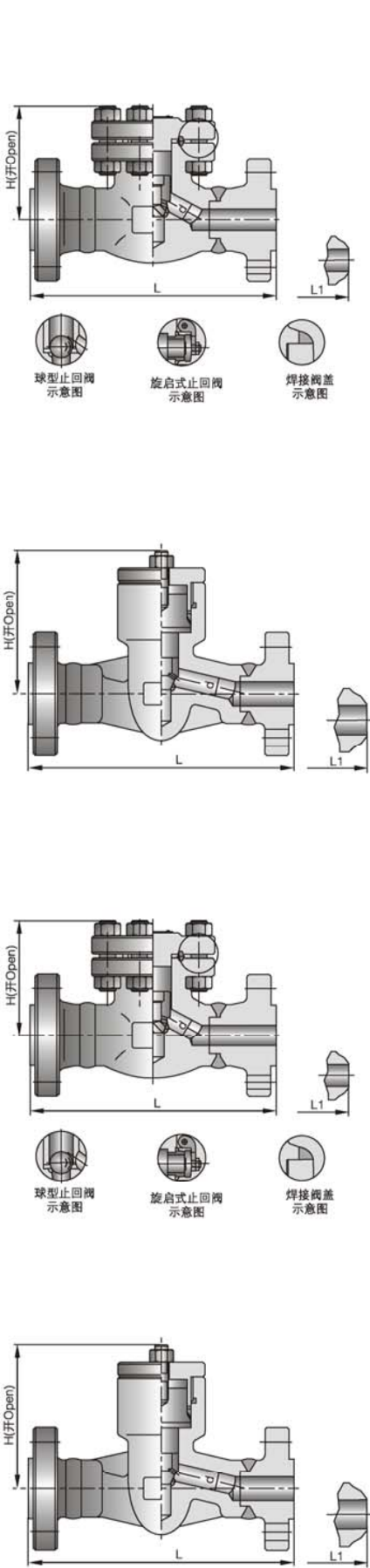
CL150-300-600

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	CL150 CL300 CL600	L(RF) L1(BW)	-	-	108	118	127	140	165
中心高度(开)(mm) Heiht	CL150 CL300/600		-	-	77	81	93	95	103
流道孔径 (mm) Flow port dimension	d		-	-	61	78	84	101	120
重量 Weight (约)(Kg)	CL150	-	-	3.2	3.5	4.6	5.2	7.0	16
	CL300	-	-	2.8	3.0	4.0	4.6	6.3	15
	CL600	-	-	4.6	6.1	9.1	12	16	21



法兰与对焊止回阀

Flange and butt-welded check valves



螺栓阀盖，缩径。

末端连接法兰或对焊，设计按BS 5352

Bolted bonnet, full port

Flange-welded or butt-welded ends; design to BS5352

规格 (NPS)	Specification		1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	L(RJ) L1(BW)	Face to face	216	229	254	280	305	371
中心高度(开)(mm)	H	Heihgt	81	93	95	101	118	130
流道孔径 (mm)	d	升降式Lift	12	15	20	28	32	40
		旋启式Swing	13.5	18	24	29	36.5	45
重量Weight(约)(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

压力自紧式，螺纹连接阀盖，缩径和全径。

末端连接法兰或对焊，设计按BS 5352

Pressure seal, bolted full port and reducing port

Flange-welded or butt-welded ends; design to BS5352

规格 (NPS)	Specification		3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	L(RJ)	L1(BW)	-	216	229	254	280	305	268
	L(RTJ)								
中心高度(开)(mm)	H	Heihgt	-	117	117	117	152	152	195
流道孔径 (mm)	d	Flow port dimension	-	12	15	20	28	32	40
重量Weight(约)(Kg)			-	10.5	11.9	13.9	19.9	26.9	32.5

螺栓阀盖，缩径。

末端连接法兰或对焊，设计按BS 5352

Bolted bonnet, full port

Flange-welded or butt-welded ends; design to BS5352

规格 (NPS)	Specification		1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	L(RJ) L1(BW)	Face to face	264	273	308	349	384	450
	L(RTJ)		264	273	308	352	387	454
中心高度(开)(mm)	H	Heihgt	81	93	95	101	118	130
流道孔径 (mm)	d	升降式Lift	12	15	20	28	32	40
		旋启式Swing	10.5	13.5	18	24	29	36.5
重量Weight(约)(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

压力自紧式，螺纹连接阀盖，缩径和全径。

末端连接法兰或对焊，设计按BS 5352

Pressure seal, bolted full port and reducing port

Flange-welded or butt-welded ends; design to BS5352

规格 (NPS)	Specification		3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	L(RJ)	L1(BW)	-	264	273	308	349	384	450
	L(RTJ)								
中心高度(开)(mm)	H	Heihgt	-	117	117	117	152	152	195
流道孔径 (mm)	d	Flow port dimension	-	12	15	20	32	28	40
重量Weight(约)(Kg)			-	12.6	14.9	16.5	24.8	30	35

低温闸阀

Cryogenic gate valves



采用以下结构Construction is as follows

- 全径或缩径；
- Full port or conventional port;
- 明杆支架式 (OS& Y)
- Outside screw and yoke (OS & Y)
- 长颈阀盖；
- Extended bonnet;
- 自定心压板压套式；
- Self-centering gland and flange;
- 螺栓连接、缠绕垫片密封式阀盖
- Bolted bonnet & spiral wound gasket seal bonnet;
- 螺栓连接、全焊密封式阀盖
- Threaded with full welding seal bonnet;
- 整体式上密封； integral backseat;
- 承插端符合； ASMEB16.11
- Socket weld ends to ASME B16.11
- 螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1。
- Screwed ends (NPT) to ANSI/ASME B1.20.1.

锻钢低温阀有两种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹柔性石墨制造）或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺栓连接，全焊密封。客户有特殊要求时也可采用全焊透连接。

valves are available in two bonnet designs. The first design is the Bolted Bonnet, with male-female joint, spiral wound gasket, maded in F304L/graphite. Ring joint gasket are also available on request. The second design is the welded bonnet, with a threaded and seal welded joint. On request a full penetration strength welded joint is availabe.

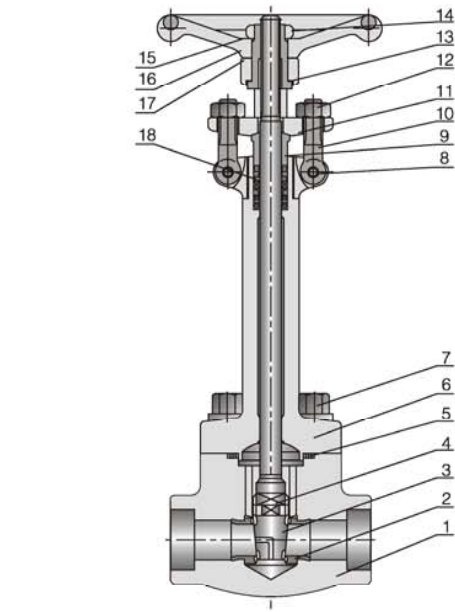


应用规范Application standards

- 1、设计制造Design and manufacture conform to:
API 602
- 2、连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
螺栓连接阀盖 (B.B) 和明杆支架 (OS & Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS & Y)
Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials:
LF2; LF3; 304(L); 316(L); F347; F321; F51。

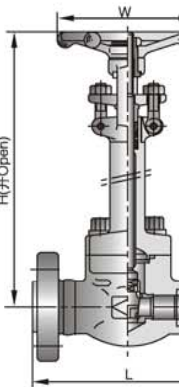
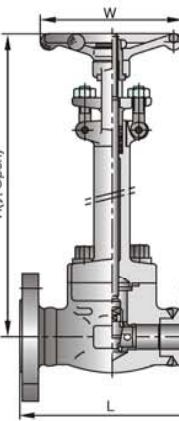
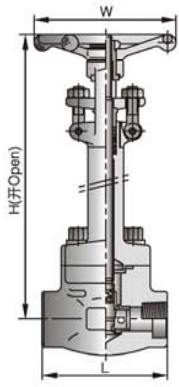
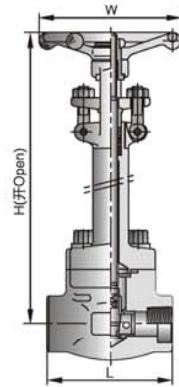
碳钢温压等级 Carbon steel temperature-pressure rate

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	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)	B8(M)
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)	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	-	-	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite



螺栓连接低温加长阀盖，缩径和全径，明杆支架(OS&Y)。
Bolted bonnet cryogenic extended bonnet full port & reduced port, OS & Y
末端连接可按螺纹或承插焊或对焊，设计按API602
Threaded, butt-welded or socket welded ends; design to API 602

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
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)Heiht	H	-196	291	291	293	340	375	400	450	-
流道孔径 (mm) Flow port dimension	d	-40	255	255	258	290	325	265	395	-
重量Weight(约)(Kg)		3.5	3.5	4.3	6.7	10.9	12	14.8	-	-

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或对焊，设计按API602
Threaded, butt-welded or socket welded ends; design to API 602

CL1500

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
结构长度 (mm) Face to face	L	92	111	111	120	120	140	172	-	-
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	180	200	-	-
中心高度(开) (mm)Heiht	H	-196	321	321	322	359	399	446	480	-
流道孔径 (mm) Flow port dimension	d	-40	285	285	287	309	343	396	420	-
重量Weight(约)(Kg)		3.5	6.7	6.7	11	12.3	15.8	28	-	-

螺栓连接低温加长阀盖，缩径，明杆支架(OS&Y)。
Bolted bonnet cryogenic extended bonnet, reduced port, OS & Y
末端连接可按螺纹或承插焊或对焊，设计按API602
Threaded, butt-welded or socket welded ends; design to API 602

CL150-300-600

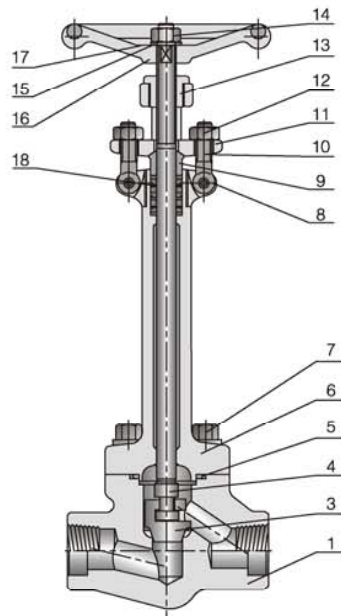
规格 (NPS) Specification	缩径(R.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	CL150 CL300 CL600	L(RF), L1(BW)	-	-	108 140 165	118 153 191	127 165 216	-	165 191 241	178 216 282
手轮直径 (mm) Handwheel diameter	W	-	-	100	100	125	160	160	180	-
中心高度(开) (mm)Heiht	-196 -40	H	-	-	321 285	322 287	359 309	399 343	446 396	480 420
流道孔径 (mm) Flow port dimension	d	-	-	10.5	13.5	18	24	29	36.5	-
重量 Weight (约) (Kg)	CL150 CL300 CL600	RF BW RF BW RF BW	-	-	5.0 - 5.8 - 6.0	5.5 - 7.3 - 8	8.8 - 9.7 - 11.2	13.5 - 12.5 - 13.5	15 - 19.5 - 21.5	20.3 - 22.3 - 24.8

螺栓连接低温加长阀盖，缩径，明杆支架(OS&Y)。
Bolted bonnet cryogenic extended bonnet, reduced port, OS & Y
末端连接可按螺纹或承插焊或对焊，设计按API602
Threaded, butt-welded or socket welded ends; design to API 602

CL1500

规格 (NPS) Specification	缩径(R.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	-	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)Heiht	H	-196 -40	-	321 285	322 287	359 309	399 343	446 396	480 420
流道孔径 (mm) Flow port dimension	d	-	10.5	13.5	18	24	29	36.5	-
重量Weight(约)(Kg)		-	14	23	25.3	5.7	47	72	-

低温截止阀
Cryogenic globe valves



应用规范Application standards

- 1、设计制造Design and manufacture conform to:
API 602
- 2、连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 3、阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 4、结构特征structure features:
螺栓连接阀盖 (B.B) 和明杆支架 (OS & Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS & Y)
Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials:
LF2; LF3; 304(L); 316(L); F347; F321; F51。

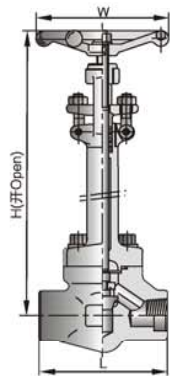
碳钢温压等级 Carbon steel temperature-pressure rate

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	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)	B8(M)
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)	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	-	-	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite

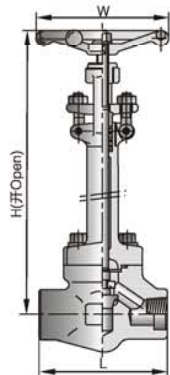
低温截止阀
Cryogenic globe valves



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

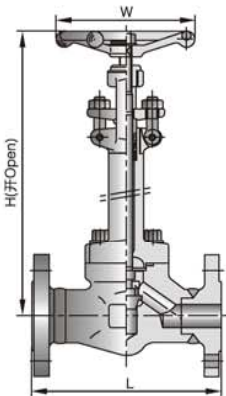
规格 (NPS) Specification	缩径(R.P) 全径(F.P)	-	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L	79	79	92	111	120	152	172
手轮直径 (mm) Handwheel diameter	W	100	100	100	125	160	160	180
中心高度(开)(mm) Heiht	H	-196℃ -101℃ -40℃	390	390	415	430	460	490
流道孔径 (mm) Flow port dimension	d	7.0	9.0	13	17.5	23	30	35
重量Weight(约)(Kg)		7.2	7.2	7.2	9.5	10.8	13.5	19.8



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

CL1500

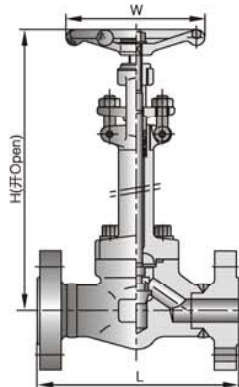
规格 (NPS) Specification	缩径(R.P) 全径(F.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	L	92	111	111	120	152	172	220	-
手轮直径 (mm) Handwheel diameter	W	125	125	125	160	160	180	200	-
中心高度(开)(mm) Heiht	H	-196℃ -101℃ -40℃	370	370	370	410	410	474	546
流道孔径 (mm) Flow port dimension	d	12	12	15	20	28	32	40	-
重量Weight(约)(Kg)		9.5	9.5	9.5	10.8	13.5	19.8	29	-



螺栓连接低温加长阀盖，缩径，明杆支架(OS&Y)。
Bolted bonnet cryogenic extended bonnet, reduced port, OS & Y
末端连接可按法兰连接或对焊，设计按BS5352
Flanged or butt welded ends; design to BS5352

CL150-300-600

规格 (NPS) Specification	缩径(R.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150 CL300 CL600	-	-	108	118	127	-	165	203
手轮直径 (mm) Handwheel diameter	W	-	-	100	100	125	-	160	180
中心高度(开) (mm)Heiht	H	-196℃ -101℃ -40℃	-	390	415	430	-	490	505
流道孔径 (mm) Flow port dimension	d	-	-	9.0	13	17.5	-	30	35
重量 Weight (kg)	CL150 CL300 CL600	-	-	5	5.8	8.6	-	13.8	24.3



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

CL1500

规格 (NPS) Specification	全径(F.P)	-	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度 (mm) Face to face	L	-	-	216	229	254	280	368
手轮直径 (mm) Handwheel diameter	W	-	-	125	125	160	160	200
中心高度(开) (mm)Heiht	H	-196℃ -101℃ -40℃	-	370	370	410	410	546
流道孔径 (mm) Flow port dimension	d	-	-	12	15	20	28	40

波纹管闸阀
Bellow sealed gate valves

采用以下结构Construction is as follows

- 全径或缩径;
Full port or conventional port;
明杆支架式 (OS& Y)
Outside screw and yoke (OS & Y)
自定心压板压套式;
Self-centering gland and flange;
螺栓连接、缠绕垫片密封式阀盖
Bolted bonnet & spiral wound gasket seal bonnet;
螺栓连接、全焊密封式阀盖
Threaded with full welding seal bonnet;
承插端符合; ASME B16.11
Socket weld ends to ASME B16.11
螺栓连接端 (NPT) 符合 ANSI/ASME B1.20.1。
Screwed ends (NPT) to ANSI/ASME B1.20.1.

波纹管密封阀门，其阀杆实现了三级密封
The stem of bellow seal valves has 3-level seals

不锈钢波纹管保护密封; SS Bellow sealing;
阀杆填料密封; Packing emergency sealing;
阀门全程开启后通过上密封结构达到密封。Backseat sealing.



锻钢波纹管有两种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹柔性石墨制造）或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺栓连接，全焊密封。客户有特殊要求时也可采用全焊透连接。

Bellow sealed valves are available in two bonnet designs. The first design is the BoltedBonnet, with male-female joint, spiral woundgasket, maded in F304L/ graphite. Ring jointgasket are also available on request. Thesecond design is the welded bonnet, with athreaded and seal welded joint. On requesta full penetration strength welded joint is availabe.

波纹管闸阀
Bellow sealed gate valves

应用规范Application standards

- 设计制造Design and manufacture conform to:
API 602; MSS-SP-117
- 连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 结构特征structure features;
螺栓连接阀盖 (B.B) 和明杆支架 (OS & Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS & Y)
Welded bonnet, outside screw and yoke
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials:
A105; 304(L); 316(L); F347; F321; F51。
主体材料Bellow materials: 304、321、316、Inconel 625、
Hastelloy C 276、Monel等。

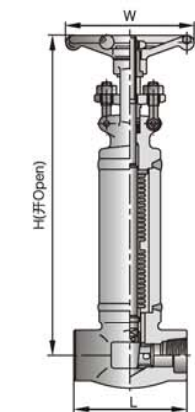
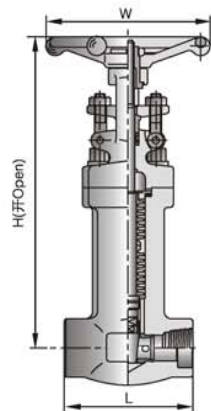
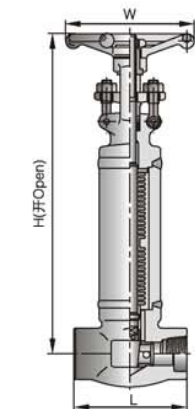
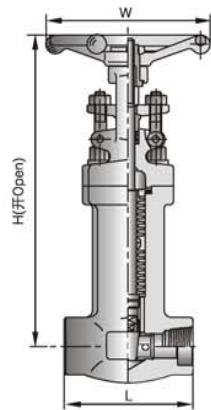
碳钢温压等级 Carbon steel temperature-pressure rate

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/F6aHFS	F11/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	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨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

波纹管闸阀
Bellow sealed gate valves



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
Threated, butt-welded or socket welded ends; design to API 602, MSS-SP-117

CL800

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
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) Heiht	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(约)(Kg)		3.0	3.0	3.3	5.9	8.7	10.2	16.2

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
Threated, butt-welded or socket welded ends; design to API 602, MSS-SP-117

CL800

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
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) Heiht	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(约)(Kg)		2.9	2.9	3.2	4.6	7.2	8.9	15.5

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
Threated, butt-welded or socket welded ends; design to API 602, MSS-SP-117

CL1500

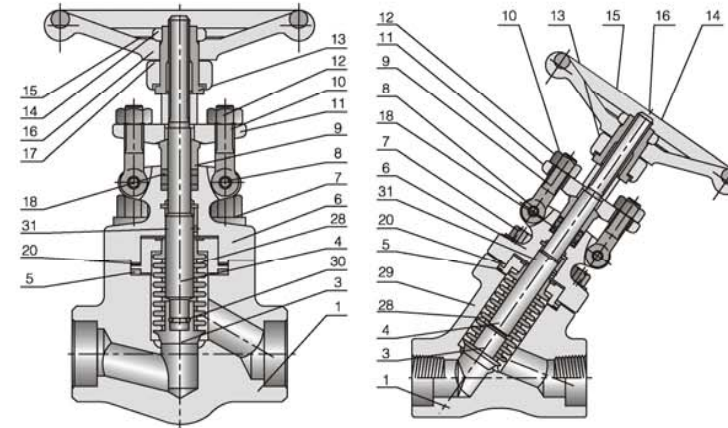
规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度 (mm) Face to face	L	92	111	111	120	120	140	172
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	480	180
中心高度(开)(mm) Heiht	H	255	264	320	379	478	607	636
流道孔径 (mm) Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量Weight(约)(Kg)		3.1	5.1	5.1	9.0	10.5	16.7	21

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
Threated, butt-welded or socket welded ends; design to API 602, MSS-SP-117

CL1500

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
结构长度 (mm) Face to face	L	92	111	111	120	120	140	172
手轮直径 (mm) Handwheel diameter	W	100	125	125	160	160	180	180
中心高度(开)(mm) Heiht	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(约)(Kg)		2.9	4.7	4.7	7.4	5.7	16	19

短型波纹管截止阀
Short pattern bellow seal globe valves



碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表Main part materials list

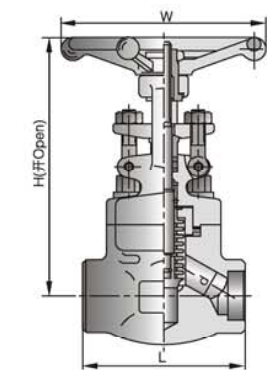
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆Stem	410	410	410	304(L)	316(L)
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	A105	F304(L)	F316(L)
7	螺栓Bolt	B7	B7	B7	B8(M)	B8(M)
8	销轴Pin	410	410	410	304	304
9	填料压套Packing bushing	410	410	410	304	316
10	活节螺栓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	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨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

应用规范Application standards

- 设计制造Design and manufacture conform to:
API 602; MSS-SP-117
- 连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 结构特征structure features:
螺栓连接阀盖 (B.B) 和明杆支架 (OS & Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS & Y)
Welded bonnet, outside screw and yoke
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials: A105; LF2; F5;
F11; F22; 304(L); 316(L); F347; F321; F51;
Monel; 20合金等。
- 波纹管材料Bellow materials: 304、321、316、
Inconel 625、Hastelloy C 276、Monel等。

短型波纹管截止阀
Short pattern bellow seal globe valves

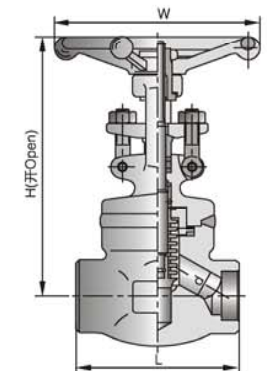
波纹管截止阀
Bellow sealed globe valves



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

CL800

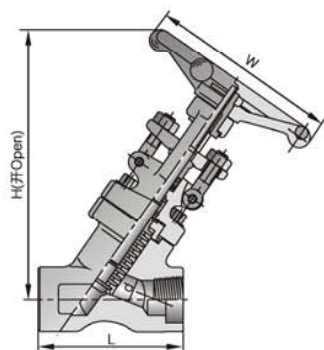
规格(NPS)	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)	L	79	79	92	111	120	152	172	200	-
手轮直径(mm)	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)	H	162	162	164	200	220	257	295	350	-
流道孔径(mm)	d	7.0	9.0	13	17.5	23	30	35	46	-
重量(约)(Kg)		2.5	2.3	2.4	4.35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



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

CL800

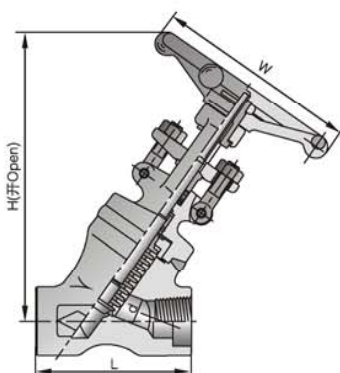
规格(NPS)	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)	L	79	79	92	111	120	152	172	200	-
手轮直径(mm)	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)	H	162	162	164	200	220	257	295	350	-
流道孔径(mm)	d	7.0	9.0	13	17.5	23	30	35	46	-
重量(约)(Kg)		1.8	1.7	1.9	3.3	5.2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



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

CL800

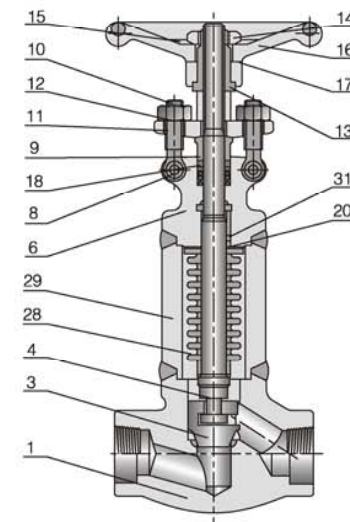
规格(NPS)	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	-	-
结构长度(mm)	L	98	98	98	120	140	140	170	-	-
手轮直径(mm)	W	100	100	100	125	160	160	180	-	-
中心高度(开)(mm)	H	180	180	180	188	280	280	295	-	-
流道孔径(mm)	d	7	9	13	17.5	23	30	35	-	-
重量(约)(Kg)		2.6	2.6	3.8	4.6	9.3	9.3	14	-	-



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

CL800

规格(NPS)	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	-	-
结构长度(mm)	L	98	98	98	120	140	140	170	-	-
手轮直径(mm)	W	100	100	100	125	160	160	180	-	-
中心高度(开)(mm)	H	198	198	198	207	280	280	295	-	-
流道孔径(mm)	d	7	9	13	17.5	23	30	35	-	-
重量(约)(Kg)		1.8	1.8	2.0	3.5	8.0	8.0	12	-	-



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

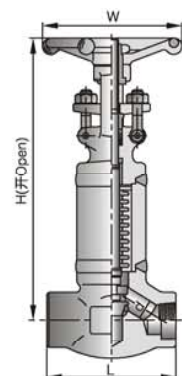
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	垫片Stem	410	410	410	304(L)	316(L)
6	螺栓Bonnet	A105	A105	A105	F304(L)	F316(L)
8	销轴Pin	410	410	410	304	304
9	填料压套Gland	410	410	410	304	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	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨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

应用规范Application standards

- 设计制造Design and manufacture conform to:
BS5352; MSS-SP-117
- 连接端尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 结构特征structure features:
螺栓连接阀盖 (B.B) 和明杆支架 (OS & Y)
Bolted bonnet, outside screw and yoke
或焊接阀盖 (W.B) 和明杆支架 (OS & Y)
Welded bonnet, outside screw and yoke
- 材料按Materials conform to ANSI/ASTM的规定。
- 主体材料Main materials: A105;304(L); 316(L);
F347; F321等。
- 波纹管材料Bellow materials: 304、321、316、
Inconel 625、Hastelloy C 276、Monel等。

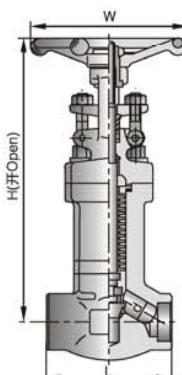
波纹管截止阀

Bellow sealed globe valves



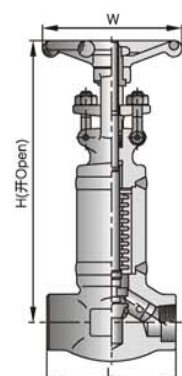
焊接阀盖, 缩径和全径明杆支架(OS&Y)
Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
末端连接为螺纹或承插焊或对焊, 设计按BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352, MSS-SP-117

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
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) Heihgt	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	460	—
重量Weight(约)(Kg)		2.6	2.5	2.7	4.4	6.7	8.8	15	18.5	—



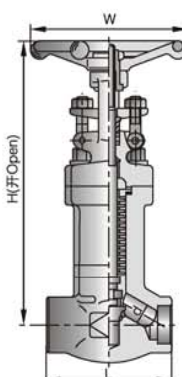
螺栓阀盖, 缩径和全径明杆支架(OS&Y)
Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y)
末端连接为螺纹或承插焊或对焊, 设计按BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352, MSS-SP-117

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
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) Heihgt	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(约)(Kg)		3.3	3.7	4.2	5.5	7.25	9.8	16	21	—



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

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	92	92	111	111	120	152	172	220
手轮直径 (mm) Handwheel diameter	W	100	100	125	125	160	160	180	200
中心高度(开)(mm) Heihgt	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(约)(Kg)		3.3	3.5	5	7.5	10	16	27	30

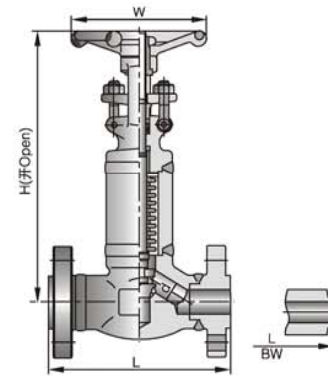


螺栓阀盖, 缩径和全径明杆支架(OS&Y)
Bolted bonnet, full port outside screw and yoke (OS & Y)
末端连接为螺纹或承插焊或对焊, 设计按BS5352、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352, MSS-SP-117

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	92	92	111	111	120	152	172	220
手轮直径 (mm) Handwheel diameter	W	100	100	125	125	160	160	180	200
中心高度(开)(mm) Heihgt	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(约)(Kg)		3.3	3.5	5	7.5	10	16	27	30

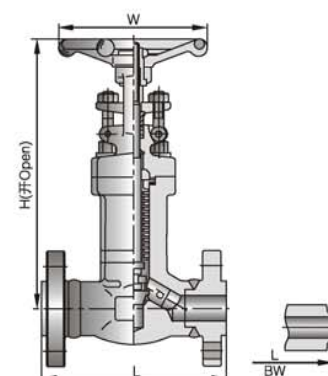
波纹管截止阀

Bellow sealed globe valves



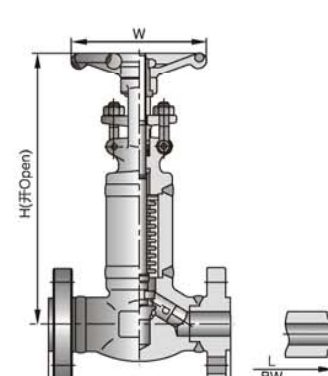
焊接阀盖, 缩径和全径明杆支架(OS&Y)
Welded bonnet, full port & reducing port outside screw and yoke (OS & Y)
末端连接为连接法兰或对焊, 设计按BS5352、MSS-SP-117
Flanged-welded or butt-welded ends; design to BS5352, MSS-SP-117

规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150 CL300 CL600	L(RF) L1(BW)	— —	108 152	117 178	127 203	140 216	165 229	203 267
手轮直径 (mm) Handwheel diameter	W	—	—	100	100	125	160	160	180
中心高度(开)(mm) Heihgt	CL150,CL300 CL600	H	— —	340/350 360	340/350 360	360/375 390	380/400 430	450/470 500	540/570 600
流道孔径 (mm) Flow port dimension	d	—	—	9	13	17.5	23	30	35
重量 Weight (约)(Kg)	CL150 CL300 CL600	RF/BW RF/BW RF/BW	— — —	3.67/3 4.3/2	4.3/3.6 4.8/4	6.3/5.7 7.3/6.7	10.5/9.5 13/11	11.5/9.8 14.5/12	19.5/16 22/18



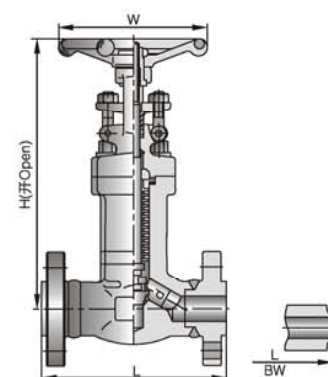
螺栓阀盖, 缩径和全径明杆支架(OS&Y)
Bolted bonnet, full port & reducing port outside screw and yoke (OS & Y)
末端连接为连接法兰或对焊, 设计按BS5352、MSS-SP-117
Flanged-welded or butt-welded ends; design to BS5352, MSS-SP-117

规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150 CL300 CL600	L(RF) L1(BW)	— —	108 152	117 178	127 203	140 216	165 229	203 267
手轮直径 (mm) Handwheel diameter	W	—	—	100	100	125	160	160	180
中心高度(开)(mm) Heihgt	CL150,CL300 CL600	H	— —	340/350 360	340/350 360	360/375 390	380/400 430	450/470 500	540/570 600
流道孔径 (mm) Flow port dimension	d	—	—	9	13	17.5	23	30	35
重量 Weight (约)(Kg)	CL150 CL300 CL600	RF/BW RF/BW RF/BW	— — —	4.17/3.5 4.5/3.7	4.8/4.1 5.2/4.5	7.7/6.7 8.3/7.7	12.5/11.5 14.5/12.5	14/11.5 16/13.5	21.5/18 24/20



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

规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF),L1(BW) L(RT,J)	— —	— —	216 216	229 229	254 254	280 280	305 305	368 371
手轮直径 (mm) Handwheel diameter	W	—	—	125	125	160	160	180	200
中心高度(开)(mm) Heihgt	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(约)(Kg)		—	—	11.1	11.8	14.1	16.5	23.8	37.5



螺栓阀盖, 缩径和全径明杆支架(OS&Y)
Bolted bonnet, reducing port outside screw and yoke (OS & Y)
末端连接为连接法兰或对焊, 设计按BS5352、MSS-SP-117
Flanged-welded or butt-welded ends; design to BS5352, MSS-SP-117

规格 (NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF),L1(BW) L(RT,J)	— —	— —	216 216	229 229	254 254	280 280	305 305	368 371
手轮直径 (mm) Handwheel diameter	W	—	—	125	125	160	160	180	200
中心高度(开)(mm) Heihgt	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(约)(Kg)		—	—	11.6	12.3	15	17.5	25	38.3

Y型过滤器
Y-type strainers

采用以下结构Construction is as follows

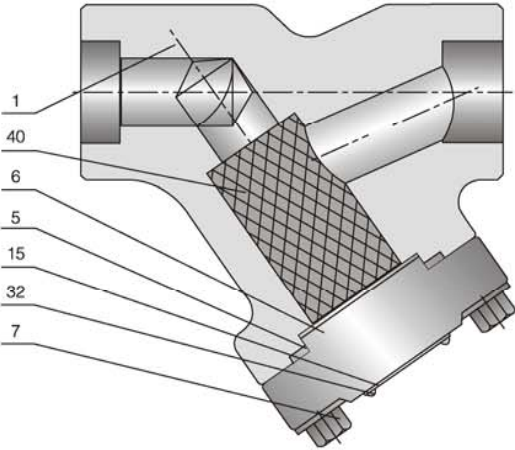
全径或缩径；
Full port or conventional port;
螺栓连接、缠绕垫片密封式阀盖
Bolted bonnet & spiral wound gasket seal bonnet;
承插端符合；ASME B16.11
Socket weld ends to ASME B16.11
螺纹连接端（NPT）符合 ANSI/ASME B1.20.1。
Screwed ends (NPT) to ANSI/ASME B1.20.1.
可设有排放堵塞，可更换式过滤网
Equip blow down tap and renewable strainer.

锻钢Y型过滤器，螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹柔性石墨制造）或采用金属环连接密封。

Forged steel Y type strainer, bolted bonnet, gasket adopt spiral wound (304 + flexible graphite) or metalring seal.



Y型过滤器
Y-type strainers



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

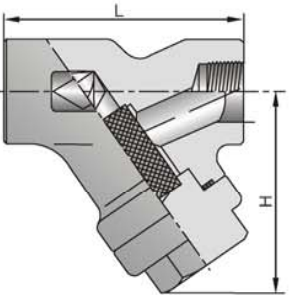
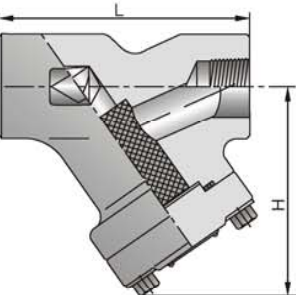
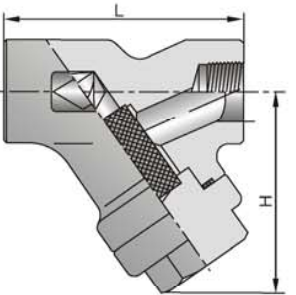
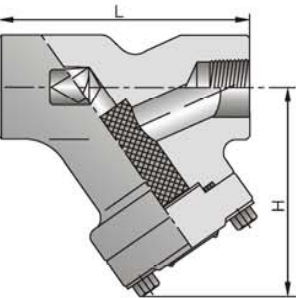
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 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)

应用规范Application standards

- 设计制造Design and manufacture conform to; BS5352
- 连接端尺寸Connection ends conform to;
1) 承插口尺寸按Screw ends 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Test and inspection conform to ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features: ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to; API598; GB/T13927; JB/T9092
- 结构特征structure features;
螺栓连接阀盖（B.B）焊接阀盖（W.B）
Bolted bonnet or welded bonnet
- 材料按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。

Y型过滤器

Y-type strainers



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BS 5352

CL800

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

规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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	98	98	98	120	140	140	170	-	-
中心高度(开)(mm) Heihgt	H	70	70	70	100	110	120	120	-	-
流道孔径 (mm) Flow port dimension	d	7	9	13	17.5	30	30	35	-	-
重量Weight(约)(Kg)		2.2	2.2	2.1	4.2	8.9	8.9	10	-	-

焊接阀盖，缩径和全径

Welded bonnet, full port and reducing port

末端连接为螺纹或承插焊或对焊，设计按BS 5352

CL800

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

规格 (NPS) Specification	缩径(R.P)	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	全径(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	98	98	98	120	140	140	170	-	-
中心高度(开)(mm) Heihgt	H	65	65	65	95	105	110	110	-	-
流道孔径 (mm) Flow port dimension	d	7	9	13	17.5	23	30	35	-	-
重量Weight(约)(Kg)		1.8	1.8	2.0	3.5	9	8.0	12	-	-

螺栓阀盖，全径

Bolted bonnet, full port

末端连接为螺纹或承插焊或对焊，设计按BS 5352

CL900-CL1500

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

规格 (NPS) Specification	全径(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	120	120	120	140	170	170	220	-
中心高度(开)(mm) Heihgt	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(约)(Kg)		2.1	4.2	9	8.9	10	18.6	20	-

焊接阀盖，全径

Welded bonnet, full port

末端连接为螺纹或承插焊或对焊，设计按BS 5352

CL900-CL1500

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

规格 (NPS) Specification	全径(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	120	120	120	140	170	170	220	-
中心高度(开)(mm) Heihgt	H	65	65	95	105	110	110	140	-
流道孔径 (mm) Flow port dimension	d	9	12	15	20	28	32	40	-
重量Weight(约)(Kg)		2.0	3.5	8.0	8.0	12	16	18	-

锻钢球阀

Forged steel ball valves



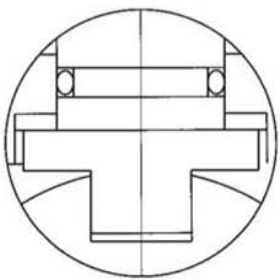
采用以下结构Construction is as follows

- 全径或缩径；
- Full port or conventional port;
- 90度定位和带锁结构；
- 90° locating and lock structure;
- 特殊形式的“Y”头手柄；
- Special Y type handle;
- 防火和防静电设计；
- Fire proof and anti static;
- 符合ISO5211的上法兰；
- Mounted flange as per ISO 5211;
- 防吹出阀杆；
- Blow out proof stem;
- 阀杆中部双重密封结构；
- Double sealing for the stem;
- 螺栓、螺纹垫片密封阀盖；
- 螺栓、螺纹垫片密封阀盖；
- 承插端符合；ASMEB16.11
- 承插端符合；ASMEB16.11
- Socket weld ends to ASME B16.11
- 螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1。
- 螺纹连接端 (NPT) 符合 ANSI/ASME B1.20.1。
- Screwed ends (NPT) to ANSI/ASME B1.20.1.

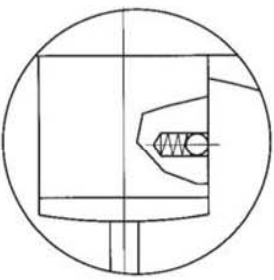
锻钢球阀有两种设计形式。一种是二片式结构，其中部螺纹连接，以RPTFE或PEEK密封；另一种是三片式结构，中部用螺栓连接。根据所选的阀座与垫片/填料的材料不同，适应不同的工作温度和介质。

Forged steel ball valves have two structures. one is of 2PCS structure, threaded bonnet, RPTFE or PEEK seal. The other is of 3PCS structure. Bolted tailpieces. Disfferent materials for seats, gaskets and packing may bechosen acc. to different using conditions. Construction is as follows.

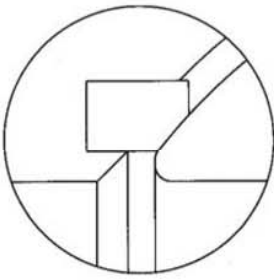
锻钢球阀
Forged steel ball valves



防阀杆吹出结构
Blow out proof stem



防静电结构
Anti static



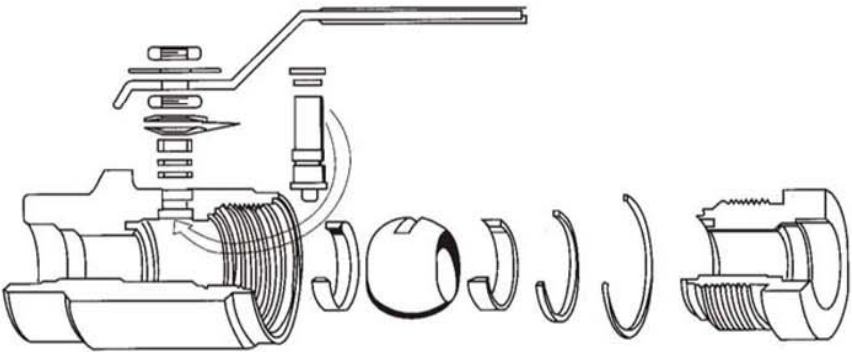
防火结构
Fire safe

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 tructed by many customers because of ifs reasonable structures small space-occupation andgood sealing performance

设计结构Design structure

阀座采用PTFE+25%玻纤或PEEK。PTFLE+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磅级压力下采用。
具有防火、防静电能为防阀杆吹出结构。

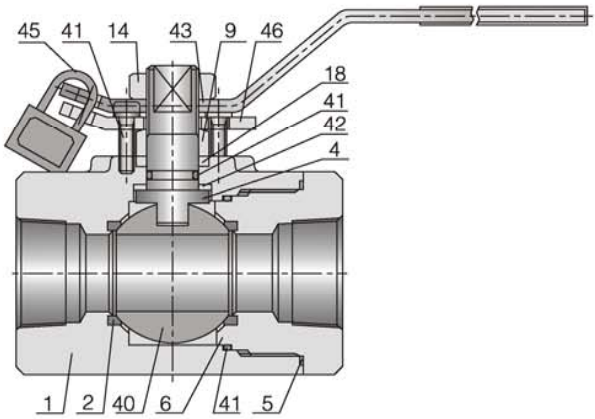
Seat is made of PTFE reinforced with 25% glass fibre of PEEK. PTFE with 25% glass fibre can gain better performances normally used for class 800 ball valves. PEEK can gain better performances under high pressure and high temperature normanlly used ofr class 1500 ball valves.
Anti static/fire safe/blow 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

二片式锻钢球阀
2PCS Forged steel ball valves



碳钢温压等级 Carbon steel temperature-pressure rate

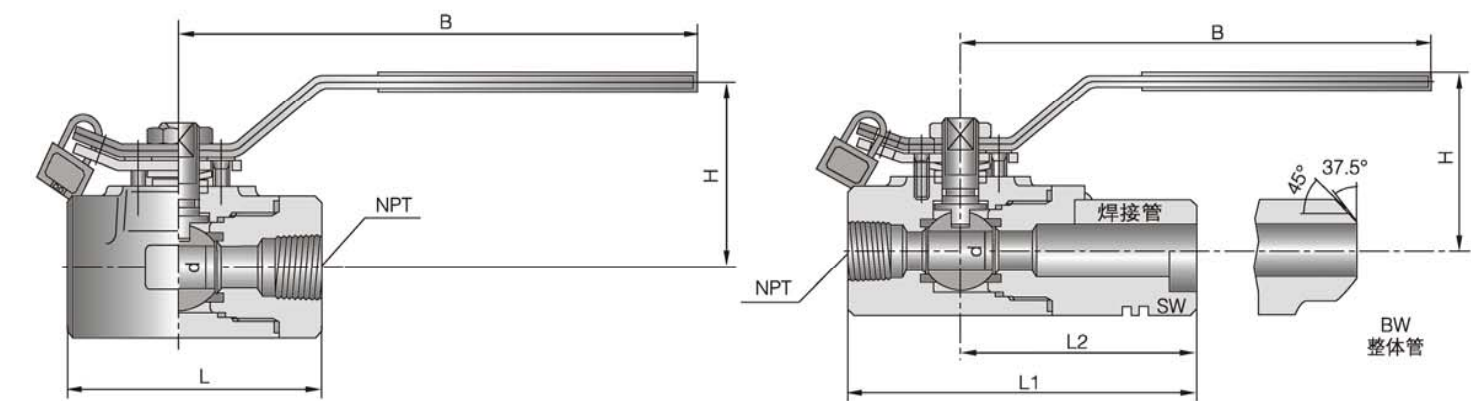
CL150-285 P.S.I @100° F
CL300-740 P.S.I @100° F
CL600-1480 P.S.I @100° F
CL800-1975 P.S.I @100° F
CL1500-3705 P.S.I @100° F

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)
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	8	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	88	88	88	88	88
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

应用规范Application standards

- 设计制造Design and manufacture conform to: BS5351
- 连接端尺寸Connection ends conform to:
 - 承插口尺寸按Screw ends dimension conform to ANSI B16.11; JB/T1751
 - 螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1; JB/T7306
 - 对焊端尺寸按Test and inspection conform to ANSI B16.25; JB/T12224
 - 法兰端尺寸按Structure features: ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to: API598; GB/T13927; JB/T9092
- 结构特征structure features:
螺栓连接阀盖；两段式；
Bolted bonnet; two-piece;
- 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。

二片式锻钢球阀
2PCS Forged steel ball valves



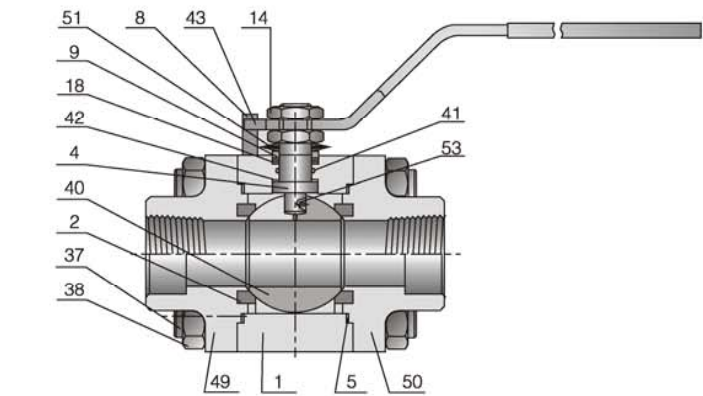
末端连接可按一端螺纹和一端按管（承插焊或对焊）设计按BS 5351
CL800 Connection ends may be pipe-welded (butt-welding or socket welding) and/or threaded, design to BS5351

规格 (NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度 (mm) Face to face	L	60	60	75	80	90	110	120	140	-
中心至手柄端(mm) Center to handle end	B	160	160	160	160	170	230	230	280	-
中心高度(开)(mm) Heiht	H	60	60	60	65	85	105	105	125	-
流道孔径 (mm) Flow port dimension	d	6	9	13.5	19	24	32	38	49	-
重量Weight(约)(Kg)		1.2	0.9	1.3	2.2	3.5	6.5	6.5	11	-

末端连接可按一端螺纹和一端按管（承插焊或对焊）设计按API 6D
CL1500-CL2500 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	CL1500	70	75	85	95	105	120	130	150
		CL2500	-	-	125	135	155	-	155	-
中心至手柄端(mm) Center to handle end	B	CL1500	160	160	160	170	230	230	280	280
中心高度(开)(mm) Heiht	H	CL1500	60	60	65	85	105	105	125	-
流道孔径 (mm) Flow port dimension	d	CL1500	6	6	13	19	25	32	38	49
重量Weight(约)(Kg)		CL1500	1.2	1.5	2.5	3.7	5.8	-	11.5	13.7

三片式锻钢球阀
3PCS Forged steel ball valves



碳钢温压等级 Carbon steel temperature-pressure rate

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

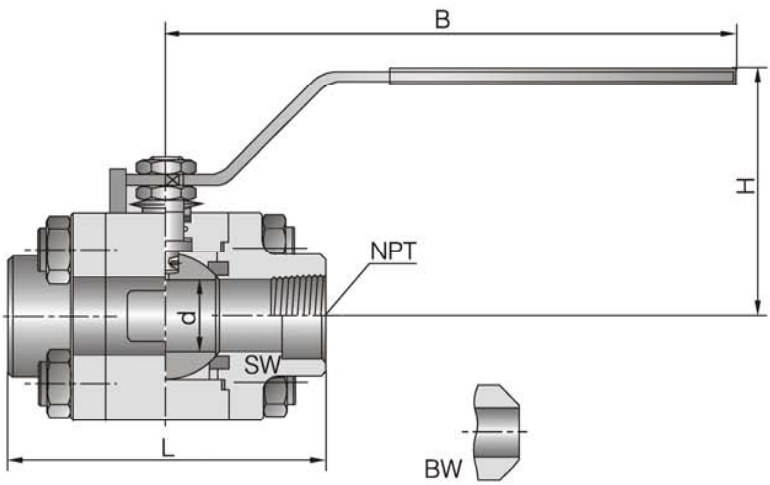
典型零件材料表Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	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
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

应用规范Application standards

- 设计制造Design and manufacture conform to:
BS5351
- 连接端口尺寸Connection ends conform to:
1) 承插口尺寸按Screw ends 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Test and inspection conform to
ANSI B16.25; JB/T12224
4) 法兰端尺寸按Structure features:
ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to:
API598; GB/T13927; JB/T9092
- 结构特征structure features:
螺栓连接阀盖；三段式；
Bolted bonnet; three-piece;
- 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。

三片式锻钢球阀
3PCS Forged steel ball valves



CL800-CL1500

末端连接可按一端螺纹和一端按管（承插焊或对焊）设计按BS 5351
Connection ends may be pipe-welded (butt-welding or socket welding) and/or threaded, design to BS5351

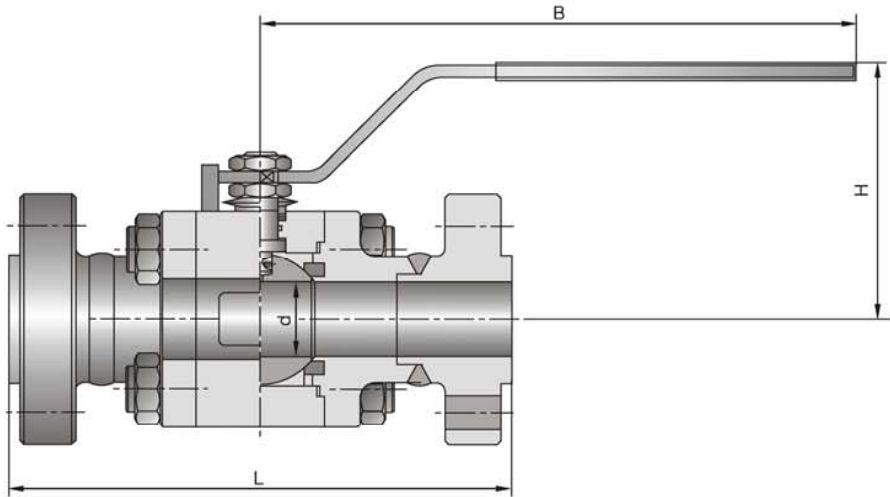
规格(NPS) Specification	全径(F.P)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L		75	75	85	100	115	130	150	180
中心至手柄端(mm) Center to handle end	B		108	108	108	146	178	178	200	200
中心高度(mm) Height	H		51	51	51	108	81	85	105	105
流道孔径(mm) Height (andle dinmensions)	d	CL800	6	9	13	18	23	28	35	49
		CL1500	6	9	13	19	25	32	38	49

CL1500

末端连接可按一端螺纹和一端按管（承插焊或对焊）设计按BS 5351
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		85	85	100	120	135	160	185	220
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 (andle dinmensions)	d	CL800	6	9	13	18	23	28	35	49
		CL1500	6	9	13	19	25	32	38	49

三片式锻钢球阀
3PCS Forged steel ball valves



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; gesign 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	254	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 (andle dinmensions)	d	CL1500	13	19	25	32	38	49
		CL2500	13	19	25	32	38	42
重量(约)(Kg)Weight		CL1500	2.5	5.8	5.8	6.8	11.5	13.7
		CL2500	2.7	6.3	6.3	6.8	12	15

