



江苏理想阀门有限公司

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锻钢阀门&仪表阀门系列



锻钢阀门&仪表阀门系列

Forged steel valves & Instrument Valve Series

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企业简介 COMPANY PROFILE

江苏理想阀门有限公司是专门从事各种阀门及管道配件的研发、生产、销售于一体的高科技民营企业，是中国发电行业协会、中国阀门协会会员，中石油、中石化一级网络供应商。公司位于江苏省阜宁县阜城镇城北工业园。

公司成立于2001年12月，注册资本11888万元人民币，拥有固定资产6583.19万元，占地面积90亩。现有员工146人，其中工程技术人员28人，中高层管理人员26人，生产工人90余人。设有一办六部四大车间，企业发展是我公司不懈的追求，公司坚持依靠科技创新、不断吸取国内外先进经验，引进先进的生产工艺和完善的检测设备，建立了一支高素质现代化队伍。

本公司主要产品有铸(锻)电站阀、截止阀、止回阀、球阀、蝶阀及各种仪表针型阀、阀组、压力容器系列；压力级：Class150~Class4500，PN16~PN420；口径：NPS1/2"~NPS1/2"~60"，DN15~DN1600；驱动方式：手动、齿轮传动、气(电)动、气液联动等；连接方式：法兰、对焊、承插焊、对夹、螺纹及卡套连接；主要材料：A105、LF类、F304、F316、F316L、F51、F11、F22、WCB、WC9、LCB、CF8、CF8M、CF3M等；公司产品广泛用于电站、冶金、化工、石油、造气、科研等领域，并致力开拓国际市场。

本公司有精良的制造、检测设备，现有国内外先进数控机床、激光切割以及各类机械生产通用设备160多台，数控加工中心多台，检测设备有理化、探伤及无损探伤检测中心等各类检测设备76台。公司在2012年新增加了2吨、4吨、8吨DY系列电液锤各一台套，配套T31YH系列操作机及ZHLJ系列取料机各四台，锻造产品日加工能力超过30吨。公司采用标准化操作工艺及完备的性能测试手段，可保证正确的量值传递和所用各种金属材料化学成分准确性。

本公司十分重视企业管理和产品质量，公司现已通过ISO9001:2015质量体系认证、国家特种设备许可证的“TS认证”、CCS船级社认证、美国石油协会“API 6A/6D认证”、“API 607”防火证书及意大利“CE”认证等；详见江苏理想阀门有限公司《资料汇编》，公司阀门还拥有十二项阀门专利技术。

公司始终以市场为导向，以质量信誉求生存，以科技创新求发展的经营理念，确保用户利益为前提实现双赢为目标；科学的管理，完善的服务为客户提供满意的产品。

竭诚欢迎中外客户选用公司产品！



Jiangsu Ideal Valve Co., Ltd. is a high-tech private enterprise specializing in R&D, production and sales of various valves and pipe fittings. It is a member of China Power Generation Association and China Valve Association, and is a first-tier network supplier of PetroChina and Sinopec. The company is located in the North Industrial Park of Fucheng Town, Funing County, Jiangsu Province.

The company was established in December 2001 with a registered capital of 118.88 million yuan, a fixed asset of 65,831,900 yuan and an area of 90 mu. It now has 146 employees, including 28 engineers and technicians, 26 middle and senior managers, and over 90 workers. Equipped with one office, six departments and four workshops, our company has been unremittingly pursuing development. The company insists on relying on scientific and technological innovation, constantly drawing on advanced domestic and foreign experience, introducing high-end production techniques and perfect testing equipment, and has thus built a high-quality modern team.

The company's main products are casting (forging) power station valves, globe valves, check valves, ball valves, butterfly valves and various meter needle valves, valve manifolds, pressure vessel series; pressure level: diameter: drive mode: manual, gear drive, gas (electric) drive, pneumatic-hydraulic gang control, etc.; connection method: flange, butt weld, socket weld, wafer, thread and ferrule connection; main materials: A105, LF, F304, etc. The products of our company are widely applied in power stations, metallurgy, chemical industry, petroleum, gas, scientific research and other fields, and we are committed to open up the international market. The company boasts superior manufacturing and testing equipment, with more than 160 domestic

and foreign advanced CNC machine tools, laser cutting and general machinery production equipment, many sets of CNC machining centers, 76 sets of testing equipment in physical and chemical, flaw detection and non-destructive testing centers. In 2012, the company newly added one set of 2-ton, 4-ton and 8-ton DY series electrohydraulic hammers, with the supporting four T31YH series operation machines and four ZHLJ series reclaimers. The daily processing capacity of the forged products exceeds 30 tons. The company adopts standardized operating techniques and complete performance testing methods to ensure the correct value transfer and the accuracy of the chemical composition of various metal materials used.

The company attaches great importance to enterprise management and product quality, and has now passed the ISO9001:2015 quality system certification, the "TS certification" of the national special equipment license, the CCS classification society certification, the American Petroleum Institute "API 6A/6D Certification", "API 607" "Fire Certificate" and Italy "CE" certification; details as per "Data Compilation" of Jiangsu Ideal Valve Co., Ltd. The company also has twelve patented valve technologies.

The company has always been market-oriented, pursues quality reputation for survival, striving for development through scientific and technological innovation to ensure a win-win situation under the premise of customers' interests; providing customers with satisfactory products by scientific management and perfect service.

We sincerely welcome Chinese and foreign customers to choose our products!



车间展示

WORKSHOP DISPLAY

品质体现我们的尊严，出类拔萃的品质拒绝平庸。一丝不苟、千锤百炼、标准化的管理体系和系统化的品质保证体系，让理想阀门产品品质在世界的每个角落都畅通无阻，理想阀门通过与合作者们卓有成效的努力，正促使“理想阀门”成为世界上最无可挑剔的品质。

Quality embodies our dignity, a kind of elite quality refused to mediocrity. Meticulous, dental laboratories, standardized management system and systematized quality guarantee system, let LIXIANG Valve product quality, in every corner of the world in the clear LIXIANG Valve with collaborators fruitful efforts, are prompting "ideal valve" has become the world's most impeccable quality.

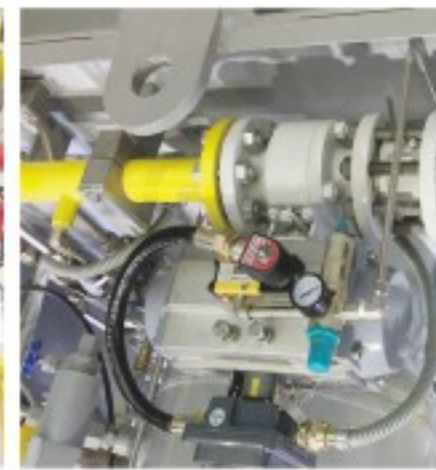


工程业绩

ENGINEERING PERFORMANCE

产品广泛应用于石化、冶炼、天然气、造纸、制药、城建等行业与长输管线等工程。产品畅销全国，并一直受到国内客户的好评。

Products are widely used in petrochemical, refining, gas, paper making, pharmacy, urban construction and other industries with long distance pipeline and other projects. Products are sold well all over the country, and has been praised by domestic customers.



锻钢球阀系列	01	FORGED STEEL BALL VALVE SERIES
分体式浮动球阀	02-08	Split Body Floating Ball Valve
法兰、对焊、顶装式固定球阀	09-22	Flange、Butt Welding、Top Mounted Type Trunnion Ball Valve
锻钢金属硬密封浮动球阀	23	Forged Steel Metal Hard Seal Floating Ball Valve
锻钢金属硬密封固定球阀	24	Forged Steel Metal Hard Seal Trunnion Ball Valve
高压锻钢球阀	25-26	High-Pressure Forged-Steel Ball Valve
锻钢浮动球阀	27-28	Forged Steel Floating Ball Valve
全焊接球阀系列	29	FULLY WELDING BALL VALVES
天然气管线专用焊接球阀	30	Natural Gas Pipelines Dedicated Welding Ball Valve
全焊接球阀	31-34	Fully Welded Ball Valve
天然气管线专用焊接球阀	35-36	Natural Gas Pipelines Dedicated Welding Ball Valve
锻钢式球阀结构图	37-38	Forged Steel Ball Valve Structure Drawing
对焊连接固定式锻钢球阀	39	Butt-Weld Connection Cast Steel Trunnion Type Ball Valve
全焊接结构固定式铸钢球阀	40-41	Welding Structure Trunnion Type Ball Valve
全焊接结构固定式球阀	42-47	Welding Structure Trunnion Type Ball Valve
锻钢小口径阀门系列	48	FORGED STEEL SMALL DIAMETER VALVE SERIES
阀门订货号	49	Valve order Number
内螺纹与承插焊闸阀	50-51	Female Threaded And Socket Welded Gate Valve
自密封闸阀	52	Pressure Sealing Gate Valve
内螺纹与承插焊闸阀	53-54	Female Threaded And Socket Welded Gate Valve
锻钢法兰闸阀	55	Forged Steel Flange Gate Valve
特殊用途闸阀	56	Special Purposes Gate Valve
内螺纹与承插焊截止阀	57-58	Female Threaded And Socket Welded Globe Valve
自密封截止阀	59	Pressure Sealing Globe Valve
内螺纹与承插焊截止阀	60-61	Female Threaded And Socket Welded Globe Valve
内螺纹与承插焊Y型截止阀	62	Female Threaded And Socket Welded Y Type Globe Valve
Y型截止阀	63-64	Y Type Globe Valve
法兰与对焊截止阀	65	Flang And Butt-welded Globe Valve
驱动装置	66	Available Actuation Type
内螺纹与承插焊止回阀	67-70	Female Threaded And Socket Welded Check Valve
内螺纹焊接Y型止回阀	71	Female Threaded Welded Y Type Check Valve
Y型自密封止回阀	72	Y Type Pressure Sealed Check Valve
Y型止回阀	73-74	Y Type Check Valve
法兰与对焊止回阀	75-76	Flange And Butt-Welded Check Valve

低温闸阀	77-78	Cryogenic Gate Valve
低温截止阀	79-80	Cryogenic Globe Valve
波纹管闸阀	81-82	Bellow Gate Valve
短型波纹管截止阀	83-84	Short Pattern Bellow Globe Valve
波纹管截止阀	85-87	Bellow Globe Valve
Y型过滤器	88-89	Y-type Strainers
锻钢球阀	90	Forged Steel Ball Valve
二片式锻钢球阀	91-92	2PCS Forged steel ball valve
三片式锻钢球阀	93-94	3PCS Forged steel ball valve
三片式法兰球阀	95	3PCS Flange Ball Valve
常用ASTM材料化学与物理特性	96	Usual Astm Materials' Chemical Analysis And Physical Properties
整体双法兰式双隔离/排放球阀	97	Integral Double Flanged Double Isolation/Discharge Ball Valve
整体单法兰式双隔离/排放球阀	98	Integral Single Flanged Double Isolation/Discharge Ball Valve
温度压力等级	99	Temperature And Pressure Rate
末端连接标准	100	Connection-end Standards
美标法兰	101	API flange
国标法兰	102	GB flange
钢制卡套式管接头系列	103	STEEL CARD SLEEVE JOINT SERIES
钢制卡套式管接头	104-106	SteelCard Sleeve Joint
对焊式压垫密封管接头系列	107	WELDING TYPE PRESSURE PAD SEAL PIPE JOINTB SERIES
对焊式压垫密封管接头	108-109	Welding Type Pressure Pad Seal Pipe Joint
自控仪表管路附件系列	110	AUTOMATIC CONTROL INSTRUMENT PIPELINE ACCESSORIES SERIES
自控仪表管路附件	111-114	Automatic Control Instrument Pipeline Accessories
测量管路截止阀系列	115	MEASURING LINE STOP VALVE SERIES
测量管路截止阀	116-125	Measuring line Stop Valve
气动管路球阀系列	126	PNEUMATIC LINE BALL VALVE SERIES
气动管路球阀	127-129	Pneumatic Tube Ball Valve
仪表阀组系列	130	INSTRUMENT VALVE SERIES
仪表阀组	131-137	Instrument valve
承插焊单/双隔离截止阀	138	Socket welding single/double isolation stop valve
法兰盘式双隔离截止阀	139	Flange disc double isolation stop valve
法兰式压力表截止阀	140	Flange type pressure gauge stop valve
一体化三阀组	141	Integrated tri-valve manifold
工型五阀组	142	I-type five-valve manifold
一体化五阀组	143	Integrated five-valve manifold
承插焊管件系列	144	SOKET WELDED PIPE FITTING SERIVES
承插焊管件	145-146	Socket Welded Pipe Fitting

锻钢球阀系列

FORGED STEEL BALL VALVE SERIES



分体式浮动球阀 Split Body Floating Ball Valve



分体式浮动球阀概述 Side Entry Floating Ball Valve Summary

浮动球阀是一种比较简单的结构，由两个阀座支撑。在介质压力的作用下，球体本身能产生一定量的位移，并紧紧压在出口端阀座密封面上，保证出口端密封。

The floating ball valve is simple structure type. It has two seat supporting the ball, the ball can tightly move towards the sealing to ensure seal at outlet end.

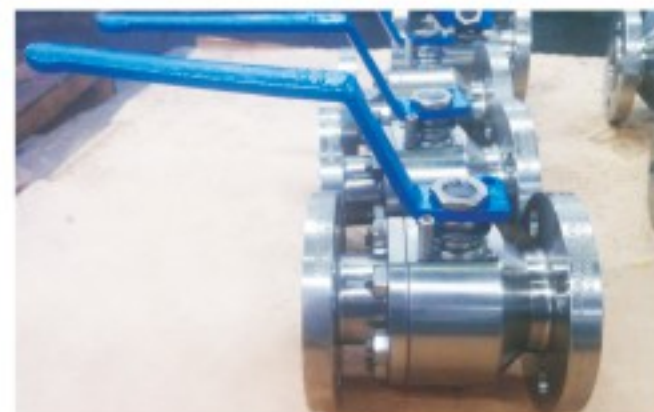
设计特色 Design Feature

标准设计 Standard design

API 608, ISO 17292 设计标准
ASME B16.5, B16.25 端部连接
防阀杆吹出
防火、防静电
浮动球结构
防火标准按照 ISO 10497, API 607,
API 6FA, BS 6755-2
API 608, ISO 17292 design and construction
ASME B16.5, B16.25 ends connection
Anti-blowout stem
Fire-safe, anti-static
Floating ball type
Fire safe acc to ISO 10497, API 607,
API 6FA, BS 6755-2

自选设计 Optional design

连接方式按照客户要求
单向密封结构
加长阀杆
长颈阀盖
金属密封阀座
现场维修
在阀座或阀杆密封区域覆层
在介质接触区域覆层
Connection end as required
Unidirectional seal type
Extended stem
Extended bonnet
Metal to metal seat
On-site maintenance pocket overlay
Seat or stem seal area overlay
Wetted parts overlay



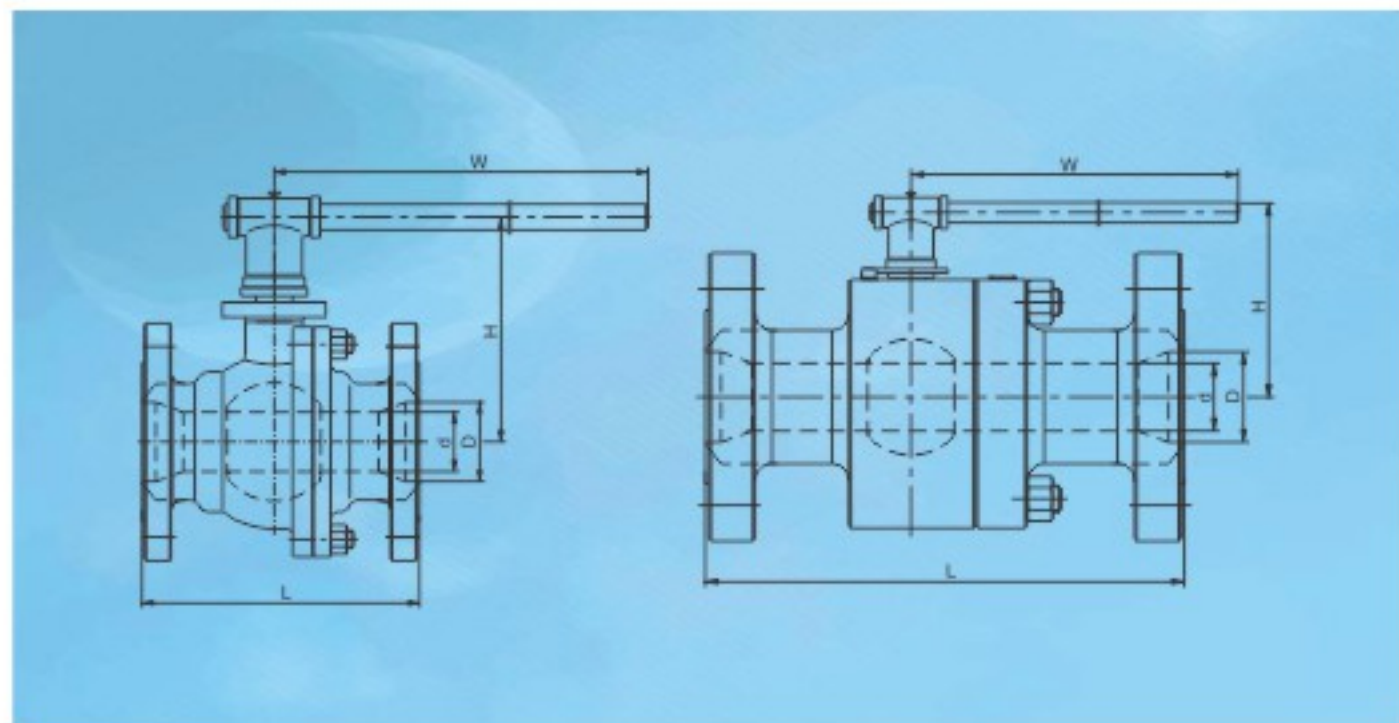


主要零件说明

Main Parts Specification

零件号 Part No.	零件名称 Part name	零件号 Part No.	零件名称 Part name
1a	中体 Body	8d	衬套 Bushing
1b	左/右体 Closure	9a	地脚 Supporting feet
2a	阀盖 Bonnet	9b	吊耳 Lifting lugs
3	球体 Ball	13a	螺栓 Bolt
4a	阀座 Seat	13b	螺母 Nut
4b	密封圈 Sealing ring	19a	螺钉 Stud
4c	防火垫 Gasket	19b	螺钉 Stud
4d	弹簧 Spring	20a	O型圈 O-ring
4e	O型圈1 O-ring 1	20c	O型圈 O-ring
4f	O型圈2 O-ring 2	21a	止推垫片 Thrust washer
5a	上阀杆 Stem	22a	销 Pin
5c	键 Key	22b	销 Pin
5d	螺钉 Screw	25a	注脂阀 Sealant injection
6d	填料 Packing	25b	注脂阀 Sealant injection
7	连接盘 Mounting plate	25d	放空阀 Vent Valve
8a	支撑板(上) Bearing retainer	25d1	隔离阀 Isolation Valve
8b	支撑板(下) Bearing retainer	25e	排污阀 Drain Valve
8c	衬套 Bushing	25f	泄放阀 Relieving Valve



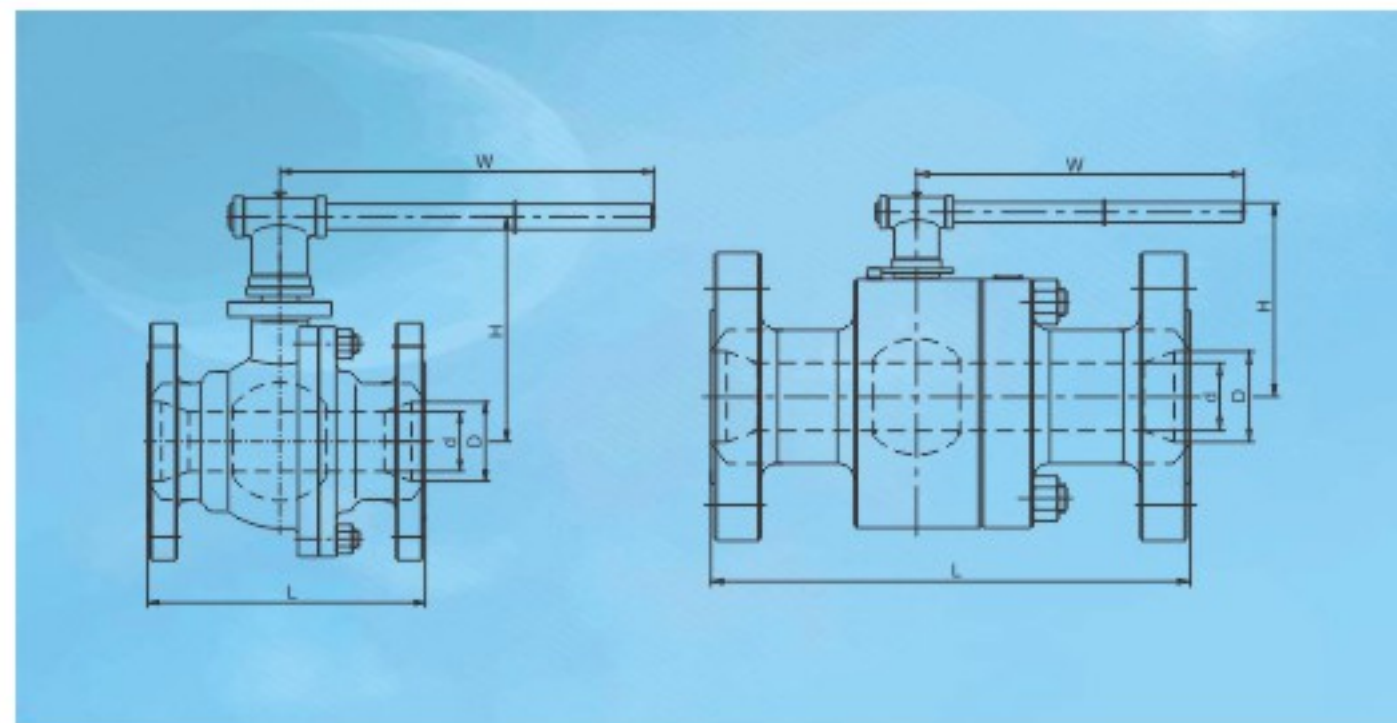


主要外形及连接尺寸
Form Main Types and Connecting Dimension

磅级 Class		CLASS 150全通径 CLASS 150 Full bore						CLASS 300全通径 CLASS 300 Full bore					
NPS公称通径	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)
1/2"	13	108	108	140	81	150	2.8	140	151	140	81	150	3
3/4"	19	117	117	152	85	150	3.7	152	165	152	85	150	4
1"	25	127	140	165	98	180	5.3	165	178	165	98	180	6.6
1 1/2"	38	165	178	190	133	280	8.3	190	203	190	133	280	12.9
2"	49	178	191	216	141	280	15	216	232	216	141	280	21.4
2 1/2"	62	191	203	241	139	400	22.5	241	257	241	139	400	32.5
3"	74	203	216	283	150	400	27	283	298	283	150	400	45
4"	100	229	241	305	223	650	44.2	305	321	305	223	650	64.8
6"	150	394	406	457	297	*280	127.6	403	419	403	297	*300	147.5
8"	201	457	470	521	378	*280	221.8	502	518	521	378	*300	287.5
10"	252	533	546	559	408	*400	430	568	584	559	408	*400	550
12"	303	610	622	635	430	*400	680						

主要外形及连接尺寸
Form Main Types and Connecting Dimension

磅级 Class		CLASS 400全通径 CLASS 400 Full bore						CLASS 600全通径 CLASS 600 Full bore					
NPS公称通径	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)
1/2"	13	165	167	165	66	150	3.5	165	167	165	66	150	3.5
3/4"	19	190	190	190	88	170	5	190	190	190	88	170	5
1"	25	216	216	216	90	250	7.5	216	216	216	90	250	7.5
1 1/2"	38	241	241	241	120	400	15	241	241	241	120	400	15
2"	49	292	295	292	135	400	29.4	292	295	292	135	400	29.4
2 1/2"	62	330	333	330	150	400	39.3	330	333	330	150	400	39.3
3"	74	356	359	356	164	400	58.2	356	359	356	164	400	58.2
4"	100	406	410	406	224	995	81.2	432	435	432	224	995	81.2

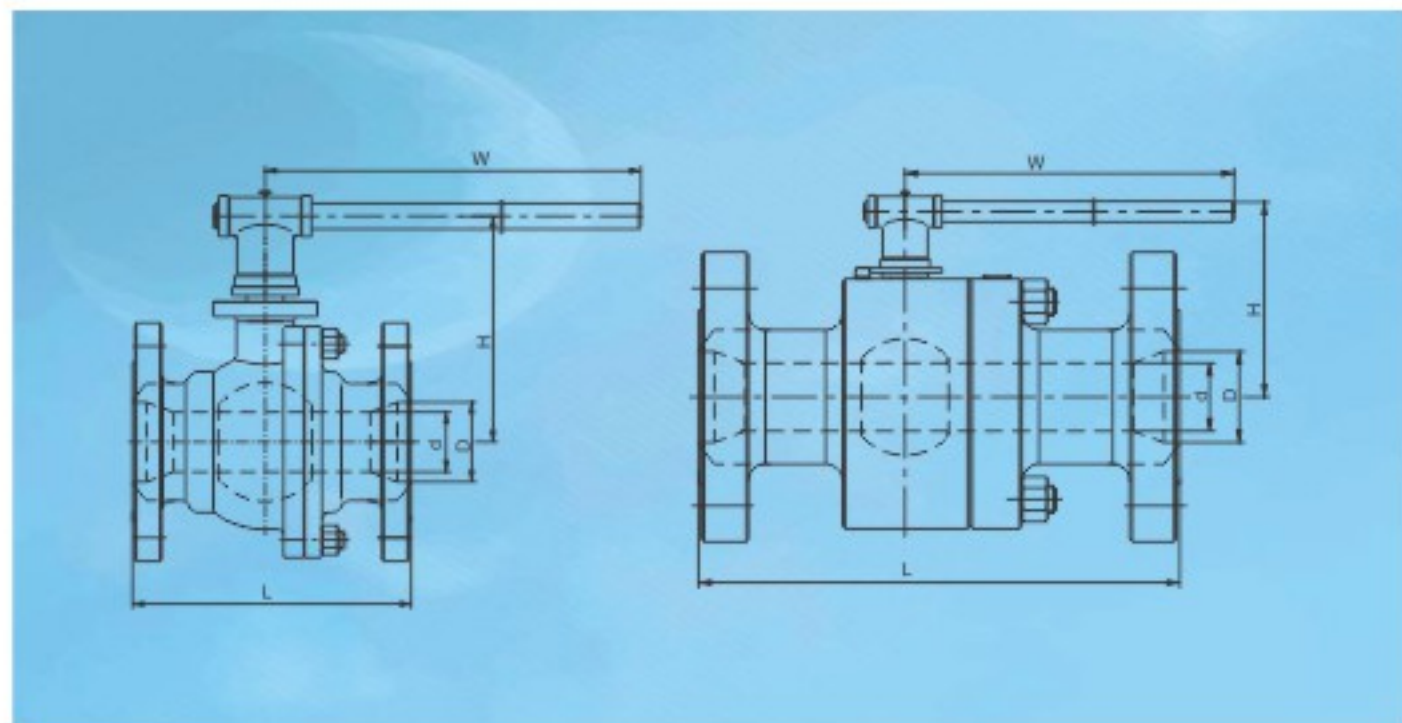


主要外形及连接尺寸
Form Main Types and Connecting Dimension

磅级 Class		CLASS 900全通径 CLASS 900 Full bore						CLASS 1500全通径 CLASS 1500 Full bore					
NPS公称通径	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)
1/2"	13	216	216	216	75	140	5	216	216	216	75	140	5
3/4"	19	229	229	229	91	180	8	229	229	229	91	180	8
1"	25	254	254	254	108	250	10	254	254	254	108	250	10
1 1/2"	38	305	305	305	133	400	20	305	305	305	133	400	20
2"	49	368	371	368	150	500	30	368	371	368	150	500	30
2 1/2"	62	419	422	419	155	500	42	419	422	419	155	500	42
3"	74	381	384	381	160	500	55	368	371	368	160	500	65
4"	100												

主要外形及连接尺寸
Form Main Types and Connecting Dimension

磅级 Class	CLASS 2500全通径 CLASS 2500 Full bore						
NPS公称通径	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)
1/2"	13	264	264	264	88	230	7.5
3/4"	19	273	273	273	117	230	12
1"	25	308	308	308	128	300	15
1 1/2"	38	384	387	384	148	400	30
2"	42	451	454	451	183	500	37.5

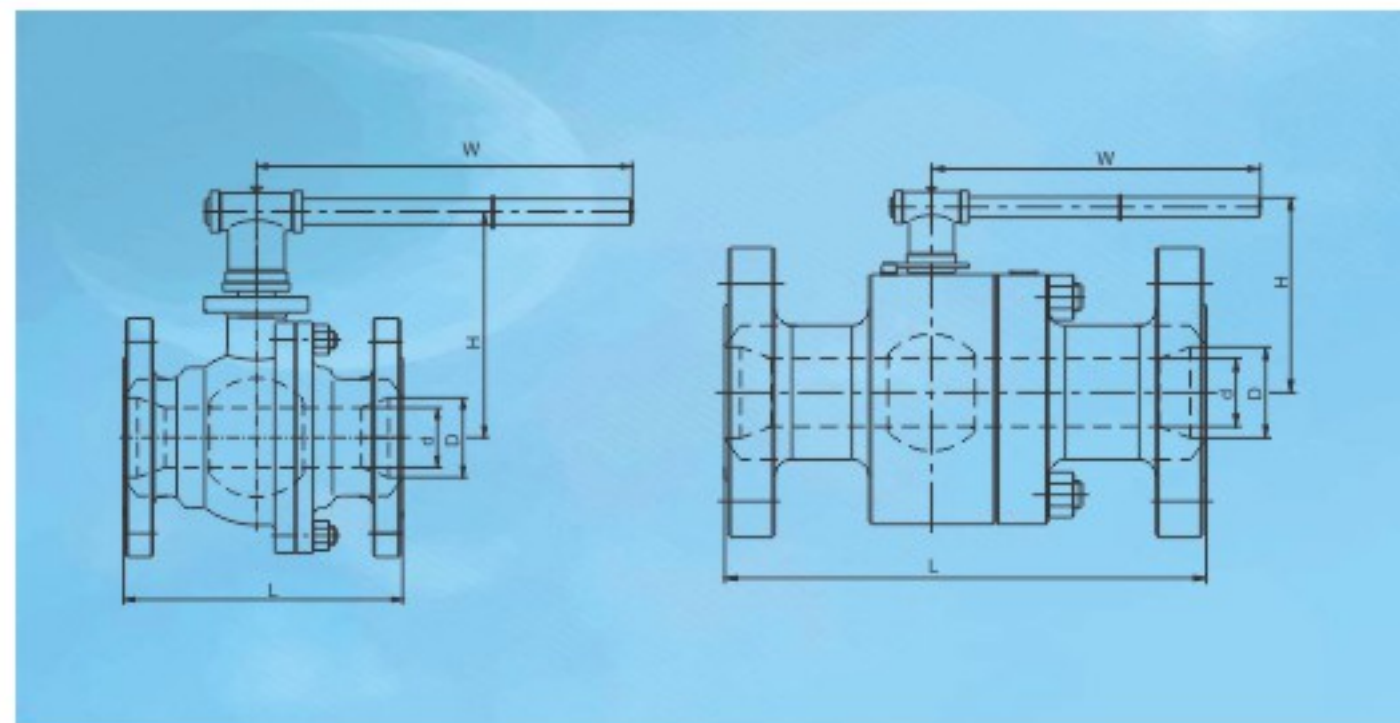


主要外形及连接尺寸
Form Main Types and Connecting Dimension

Class 等级		CLASS 150 缩径 CLASS 150 Reduced bore							CLASS 300 缩径 CLASS 300 Reduced bore						
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	
3/4"x1/2"	19	13	117	117	152	81	150	3.5	152	165	152	81	150	3.7	
1"x3/4"	25	19	127	140	165	85	150	5	165	178	165	85	150	5.8	
1 1/2"x1"	38	32	165	178	190	98	180	7.5	190	203	190	98	180	10.5	
2"x1 1/2"	49	38	178	191	216	133	280	10	216	232	216	133	280	16.1	
2 1/2"x2"	62	49	191	203	241	141	280	16	241	257	241	141	280	24.5	
3"x2"	74	49	203	216	283	141	280	21	283	298	283	141	280	34.7	
3"x2 1/2"	74	62	203	216	283	139	400	28	283	298	283	139	400	44	
4"x3"	100	74	229	241	305	150	400	35	305	321	305	150	400	53	
6"x4"	150	100	394	406	457	223	650	73	403	419	403	223	650	100	
8"x6"	201	150	457	470	521	297	*280	120	502	518	521	297	*300	170	
10"x8"	252	201	533	546	559	378	*280	200	502	518	521	378	*300	250	
12"x10"	303	252	610	622	635	408	*400	470	568	584	559	408	*400		
14"x12"	334	303	686	699	762	430	*400	500							

主要外形及连接尺寸
Form Main Types and Connecting Dimension

Class 等级		CLASS 400 缩径 CLASS 400 Reduced bore							CLASS 600 缩径 CLASS 600 Reduced bore						
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	
3/4"x1/2"	19	13	190	190	190	66	150	4	165	167	165	66	150	4	
1"x3/4"	25	19	216	216	216	88	170	5.5	190	190	190	88	170	5.5	
1 1/2"x1"	38	32	241	241	241	90	250	10.5	216	216	216	90	250	10.5	
2"x1 1/2"	49	38	292	295	292	120	400	20	241	241	241	120	400	20	
2 1/2"x2"	62	49	330	333	330	135	400	25	330	333	330	135	400	25	
3"x2"	74	49	356	359	356	135	400	29	356	359	356	135	400	29	
3"x2 1/2"	74	62	356	359	356	150	400	42	356	359	356	150	400	42	
4"x3"	100	74	406	410	406	164	400	59	432	435	432	164	400	59	
6"x4"	150	100	495	498	495	224	995	95	432	435	432	224	995	95	

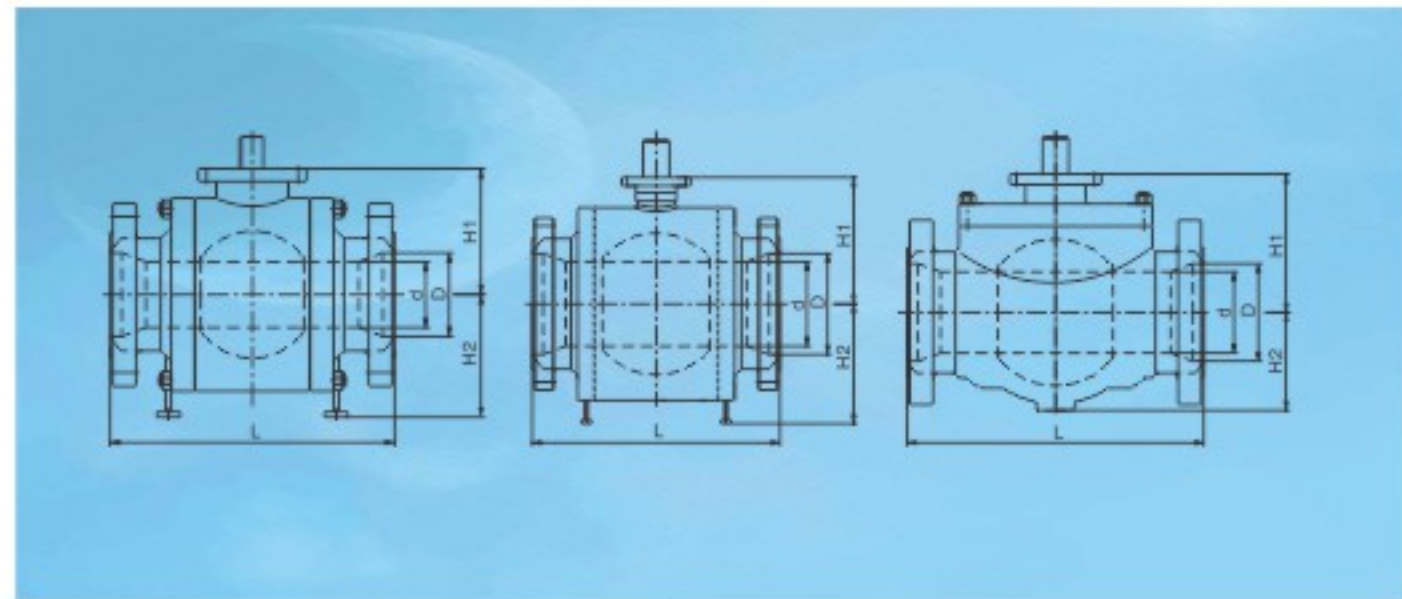


主要外形及连接尺寸
Form Main Types and Connecting Dimension

Class 等级		CLASS 900 缩径 CLASS 900 Reduced bore							CLASS 1500 缩径 CLASS 1500 Reduced bore						
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)	
3/4"x1/2"	19	13	229	229	229	75	140	7	229	229	229	75	140	7	
1"x3/4"	25	19	254	254	254	91	180	9.5	254	254	254	91	180	9.5	
1 1/2"x1"	38	32	305	305	305	108	250	16.5	305	305	305	108	250	16.5	
2"x1 1/2"	49	38	368	371	368	133	400	23	368	371	368	133	400	23	
2 1/2"x2"	62	49	419	422	419	150	500	32	419	422	419	150	500	42	
3"x2"	74	49	381	384	381	150	500	42	368	371	368	150	500	60	
3"x2 1/2"	74	62	381	384	381	155	500	53	368	371	368	155	500	65	
4"x3"	100	74	457	460	457	160	500	65	470	473	470	160	500	78	
6"x4"	150	100													

主要外形及连接尺寸
Form Main Types and Connecting Dimension

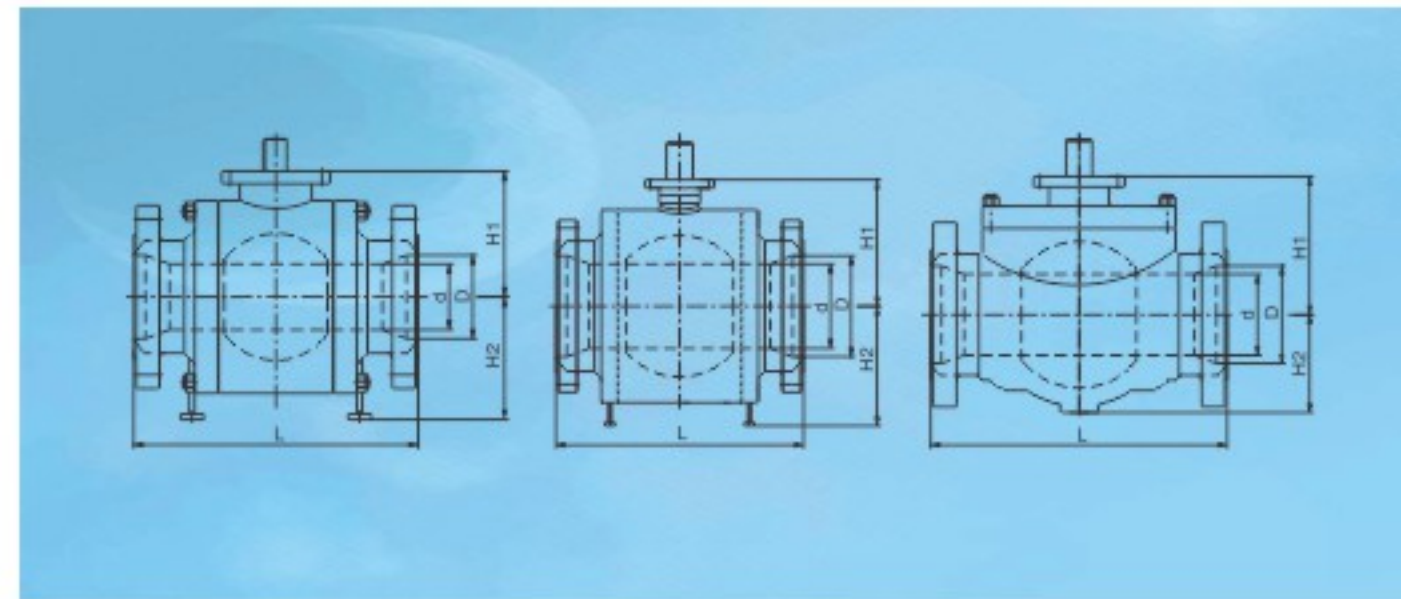
Class 等级		CLASS 2500 缩径 CLASS 2500 Reduced bore						
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H	W	重量WT(Kg)
3/4"x1/2"	19	13	273	273	273	88	230	11
1"x3/4"	25	19	308	308	308	117	230	14
1 1/2"x1"	38	25	384	387	384	128	300	25
2"x1 1/2"	42	38	451	454	451	148	400	35
3"x2"	62	52	578	584	578	183	500	60



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 150 全通径
ASME Class 150 Full Bore

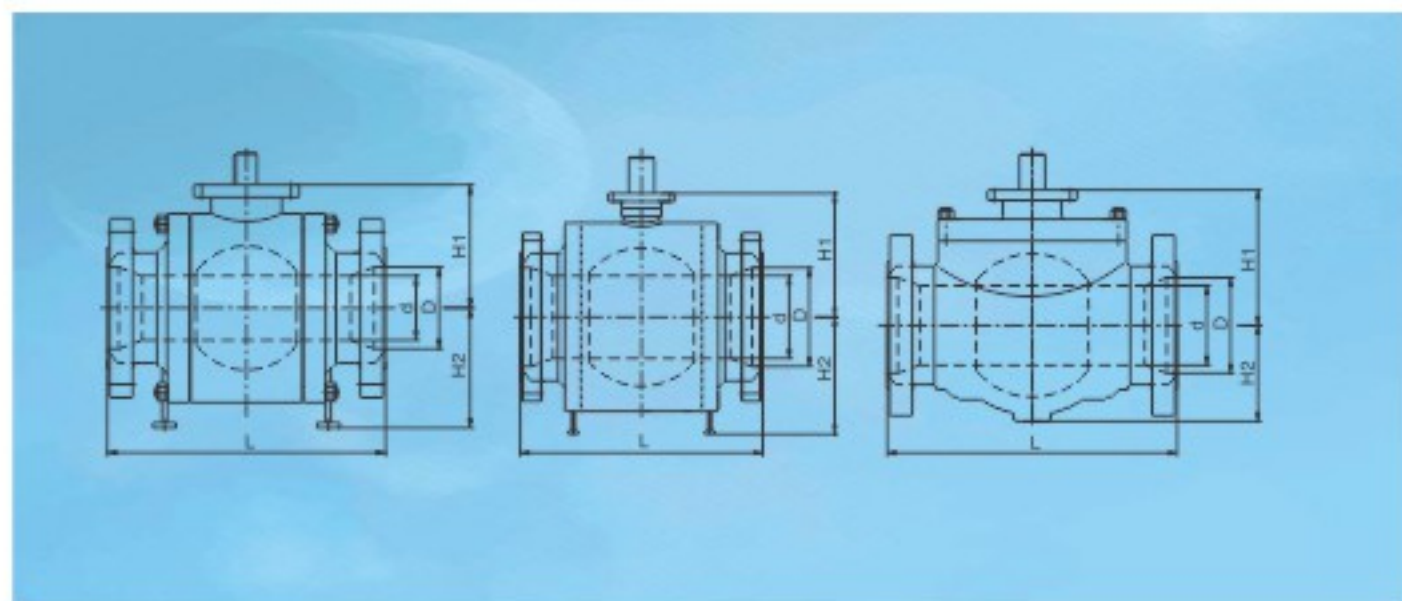
球阀类型 Valve type		分体式球阀 Side entry						全焊接球阀 Fully welded						顶装式球阀 Top entry					
NPS 公称通径	D	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"	49	178	191	216	106	102	16	178	191	216	106	102	14.5	292	295	292	207	85	30
2 1/2"	62	191	203	241	155	105	20	191	203	241	155	105	18	330	330	330	211	95	40
3"	74	203	216	283	157	111	39	203	216	283	157	111	35.5	356	359	356	223	114	57
4"	100	229	241	305	198	187	55	229	241	305	198	187	50	432	435	432	280	140	100
6"	150	394	406	457	242	235	169	394	406	457	242	235	135	559	562	559	275	219	215
8"	201	457	470	521	288	280	244	457	470	521	288	280	283	660	664	660	321	265	407
10"	252	533	546	559	323	320	439	533	546	559	323	320	430	787	791	787	355	315	560
12"	303	610	622	635	375	355	688	610	622	635	375	355	558	838	841	838	470	405	710
14"	334	686	699	762	430	400	886	686	699	762	430	400	793	889	892	889	455	432	760
16"	385	762	775	838	448	470	1215	762	775	838	448	470	1134	991	994	991	460	451	1100
18"	436	864	876	914	477	510	1625	864	876	914	477	510	1468	1092	1095	1092	503	472	1512
20"	487	914	927	991	520	550	1850	914	927	991	520	550	1946	1194	1200	1194	560	560	1930
22"	538	991	1003	1092	528	477	2359	991	1003	1092	528	477	2123	1295	1305	1295	565	591	2750
24"	589	1067	1080	1143	640	640	3120	1067	1080	1143	640	640	3200	1397	1407	1397	610	600	3200
26"	633	1143	1270	1245	675	700	4120	1143	1270	1245	675	700	3813	1448	1461	1448	670	632	3800
28"	684	1245	1376	1346	728	720	5200	1245	1376	1346	728	720	4505	1549	1562	1549	730	710	4600
30"	735	1295	1423	1397	749	780	5946	1295	1423	1397	749	780	4707	1651	1664	1651	800	790	5630
32"	779	1372	1555	1524	803	760	7020	1372	1555	1524	803	760	6287	1778	1794	1778	846	830	7085
34"	830	1473	1655	1626	850	900	7800	1473	1655	1626	850	900	7020	1930	1946	1930	870	880	7800
36"	874	1524	1758	1727	895	930	10300	1524	1758	1727	895	930	9450	2083	2099	2083	935	933	9100
40"	976	1753		1780	965	948	13350	1753		1780	965	948	11450	2337	2337	2337	1012	1030	12790
42"	1020	1790		1840	965	948	14280	1790		1840	965	948	12852	2437	2437	2437	1070	1065	15100
48"	1166	1995		2100	1097	1066	24210	1995		2100	1097	1066	24000	2540	2540	2540	1190	1230	22600
56"	1360	2300		2250	1302	1253	34100	2300		2250	1302	1253	30690						
60"	1458	2489		2489	1418	1380	38500	2489		2489	1418	1380	42300						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 150 缩径
ASME Class 150 Reduced Bore

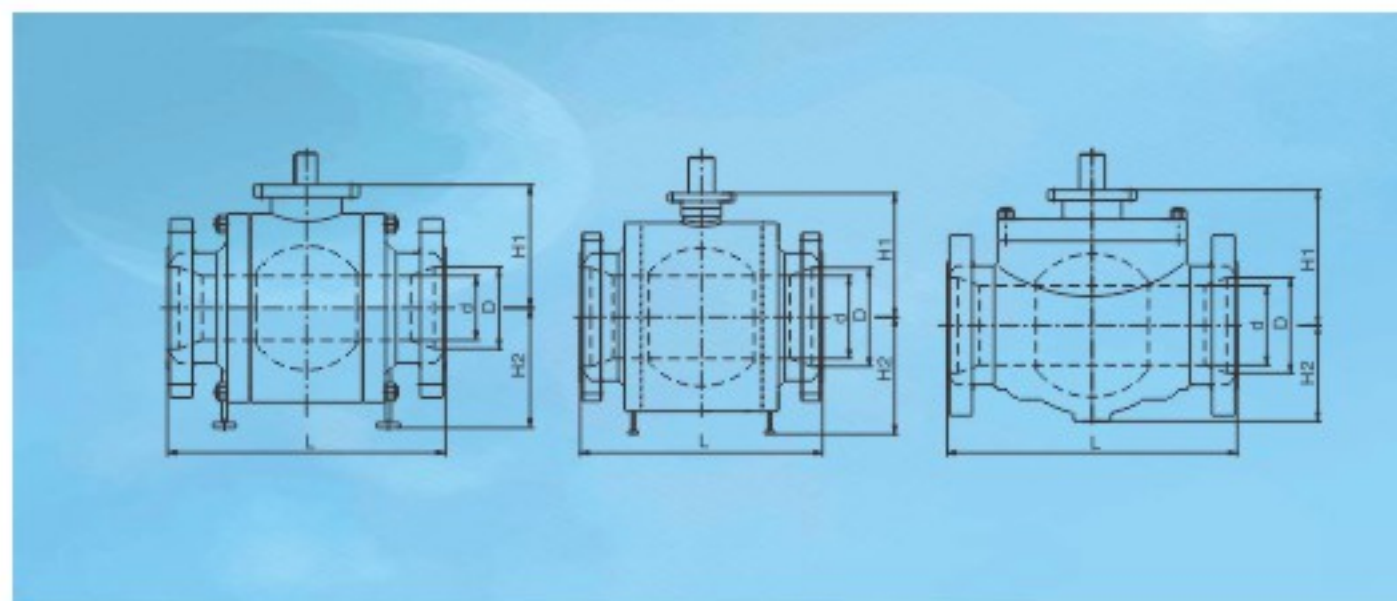
球阀类型 Valve type			分体式球阀 Side entry						全焊接球阀 Fully welded						顶装式球阀 Top entry					
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量W (kg)
2"x1½"	49	38	178	191	216	106	102	16	178	191	216	106	102	14.5	292	295	292	207	85	25
2½"x2"	62	49	191	203	241	106	102	20	191	203	241	106	102	18	330	330	330	210	87	32
3"x2"	74	49	203	216	283	106	102	21	203	216	283	106	102	19	356	359	356	210	87	34
3"x2½"	74	62	203	216	283	130	110	22	203	216	283	130	110	20	356	359	356	215	95	50
4"x3"	100	74	229	241	305	157	111	45	229	241	305	157	111	41	432	435	432	225	110	70
6"x4"	150	100	394	406	457	198	187	68	394	406	457	198	187	61.5	559	562	559	270	143	130
8"x6"	201	150	457	470	521	242	235	186	457	470	521	242	235	151	660	664	660	275	215	250
10"x8"	252	201	533	546	559	288	280	266	533	546	559	288	280	294	787	791	787	320	262	455
12"x10"	303	252	610	622	635	323	320	478	610	622	635	323	320	440	838	841	838	355	310	485
14"x10"	334	252	686	699	762	323	320	507	686	699	762	323	320	513	889	892	889	355	310	665
14"x12"	334	303	686	699	762	375	355	724	686	699	762	375	355	588	889	892	889	475	395	790
16"x12"	385	303	762	775	838	375	355	767	762	775	838	375	355	643	991	994	991	475	395	940
16"x14"	385	334	762	775	838	430	400	935	762	775	838	430	400	838	991	994	991	450	430	908
18"x16"	436	385	864	876	914	448	470	1265	864	876	914	448	470	1162	1092	1095	1092	460	450	1248
20"x16"	487	385	914	927	991	448	470	1310	914	927	991	448	470	1235	1194	1200	1194	460	450	1542
20"x18"	487	436	914	927	991	477	510	1670	914	927	991	477	510	1521	1194	1200	1194	495	470	1740
24"x20"	589	487	1067	1080	1143	520	550	1970	1067	1080	1143	520	550	2120	1397	1407	1397	550	580	2378
30"x24"	735	589	1295	1423	1397	640	640	3420	1295	1423	1397	640	640	3695	1651	1664	1651	590	592	4008
36"x30"	874	735	1524	1758	1727	749	780	6376	1524	1758	1727	749	780	5554	2083	2099	2083	795	765	7048
40"x36"	976	874	1753		1780	895	930	10700	1753		1780	895	930	9622						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 300 全通径
ASME Class 300 Full Bore

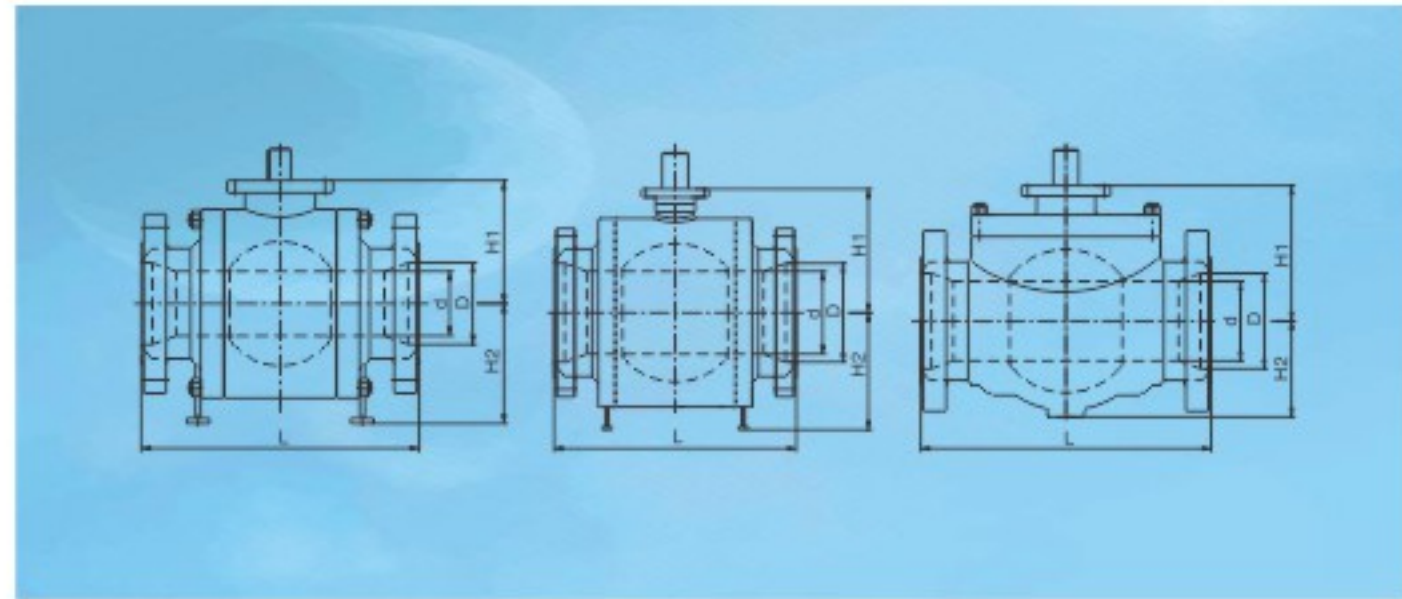
球阀类型 Valve type		分体式球阀 Side entry						全焊接球阀 Fully welded						顶装式球阀 Top entry					
NPS 公称通径	D	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"	49	216	232	216	100	85	21	216	232	216	100	85	19	292	295	292	211	90	36
2 1/2"	62	241	257	241	125	100	25	241	257	241	125	100	22.5	330	330	330	218	105	50
3"	74	283	298	283	158	121	50	283	298	283	158	121	45	356	359	356	226	119	63
4"	100	305	321	305	191	142	87	305	321	305	191	142	78.5	432	435	432	286	145	106
6"	150	403	419	403	242	235	192	403	419	403	242	235	140	559	562	559	282	224	221
8"	201	502	518	521	288	280	333	502	518	521	288	280	308	660	664	660	325	270	412
10"	252	568	584	559	337	320	559	568	584	559	337	320	469	787	791	787	360	320	566
12"	303	648	664	635	375	355	728	648	664	635	375	355	590	838	841	838	475	410	715
14"	334	762	778	762	407	400	985	762	778	762	407	400	845	889	892	889	460	437	766
16"	385	838	854	838	473	460	1390	838	854	838	473	460	1180	991	994	991	465	456	1106
18"	436	914	930	914	485	510	1810	914	930	914	485	510	1600	1092	1095	1092	508	477	1519
20"	487	991	1010	991	540	555	2350	991	1010	991	540	555	2112	1194	1200	1194	565	565	1936
22"	538	1092	1114	1092	560	575	2788	1092	1114	1092	560	575	2509	1295	1305	1295	572	596	2756
24"	589	1143	1165	1143	673	635	3715	1143	1165	1143	673	635	3300	1397	1407	1397	617	605	3208
26"	633	1245	1270	1245	677	700	4780	1245	1270	1245	677	700	4286	1448	1461	1448	678	637	3808
28"	684	1346	1372	1346	762	720	5600	1346	1372	1346	762	720	4920	1549	1562	1549	738	715	4607
30"	735	1397	1422	1397	772	800	6530	1397	1422	1397	772	800	5940	1651	1664	1651	811	795	5638
32"	779	1524	1553	1524	815	848	7820	1524	1553	1524	815	848	7050	1778	1794	1778	850	835	7092
34"	830	1626	1654	1626	820	8860	9040	1626	1654	1626	820	8860	8136	1930	1946	1930	877	885	7811
36"	874	1727	1756	1727	918	950	12010	1727	1756	1727	918	950	10205	2083	2099	2083	942	938	9112
40"	976	1850		1780	987	980	15000	1850		1780	987	980	12546	2337	2337	2337	1020	1036	12798
42"	1020	1900		1840	1012	1020	16105	1900		1840	1012	1020	17550	2437	2437	2437	1081	1070	15113
48"	1166	2180		2100	1208	1200	25300	2180		2100	1208	1200	22540	2540	2540	2540	1201	1236	22614
56"	1360	2300		2250	1285	1270	38155	2300		2250	1285	1270	34340						
60"	1458	2743		2743	1380	1440	46600	2743		2743	1380	1440	44910						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 300 缩径
ASME Class 300 Reduced Bore

球阀类型 Valve type			分体式球阀 Side entry						全焊球阀 Fully welded						顶装式球阀 Top entry					
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"x1 1/2"	49	38	216	232	216	100	85	20	216	232	216	100	85	18	292	295	292	206	80	26
2 1/2"x2"	62	49	241	257	241	100	85	26	241	257	241	100	85	23.5	330	330	330	211	90	40
3"x2"	74	49	283	298	283	125	100	28	283	298	283	125	100	25	356	359	356	211	90	42
3"x2 1/2"	74	62	283	298	283	125	100	30.5	283	298	283	125	100	27.5	356	359	356	218	105	60
4"x3"	100	74	305	321	305	158	121	58	305	321	305	158	121	53	432	435	432	226	119	82
6"x4"	150	100	403	419	403	191	142	106	403	419	403	191	142	96	559	562	559	286	145	161
8"x6"	201	150	502	518	521	242	235	218	502	518	521	242	235	170	660	664	660	282	224	285
10"x8"	252	201	568	584	559	288	280	370	568	584	559	288	280	322	787	791	787	325	270	536
12"x10"	303	252	648	664	635	337	320	610	648	664	635	337	320	485	838	841	838	360	320	572
14"x10"	334	252	762	778	762	337	320	685	762	778	762	337	320	552	889	892	889	360	320	781
14"x12"	334	303	762	778	762	375	355	807	762	778	762	375	355	620	889	892	889	475	410	916
16"x12"	385	303	838	854	838	375	355	862	838	854	838	375	355	672	991	994	991	475	410	1092
16"x14"	385	334	838	854	838	407	400	1045	838	854	838	407	400	890	991	994	991	460	437	1095
18"x16"	436	385	914	930	914	473	460	1460	914	930	914	473	460	1208	1092	1095	1092	465	456	1462
20"x16"	487	385	991	1010	991	473	460	1545	991	1010	991	473	460	1292	1194	1200	1194	465	456	1809
20"x18"	487	436	991	1010	991	485	510	1900	991	1010	991	485	510	1657	1194	1200	1194	508	477	2023
24"x20"	589	487	1143	1165	1143	540	555	2550	1143	1165	1143	540	555	2335	1397	1407	1397	565	565	2774
30"x24"	735	589	1397	1422	1397	673	635	4210	1397	1422	1397	673	635	3900	1651	1664	1651	617	605	4665
36"x30"	874	735	1727	1756	1727	772	800	7250	1727		1727	772	800	6948	2083	2099	2083	811	795	8298
40"x36"	976	874	1850		1780	918	950	12000	1850		1780	918	950	10376						

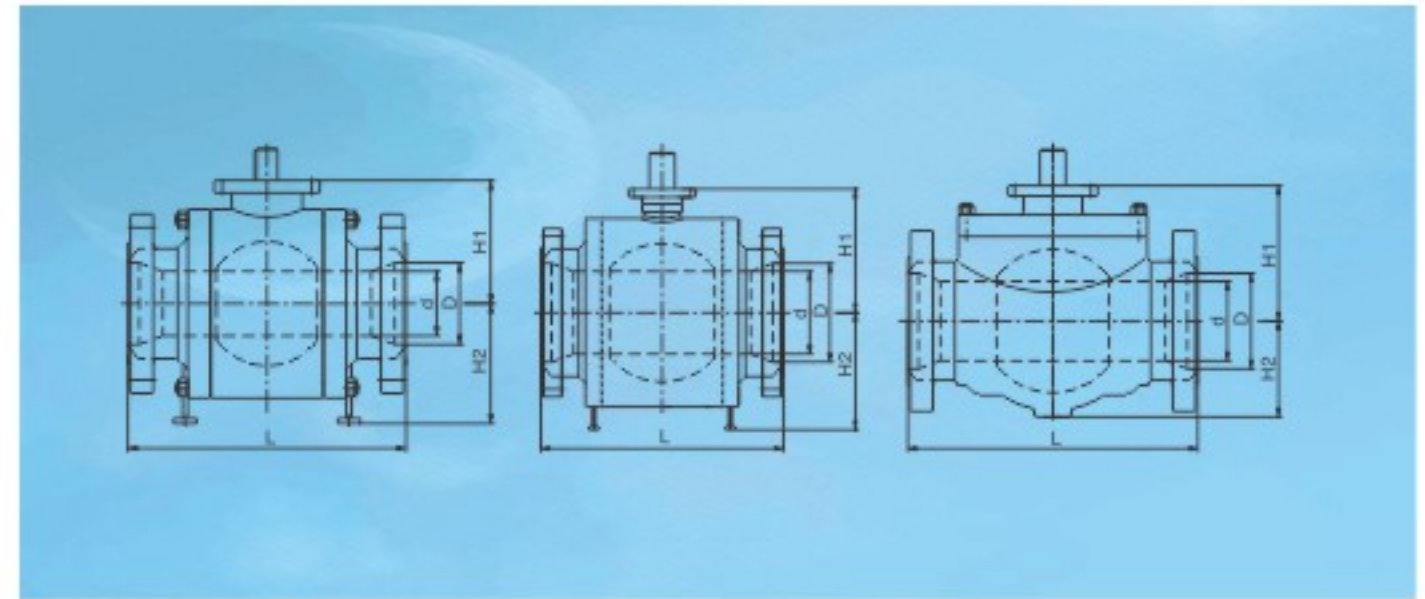


主要外形及连接尺寸

Form Main Types and Connecting Dimension

ASME Class 400 全通径
ASME Class 400 Full Bore

球阀类型 Valve type		分体式球阀 Side entry							全焊接球阀 Fully welded							顶装式球阀 Top entry						
NPS 公称通径	D	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)			
2"	49	292	295	292	102	98	36	292	295	292	12	98	32.5	292	295	292	240	85	41			
2 1/2"	62	330	333	330	130	110	51	330	333	330	130	110	46	330	330	330	270	95	52			
3"	74	356	359	356	165	128	72	356	359	356	165	128	65	356	359	356	305	116	67			
4"	100	406	410	406	210	160	102	406	410	406	210	160	92	432	435	432	275	140	230			
6"	150	495	498	495	242	235	230	495	498	495	242	235	180	559	562	559	296	180	420			
8"	201	597	600	597	289	280	420	597	600	597	289	280	322	660	664	660	324	275	417			
10"	252	673	676	673	337	320	630	673	676	673	337	320	496	787	791	787	365	325	570			
12"	303	762	765	762	379	365	902	762	765	762	379	365	687	838	841	838	480	415	720			
14"	334	826	829	826	398	395	1121	826	829	826	398	395	890	889	892	889	465	442	770			
16"	385	902	905	902	453	470	1612	902	905	902	453	470	1345	991	994	991	470	461	1112			
18"	436	978	981	978	500	510	2010	978	981	978	500	510	1678	1092	1095	1092	512	482	1523			
20"	487	1054	1060	1054	540	560	2446	1054	1060	1054	540	560	2291	1194	1200	1194	570	570	1940			
22"	538	1143	1153	1143	625	593	3787	1143	1153	1143	625	593	3411	1295	1305	1295	578	602	2760			
24"	589	1232	1241	1232	641	660	4095	1232	1241	1232	641	660	3792	1397	1407	1397	622	610	3213			
26"	633	1308	1321	1308	681	700	5020	1308	1321	1308	681	700	4500	1448	1461	1448	682	640	3813			
28"	684	1397	1410	1397	738	760	6200	1397	1410	1397	738	760	5170	1549	1562	1549	742	722	4612			
30"	735	1524	1537	1524	781	800	7370	1524	1537	1524	781	800	7542	1651	1664	1651	817	804	5640			
32"	779	1651	1667	1651	819	850	9890	1651	1667	1651	819	850	8008	1778	1794	1778	855	840	7103			
34"	830	1778	1794	1778	840	850	11336	1778	1794	1778	840	850	10202	1930	1946	1930	893	890	7822			
36"	874	1880	1895	1880	920	880	13250	1880	1895	1880	920	880	11005	2083	2099	2083	947	944	9118			
40"	976	2000		1900	987	980	18335	2000		1900	987	980	13540	2337	2337	2337	1025	1041	12805			
42"	1020	2100		1950	1012	1020	21356	2100		1950	1012	1020	19220	2437	2437	2437	1086	1075	15118			
48"	1166	2400		2180	1208	1200	31195	2400		2180	1208	1200	24000	2540	2540	2540	1506	1240	22619			
56"	1360	2710		2385	1290	1450	47483	2710		2385	1290	1450	42735									
60"	1458	2949		2949	1510	1550	61500	2949		2949	1510	1550	47700									

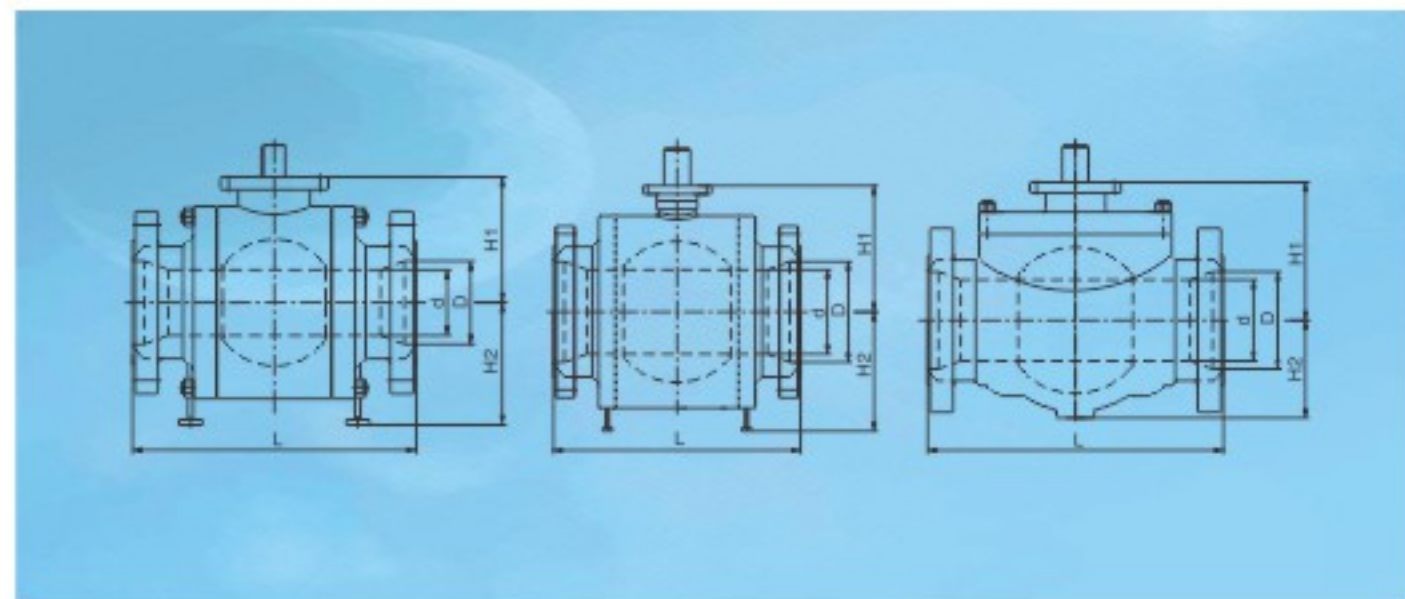


主要外形及连接尺寸

Form Main Types and Connecting Dimension

ASME Class 400 减径
ASME Class 400 Reduced Bore

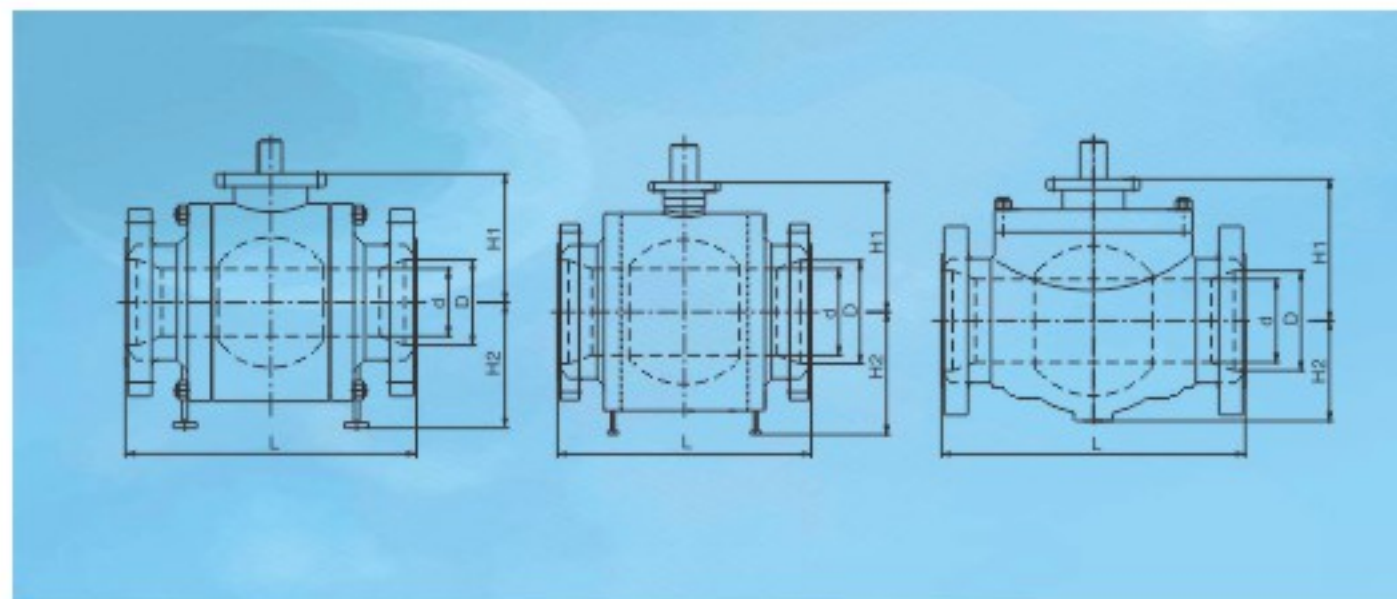
Valve type 球阀类型			Side entry 分体式球阀						Fully welded 全焊接球阀						Top entry 顶装式球阀					
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"x1½"	49	38	292	295	292	102	98	35	292	295	292	102	98	31.5	292	295	292	210	85	34
2½"x2"	62	49	330	333	330	102	98	40	330	333	330	102	98	36	330	330	330	215	95	40
3"x2"	74	49	356	359	356	130	110	50	356	359	356	130	110	45	356	359	356	215	95	46
3"x2½"	74	62	356	359	356	130	110	55	356	359	356	130	110	49.5	356	359	356	223	110	70
4"x3"	100	74	406	410	406	165	128	90	406	410	406	165	128	81	432	435	432	232	124	94
6"x4"	150	100	495	498	495	210	160	138	495	498	495	210	160	118	559	562	559	283	154	280
8"x6"	201	150	597	600	597	242	235	272	597	600	597	242	235	205	660	664	660	287	129	318
10"x8"	252	201	673	676	673	289	280	495	673	676	673	289	280	346	787	791	787	324	275	600
12"x10"	303	252	762	765	762	337	320	678	762	765	762	337	320	511	838	841	838	365	325	719
14"x10"	334	252	826	829	826	337	320	795	826	829	826	337	320	562	889	892	889	365	325	991
14"x12"	334	303	826	829	826	379	365	1025	826	829	826	379	365	705	889	892	889	480	415	1191
16"x12"	385	303	902	905	902	379	365	1160	902	905	902	379	365	751	991	994	991	480	415	1411
16"x14"	385	334	902	905	902	398	395	1260	902	905	902	398	395	937	991	994	991	465	442	1377
18"x16"	436	385	978	981	978	453	470	1705	978	981	978	453	470	1375	1092	1095	1092	470	461	1856
20"x16"	487	385	1054	1060	1054	453	470	1852	1054	1060	1054	453	470	1455	1194	1200	1194	470	461	2896
20"x18"	487	436	1054	1060	1054	500	510	2165	1054	1060	1054	500	510	1740	1194	1200	1194	512	482	2930
24"x20"	589	487	1232	1241	1232	540	560	2785	1232	1241	1232	540	560	2552	1397	1407	1397	570	570	3518
30"x24"	735	589	1524	1537	1524	641	660	4660	1524	1537	1524	641	660	4480	1651	1664	1651	622	610	5968
36"x30"	874	735	1880	1895	1880	781	800	8150	1880		1880	781	800	8673	2083	2099	2083	817	804	10572
40"x36"	976	874	2000		1900	920	880	13260	2000		1900	920	880	11070						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 600 全通径
ASME Class 600 Full Bore

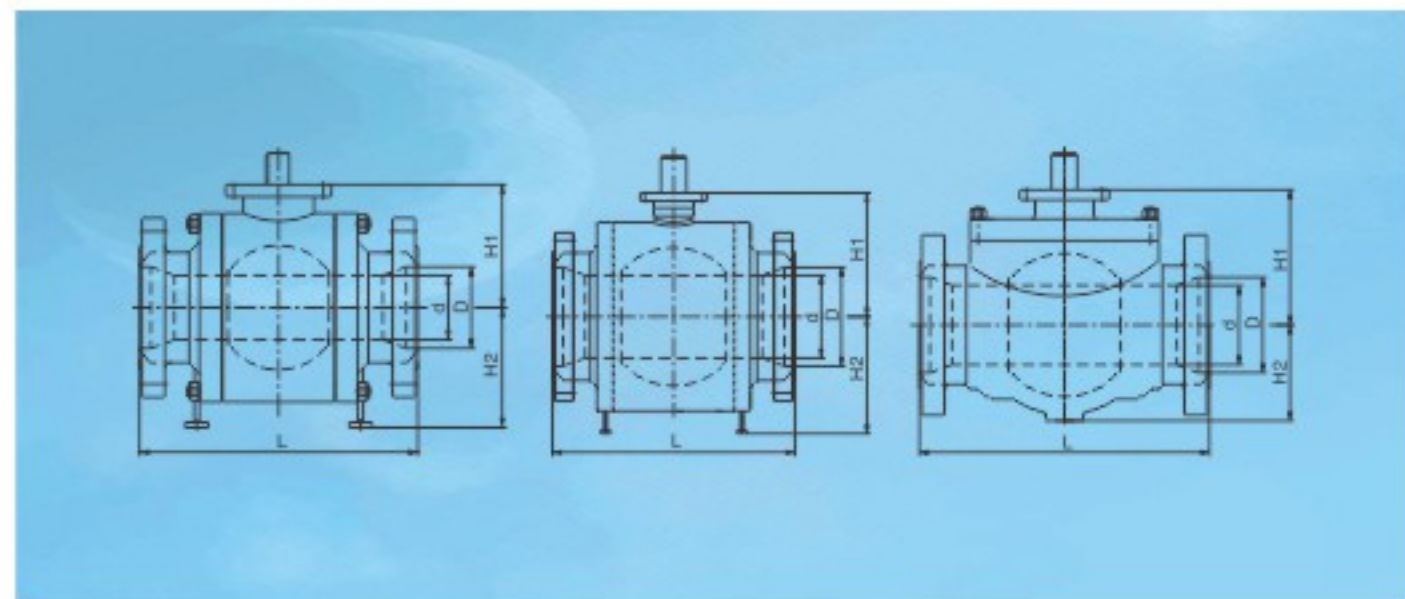
球阀类型 Valve type		分体式球阀 Side entry						全焊球阀 Fully welded						顶装式球阀 Top entry					
NPS 公称通径	D	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"	49	292	295	292	102	98	36	292	295	292	102	98	32.5	292	295	292	240	85	41
2 1/2"	62	330	333	330	130	110	51	330	333	330	130	110	46	330	330	330	270	95	52
3"	74	356	359	356	165	128	72	356	359	356	165	128	65	356	359	356	305	116	67
4"	100	432	435	432	210	160	123	432	435	432	210	160	92	432	435	432	275	140	230
6"	150	559	562	559	248	235	290	559	562	559	248	235	210	559	562	559	296	180	420
8"	201	660	664	660	297	280	456	660	664	660	297	280	332	660	664	660	324	275	417
10"	252	787	791	787	337	320	777	787	791	787	337	320	549	787	791	787	365	325	570
12"	303	838	841	838	379	365	1029	838	841	838	379	365	750	838	841	838	480	415	720
14"	334	889	892	889	398	400	1295	889	892	889	398	400	950	889	892	889	465	442	770
16"	385	991	994	991	447	458	1732	991	994	991	447	458	1510	991	994	991	470	461	1112
18"	436	1092	1095	1092	541	510	2400	1092	1095	1092	541	510	1860	1092	1095	1092	512	482	1523
20"	487	1194	1200	1194	589	560	2820	1194	1200	1194	589	560	2465	1194	1200	1194	570	570	1940
22"	538	1295	1305	1295	642	600	3787	1295	1305	1295	642	600	3411	1295	1305	1295	578	602	2760
24"	589	1397	1407	1397	692	645	4770	1397	1407	1397	692	645	4220	1397	1407	1397	622	610	3213
26"	633	1448	1461	1448	730	690	5785	1448	1461	1448	730	690	4850	1448	1461	1448	682	640	3813
28"	684	1549	1562	1549	794	790	6900	1549	1562	1549	794	790	5560	1549	1562	1549	742	722	4612
30"	735	1651	1664	1651	833	820	8355	1651	1664	1651	833	820	7542	1651	1664	1651	817	804	5640
32"	779	1778	1794	1778	883	860	9890	1778	1794	1778	883	860	8480	1778	1794	1778	855	840	7103
34"	830	1930	1946	1930	930	860	11336	1930	1946	1930	930	860	10202	1930	1946	1930	893	890	7822
36"	874	2083	2099	2083	980	880	16170	2083	2099	2083	980	880	11910	2083	2099	2083	947	944	9118
40"	976	2000		1900	987	980	18335	2000		2000	987	980	14000	2169	2169	2169	1025	1041	12805
42"	1020	2100		1950	1012	1020	21356	2100		2100	1012	1020	19220	2437	2437	2437	1086	1075	15118
48"	1166	2400		2180	1208	1200	31195	2400		2400	1208	1200	24000	2435	2435	2435	1506	1240	22619
56"	1360	2710		2385	1290	1450	47483	2710		2710	1290	1450	42735						
60"	1458	2949		2949	1510	1550	61500	2949		2949	1510	1550	47700						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 600 缩径
ASME Class 600 Reduced Bore

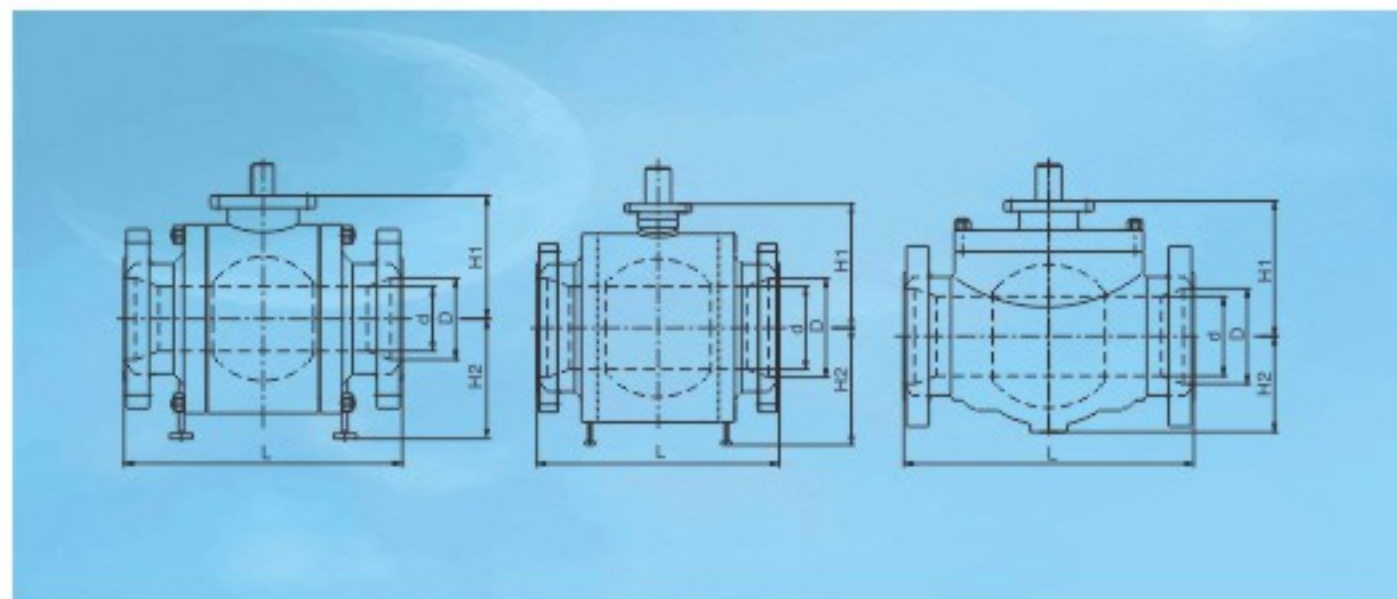
球阀类型 Valve type			Side entry 分体式球阀						Fully welded 全焊球阀						Top entry 顶装式球阀					
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"x1 1/2"	49	38	292	295	292	102	98	35	292	295	292	102	98	31.5	292	295	292	210	85	34
2 1/2"x2"	62	49	330	333	330	102	98	40	330	333	330	102	98	36	330	330	330	215	95	40
3"x2"	74	49	356	359	356	130	110	50	356	359	356	130	110	45	356	359	356	215	95	46
3"x2 1/2"	74	62	356	359	356	130	110	55	356	359	356	130	110	49.5	356	359	356	223	110	70
4"x3"	100	74	432	435	432	165	128	90	432	435	432	165	128	81	432	435	432	232	124	94
6"x4"	150	100	559	562	559	210	160	160	559	562	559	210	160	124	559	562	559	283	154	280
8"x6"	201	150	660	664	660	248	235	332	660	664	660	248	235	235	660	664	660	287	129	318
10"x8"	252	201	787	791	787	297	280	540	787	791	787	297	280	377	787	791	787	324	275	600
12"x10"	303	252	838	841	838	337	320	825	838	841	838	337	320	560	838	841	838	365	325	719
14"x10"	334	252	889	892	889	337	320	942	889	892	889	337	320	595	889	892	889	365	325	991
14"x12"	334	303	889	892	889	379	365	1152	889	892	889	379	365	765	889	892	889	480	415	1191
16"x12"	385	303	991	994	991	379	365	1288	991	994	991	379	365	820	991	994	991	480	415	1411
16"x14"	385	334	991	994	991	398	400	1442	991	994	991	398	400	1018	991	994	991	465	442	1377
18"x16"	436	385	1092	1095	1092	447	458	1838	1092	1095	1092	447	458	1555	1092	1095	1092	470	461	1856
20"x16"	487	385	1194	1200	1194	447	458	2000	1194	1200	1194	447	458	1686	1194	1200	1194	470	461	2896
20"x18"	487	436	1194	1200	1194	541	510	2578	1194	1200	1194	541	510	1966	1194	1200	1194	512	482	2930
24"x20"	589	487	1397	1407	1397	289	560	3215	1397	1407	1397	289	560	2798	1397	1407	1397	570	570	3518
30"x24"	735	589	1651	1664	1651	692	645	5380	1651	1664	1651	692	645	4872	1651	1664	1651	622	610	5968
36"x30"	874	735	2083	2099	2083	789	820	9375	2083		2083	789	820	8942	2083	2099	2083	817	804	10572
40"x36"	976	874	2000		1900	920	880	15950	2000		1900	920	880	11320						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 900 全口径
ASME Class 900 Full Bore

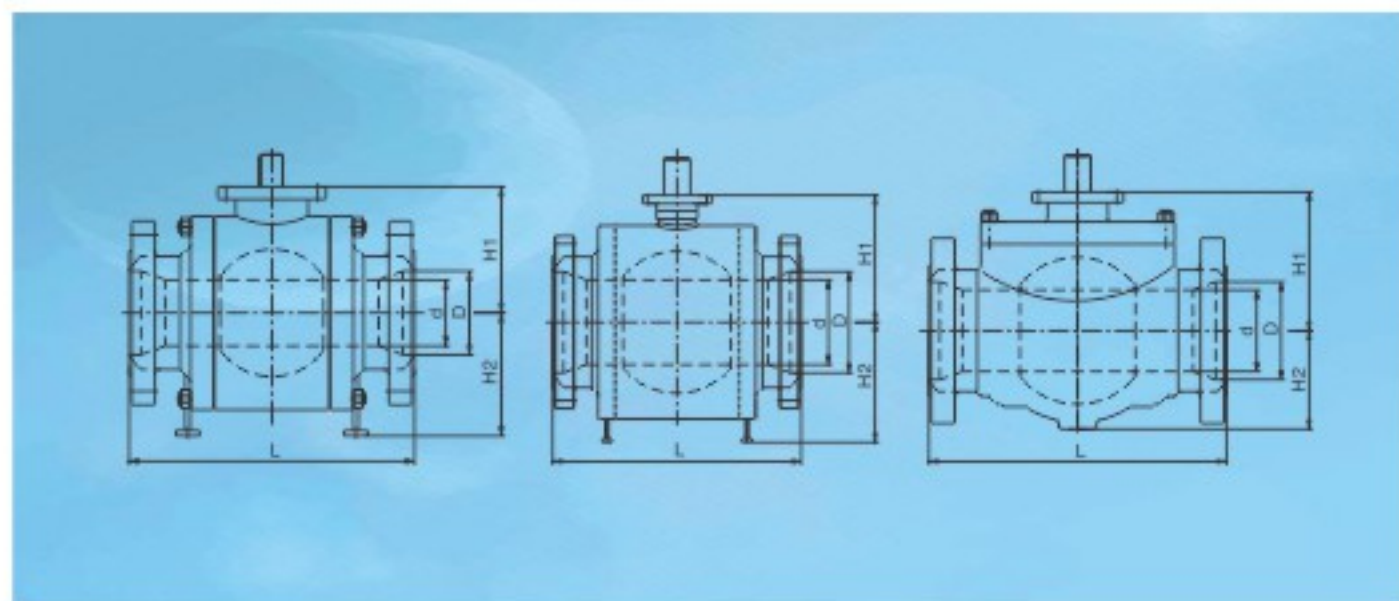
球阀类型 Valve type	分体式球阀 Side entry	全焊接球阀 Fully welded	顶装式球阀 Top entry
公称口径 NPS	D	L-RF L-RTJ L-WE H1 H2 重量 WT(kg)	L-RF L-RTJ L-WE H1 H2 重量 WT(kg)
2"	49	368 371 368 104 103 70	368 371 368 295 110 52
2 1/2"	62	419 422 419 130 115 102	419 422 419 260 115 80
3"	74	381 384 381 163 132 105	381 384 381 230 122 110
4"	100	457 460 457 211 169 183	457 460 457 283 154 200
6"	150	610 613 610 259 213 372	610 613 610 329 203 430
8"	201	737 740 737 297 264 719	737 740 737 375 245 800
10"	252	838 841 838 342 333 1140	838 841 838 431 275 1000
12"	303	965 968 965 384 379 1426	965 968 965 511 322 1300
14"	322	1029 1038 1029 398 368 1758	1029 1038 1029 520 443 1695
16"	373	1130 1140 1130 436 137 2630	1130 1140 1130 582 390 2560
18"	423	1219 1232 1219 484 497 3585	1219 1232 1219 580 487 3400
20"	471	1321 1334 1321 532 503 5190	1321 1334 1321 625 605 4400
22"	522	1435 1448 1435 575 565 5380	1435 1448 1435 682 625 4800
24"	570	1549 1568 1549 617 633 8515	1549 1568 1549 690 625 7200
26"	617	1651 1674 1651 635 660 9200	1651 1674 1651 723 723 10400
28"	665	1753 1775 1753 674 706 11630	1753 1775 1753 820 723 10400
30"	712	1880 1902 1880 723 777 13770	1880 1902 1880 880 800 12875
32"	760	2032 2054 2032 784 809 16600	2032 2054 2032 938 870 15950
34"	808	2159 2188 2159 807 852 17200	2159 2188 2159 982 920 17500
36"	855	2286 2315 2286 848 898 23235	2286 2315 2286 1050 990 20600
40"	956	2180 2210 2100 1160 1000 23260	2180 2210 2100 1160 1000 17930
42"	1006	2250 2280 2180 1200 1080 27600	2250 2280 2180 1200 1080 21258
48"	1149	2450 2480 2380 1262 1195 34800	2450 2480 2380 1262 1195 28000
56"	1360	2949 2400 1416 1404 47483	2949 2400 1416 1404 42735



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 900 缩径
ASME Class 900 Reduced Bore

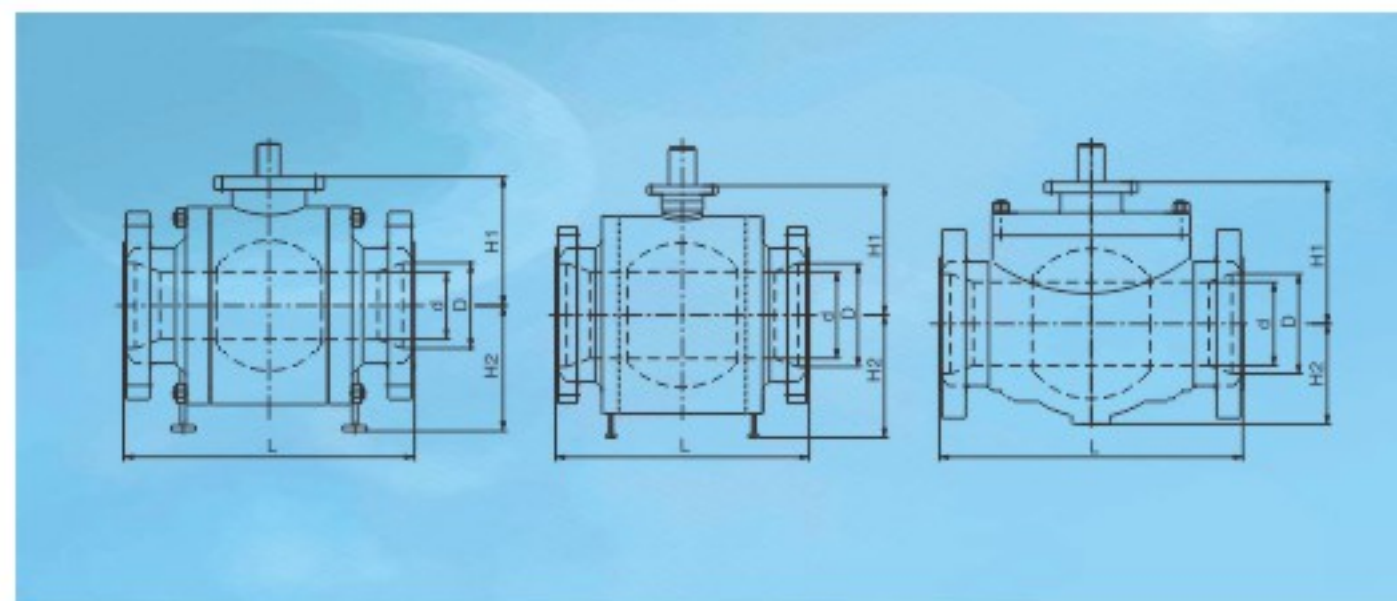
球阀类型 Valve type	分体式球阀 Side entry	全焊接球阀 Fully welded	顶装式球阀 Top entry
公称口径 NPS	D	d	L-RF L-RTJ L-WE H1 H2 重量 WT(kg)
2"x1 1/2"	49	38	368 371 368 104 103 39
2 1/2"x2"	62	49	419 422 419 104 103 47
3"x2"	74	49	381 384 381 130 115 52
3"x2 1/2"	74	62	381 384 381 130 115 55
4"x3"	100	74	457 460 457 163 132 75
6"x4"	150	100	610 613 610 211 169 165
8"x6"	201	150	737 740 737 259 213 270
10"x8"	252	201	838 841 838 297 264 480
12"x10"	303	252	965 968 965 342 333 725
14"x10"	322	252	1029 1038 1029 342 333 792
14"x12"	322	303	1029 1038 1029 384 379 1060
16"x12"	373	303	1130 1140 1130 384 379 1128
16"x14"	373	322	1130 1140 1130 398 368 1386
18"x16"	423	373	1219 1232 1219 436 437 1850
20"x16"	471	373	1321 1334 1321 436 437 2000
20"x18"	471	423	1321 1334 1321 484 497 2581
24"x20"	570	471	1549 1568 1549 532 503 3695
30"x24"	712	570	1880 1902 1880 617 633 6072
36"x30"	855	712	2286 2315 2286 723 777 12522
40"x36"	956	855	2180 2210 2100 848 898 12200



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 1500 全通径
ASME Class 1500 Full Bore

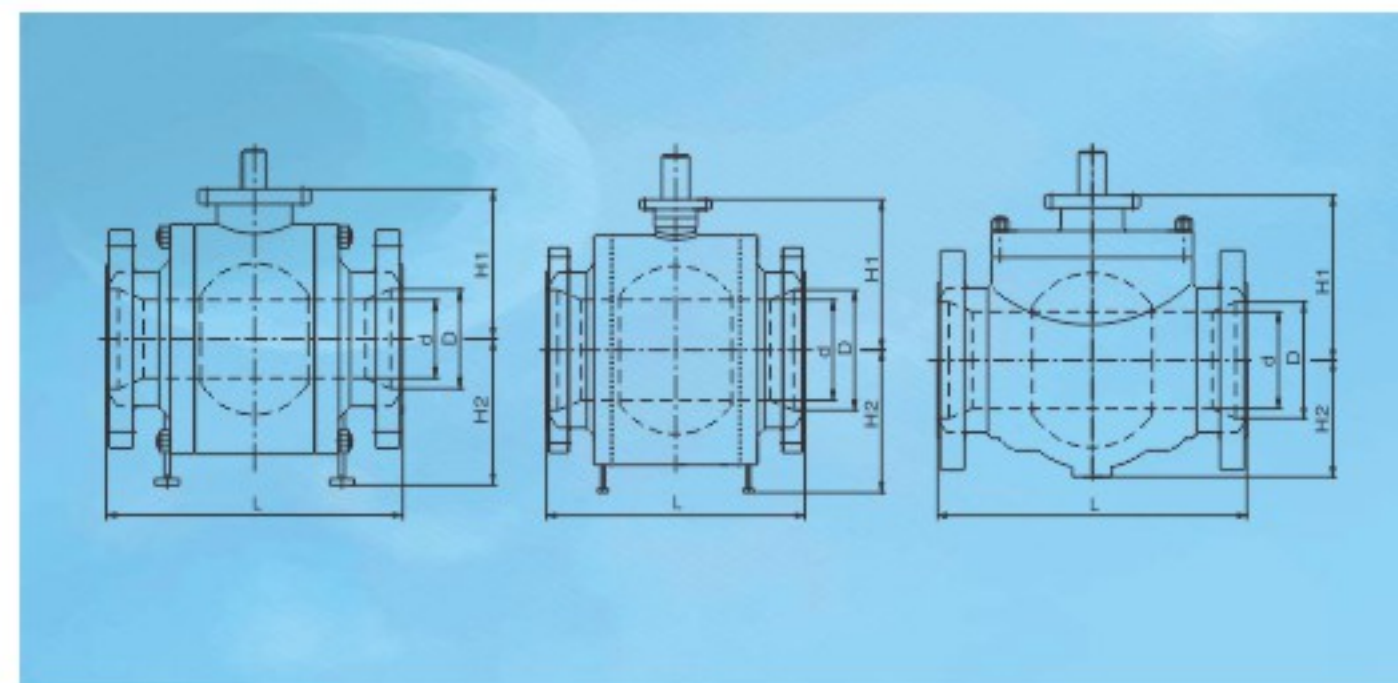
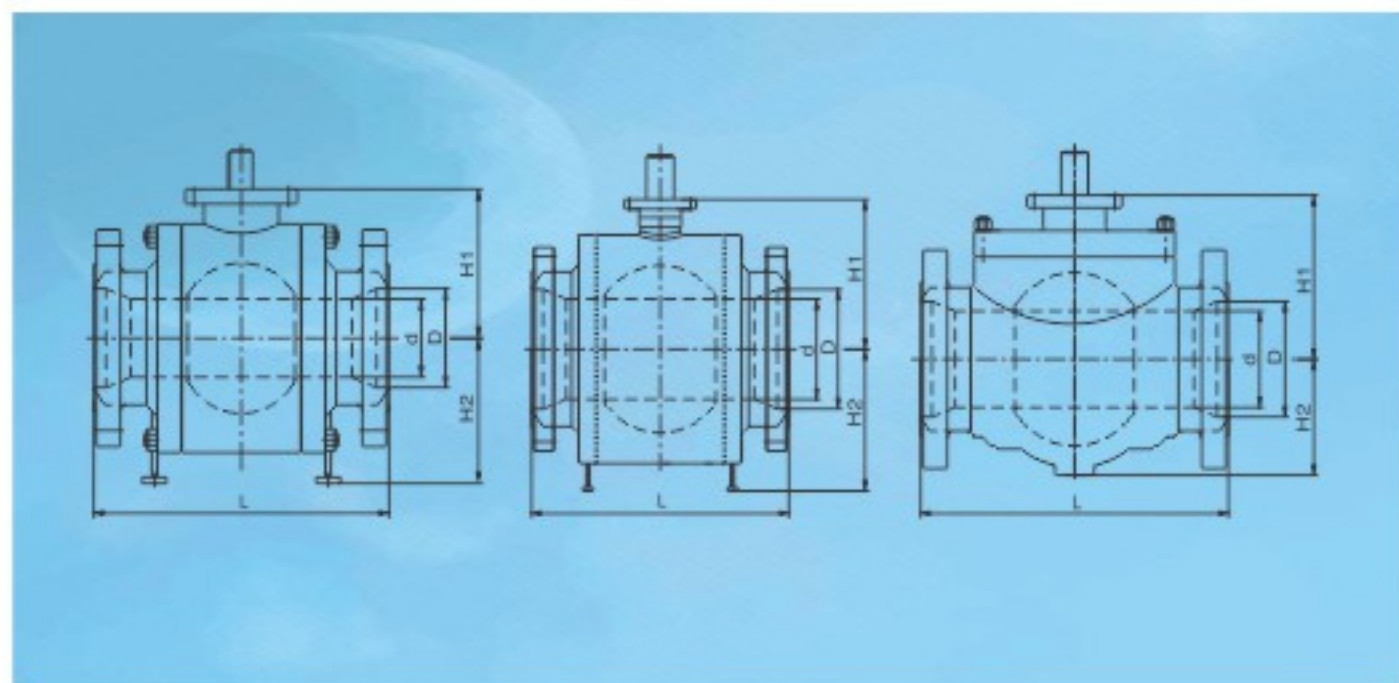
球阀类型 Valve type		分体式球阀 Side entry						全焊接球阀 Fully welded						顶装式球阀Top entry					
公称通径 NPS	D	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)
2"	49	368	371	368	106	104	50	368	371	368	106	104	45	368	371	368	201	100	56
2 1/2"	62	419	422	419	130	115	72	419	422	419	130	115	67	419	422	419	215	110	100
3"	74	470	473	470	167	128	97	470	473	470	167	128	89	470	473	470	230	122	153
4"	100	546	549	546	179	170	198	546	549	546	179	170	179	546	549	546	293	164	278
6"	144	705	711	705	260	233	480	705	711	705	260	233	437	705	711	705	245	416	600
8"	192	832	841	832	304	290	820	832	841	832	304	290	745	832	841	832	465	273	1100
10"	239	991	1000	991	363	352	1500	991	1000	991	363	352	1357	991	1000	991	574	330	1438
12"	287	1130	1146	1130	417	425	2250	1130	1146	1130	417	425	2045	1130	1146	1130	520	427	2017
14"	315	1257	1276	1257	437	426	2850	1257	1276	1257	437	426	2565	1257	1276	1257	550	456	2612
16"	360	1384	1407	1384	475	493	4070	1384	1407	1384	475	493	3708	1384	1407	1384	565	487	3890
18"	406	1537	1559	1537	563	608	6195	1537	1559	1537	563	608	5634	1537	1559	1537	592	527	5100
20"	454	1664	1686	1664	617	645	9075	1664	1686	1664	617	645	7020	1664	1686	1664	650	630	6678
24"	546	1945	1972	1945	698	724	14280	1945	1972	1945	698	724	11120	1945	1972	1945	660	640	11700
28"	641	2032	2061	2032	941	1037	13100	2032	2061	2032	941	1037	11790						
30"	686	2286	2315	2286	1035	1066	14100	2286	2315	2286	1035	1066	12240						
32"	730	2415	2444	2415	1060	1165	15100	2415	2444	2415	1060	1165	13590						
36"	819	2743	2755	2743	1180	1306	18840	2743	2755	2743	1180	1306	16956						



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 1500 缩径
ASME Class 1500 Reduced Bore

球阀类型 Valve type			分体式球阀 Side entry						全焊接球阀 Fully welded						顶装式球阀 Top entry					
公称通径 NPS	D	d	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)	L-RF	L-RTJ	L-WE	H1	H2	重量 WT(kg)
2"x1 1/2"	49	38	368	371	368	104	103	41	368	371	368	104	103	41	368	371	368	161	95	50
2 1/2"x2"	62	49	419	422	419	104	103	50	419	422	419	104	103	44	419	422	419	211	105	98
3"x2"	74	49	470	473	470	130	115	68	470	473	470	130	115	48	470	473	470	211	105	110
3"x2 1/2"	74	62	470	473	470	130	115	95	470	473	470	130	115	65	470	473	470	220	110	150
4"x3"	100	74	546	549	546	167	128	122	546	549	546	167	128	88	546	549	546	229	121	203
6"x4"	144	100	705	711	705	179	170	285	705	711	705	179	170	266	705	711	705	293	164	376
8"x6"	192	144	832	841	832	260	233	566	832	841	832	260	233	437	832	841	832	416	245	703
10"x8"	239	192	991	1000	991	304	290	1022	991	1000	991	304	290	920	991	1000	991	465	273	1273
12"x10"	287	239	1130	1146	1130	363	352	1760	1130	1146	1130	363	352	1584	1130	1146	1130	574	330	1535
14"x10"	315	239	1257	1276	1257	363	352	2145	1257	1276	1257	363	352	1931	1257	1276	1257	580	330	2100
14"x12"	315	287	1257	1276	1257	417	425	2500	1257	1276	1257	417	425	2250	1257	1276	1257	580	427	2698
16"x12"	360	287	1384	1407	1384	417	425	2800	1384	1407	1384	417	425	2520	1384	1407	1384	630	427	3200
16"x14"	360	315	1384	1407	1384	437	426	3245	1384	1407	1384	437	426	2921	1384	1407	1384	640	455	3100
18"x16"	406	360	1537	1559	1537	475	493	4970	1537	1559	1537	475	493	4473	1537	1559	1537	657	493	4200
20"x16"	454	360	1664	1686	1664	475	493	5135	1664	1686	1664	475	493	4622	1664	1686	1664	657	493	4500
20"x18"	454	406	1664	1686	1664	563	608	7500	1664	1686	1664	563	608	6750	1664	1686	1664	693	527	5900
24"x20"	546	454	1945	1972	1945	617	645	10875	1945	1972	1945	617	645	9788	1945	1972	1945	757	620	9200



主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 2500 全通径
ASME Class 2500 Full Bore

球阀类型 Valve type		分体式球阀 Side entry						顶装式球阀 Top entry					
NPS 公称通径	D	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"	42	451	454	451	120	127	88	451	454	451	212	98	120
2 1/2"	52	508	540	508	150	162	135	508	540	508	225	110	180
3"	62	578	584	578	177	198	187	578	584	578	243	122	246
4"	87	673	683	673	227	233	380	673	683	673	299	164	470
6"	131	914	927	914	264	252	770	914	927	914	355	243	937
8"	179	1022	1038	1022	383	339	1357	1022	1038	1022	424	292	1410
10"	223	1270	1292	1270	453	422	2100	1270	1292	1270	503	352	2600
12"	265	1422	1445	1422	520	482	3210	1422	1445	1422	588	436	4200
14"	292	1681	1681	1681	578	558	5520						
16"	333	1962	1962	1962	650	620	6520						
18"	374	2134	2134	2134	810	740	8630						
20"	419	2286	2286	2286	900	825	11640						

主要外形及连接尺寸
Form Main Types and Connecting Dimension

ASME Class 2500 缩径
ASME Class 2500 Reduced Bore

球阀类型 Valve type			分体式球阀 Side entry						顶装式球阀 Top entry					
NPS 公称通径	D	d	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)	L-RF	L-RTJ	L-WE	H1	H2	重量WT (kg)
2"x1½"	42	38	451	454	451	120	82	65	451	454	451	212	98	80
2½"x2"	52	42	508	540	508	127	88	105	508	540	508	212	98	160
3"x2"	62	42	578	584	578	162	135	155	578	584	578	212	98	190
3"x2½"	62	52	578	584	578	162	135	210	578	584	578	220	100	230
4"x3"	87	62	673	683	673	198	187	264	673	683	673	243	122	300
6"x4"	131	87	914	927	914	233	380	510	914	927	914	299	164	670
8"x6"	179	131	1022	1038	1022	252	770	1090	1022	1038	1022	355	243	1150
10"x8"	223	179	1270	1292	1270	339	1357	1663	1270	1292	1270	424	292	2100
12"x10"	265	223	1422	1445	1422	422	2100	2555	1422	1445	1422	503	352	3300
16"x12"	333	265	1962	1962	1962	482	3210	5170						
18"x14"	374	292	2134	2134	2134	558	5520	6670						
20"x16"	419	333	2286	2286	2286	620	6520	8955						



锻钢金属硬密封浮动球阀

The metal hard seal fluctuation ball valve of forging steel:

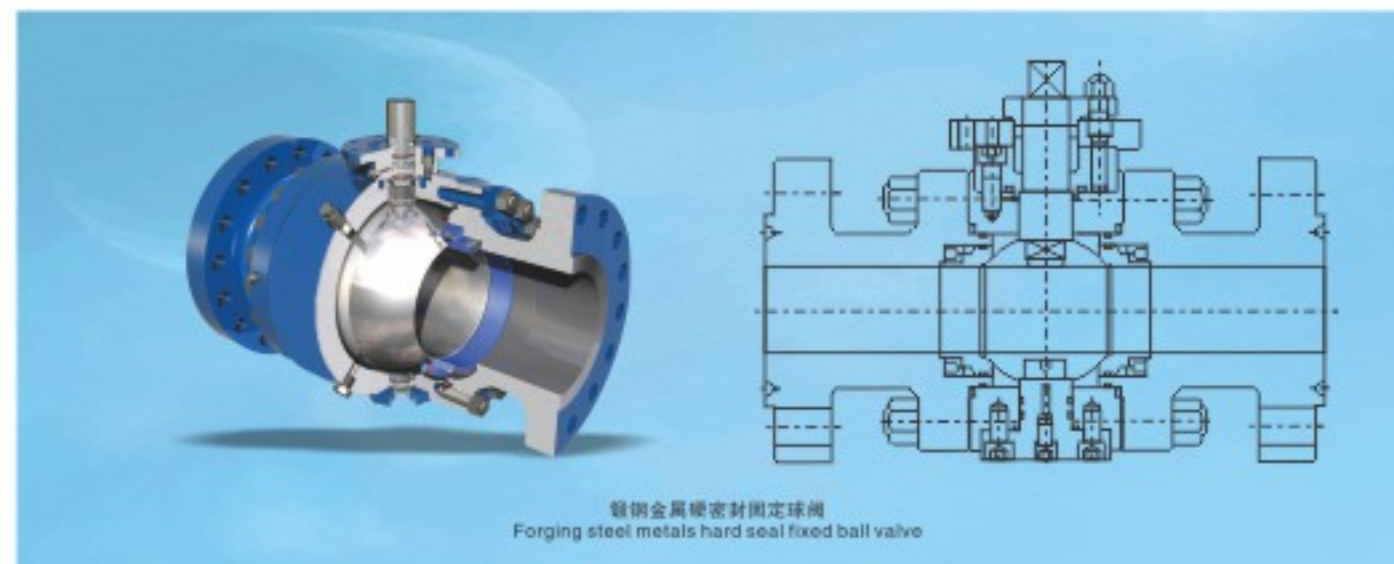
金属硬密封浮动球阀一般采用铸钢阀体, 根据用户要求, 也可采用锻钢阀体, 锻钢球阀的法兰连接尺寸、结构长度等主要尺寸与铸钢球阀相同。

Metal hard seal fluctuation ball valve generally uses the cast steel with valve body, according to user's request, also may use the forging steel valve body, and the size connection for forging steel ball valve flange, the structural length and so on, the main dimension is same of the cast steel ball valve.

产品范围 Product scope:

金属硬密封浮动球阀的产品范围见下表 The metal hard seal fluctuation ball valve product scope sees the table

口径 Size	DN	15	20	25	32	40	50	65	80	100	125	160
	NPS	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
压力级或 公称压力 pressure class or the nominal pressure	Class150 PN20	☆	☆	☆	☆	☆	☆	☆	☆	△	△	△
	Class300 PN50	☆	☆	☆	☆	☆	☆	☆	☆	△	-	-
	Class600 PN110	☆	☆	☆	☆	☆	△	△	△	-	-	-
	Class900 PN150	☆	☆	☆	☆	△	△	△	-	-	-	-
	Class1500 PN260	☆	☆	☆	☆	△	△	-	-	-	-	-
	PN16	☆	☆	☆	☆	☆	☆	☆	☆	△	△	△
	PN25	☆	☆	☆	☆	☆	☆	☆	☆	△	△	△
	PN40	☆	☆	☆	☆	☆	☆	☆	△	△	-	-
	PN63	☆	☆	☆	☆	☆	△	△	△	-	-	-
	PN100	☆	☆	☆	☆	☆	△	△	△	-	-	-



锻钢金属硬密封固定球阀

Forging steel metals hard seal fixed ball valve:

金属硬密封固定球阀一般采用铸钢阀体, 根据用户要求, 也可采用锻钢, 锻钢金属硬密封固定球阀的法兰尺寸及结构长度与铸钢固定球阀相同。

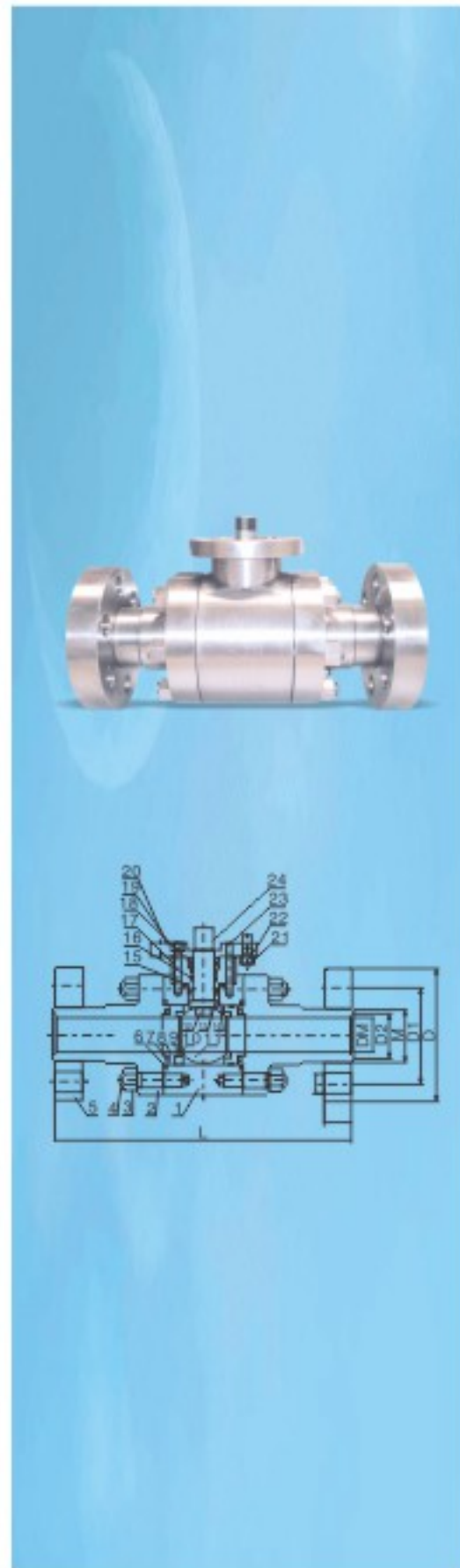
Metal hard seal fixed ball valve generally uses the cast steel valve body, according to user request, also may use the forging steel, the forging steel metal hard seal fixed ball valve flange size and the structural length and the cast steel fixed ball valve is same.

产品范围 Product scope:

金属硬密封固定球阀的产品范围见下表 Metals hard seals fixed ball valve's scope of product sees the next table.

口径 Size	DN	100	125	150	200	250	300	350	400	450	500	600
	NPS	4	5	6	8	10	12	14	16	18	20	24
压力级或 公称压力 pressure class or the nominal pressure	Class150 PN20	△	△	△	△	△	△	△	△	△	△	△
	Class300 PN50	△	△	△	△	△	△	△	△	△	△	-
	Class600 PN110	△	△	△	△	△	△	△	△	-	-	-
	Class900 PN150	△	△	△	△	△	△	-	-	-	-	-
	Class1500 PN260	△	△	△	△	△	△	-	-	-	-	-
	Class2500 PN420	△	△	△	△	-	-	-	-	-	-	-
	PN16	△	△	△	△	△	△	△	△	△	△	△
	PN25	△	△	△	△	△	△	△	△	△	△	-
	PN40	△	△	△	△	△	△	△	△	△	△	-
	PN63	△	△	△	△	△	△	△	△	-	-	-
	PN100	△	△	△	△	△	△	△	△	-	-	-
	PN160	△	△	△	△	△	-	-	-	-	-	-

序号 NO	材料标准 Material standard	材料牌号 standard			
		碳钢 Carbon steel		不锈钢 stainless steel	
	零件名称 Part name	GB	ASTM	GB	ASTM
01	阀体 Body	25	A105	1Cr18Ni9Ti	F304/F316/
02	阀盖 Body cap			1Cr18Ni12Mo2Ti	F304L/F316L
03	螺母 Nut	45	A193-2H	0Cr18Ni	A193-B8M
04	双头螺柱 Stud	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M
05	法兰 Flange	25	A105	1Cr18Ni9Ti	F304/F316/
				1Cr18Ni12Mo2Ti	F304L/F316L
06	O型密封圈 Type O sealing ring	氟橡胶 VITON			
07	O型密封圈 Type O sealing ring	氟橡胶 VITON			
08	阀座支承圈 Seat retainer	25镀锌 25HRC	A105镀锌 A105HRC	1Cr18Ni9Ti	F304/F316/
				1Cr18Ni12Mo2Ti	F304L/F316L
09	O型密封圈 Type O sealing ring	氟橡胶 VITON			
10	阀座 Seat	尼龙 NYLON			
11	球体 Ball	1Cr18Ni9Ti	304	1Cr18Ni9Ti	F304/F316/
				1Cr18Ni12Mo2Ti	F304L/F316L
12	上阀杆 Stem	2Cr13	A276-410	1Cr18Ni9Ti	F304/F316/
				1Cr18Ni12Mo2Ti	F304L/F316L
13	止推轴承 Thrust Bearing	PTFE			
14	O型密封圈 Type O sealing ring	氟橡胶 VITON			
15	O型密封圈 Type O sealing ring	氟橡胶 VITON			
16	O型密封圈 Type O sealing ring	氟橡胶 VITON			
17	上滑动轴承 Stem bearing	金属夹PTFE Metal Backed PTFE			
18	填料 Packing	石墨 GRAPHITE			
19	螺钉 Bolt	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M
20	连接盘 Connecting Piece	25	A105	1Cr18Ni9Ti	F304/F316/
				1Cr18Ni12Mo2Ti	F304L/F316L
21	双头螺柱 Stud	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M
22	螺母 Nut	45	A193-2H	0Cr18Ni	A193-B8M
23	销 Pin	45	A193-2H	0Cr18Ni	A193-B8M
24	键 Key	40Cr	40Cr	1Cr17Ni2	1Cr17Ni2



产品特点 Features:

1. 本产品所有部件均为锻件。
 2. 采用下装式阀杆，设置倒密封结构，确保填料处可靠密封及防止阀杆脱出。
 3. 采用镶嵌式阀座。阀座背后设置O型圈，确保介质不外漏。
1. All the components are forged ones.
2. Lower-loading stem and backward sealing construction have been setup for positive sealing at stuffing position and backing-outprotecting of the handle.
3. Interbedded valve seat is applied on whose base RO-ring is also mounted for avoiding the leakage of medium.

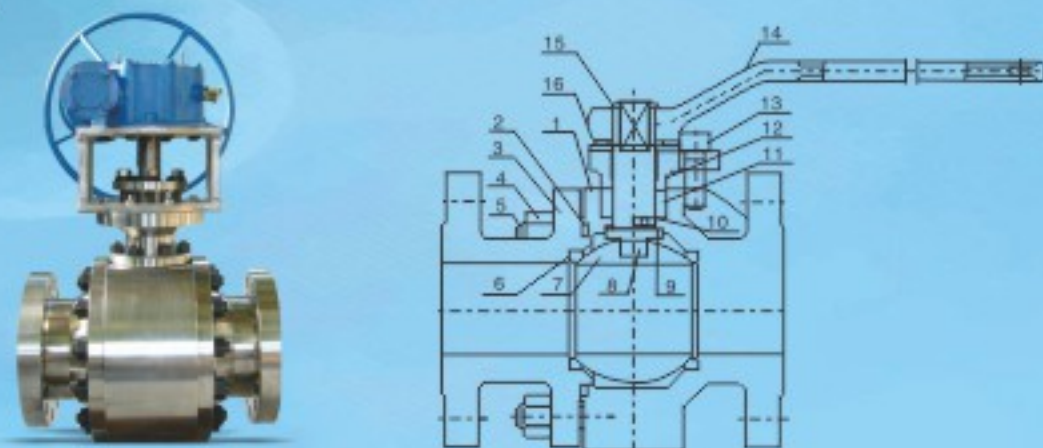
主要性能规范 Main Performance Specification

公称压力 PN(MPa) Nominal diameter	试验压力Test pressure(MPa)		
	壳体 Shell	高压液密封 High-pressure liquid sealing	低压气密封 Low-pressure hermetic sealing
16.0	24	17.6	0.6
32.0	48	35.2	
适用温度 Applicable temperature		-40~80℃	
适用介质 Applicable medium		水、油品、氨气、氮气、氢气液化气等 Water,oil products,nitrogen,ammonia,hydrogen and liquefied gas etc.	

主要外形及连接尺寸 Form Main Types and Connecting Dimension

公称压力 PN(MPa) Nominal diameter	公称通径 DN(mm) Nominal pressure	主要尺寸(mm)Main dimension						
		L	D	D1	M	D2	b	z-φd
16.0	10	210	95	60	M24×2	18	20	3-φ18
	15	230	95	60	M24×2	20	20	3-φ18
	20	240	105	68	M33×2	28	20	3-φ18
	25	260	105	68	M33×2	28	22	3-φ18
	32	300	115	80	M42×2	38	24	4-φ18
	40		165	115	M52×2	48	30	6-φ28
	50	400	165	115	M64×3	58	32	6-φ28
	65	490	200	145	M80×3	74	40	6-φ28
	80	580	225	170	M100×3	94	50	6-φ38
	100	100	260	190	M125×4	115	60	6-φ38
	125	750	300	235	M155×4	146	75	8-φ38
	150	800	330	255	M215×4	163	78	8-φ48
	200	850	400	315	M215×6	193	90	8-φ48
32.0	10	210	95	60	M24×2	18	20	3-φ18
	15	230	105	68	M33×2	28	20	3-φ18
	20	240	105	68	M33×2	28	20	3-φ18
	25	260	115	80	M42×2	35	25	4-φ18
	32	300	135	95	M52×2	41	30	4-φ28
	40	40	165	115	M64×3	47	35	6-φ28
	50	400	200	145	M80×3	70	40	6-φ29
	65	490	225	170	M100×3	90	50	6-φ33
	80	580	260	195	M125×4	112	55	6-φ36
	100	620	300	235	M155×4	135	65	8-φ36
	125	750	330	255	M175×4	146	78	8-φ42
	150	800	400	315	M215×6	163	90	8-φ48
	200	850	480	380	M265×6	193	120	8-φ68

Class150/300



应用规范 Application standard

- 1、压力-温度等级: ASME B16.34, BS 5351
- 2、壳体壁厚: ASME B16.34, BS 5351
- 3、孔口尺寸: API 6D, BS 5351
- 4、结构长度: ASME B16.10, API 6D
- 5、连接尺寸: ASME B16.5, BS 1560
- 6、试验和检查: API 6D, BS 5146
- 7、主体材料: A105, LF2, F304, F304L, F316, F316L

- 1、Temp & Pressure: ASME B16.34, BS 5351
- 2、Wall thickness: ASME B16.34, BS 5351
- 3、Bore dimension: API 6D, BS 5351
- 4、Length of the structure: ASME B16.10, API 6D
- 5、Flange dimensions: ASME B16.5, BS 1560
- 6、Test & inspection: API 6D, BS 5146
- 7、Body material: A105, LF2, F304, F304L, F316, F316L

主要零部件材料 Main Part Materials List

序号 NO	零件名称 Part name	碳钢系列 Carbon steel	低合金钢系列 Low Temp steel	不锈钢系列 Stainless steel
1	阀体 Body	ASTN A105	ASTM A350 LF2	ASTM A182 L316
2	垫片 Gasket	304+GRAPHITE	304+GRAPHITE	316+GRAPHITE
3	阀盖 Bonnet	ASTN A105	ASTM A305 LF2	ASTM A182 L316
4	螺母 Nut	ASTN A194-2H/2HM	ASTM A194 7M	ASTM A194 2HM/8
5	螺栓 Stud	ASTN A193-B7/B7M	ASTN A320 7M	ASTN A193-B7M/8
6	密封圈 Sealing ring	RPTFE	RPTFE	RPTFE
7	球体 Ball	ASTM A105+ENP	ASTM A350 LF2+ENP	ASTM A182 F316
8	阀杆 Stem	ASTM A182-F6a	ASTM A182-F6a	ASTM A182-F316
9	垫片 Gasket	304+PTFE	304+PTFE	306+PTFE
10	静电装置 Antistatic device	ASTM A182-F304	ASTM A182-F304	ASTM A182-F304/F316
11	填料 Packing	PTFE/GRAPHITE	PTFE/GRAPHITE	PTFE/GRAPHITE
12	填料压盖 Packing gland	CARBON STEEL	CARBON STEEL	STAINLESS STEEL
13	螺钉 Screw	ASTM A193-B7/B7M	ASTM A193-7M	ASTM A193-B8
14	手柄 Lever	ASTM A216-WCB	ASTM A216-WCB	ASTM A216-WCB
15	弹簧挡圈 Back stop	CARBON STEEL	CARBON STEEL	CARBON STEEL
16	定位块 Stopper plate	CARBON STEEL	CARBON STEEL	STAINLESS STEEL

Class 150尺寸表 Dimension Chart

单位Unit(mm)

规格 Specifications	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8	10
mm	15	20	25	40	50	65	80	100	125	150	200	250	300
流孔Bore	15	20	25	40	50	65	80	100	125	150	200	250	300
L	108	117	127	165	178	190	203	229	356	394	457	533	609
H	84	88	95	120	140	160	180	208	220	335			
W	130	130	140	250	250	400	140	450	450	1050			

1/2"-4"手柄操作 Lever operation

6"-8"为传动轴操作 Optional gear operation

6"-8"蜗杆蜗轮操作(供客户选择) Gear operation(For customer choice)

10"为蜗杆蜗轮操作 Gear operation

试验压力 Test pressure

壳体试验 Shells experiments(液体 Liquid)Shell(Hydrostatic): 3.10MPa(450psi)

密封试验 Pressure testings(气体 Gas)Seal(Air): 0.55MPa(80psi)

中部垫片 Middle filling pieces PTFE(金属缠绕供客户选择 Metal twines for customer choice)

填料 Packing PTFE(柔性石墨供客户选择 Flexible graphite supplies customer choice)

阀杆 Valve levers A182-F6a(其他材料供客户选择 Other material supply customer choice)

球体 Spheroids ASTM A105+ENP(其它材料客户选择 Other material customer choices)

Class 300尺寸表 Dimension Chart

单位Unit(mm)

规格 Specifications	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8
mm	15	20	25	40	50	65	80	100	125	150	200	250
流孔Bore	15	20	25	40	50	65	80	100	125	150	200	250
L	140	150	165	191	216	241	283	305	381	403	502	609
H	84	88	95	120	140	160	180	208	220	335		
W	130	130	140	250	250	400	400	450	450	1050		

12"-4"手柄操作 Lever operation

6"-8"为传动轴操作 Optional gear operation

6"-8"蜗杆蜗轮操作 Worm Worm operations(供客户选择 For customer)

试验压力 Test pressure

壳体试验 Shells experiments(液体 Liquid): 7.7MPa(1125psi)

密封试验 Pressure testings(气体 Gas): 0.55MPa(80psi)

中部垫片 Middle filling pieces PTFE(金属缠绕供客户选择 Metal twines for customer choice)

填料 Packing PTFE(柔性石墨供客户选择 Flexible graphite supplies customer choice)

阀杆 Valve levers A182-F6a(其他材料供客户选择 Other material customer choices)

球体 Spheroids ASTM A105+ENP(其它材料客户选择 Other material customer choices)

带蜗轮操作装置尺寸表 Gear operation dimension chart

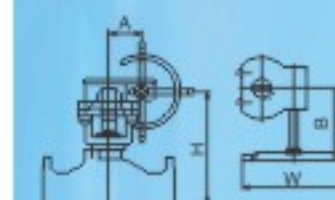
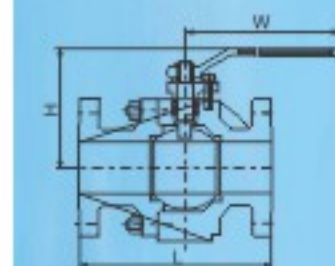
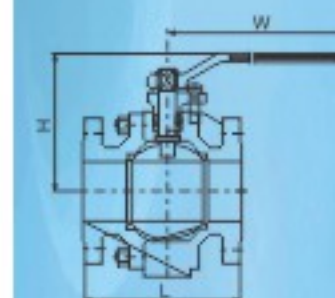
单位Unit(mm)

CLASS	150	300	蜗轮操作装置 Gear operator			
			H	W	B	A
规格 Specifications (inch)	6	6	257	350	205	125
	8	8	306	355	320	185
	10	10	365	165	140	160

结构特点 Unique feature:

防火结构: 防静电装置: 带锁定装置。
阀杆防飞结构: 高性能密封材料: 阀门
的压力-温度额定值按ANSI B16.34; 阀
门的主要零部件材料见: 阀门的端法兰;
连接尺寸按ANSI B16.5.

Structure fire: Anti-static devices: bell
locking devices: stem-fly structure:
high-performance sealing materials:
valve pressure-temperature ratings
by ANSI B16.34; the main valve connecting
flange-size by ANSI B16.5.



全焊接球阀系列

FULL WELDING BALL VALVE SERIES



天然气管线专用焊接球阀

Natural Gas Pipelines Dedicated Welding Ball Valve



产品概述 Product Overview

天然气管线专用焊接球阀是一款专用于天然气管道的球阀，主要由阀体、加长杆、放散管等部件组成，天然气全焊接球阀采用筒形体结构制造放散管与加长杆可以根据客户要求定制。该阀有着卓越的品质和稳定的性能是普通球阀无法达到，另外还有着适应能力强，不用维护，使用寿命长等优点。广泛的应用在：天然气、煤气等气体管道当中。

Natural gas pipelines dedicated welding ball valve is a dedicated to natural gas pipeline ball valve, mainly by the body, the extension rod, radiation tube parts, such as gas fully welded ball valve adopts the cylinder form made radiation tube structure with extension rod can be customized according to customer requirements. The valve has excellent quality and stable performance, which can not be reached by the ordinary ball valve. Besides, it has the advantages of strong adaptability, no maintenance and long life. Widely used in gas, gas and other gas pipelines.

适用范围 Application Scope

城市燃气：燃气输出管道、主干线及各支线供应管道等。集中供热：大型供热设备输出管线、主干线、支线。热交换机：管道及各回路启闭。钢铁厂：各种流体管道、废气排放道、煤气和热力供应管道、燃料供应管道等。各种工业设备：各种热处理管道、各种工业煤气和热力管道。

City gas: gas output pipeline, trunk and the regional supply, etc. Central heating: large heating equipment output pipeline, trunk and feeder. Heat exchangers, piping and the opening and closing of each circuit. Steel mills: all kinds of fluid pipes, exhaust emission, gas and heat supply, fuel supply, etc. All kinds of industrial equipment: all kinds of pipes, all kinds of industrial gas and heat pipe heat treatment.

产品特性 Product Features

- 1、整体式焊接球阀，不会有外部泄漏现象；
 - 2、采用弹性垫圈及碳纤维增强密封，可以使用几千次；
 - 3、球体的加工采用先进的设备，确保球体的加工精度高；
 - 4、可根据管道的施工及设计的要求，调整阀体的长短和阀杆的高度；
 - 5、天然气全焊接球阀广泛的应用在城市集中供热、天然气输送管线、煤气等气体管道当中。
1. Integral welding ball valve, no external leakage phenomenon;
 2. Elastic gasket and carbon fiber reinforced seal can be used in tens of thousands of times.
 3. The processing of the ball adopts advanced equipment to ensure high machining accuracy of the ball;
 4. Adjust the length and height of the valve body according to the construction and design requirements of the pipeline;
 5. Natural gas all-welded ball valve is widely used in urban heat supply, natural gas pipeline, gas and other gas pipelines.

主要技术参数 Main Technical Parameters

阀门型号: Q367F
连接方式: 焊接
产品规格: DN200-1400mm
工作压力: PN2.5-6.4MPa
温度范围: -29℃~+250℃
产品材质: WCB, A105, F11, F22, CF8, 304等
适用介质: 天然气、煤气等其它气体
驱动方式: 手动、蜗轮、液动、电动、气动等

Valve model: Q367F
Connection mode: Welding
Product specification: DN200-1400mm
Work pressure: PN2.5-6.4MPa
Temperature range: -29℃~+250℃
Product material: WCB, A105, F11, F22, CF8, 304 and so on
Applicable medium: other gases, such as natural gas, gas, etc.
Driving mode: manual, worm, hydraulic, electric, pneumatic, etc.

埋地式全焊接球阀安装方法及保养

Installation Method And Maintenance Of Buried Full Welded Ball Valve

全焊接球阀中，有一种埋地式全焊接球阀，具体介绍一下埋地式全焊接球阀装置办法：

In the fully welded ball valve, there is a kind of buried fully welded ball valve. The method of the buried full welding ball valve is introduced in detail.

一、管线全焊接球阀（直埋式全焊接球阀）在安装前应进行压力试验，以确保阀门自身的严密性与安全性

1、强度实验：强度实验选用水作介质；在阀门两边袖管上焊接高压保护帽，将阀门开至45°方位后，经过袖管上的试压阀门向球阀内注入水，升压至球阀公称压力的1.5倍，保压15min，无泄漏为合格。

2、紧密性实验：紧密实验选用氮气作介质；将球阀关闭，从袖管上试压阀门向球阀内注入氮气，压力升至球阀公称压力的1.1倍，中腔放空管接软管通入盛水容器进行检测，插入深度为1cm，5min内无气泡产生为合格。

1. In order to ensure the tightness and safety of the valve, the pressure test should be carried out before the installation of the full welded ball valve (directly buried full welded ball valve).

(1). Strength experiment. Strength experiment using water as medium; Weld the high pressure protective cap on the sleeve of both sides of the valve, the valve open to 45°, the sleeves on the pressure test valve to valve water injected, 1.5 times the boost to the valve nominal pressure, pressure 15min, no leakage is qualified.

(2). The tightness test. Close experiment using nitrogen as medium; the valve closed, from the sleeves on the pressure test valve to inject nitrogen into the valve, pressure rose to 1.1 times the nominal pressure valve, release valve in the hose cavity into the container for detection, the insertion depth is 1cm; 5min is no bubbles as eligible.

二、全焊接球阀装置

1、阀门进行吊装。应采用正确的方式吊装阀门，为了保护阀杆，不要将吊链系于手轮、齿轮箱或执行器。阀门袖管两端的保护帽在焊接之前不要摘除。

2、阀门焊接技术。直埋地全焊接球阀与主管线的连接采取焊接，焊缝质量必须符合《承压设备焊接接头射线照相》(GB3323-2005) II级片标准，通常一次焊接并不能完全保证全部合格，所以订购阀门时候应当要求厂家在阀门两端增加1.0m长袖管，一旦焊缝不合格，还有足够的长度将不合格焊缝割除并重新焊接。另外，在球阀与管道焊接时，阀门应处于100%全开位置，以免球阀被飞溅的焊渣损坏，同时确保阀门内部密封件温度不超过140℃，必要时可以采取适当的冷却措施。

3、阀门井砌筑。直埋全焊接球阀采用特殊的结构设计，具有免维护的特点，埋地前在阀门外侧涂覆Pu特殊防腐涂层，同时将3根分别为阀座和阀杆紧急注脂的注入管，中腔放空管及阀杆根据埋地深度适当延长，以便工作人员在地面上就可以完成各项操作。实现直埋地后，砌筑小型阀门手井即可。

2. Fully welded ball valve device

(1). The valve is hoisted. Should choose accurate method of lifting the valve, in order to protect the stem, not the chain tied hand wheel, gear or actuator. Valve protection cap sleeves at both ends not before welding removal.

(2). Valve welding technology. Buried fully welded ball valve and the main pipeline connected through welding, weld quality must comply with the "flexor melting welding joint radiography" (GB3323-2005) grade II standard, usually a welding can not completely guarantee that all qualified, so when ordering a valve should be required at both ends of the valve manufacturers in the increase of 1.0m long tube, once the weld not qua-ified, there is enough length of the unqualified weld cut and re welding. In addition, in the ball valve and pipe welding, the valve should be in the 100% completely open position, so as to avoid the ball valve is splattered welding slag damage, the same ensure that the temperature of the internal seal of the valve does not exceed 140℃, and appropriate cooling measures can be taken when necessary.

(3). The valve well is masonry. Buried fully welded ball valve with special structure design, maintenance free features, buried outside of the valve before coating Pu special anti-corrosion coating, while 3 were emergency grease the seat and stem injection pipe, vent pipe and the stem cavity according to the buried depth appropriate to extend to the staff on the ground to complete the operation. After realizing the direct burial, the small valve hand well can be built.

三、平常操作及保护：为了延伸阀门使用寿命，平常应遵循以下程序对阀门进行操作和保护。

1、埋地式全焊接球阀操作，阀门常常操作既能够避免杂质在阀座或阀球外表聚集，也能够避免阀座内嵌体部分过度磨损。作时刻应当保持在一个适宜规模内。依据经历，阀门的开关时刻(秒数)控制的规模，下限可按阀门公称尺度(英寸)的一半，上限可按阀门公称尺度(英寸)5倍来估算。

(2) 阀门处于投运状态，阀球应处于全开或全关，不得处于半开或半关方位，避免阀座损伤。

3. Ordinary operation and protection: in order to extend the service life of the valve, the following procedures should be followed to operate and protect the valve.

(1). Buried fully welded ball valve operation, valves are often operated to avoid impurities in the seat or valve ball surface accumulation, but also to avoid excessive wear of the inlay part of the valve seat.

1) Request at the opening and closing time. Too fast valve switching will cause the valve to distort too much load and damage the stem. If the switch is too slow, the valve seat will wear away for a long time, and the operation time should be kept in a suitable scale. According to experience, the size and the lower limit of valve's switch time (seconds) can be half of the nominal scale (inch) of the valve, and the upper limit can be estimated by 5 times of the nominal scale of the valve (inch).

2) The valve is in the operation state, the valve ball should be in the fully open or fully closed, not in a semi open or semi closed range, to avoid the damage of valve seat.

2、平常保护

阀座腔是管线阀门最容易被污染的区域，应每隔一年清洗一次球阀，让阀座腔不被污染，阀座才能运行自由，每年最少在开关处注入适量的润滑油，减少球体和阀座胶合及阀球与阀座间的摩擦，降低不必要的损失。全焊接球阀良好的技术特点对整条输气管线进行焊接，这样可以增强管道(含阀门)整体抗应力、抗地质灾害(如地质沉降)的能力，避免了漏气的可能，使阀门的可靠性寿命延长，有利于日常球阀的安装和维护。

(2). Ordinary protection

Seat cavity is the most easy to pipeline valve polluted area, clean the ball valve once every other year so that the seat chamber is not contaminated and the seat is free to operate., every year at least in the switch into the right amount of grease, reduce the ball and seat agglutination and friction between the valve ball and seat, reduce unnecessary loss. All welded ball valve good technical features of the whole gas transmission pipeline welding, it can enhance tube (valve) overall stress resistance, geological disasters, such as geological subsidence resistance, to avoid the possibility of a leak, increases the life span of the reliability of the valve is advantageous to the daily ball valve installation and maintenance.

■ 地下直埋式球阀施工图 Underground Buried Type Ball Valve Construction Drawing

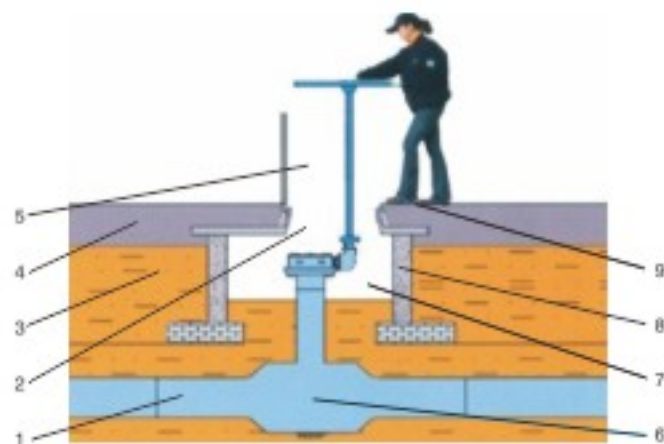
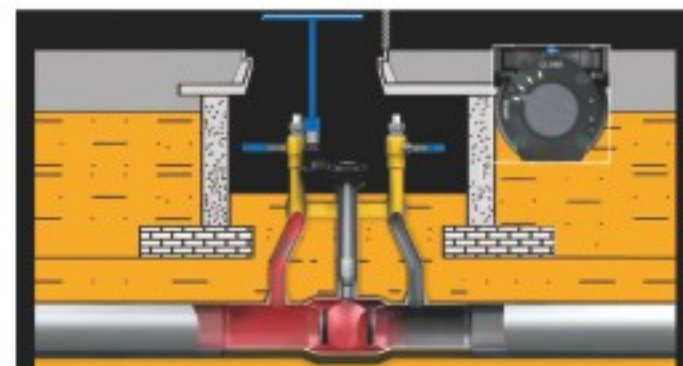
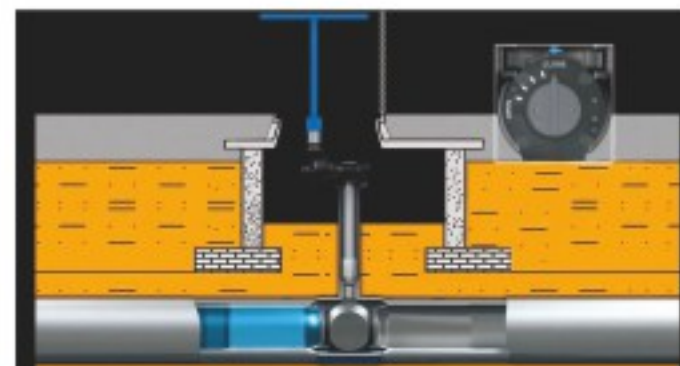
现代城市里面的车辆及行人通行密集，道路的情况也非常复杂。所以在施工和维护煤气供应管道时对其施工时间和施工安全的要求也非常高。

这次采用全焊接球阀，可以直接深埋地下。利用最新的工程技术方法施工能最大减少阀门控制所占空间，并且大大节省施工费用及工程时间。而且能预防煤气爆炸的危险，理想全焊接球阀是非常安全的阀门。

直埋式球阀传动时，操作者不需要进入地下，只需要在地上进行传动操作即可，非常安全方便。

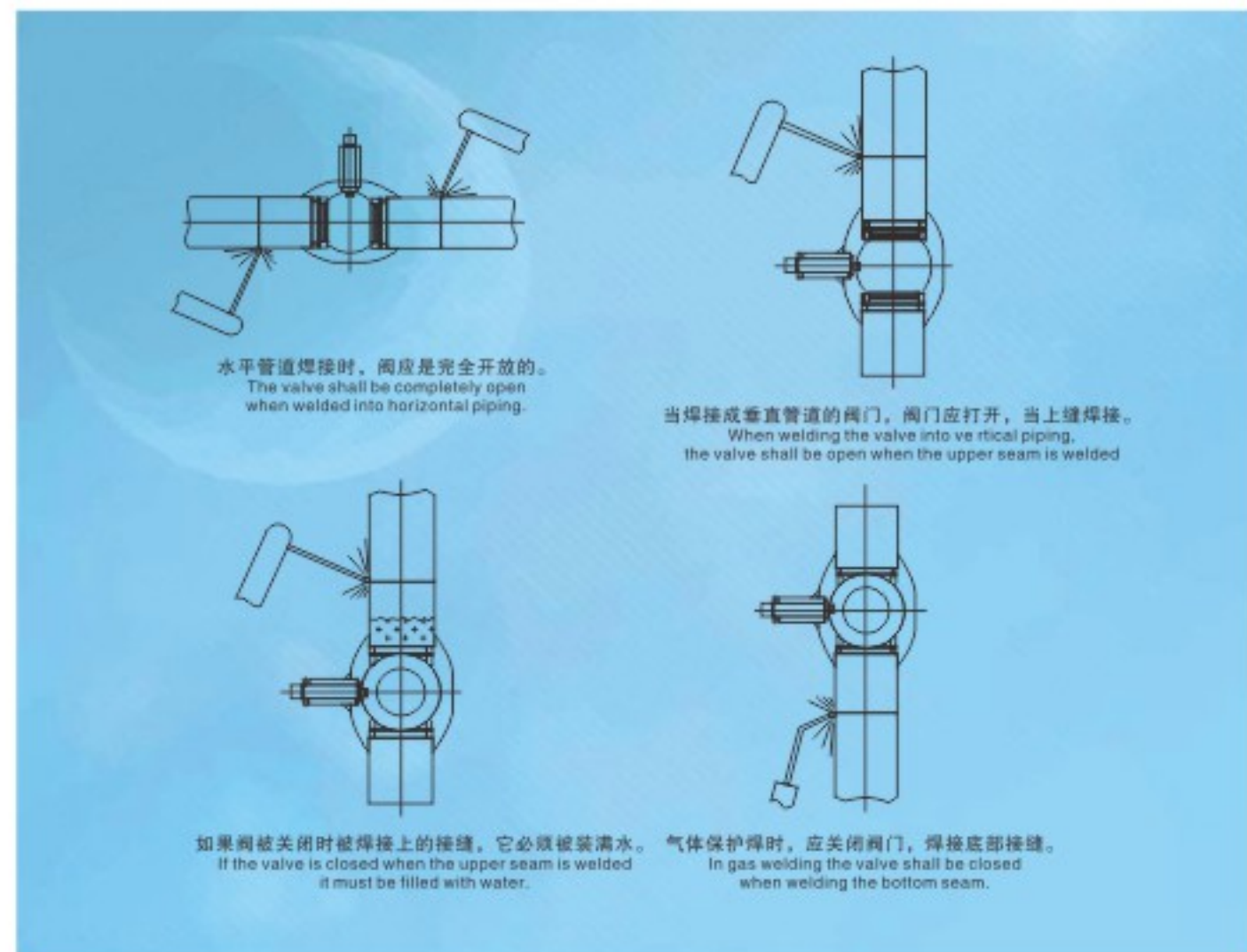
Modern vehicles and pedestrians in densely populated city, the road is also very complex. So in the construction and maintenance of gas supply pipe for the safety of the construction time and construction is also very high. It adopts full welded ball valve, can be directly buried deep underground. Using the latest methods of engineering construction can reduce the valve control of space, and greatly reduce the construction cost and project time. And can prevent the risk of gas explosion, LIXIANG Full welded ball valve is very safe.

Directly buried type ball valve drive, the operator does not need to enter the underground, you just need to on the ground for transmission operation, very safe and convenient.



- | | |
|-------------------------|-------------------------|
| 1. 埋地管线 Buried pipeline | 3. 埋地介质 Buried medium |
| 2. 阀室 Valve chamber | 4. 水泥浇筑面 Cement surface |
| 5. 井盖井圈 Well cap | 8. 砌墙 Build a wall |
| 6. 阀门 Valve | 9. 路面 Road surface |
| 7. 放散阀 Diffuse valve | |

全焊接球阀安装注意事项 Fully Welded Ball Valve Install Matters Needing Attention

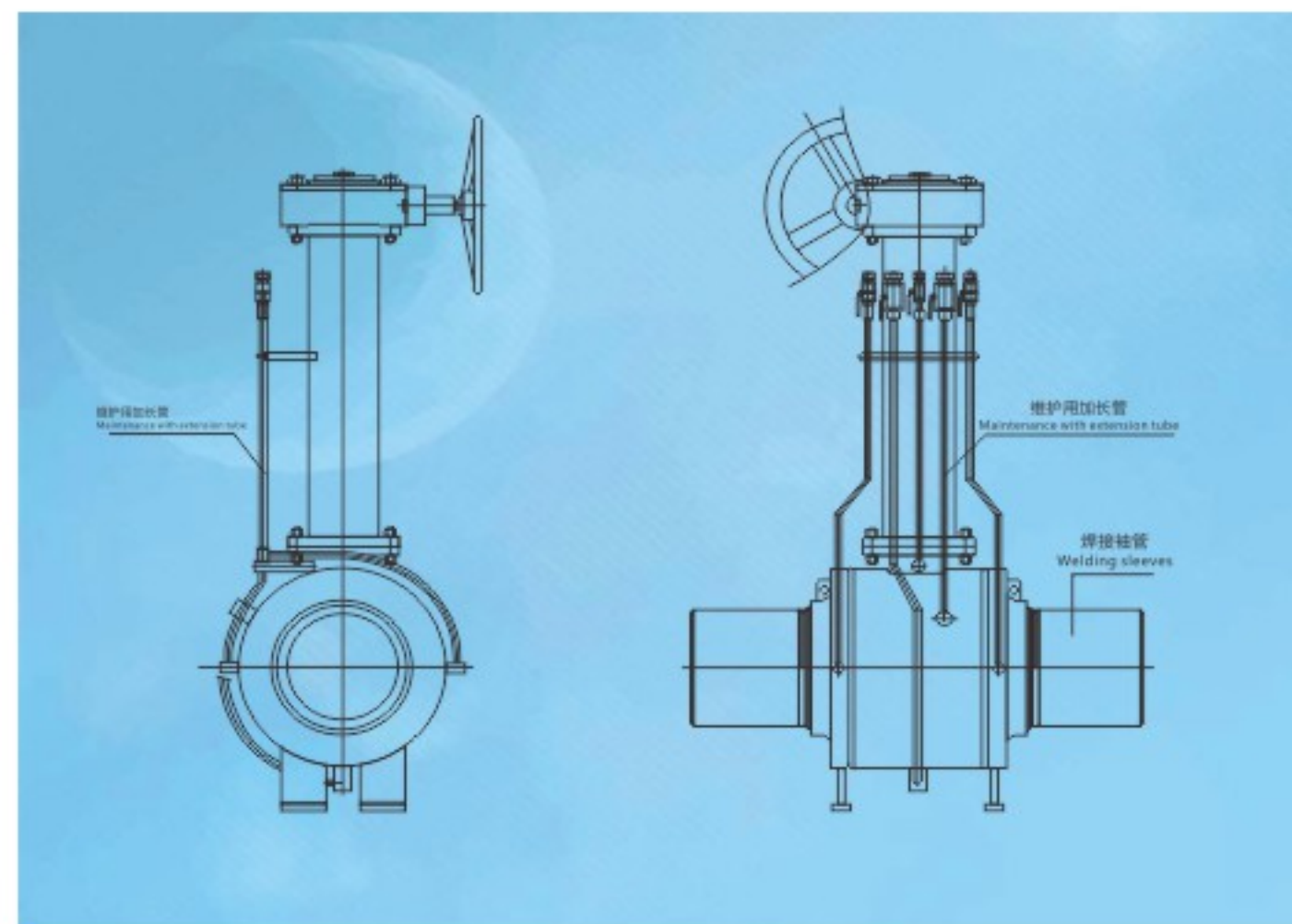


1. 拆去两端的保护盖，检查阀孔是否有故障、是否干净。如有异物清理干净，避免沟槽和球体之间的异物损坏阀座密封面。
 2. 试着打开和关闭球阀几次，确认球阀能否正常工作。
 3. 在将球阀安装至管线之前，应将管子焊接表面擦扫干净。安装球阀时，不用特别注意球阀的安装方向(任一端都可安装在上游端)。
 4. 将要焊接的球阀打开，避免在焊接过程中焊渣进入阀内。
 5. 焊接完成后，等阀门完全冷却后再进行阀门开关操作。
 6. 当安装蜗轮蜗杆执行机构时(阀门尺寸DN200及以上或特殊定制)，先根据阀门开关位置，参照箭头指示方向(关/开)调整执行机构开度位置，使执行机构箭头指示开关方向和阀门开关位置保持一致；将执行机构与阀体的标准法兰正确对接，并适当调整限位螺栓(打开底部黑色保护帽，松动固定螺母，用适合的六角扳手调整限位螺栓，完成后上紧固定螺母，安好黑色保护帽)的位置使阀门可以完全关闭和打开，可以参考箭头指示方向(箭头必须完全水平或垂直)。
1. Down at the ends of the protection cover, check if there is a fault, whether to clean valve hole. If there is any foreign body is clean, to avoid foreign body damage between grooves and ball valve seat sealing surface.
2. Try to open and close the ball valve a few times, confirm the ball valve can work normally.
3. Before install the ball valve to the pipeline, pipe welding surface should be clean sweep clean. Installing a ball valve, don't have to pay special attention to the installation of the ball valve direction (either end can be installed at the upstream end).
4. To be welded ball valve open, avoid in the process of welding welding slag into the valve.
5. After completion of welding, such as valve cool completely before valve switch operation.
6. When the installation of turbine vortex lever actuators (Valves size DN200 and above or special customization), according to the first valve switch position, reference to the arrow direction (OFF/NO) adjustment of the opening of the actuator position, make the direction of arrow switch actuator and valve switch position is consistent; Will dock standard flange correct actuator and valve body, and adjust the limit bolt (open at the bottom of the black protective cap, loose nut, fixed adjustment limit bolt together with hex wrench, a fixed nut tightening up, after the completion of line black protective cap) the position of the valve can be completely closed and open, you can refer to the arrow direction (arrow must be horizontal or vertical).

埋地工况设计 Buried Working Design

用于埋地工况的阀门，设置阀门加长杆、维护用加长管(两侧通道排气管+两侧阀座注脂管+阀体底部排污管)和控制阀，使阀门操作位置至于地面上方便于操作的位置。阀门表面耐腐蚀沥青涂覆保护或环氧树脂保护、现场管道跨越及阴极保护措施。适应埋地使用环境。

Used for buried conditions of valve, valve set extension rod, maintenance with extension tube (on both sides of the channel at the bottom of the exhaust pipe + on both sides of the seat on the tube body drainage pipe) and the control valve, valve operating position as for above ground, convenient for operating position. Valve surface corrosion resistant asphalt coating protection or epoxy cathodic protection, piping jumper and protective measures, to adapt to the buried use environment.

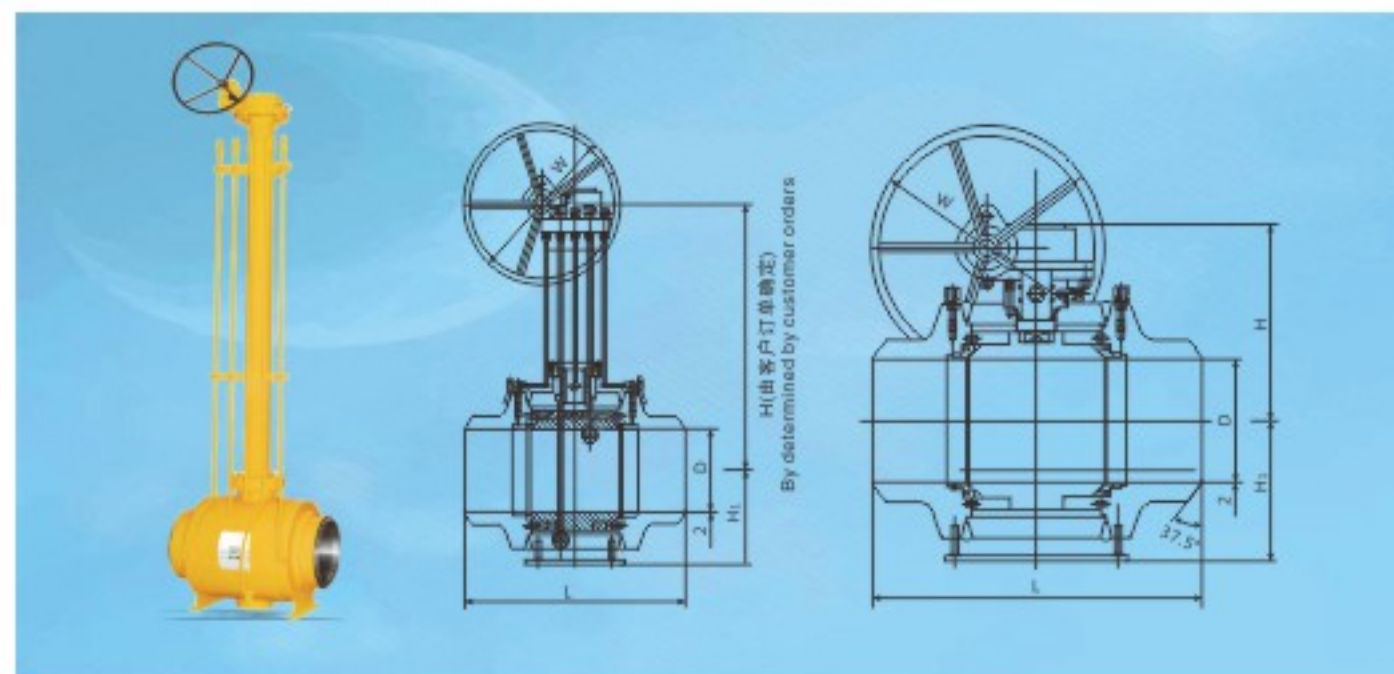


阀门所带袖管与管道常用钢管(Q235B和20#钢)的可焊性说明 Valves With Sleeves And Pipeline Of Common Steel Pipe (Q235B and 20 #) Weldability Instructions

管道材料 Piping material	Q235B	20 [#]	16Mn
袖管材料 Sleeves material	焊接 Welding		
WCB	J507(E5015), H10Mn2, TIG R40		
Q235B			N/A
20 [#]	J427(E4315), H08A, H08MnA		N/A
16Mn			J507(E5015), H10Mn2

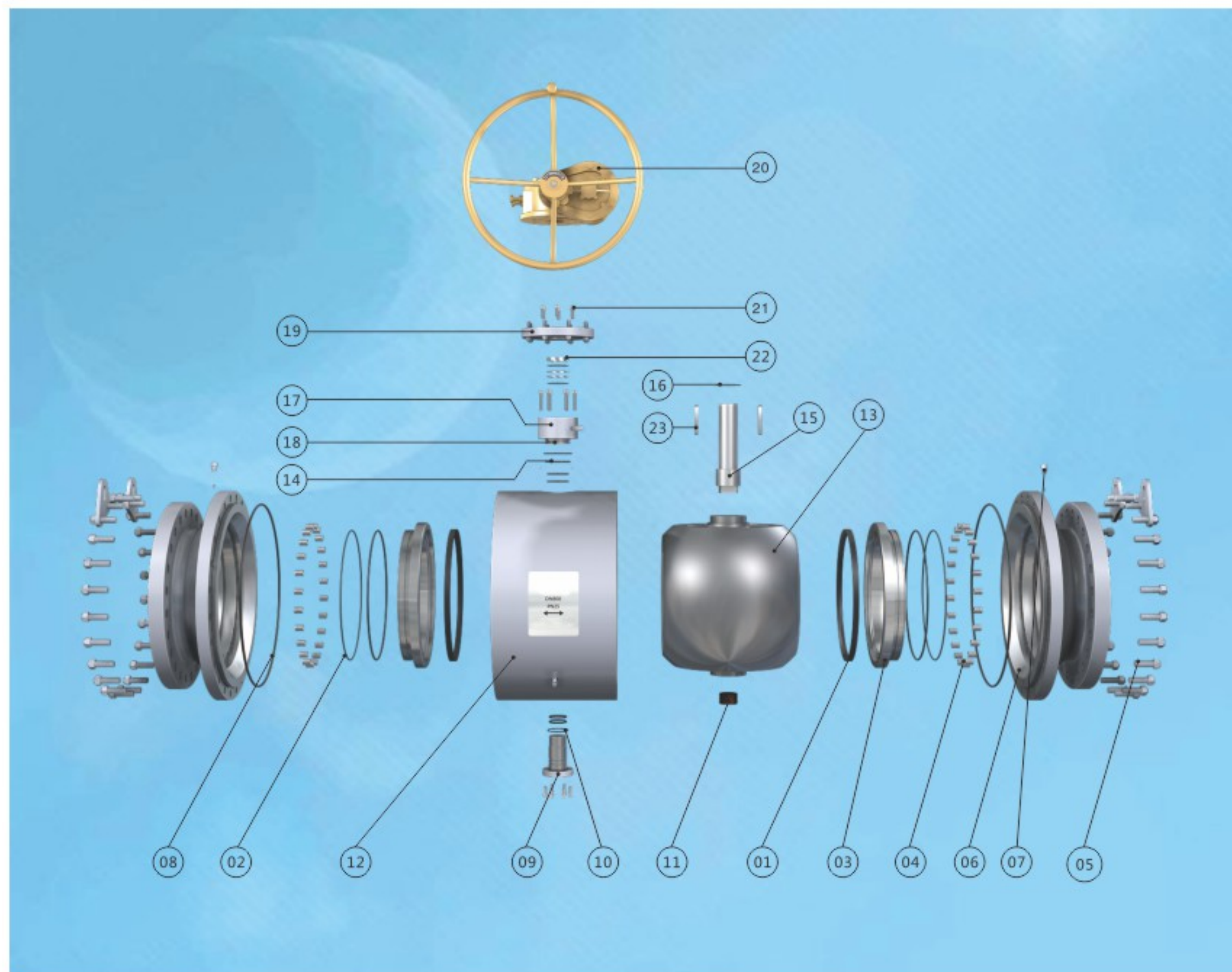
主要零件材料 Main Parts Material

零件名称	材料	Parts Name	Material
阀体	碳钢 ST 37.0	Body	Steel ST 37.0
法兰	碳钢 R ST 37-2	Flange	Steel R ST 37-2
焊接末端	碳钢 ST 37.0	Welding end	Steel ST 37.0
球体	不锈钢 CF8/AISI 304	Ball	Stainless steel CF8/AISI 304
氟橡胶	Viton [®]	Fluorine rubber	Viton [®]
阀座	PTFE, 20%C	Seat	PTFE, 20%C
备用垫圈	2Cr13	Back-up ring	2Cr13
蝶形垫片	65Mn	Disc spring	65Mn
垫圈	Viton [®]	Intermediate ring	Viton [®]
阀杆	2Cr13	Stem	2Cr13
耐磨块	PTFE, 20%C	Friction packing	PTFE, 20%C
O型圈	Viton [®]	O-ring	Viton [®]
O型圈	Viton [®]	O-ring	Viton [®]
平垫	碳钢 ST 37.0	Washer	Steel ST 37.0
垫料压套	碳钢 ST 37.0	Bedding set pressure	Steel ST 37.0
平台	碳钢 ST 37.0	Platform	Steel ST 37.0


主要外形及连接尺寸
Form Main Types and Connecting Dimension

(Class 150~300)

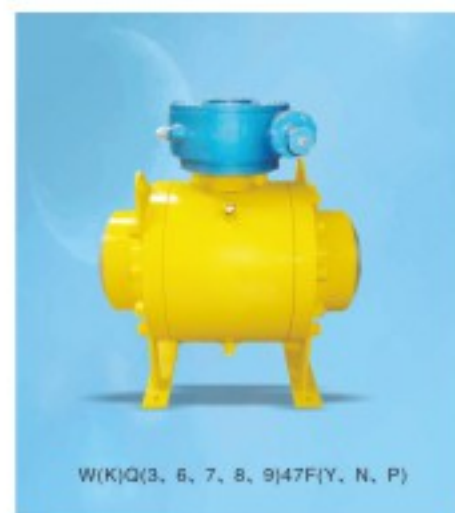
NPS(in)	L	D	H ₁	H	W	WT(kg)
2"	216	51	100	165	460	40
3"	283	76	110	190	460	70
4"	305	100	130	200	460	95
6"	457	150	176	270	460	180
8"	521	201	218	330	460	280
10"	559	252	270	380	600	440
12"	635	303	300	420	600	570
14"	762	337	340	450	600	800
16"	838	387	395	530	600	1480
20"	991	489	470	600	600	2400
24"	1143	591	580	680	600	4050
28"	1346	686	640	760	600	6460
32"	1524	781	730	870	600	7200
36"	1727	876	980	980	600	8700
40"	1956	978	1010	1040	600	12500



主要零件说明
Main Parts Specification

序号No.	零件名称 Part Name
01	O型圈 O-Ring
02	密封圈 Sealing ring
03	阀座 Seat
04	弹簧 Spring
05	螺栓 Bolt
06	左右体 Body
07	注脂阀 Grease injection valve
08	垫片 Gasket
09	下阀杆 Stem
10	垫片 Gasket
11	衬套 Bushing
12	阀体 Body
13	球体 Ball
14	衬套 Bushing
15	上阀杆 Stem
16	垫片 Gasket
17	阀盖 Bonnet
18	填料 Packing
19	支架 Yoke
20	驱动装置 Driving
21	连接套 Connection set
22	填料压盖 Gland
23	定位销 Fitting pin
24	排污堵头 Blow down stopple





W(K)Q(3, 6, 7, 8, 9)47F(Y, N, P)

技术规范 Technical specification

设计标准 Design Standard	GB/T 12237 GB/T 19672	API 6D
结构长度 Face to Face	GB/T 12221	API 6D ASME B16.10
法兰尺寸 Flanged Size	GB/T 9113 JB/T 79	ASME B16.5 ASME B16.47
检查与试验 Test & Inspection	JB/T 9092 GB/T 19672	API 598 API 6D

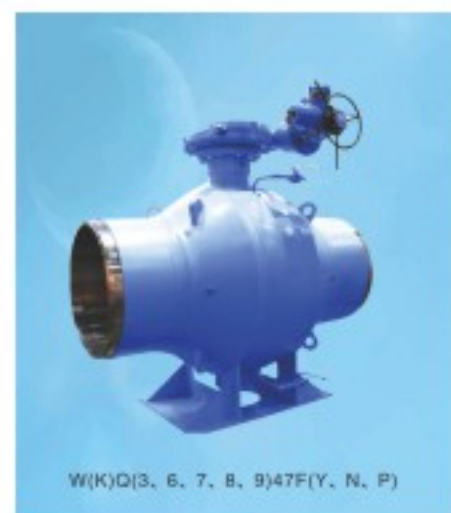
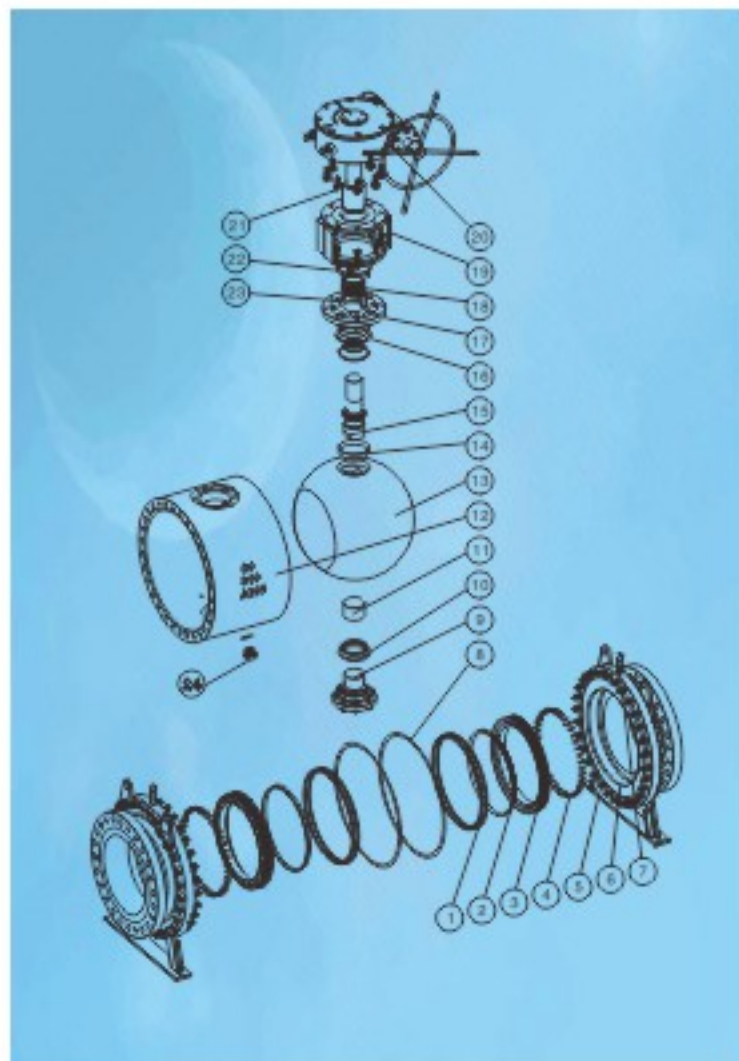
*注：1、系列阀门连接法兰尺寸可根据用户要求设计制造。
2、DN>1000(40")阀门设计标准按《长输管线阀门技术条件》
*Notes: 1. The sizes of serial valve connecting flange ends can be designed according to customer's requirement.
2. DN>1000(40"), the design standard is accordance with 《Specification of the length pipe valve》

主要零件材质 Form of Major Parts Materials

序号 No.	零件名称 Part name	材质 Materials	
		GB	ASTM
1	O型圈 "O" Ring	氟橡胶 Viton	氟橡胶 Viton
2	密封圈 Sealing ring	PTFE	PTFE
3	阀座 Seat	25	A105
4	弹簧 Spring	60Si2Mn	Inconel X-750
5	螺栓 Bolt	35CrMoA	A193-B7
6	左右体 Bonnet	WCB	A216-WCB
7	注脂阀 Grease injection valve	组合件 Assembled	组合件 Assembled
8	垫片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel	柔性石墨+不锈钢 Graphite+stainless steel
9	下阀杆 Stem	1Cr13	A182-F6a
10	垫片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel	柔性石墨+不锈钢 Graphite+stainless steel
11	衬套 Bushing	PTFE+镍青铜 PTFE+Nikealium	PTFE+镍青铜 PTFE+Nikealium
12	阀体 Body	25	A105
13	球体** Ball**	25+ENP	A105+ENP
14	衬套 Bushing	PTFE+镍青铜 PTFE+Nikealium	PTFE+镍青铜 PTFE+Nikealium
15	上阀杆 Stem	1Cr13	A182-F6a
16	垫片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel	柔性石墨+不锈钢 Graphite+stainless steel
17	阀盖 Cover	25	A105
18	填料 Packing	柔性石墨+不锈钢 Graphite+stainless steel	柔性石墨+不锈钢 Graphite+stainless steel
19	支架 Yoke	WCB	A216-WCB
20	驱动装置 Driving	组合件 Assembled	组合件 Assembled
21	连接套 Connection set	45	AISI C1045
22	填料压盖 Gland	WCB	A216-WCB
23	定位销 Filling pin	1Cr13	A276-410
24	排污堵头 Blow down stopple	25	A105

注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)**抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182-304、CF8+Ni.P)系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Notes: *The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9)、ASTM(A276-321)**The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182-304、CF8+Ni.P)Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



W(K)Q(3, 6, 7, 8, 9)47F(Y, N, P)

技术规范 Technical specification

设计标准 Design Standard	GB/T 12237 GB/T 19672	API 6D
结构长度 Face to Face	GB/T 12221	API 6D ASME B16.10
法兰尺寸 Flanged Size	GB/T 9113 JB/T 79	ASME B16.5 ASME B16.47
检查与试验 Test & Inspection	JB/T 9092 GB/T 19672	API 598 API 6D

*注：1、系列阀门连接法兰尺寸可根据用户要求设计制造。
2、DN>1000(40")阀门设计标准按《长输管线阀门技术条件》
*Notes: 1. The sizes of serial valve connecting flange ends can be designed according to customer's requirement.
2. DN>1000(40"), the design standard is accordance with 《Specification of the length pipe valve》

主要零件材质 Form of Major Parts Materials

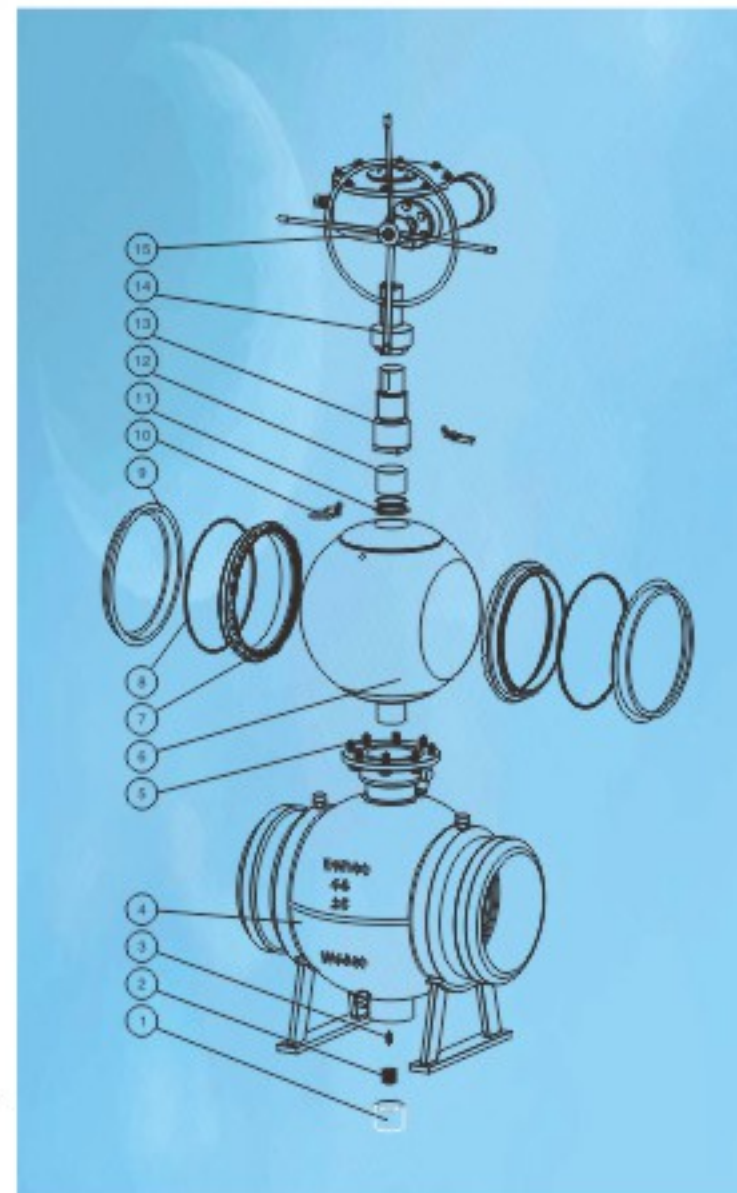
序号 No.	零件名称 Part name	材质 Materials	
		GB	ASTM
1	衬套 Bushing	PTFE+镍青铜 PTFE+Nikealium	PTFE+镍青铜 PTFE+Nikealium
2	螺钉 Machine screw	25	A105
3	弹簧 Spring	60Si2Mn	Inconel X-750
4	阀体 Body	25	A105
5	螺栓 Bolt	35CrMoA	A193-B7
6	球体** Ball**	WCB+ENP	A216-WCB+ENP
7	阀座 Seat	25	A105
8	密封圈 Sealing ring	PTFE	PTFE
9	碟簧 Dish spring	60Si2Mn	AISI 9260
10	阀座密封装置 Device for seat rotating	组合件 Assembled	
11	阀杆密封圈 Sealing ring for stem	PTFE	PTFE
12	衬套 Bushing	PTFE+镍青铜 PTFE+Nikealium	PTFE+镍青铜 PTFE+Nikealium
13	上阀杆 Stem	1Cr13	A182-F6a
14	连接套 Connection set	45	AISI C1045
15	驱动装置 Driving	组合件 Assembled	

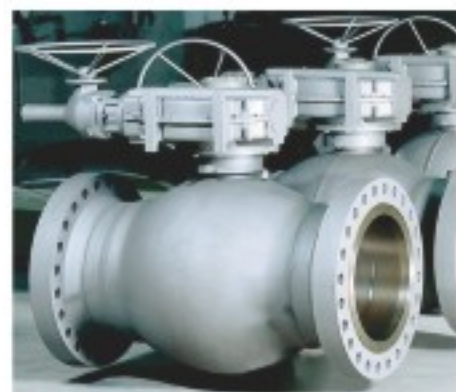
注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)

**抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182-304、CF8+Ni.P)系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Notes: *The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9)、ASTM(A276-321)

**The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182-304、CF8+Ni.P)Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.





W(K)Q(3、6、7、8、9)47F(Y、N、P)

技术规范 Technical specification

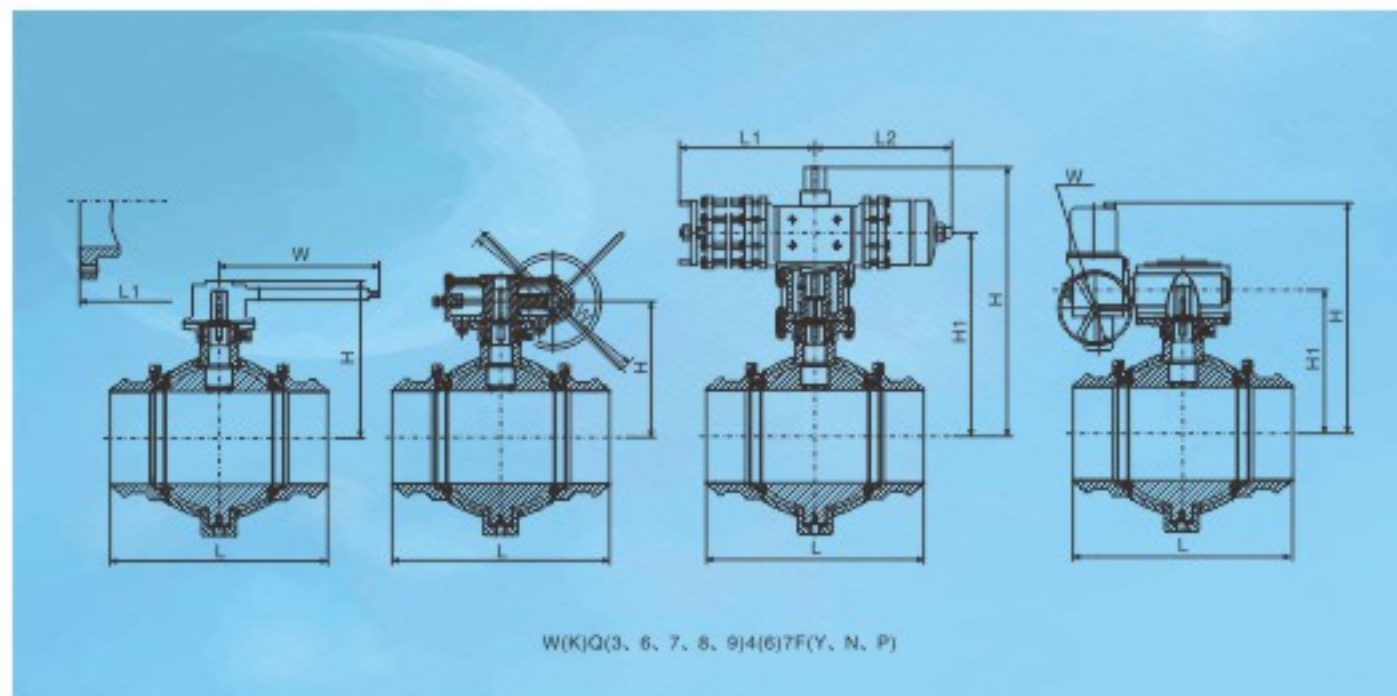
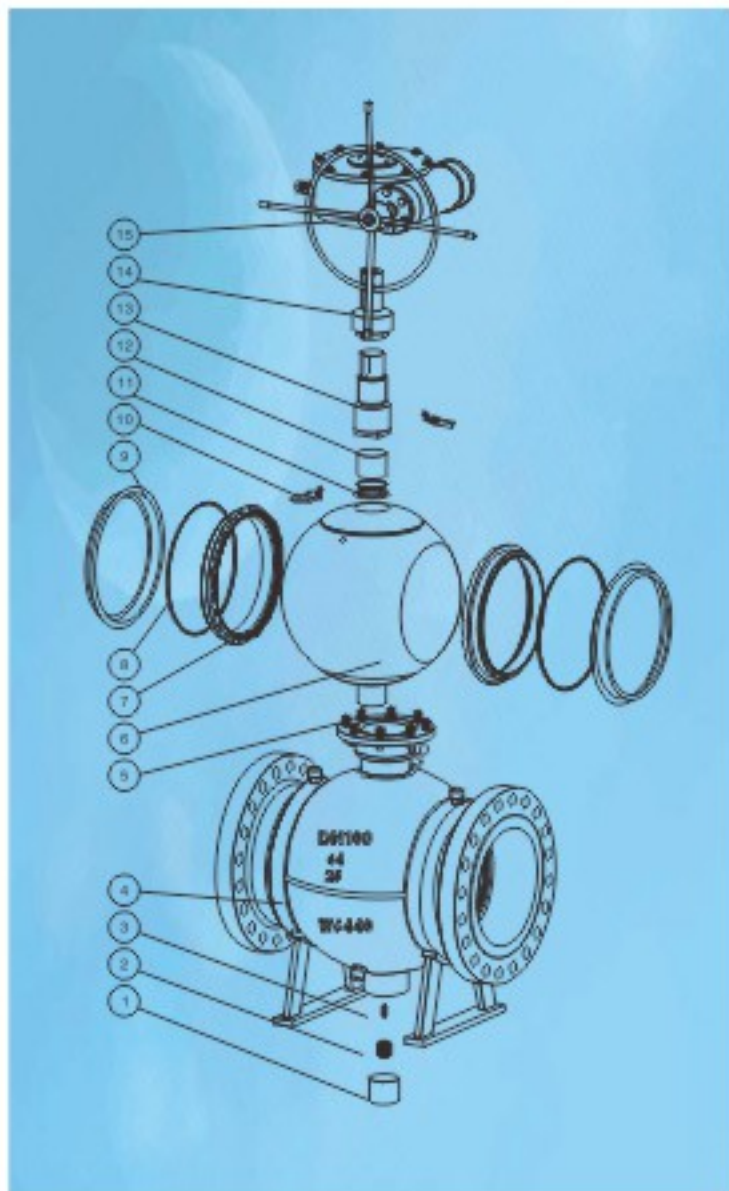
设计标准 Design Standard	GB/T 12237 GB/T 19672	API 6D
结构长度 Face to Face	GB/T 12221	API 6D ASME B16.10
法兰尺寸 Flanged Size	GB/T 9113 JB/T 79	ASME B16.5 ASME B16.47
检查与试验 Test & Inspection	JB/T 9092 GB/T 19672	API 598 API 6D

*注：1、系列阀门连接法兰端尺寸可根据用户要求设计制造。
2、DN>1000(40")阀门设计标准按《长输管线阀门技术条件》
*Notes: 1. The sizes of serial valve connecting flange ends can be designed according to customer's requirement.
2. DN>1000(40"), the design standard is accordance with 《Specification of the length pipe valve》

主要零件材质 Form of Major Parts Materials

序号 No.	零件名称 Part name	材质 Materials	
		GB	ASTM
1	衬套 Bushing	PTFE&锡青铜 PTFE&Niessium	PTFE&锡青铜 PTFE&Niessium
2	螺钉 Machine screw	25	A105
3	弹簧 Spring	60Si2Mn	Inconel X-750
4	阀体 Body	25	A105
5	螺栓 Bolt	35CrMoA	A193-B7
6	球体** Ball**	WCB+ENP	A216-WCB+ENP
7	阀座* Seat*	25	A105
8	密封圈 Sealing ring	PTFE	PTFE
9	碟簧 Dish spring	60Si2Mn	AISI 9260
10	阀座旋转驱动装置 Device for seat rotating	组合件 Assembled	
11	阀杆密封圈 Sealing ring for stem	PTFE	PTFE
12	衬套 Bushing	PTFE&锡青铜 PTFE&Niessium	PTFE&锡青铜 PTFE&Niessium
13	上阀杆* Stem*	1Cr13	A182-F6a
14	连接套 Connection set	45	AISI C1045
15	驱动装置 Driving	组合件 Assembled	

注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)
**抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、
ASTM(A182-304、CF8+Ni.P)
系列阀门主要零部件及密封圈的材质可根据实际工况条件或用户
特殊要求设计选用。
Notes: *The material of this part about the anti-sulphur type valve is
GB(1Cr18Ni9)、ASTM(A276-321)
**The material of this part about the anti-sulphur type valve is GB
(1Cr18Ni9、CF8+Ni.P)、ASTM(A182-304、CF8+Ni.P)
Major parts of the valve series and materials of sealing surface
differ according to actual working condition and customer's special
requirement.



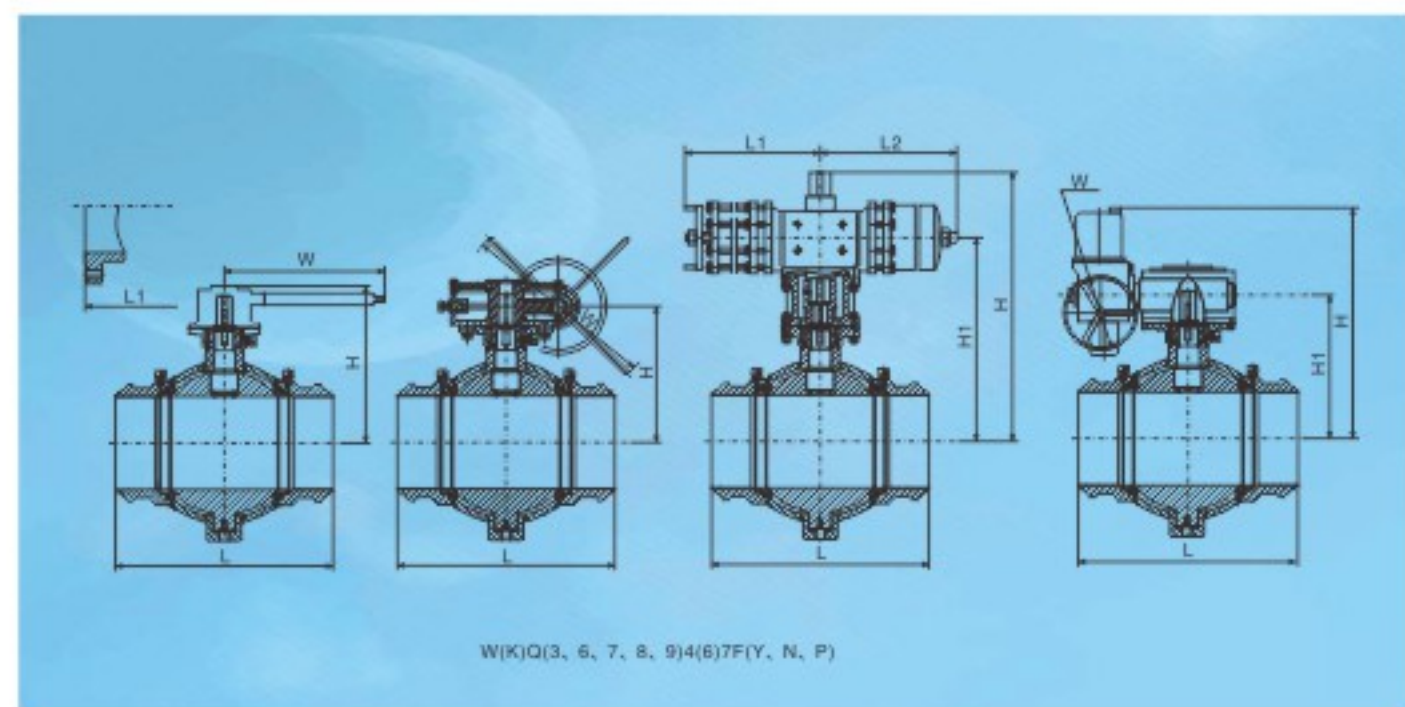
W(K)Q(3、6、7、8、9)4(6)7F(Y、N、P)

主要外形及连接尺寸

Form Main Types and Connecting Dimension

PN1.6MPa CLASS 150

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1348	1524	1727	1930	1829	2180	2300	2400
对焊 But Welding	L1	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1689	2100	2250	2400
手动 Hand- Operated	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	350	400	450	700	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	23	42	50	65	70	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	-	-	-	337	385	414	447	510	538	585	665	730	930	990	1070	1260	1370	1480	1550
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	kg	-	-	-	-	-	-	133	208	312	413	577	780	1028	1708	2534	3644	4986	6800	8500	11173	12300	15800
气动 Air- Operating	H	269	379	389	479	552	666	804	839	972	1127	1459	1529	1599	1645	1160	1460	1510	1610	-	-	-	-
	H1	174	248	258	322	395	457	595	630	728	883	1154	1224	1294	915	930	1100	1150	1250	-	-	-	-
	L1	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
	L2	181	257	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
	kg	40	50	72	80	110	130	180	300	350	450	610	820	1100	1900	2600	4000	5100	7200	-	-	-	-
电动 Electric Driving	H	-	-	-	-	-	435	480	532	600	610	670	760	763	903	982	1108	1445	1655	1954	2064	2174	2244
	H1	-	-	-	-	-	215	262	315	320	360	420	510	590	630	725	835	880	970	1230	1340	1450	1520
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600
	kg	-	-	-	-	-	145	196	310	360	475	625	880	1200	2100	2750	4230	6000	7800	9000	12500	14000	17000



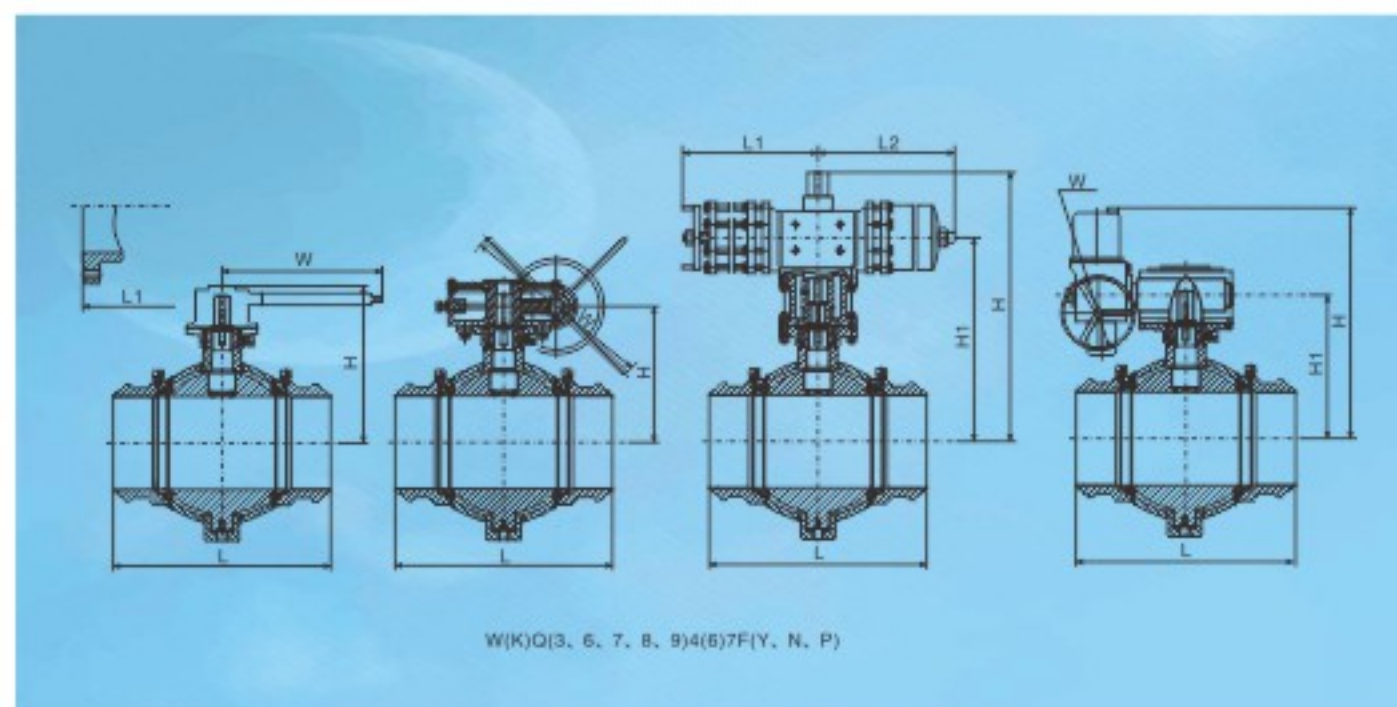
W(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)

主要外形及连接尺寸

Form Main Types and Connecting Dimension

PN2.5, 4.0MPa CLASS 300

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	2083	2050	2180	2300	2400
对焊 Butt Welding	L1	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	2400
手动 Hand- Operated	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	600	750	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	32	48	65	75	82	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	-	-	-	278	375	460	465	510	538	660	830	880	930	990	1070	1260	1370	1480	1550
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	kg	-	-	-	-	-	-	152	242	376	489	708	950	1247	2066	3101	4374	6050	8185	9500	13413	14200	17500
气动 Air- Operating	H	269	379	452	579	595	595	736	942	994	1188	1280	1480	1554	1380	1430	1599	1790	1850	-	-	-	-
	H1	209	248	295	322	386	386	527	698	750	883	975	1080	1154	930	980	1149	1190	1250	-	-	-	-
	L1	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
	L2	181	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
	kg	49	64	70	82	112	145	220	310	395	510	752	1000	1320	2200	3200	4520	6500	9100	-	-	-	-
电动 Electric Driving	H	-	-	-	-	-	434	480	432	641	611	670	781	763	903	998	1108	1565	1655	2105	2245	2395	2470
	H1	-	-	-	-	-	217	263	315	360	360	420	510	590	670	725	835	880	970	1420	1560	1710	1785
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	460	460	460	600	600	600	600
	kg	-	-	-	-	-	170	290	330	415	525	780	1200	1380	2400	3500	4630	6850	10500	11000	14000	15200	18100



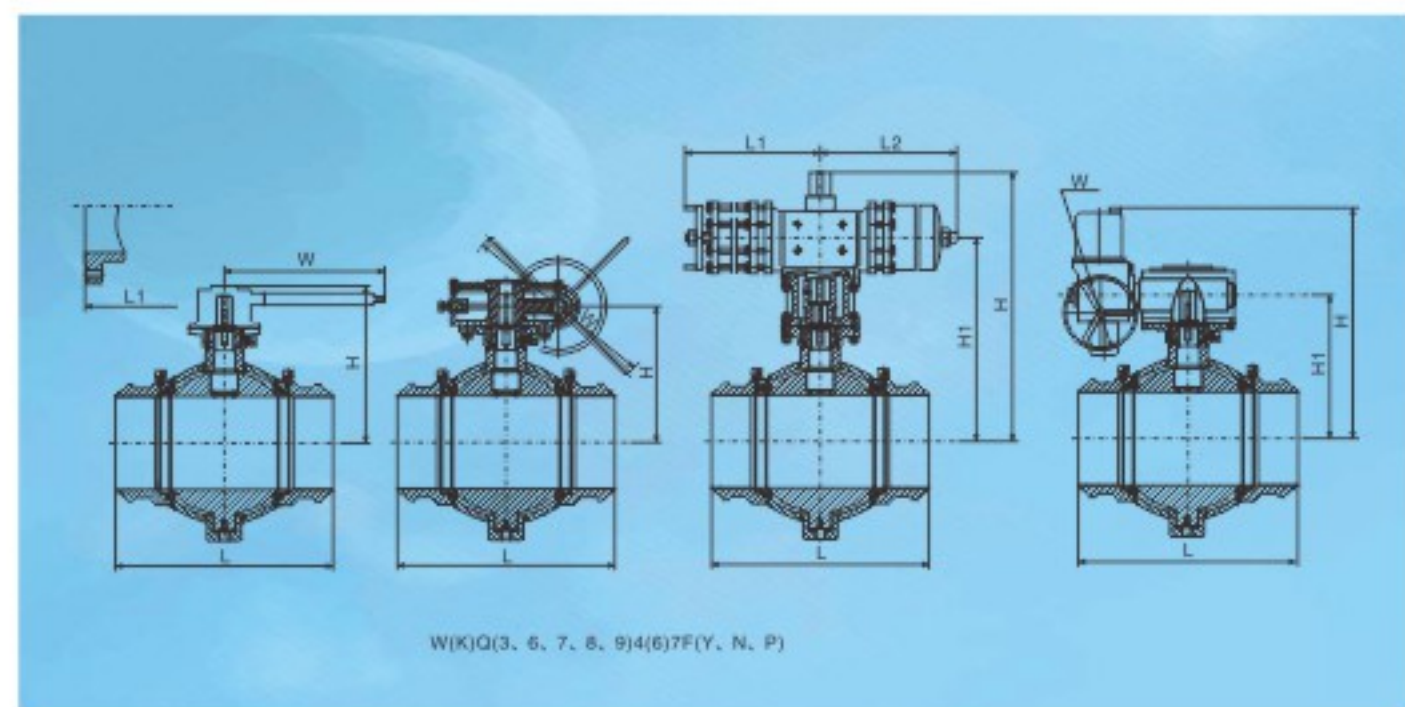
W(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)

主要外形及连接尺寸

Form Main Types and Connecting Dimension

PN6.4MPa CLASS 400

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2057	2400	2400	2700
对焊 Butt Welding	L1	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2050	2180	2300	2400
手动 Hand- Operated	H	108	155	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	38	52	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	115	180	254	325	392	390	455	590	-	759	836	915	987	1212	1260	1370	1480	1550
	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	kg	-	-	-	88	105	169	260	420	525	820	1120	1400	2400	3400	4800	7200	9600	11500	16000	18000	22000
气动 Air- Operating	H	269	-	519	636	728	839	1014	1120	1225	1675	-	1675	1945	1945	-	-	-	-	-	-	-
	H1	209	-	295	322	386	527	698	750	883	1080	-	1080	980	980	-	-	-	-	-	-	-
	L1	148	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-
	L2	257	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-
	kg	55	-	85	96	142	200	315	425	580	820	-	1450	2520	3800	-	-	-	-	-	-	-
电动 Electric Driving	H	-	-	-	-	434	480	432	640	611	671	761	763	903	998	1108	1260	1505	1954	2064	2174	2244
	H1	-	-	-	-	217	262	360	400	434	472	510	590	630	725	835	960	1205	1230	1340	1450	1520
	W	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
	kg	-	-	-	-	172	235	340	465	600	850	1200	1500	2600	4200	5200	7900	9500	12500	17500	19000	23500

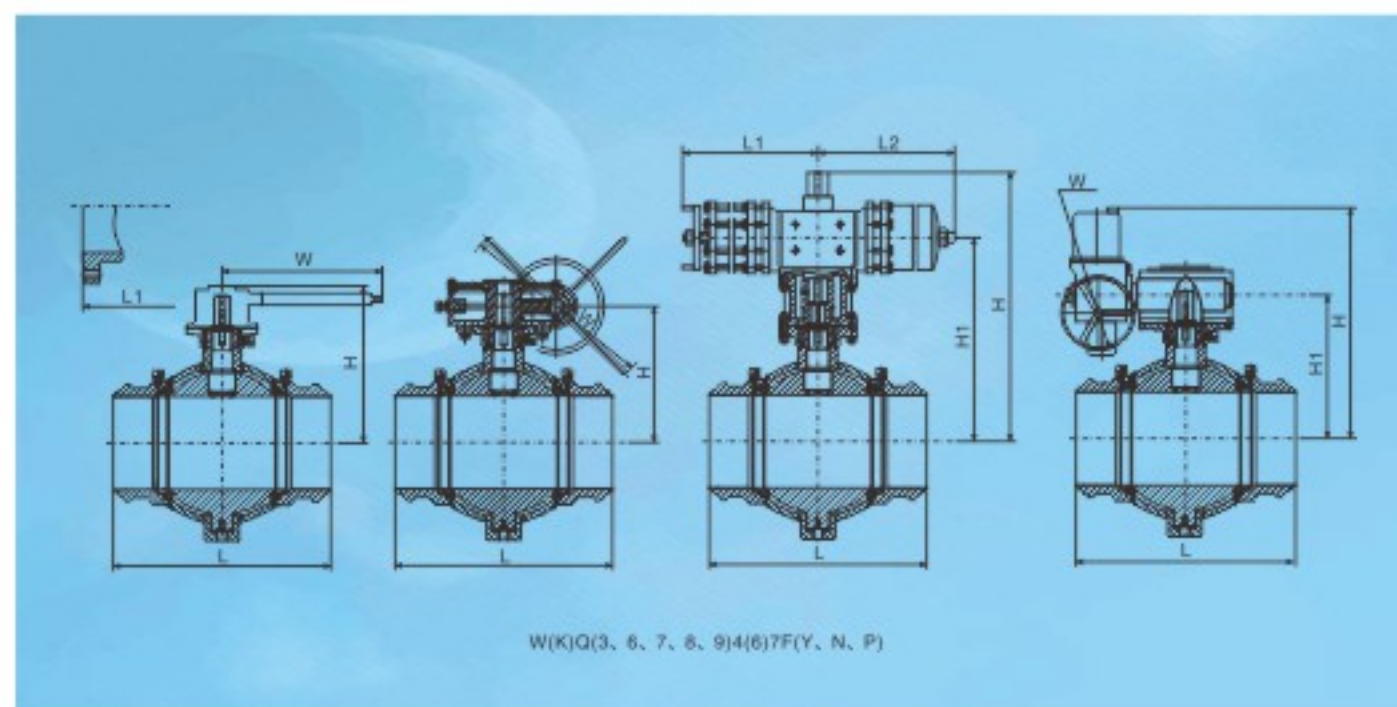


主要外形及连接尺寸

Form Main Types and Connecting Dimension

PN10.0MPa CLASS 600

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2100	2400	2400	2700
对焊 Butt Welding	L1	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2050	2180	2300	2400
手动 Hand- Operated	H	108	155	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	500	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	45	60	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	115	180	254	325	392	390	455	590	630	830	960	1030	1171	1250	1260	1370	1480	1550
	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	kg	-	-	-	95	116	189	296	466	597	860	1154	1568	2613	3841	5508	7597	10370	12500	17136	21000	23400
气动 Air- Operating	H	269	-	519	636	728	839	1014	1120	1224	1374	-	1490	1615	1760	-	-	-	-	-	-	-
	H1	209	-	295	479	519	595	770	815	1004	1154	-	1210	1335	1410	-	-	-	-	-	-	-
	L1	148	-	287	287	378	530	530	680	1455	1455	-	1665	1665	1960	-	-	-	-	-	-	-
	L2	257	-	287	287	378	530	530	680	1455	1455	-	1665	1665	1960	-	-	-	-	-	-	-
	kg	60	-	105	112	160	220	320	470	610	890	-	1600	2700	4000	-	-	-	-	-	-	-
电动 Electric Driving	H	-	-	-	-	480	532	641	651	670	761	783	943	998	1108	1238	1350	1400	1954	2064	2174	2244
	H1	-	-	-	-	262	360	400	474	472	510	610	670	725	835	915	1050	1100	1230	1340	1450	1520
	W	-	-	-	-	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600	600
	kg	-	-	-	-	175	240	350	495	625	920	1200	1820	2900	4350	5800	8200	11200	14100	19000	23000	24000



主要外形及连接尺寸

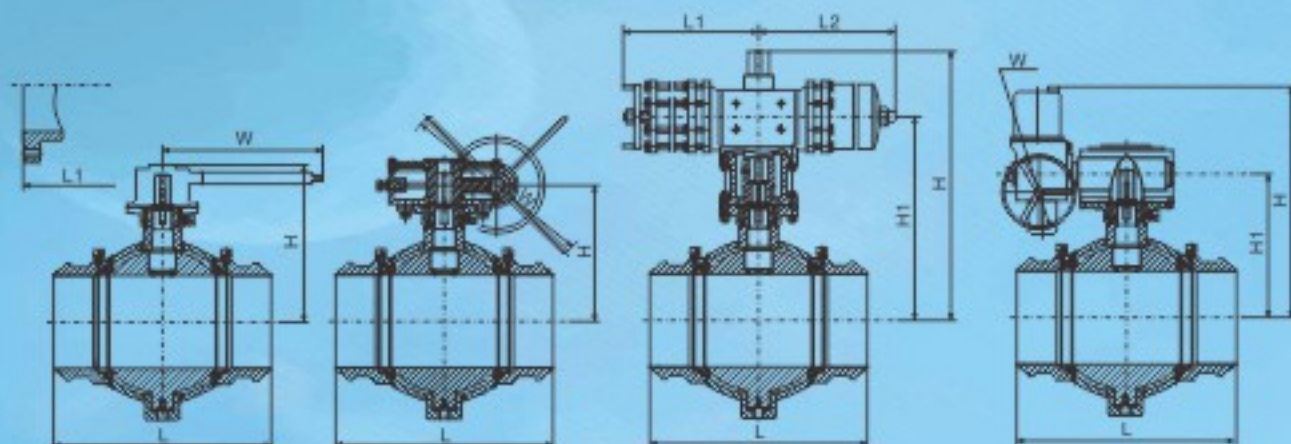
Form Main Types and Connecting Dimension

PN15.0MPa CLASS 900

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	800	900	1000	1050	1200
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	32	36	40	42	48
法兰 Flange	L	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	1780	2050	2050	2180	2600
对焊 Butt Welding	L1	368	419	381	457	610	737	838	965	1029	1130	1219	1321	1549	1700	1780	1960	2100	2376
手动 Hand- Operated	H	217	241	259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	650	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	58	76	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	177	244	274	382	452	515	602	706	714	736	1050	1090	1150	1230	1350
	W	-	-	-	600	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	kg	-	-	-	115	125	225	377	559	776	1124	1503	2049	3351	6008	7147	9908	11500	19000
气动 Air- Operating	H	519	-	728	842	1014	1120	1224	1374	1490	1615	1760	1760	1760	-	-	-	-	-
	H1	295	-	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-	-	-	-	-
	L1	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	-	-	-
	L2	287	-	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-	-	-	-	-
	kg	70	-	115	125	165	240	390	620	790	1240	1700	2250	3420	-	-	-	-	-
电动 Electric Driving	H	-	-	-	480	641	651	711	811	783	963	1058	1148	1238	1744	1784	1844	1924	2044
	H1	-	-	-	262	400	474	512	550	610	690	785	875	915	1020	1060	1120	1200	1320
	W	-	-	-	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600
	kg	-	-	-	128	175	265	395	635	812	1320	1750	2350	3560	4200	6100	11800	12500	20000

锻钢小口径阀门系列

FORGED STEEL SMALL DIAMETER VALVE SERIES



W(K)Q(3, 6, 7, 8, 9)4(6)7F(Y, N, P)

主要外形及连接尺寸

Form Main Types and Connecting Dimension

PN25.0MPa CLASS 1500

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600
NPS	in	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24
法兰 Flange	L	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	2043
对焊 Butt Welding	L1	368	419	470	546	705	832	991	1130	1257	1384	1537	1664	2043
手动 Hand- Operated	H	217	241	259	-	-	-	-	-	-	-	-	-	-
	W	650	650	650	-	-	-	-	-	-	-	-	-	-
	kg	75	82	105	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	137	161	169	177	244	355	458	576	601	671	740	770	860
	W	600	600	600	600	800	800	800	800	800	800	800	800	800
	kg	85	98	115	125	145	240	395	610	820	1250	1680	2400	3580
气动 Air- Operating	H	519	728	842	1014	1120	1224	1374	1490	1615	1760	1760	1760	-
	H1	295	519	595	770	815	1004	1154	1210	1335	1410	1410	1410	-
	L1	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	L2	287	378	530	530	680	1455	1455	1665	1665	1960	1960	1960	-
	kg	95	115	120	145	180	290	420	700	8890	1300	1820	2610	-
电动 Electric Driving	H	-	-	542	641	651	711	801	823	965	1058	1168	1238	-
	H1	-	-	370	400	474	512	550	650	690	785	895	915	-
	W	-	-	200	280	280	280	305	305	305	400	400	600	-
	kg	-	-	142	160	196	320	452	850	910	1420	1960	2820	-

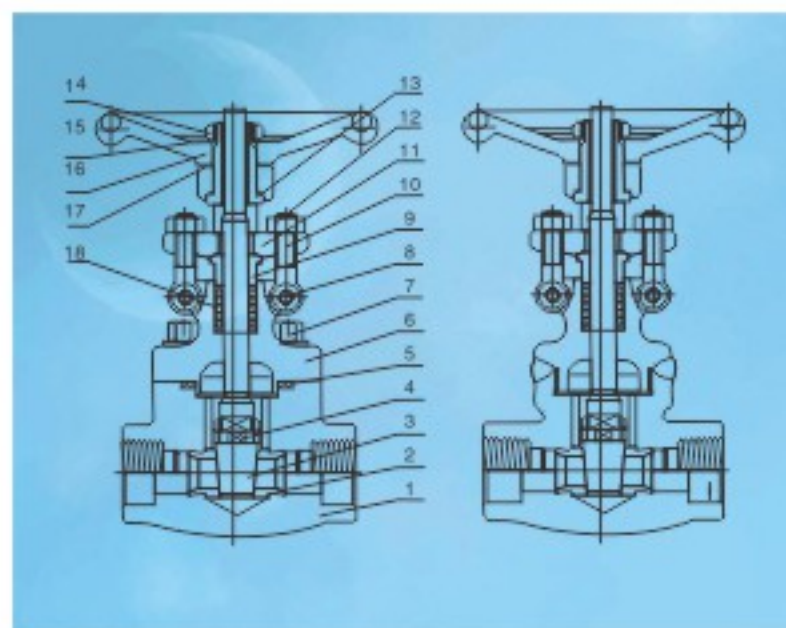
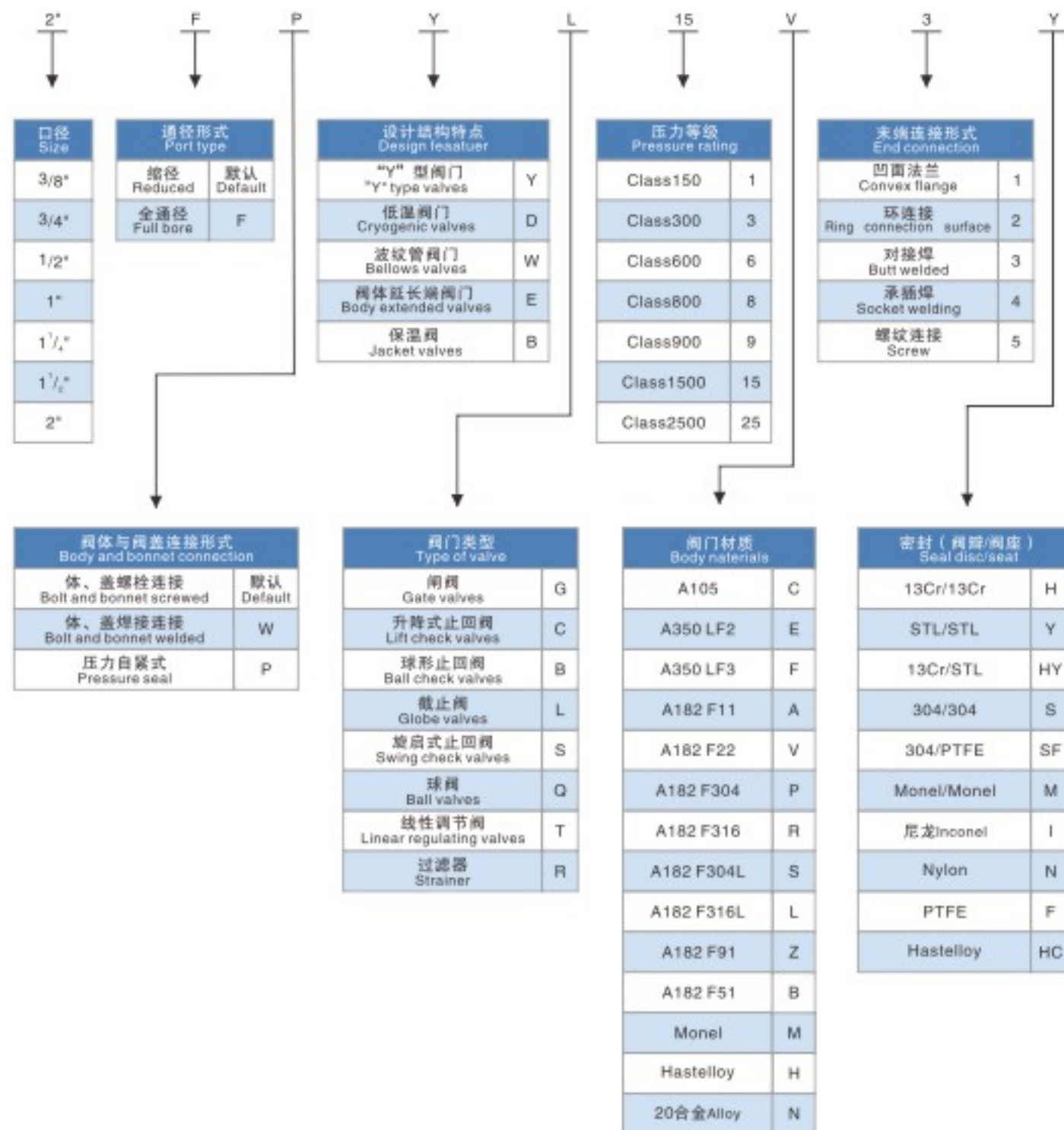


当您询问或订购我们的阀门时不必详细了解我们的阀门订货号编制系统。只要您能提供了您能所选阀门的充分描述,我们的销售部门就可以将其翻译成相应的阀门订货号。所选阀门的充分描述应该从阀门类型开始的,接着就是阀门口径、压力等级、两端连接形式、密封面材质或根据API 602所规定的内件号等等。

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

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

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



应用规范 Application standards

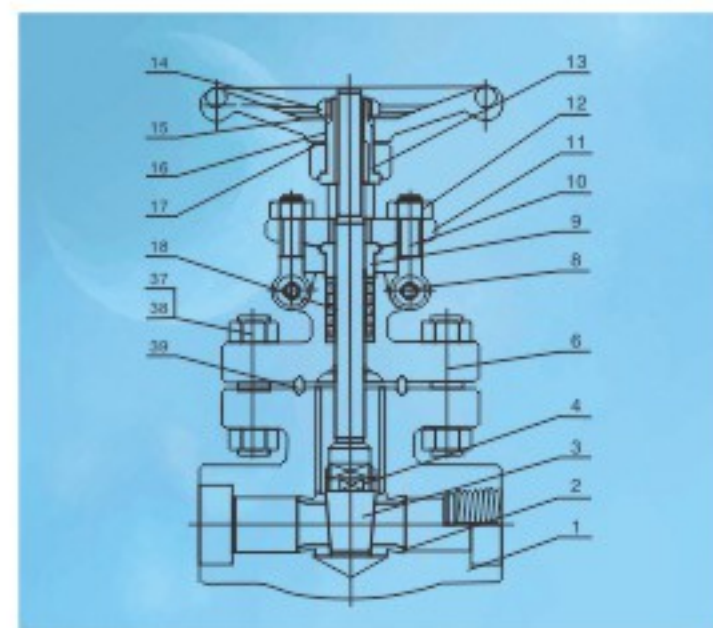
- 设计制造Design and manufacture conform to: API 602, BS5352, ANSI B16.34;
- 连接端尺寸Connection ends conform to: 1)承插口尺寸按Socket welded dimension conform to ANSI B16.11;JB/T1751 2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1;JB/T7306 3)对接端尺寸按Butt-welded conform to ANSI B16.25;JB/T12224 4)法兰端尺寸按Flanged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

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	L11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	闸板Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓Bolt	B7	B7	L7	B16	B8(M)	B8(M)	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



应用规范 Application standards

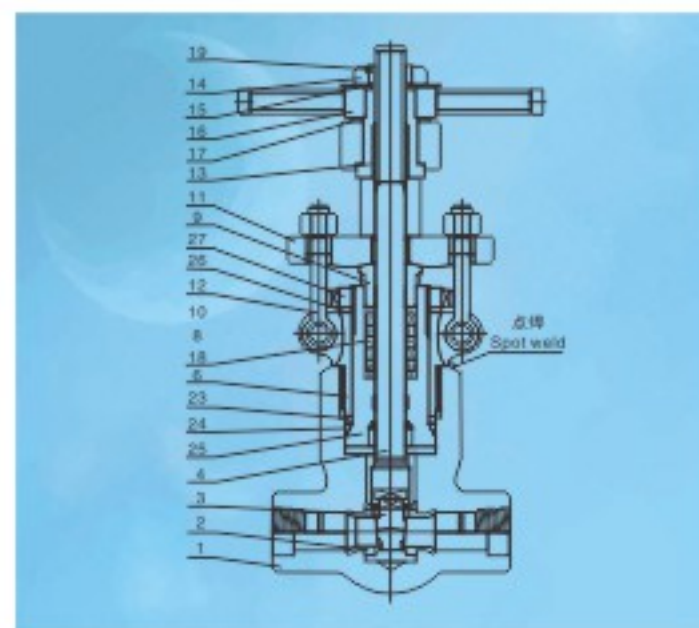
- 1、设计制造Design and manufacture conform to:
API 602; BS5352; ANSI B16.34;
- 2、连接端尺寸Connection ends conform to:
1)承插口尺寸按Socket welded dimension conform to ANSI B16.11; JB/T1751
2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1; JB/T7306
3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
4)法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

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	L11/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	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)	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
37	双头螺栓Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
38	螺母Nut	2H	2H	8	8	8(M)	8(M)	8(M)
39	金属环Metal ring	304	304	304	304	304(L)	316(L)	F51



应用规范 Application standards

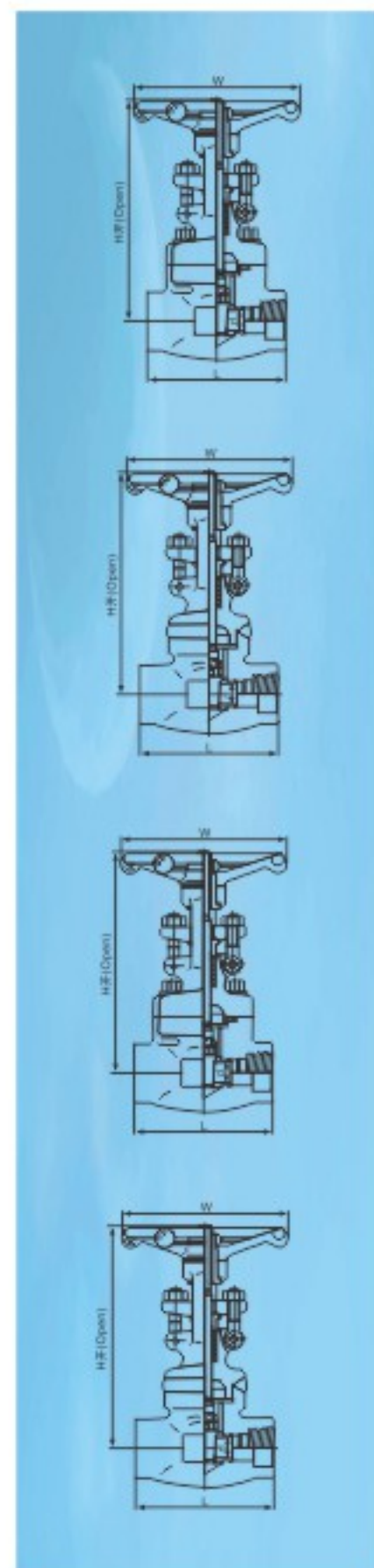
- 1、设计制造Design and manufacture conform to:
API 602; BS5352; ANSI B16.34;
- 2、连接端尺寸Connection ends conform to:
1)承插口尺寸按Socket welded dimension conform to ANSI B16.11; JB/T1751
2)螺纹端尺寸按Screw ends dimension conform to ANSI B1.20.1; JB/T7306
3)对焊端尺寸按Butt-welded conform to ANSI B16.25; JB/T12224
4)法兰端尺寸按Flanged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

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	L11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体Body	A105	A105	LF2	F11	F304(L)	F316(L)	F91
2	阀座Seat	410	410HF	304	410HF	304(L)	316(L)	410HF
3	闸板Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F6aHF
4	阀杆Stem	410	410	304	410	304(L)	316(L)	410
6	阀盖Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
8	销Pin	410	410	410	410	304	304	410
9	填料压套Gland	410	410	304	410	304	316	410
10	活节螺栓Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
11	填料压盖Gland flange	A105	A105	LF2	F11	F304	F304	F91
12	六角螺母Hex nut	2H	2H	2H	2H	8(M)	8(M)	8()
13	阀杆螺母Stem nut	410	410	410	410	410	410	410
14	锁紧螺母Locking nut	35	35	35	35	35	35	35
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮Handwheel	A197	A197	A197	A197	A197	A197	A190
17	润滑垫片Lubricating gasket	410	410	410	410	410	410	410
18	填料Packing	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite	石墨Graphite
19	紧定螺钉Stop nut	35	35	35	35	35	35	35
23	密封圈垫片Seal gasket	420	420	304	304	304(L)	316(L)	420
24	自密封圈P.S.ring	304	304	304	304	304	316	316
25	自密封座P.S.seat	420	420	304	304	304(L)	316(L)	F91
26	螺母垫块Nut pad	410	410	410	410	410	410	410
27	拉紧螺母Packing nut	碳钢 Cast steel	碳钢 Cast steel	碳钢 Cast steel	碳钢 Cast steel	不锈钢 Stainless steel	不锈钢 Stainless steel	碳钢 Cast steel



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

CL800

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

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

CL800

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

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

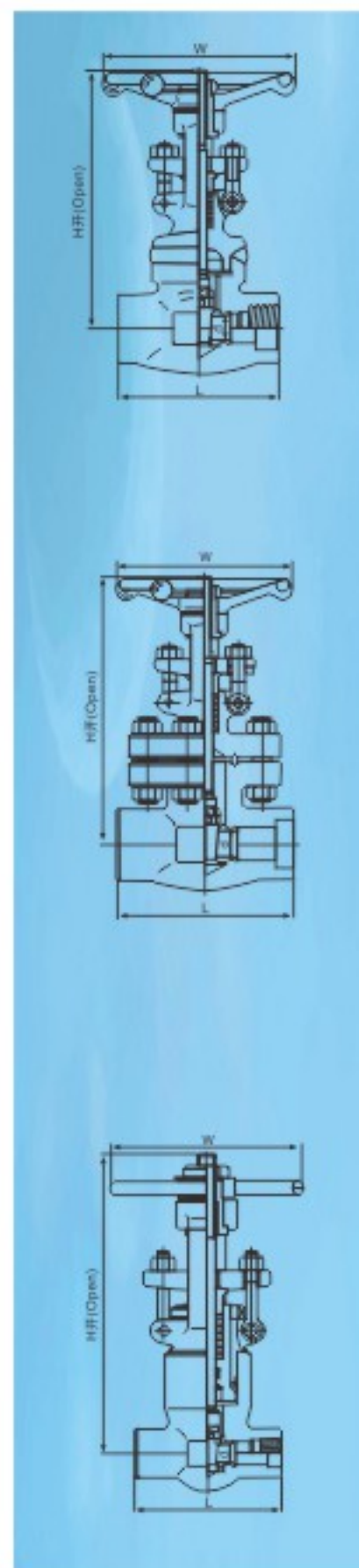
CL900-CL1500

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	111	111	120	120	140	178	180	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	220	-
中心高度(开)(mm)Height	H	191	191	192	219	243	296	316	370	-
流道孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
重量Weight (Kg)		2.4	4.3	4.4	6	7.2	11.4	16	23	-

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

CL900-CL1500

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



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

CL2500

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

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

CL1500-CL2500

规格(NPS) Specification	F.P		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	CL1500	110	150	150		210	235	
		CL2500	150	150	210		235	235	
手轮直径(mm) Handwheel diameter	W	CL1500	110	130	130		180	250	
		CL2500	130	130	250		300	300	
中心高度(开)(mm) Height	H	CL1500	277	300	390		400	435	
		CL2500	293	300	390		435	435	
流道孔径(mm) Flow port dimension	d	CL1500	14	17	22		35	37	
		CL2500	14	14	14		25	30	
重量Weight (Kg)		CL1500	5.1	11	12.1		22	37	
		CL2500	11	11.3	22.4		38	38	

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

CL1500-CL2500

规格(NPS) Specification	F.P		3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	CL900-1500	140	140	140	140	178	178	216
		CL2500	186	186	186	186	232	232	279
手轮直径(mm) Handwheel diameter	W	CL900-1500	200	200	200	200	280	280	300
		CL2500	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	CL900-1500	318	318	318	322	467	468	540
		CL2500	325	325	325	327	467	468	540
流道孔径(mm) Flow port dimension	d	CL900-1500	14	14	14	19	25	30	36.5
		CL2500	14	14	14	19	25	30	36.5
重量Weight (Kg)		CL900-1500	11.5	11.5	10.8	10.5	19.6	21.0	55.4
		CL2500	10.8	11.6	12.3	12.3	26.0	28.4	60.0

螺栓连接闸阀，缩径，明杆支架(OS&Y)
Bolted bonnet, reducing port outside screw and yoke (OS&Y)
末端连接为法兰或对焊连接，设计按API 602/BS5352
Flange-welded or butt-welded ends; design to API 602/BS5352

CL150-300-600

规格Specification(NPS)			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	178	190
	CL300		-	-	140	152	165	178	190	216	241
	CL600		-	-	165	190	216	229	241	292	330
手轮直径(mm) Handwheel diameter	W		-	-	100	100	125	160	160	180	200
中心高度(开)(mm) Height	CL150	H	-	-	176	184	217	226	250	290	357
	CL300, CL600		-	-	161	163	196	226	250	290	357
流通孔径(mm) Flow port dimension	d		-	-	10	13.5	18	24	29	36.5	45
重量(Kg) Weight	CL150	RF	-	-	3.4	3.98	6.12	7.2	10.4	15.5	24.5
		BW	-	-	2.8	3.3	5.4	6.5	8.2	12.5	20
	CL300	RF	-	-	3.77	4.89	7.23	9.6	12.64	18	26.2
		BW	-	-	3.5	4.4	6.8	8.1	9.2	15.4	22
	CL600	RF	-	-	4.2	5.8	8.8	12.1	15.6	19.5	32
		BW	-	-	4.5	5.1	8.2	10.5	12.4	20.1	28

注：如需法兰和闸阀一体式设计的请与销售人员联系。
Flange integrity Forged Steel Valve enquiry please contact sales department.

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

CL900-CL1500

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

注：如需法兰和闸阀一体式设计的请与销售人员联系。
Flange integrity Forged Steel Valve enquiry please contact sales department.

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

CL2500

规格Specification(NPS)			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)	L(RTJ)	-	-	264	273	308	-	384	451
		L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Handwheel diameter	W		-	-	125	160	160	-	200	240
中心高度(开)(mm) Height	H		-	-	207	240	258	-	355	370
流通孔径(mm) Flow port dimension	d		-	-	13.5	13.5	19	-	30	36.5
重量Weight (Kg)			-	-	19.5	21.5	42	-	65	95

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

CL2500

规格Specification(NPS)			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)	L(RTJ)	-	-	264	273	308	-	384	451
		L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Handwheel diameter	W		-	-	200	200	200	-	280	300
中心高度(开)(mm) Height	H		-	-	325	325	327	-	478	540
流通孔径(mm) Flow port dimension	d		-	-	13.5	13.5	19	-	30	36.5
重量Weight (Kg)			-	-	14.6	16.8	17.6	-	25	31.9



※螺栓闸盖
※明杆支架
※双填料
※隔环
※注射阀
※刚性闸板

※Welded bonnet
※OS&Y
※Packing
※Distance ring
※Injector sealing gum valves
※Solid wedge



※螺栓闸盖
※明杆支架
※管帽连接
※刚性闸板

※Bolted bonnet
※OS&Y
※Cap fitting connection
※Solid wedge



※螺栓闸盖
※明杆支架
※双头管接
※刚性闸板

※Bolted bonnet
※OS&Y
※Double end pipe connection
※Solid wedge



※螺栓闸盖
※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/闸盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7

放空导淋阀 For venting and/or releasing 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/闸盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7

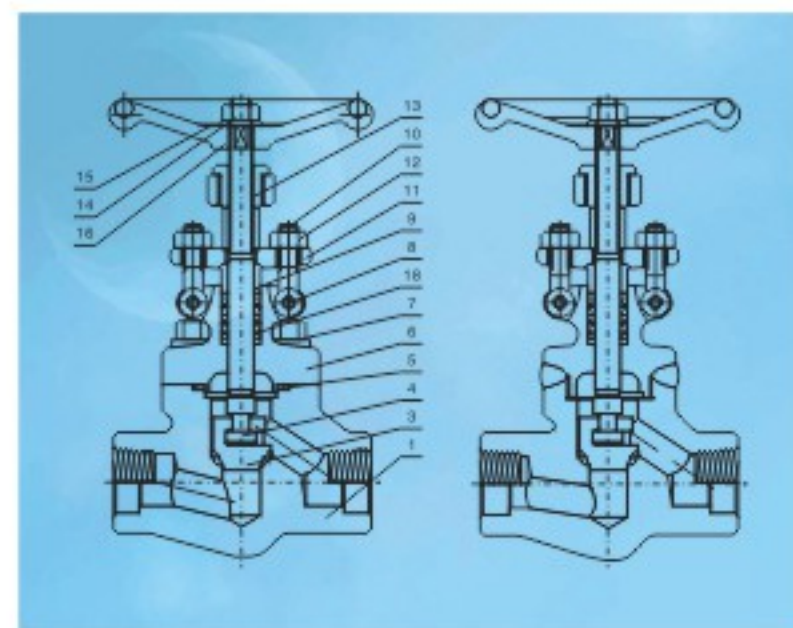
管接阀门 Coupling pipe valves

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/闸盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7

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

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/闸盖 Body/bonnet	内件 Trim	螺栓 Bolt
		碳钢 Cast steel	13Cr	B7



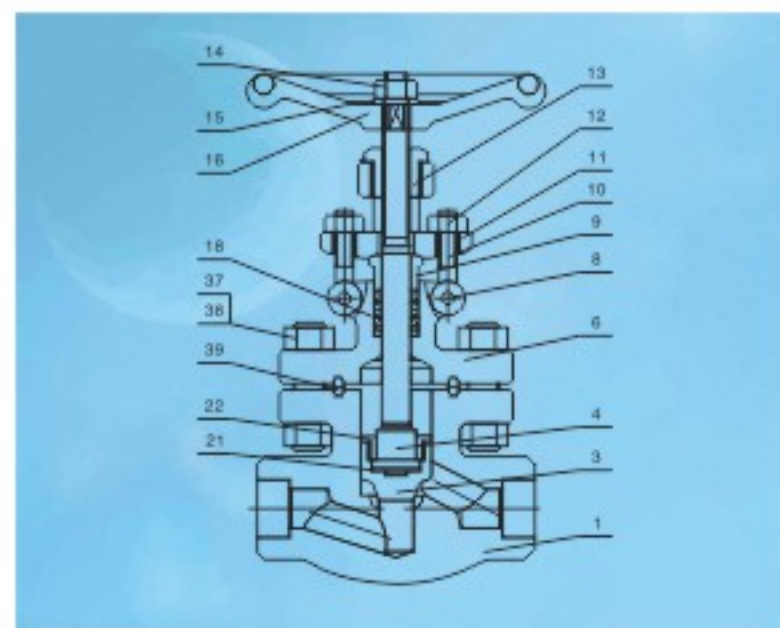
- 应用规范 Application standards
- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118;
 - 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
 - 3、阀门检查和试验Test and inspection conform to: API 598; GB/T13927; JB/T9092
 - 4、结构特征Structure features:
 - 螺栓连接阀盖(B.B)和明杆支架(OS & Y)
 - 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主体材料Alloy.

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

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

■ 典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓 Bolt	B7	B7	L7	B16	B8(M)	B8(M)	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)	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



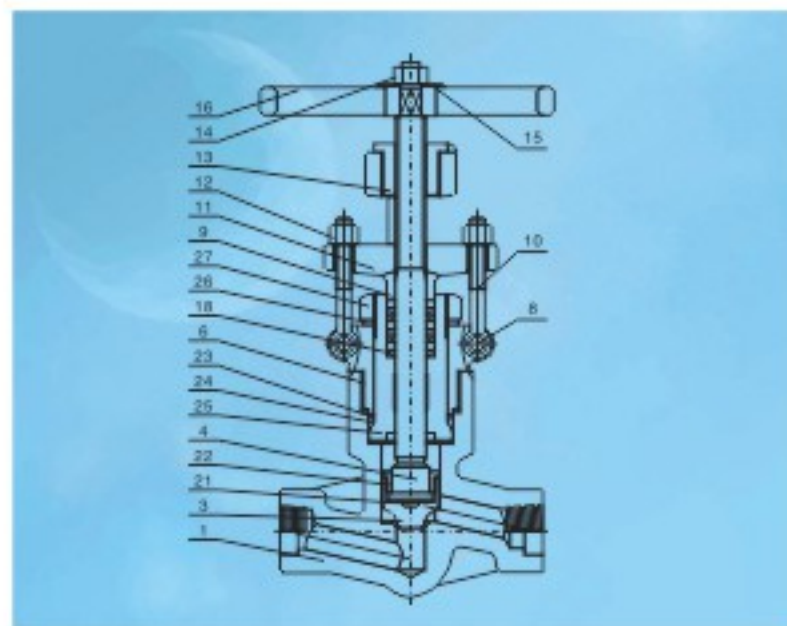
- 应用规范 Application standards
- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118;
 - 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
 - 3、阀门检查和试验Test and inspection conform to: API 598; GB/T13927; JB/T9092
 - 4、结构特征Structure features:
 - 螺栓连接阀盖(B.B)和明杆支架(OS & Y)
 - 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主体材料Alloy.

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

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

■ 典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	F51
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
8	销轴 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)	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



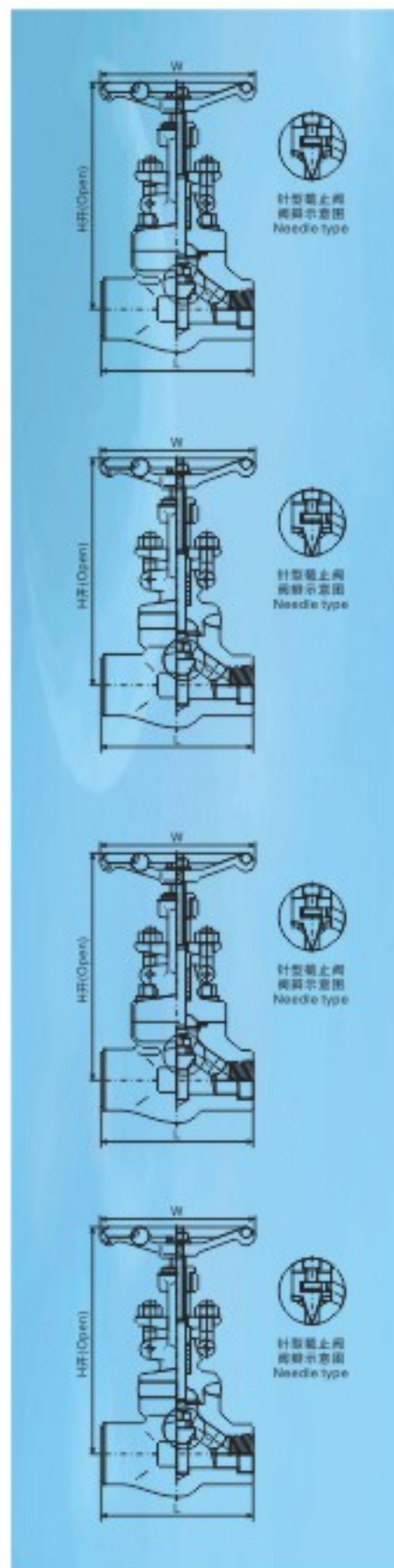
应用规范 Application standards

- 1、设计制造Design and manufacture conform to ASME B16.34
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、结构特征Structure features:
 - 螺栓连接阀盖自紧式密封
 - A threaded and pressure seal bonnet;
 - Y型或T型结构 Y type and T type
- 5、材料按Materials conform to ANSI/ASTM的规定.
- 6、主体材料Main materials: A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F91; Monel; 20合金等Alloy.

碳钢温度等级 Carbon steel temperature-pressure rate
CL1500-3705 P.S.I@100 °F CL2500-6170 P.S.I@100 °F

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体 Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F91+HF
3	阀瓣 Disc	410	410	304	410	304(L)	316(L)	410+HF
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	410
6	阀盖 Bonnet	A105	A105	LF2	F11	304(L)	F316(L)	F91
8	销轴 Pin	410	410	410	410	304	304	410
9	填料压套 Gland	410	410	304	410	304	316	410
10	活节螺栓 Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
11	填料压盖 Gland flange	A105	A105	LF2	F11	F304	F304	F91
12	六角螺母 Hex nut	2H	2H	2H	2H	8(M)	8(M)	8(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	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 Nut pad	410	410	410	410	410	410	410
27	拉紧螺母 Packing nut	碳钢 Cast steel	碳钢 Cast steel	碳钢 Cast steel	碳钢 Cast steel	不锈钢 Stainless steel	不锈钢 Stainless steel	碳钢 Cast steel



CL800

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

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

CL800

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

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	200	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm)Height	H	164	164	164	203	224	260	300	355	
流道口径(mm)Flow port dimension	d	7	9	13	17.5	23	30	35	46	
重量Weight (Kg)		1.7	1.7	1.9	3.3	5.2	6.8	10.8	13.8	

CL900-CL1500

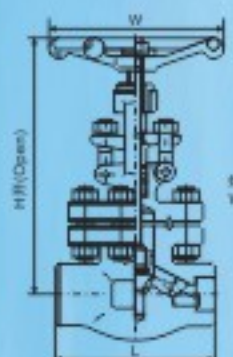
螺栓连接阀盖，缩径和全径，明杆支架(OS & Y)
Bolted bonnet, full port&reducing port outside screw and yoke (OS & Y)
末端连接可按螺纹或承插焊，设计按BS5352
Threaded, butt-welded or socket welded ends; design to BS5352

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

CL900-CL1500

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

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



CL900-CL1500

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

规格(NPS)Specification	F.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	110	110	150	150		210	235
手轮直径(mm) Handwheel diameter	W	110	110	130	180		210	250
中心高度(开)(mm)Height	H	227	227	300	307		400	448
流道孔径(mm)Flow port dimension	d	9	12	15	20		32	40
重量Weight (Kg)		5	5	10	11.5		22	37

CL900-CL1500

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

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

CL2500

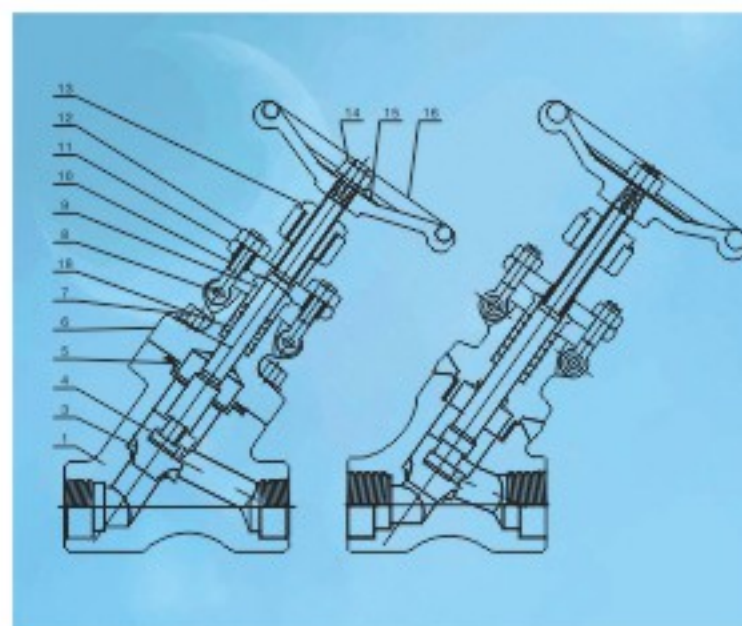
螺栓连接阀盖(RJ), 全径, 明杆支架(OS&Y)
Bolted bonnet, full port outside screw and yoke (OS&Y)
末端连接为承插焊, 设计按ASME B16.34
Socket welded ends; design conform to ASME B16.34

规格(NPS)Specification	F.P	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	150	150	210		235	235	
手轮直径(mm) Handwheel diameter	W	130	130	250		300	300	
中心高度(开)(mm)Height	H	293	300	390		435	435	
流道孔径(mm)Flow port dimension	d	11	14	19		28	35	
重量Weight (Kg)		10	10.3	22.4		38	38	

CL2500

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

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



应用规范 Application standards

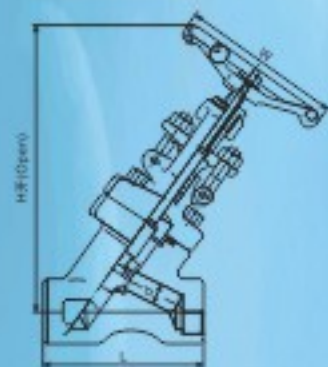
- 设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 连接端尺寸Connection ends conform to:
 - 承插口尺寸按Socket welded ends conform to ANSI B16.11; JB/T1751
 - 螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T7306
 - 对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 法兰端尺寸按Flanged ends conform to ANSI B16.5; JB79
- 阀门检查和试验Test and inspection conform to: API 598, GB/T13927, JB/T9092
- 结构特征Structure features:
 - 螺栓阀盖(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Alloy; 哈氏合金等Hastelloy.

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

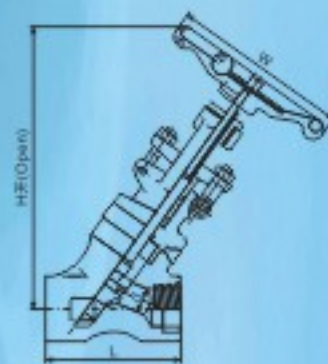
序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	L11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓 Bolt	B7	B7	L7	B16	B8(M)	B8(M)	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	活节压套 Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
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)	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



CL800

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

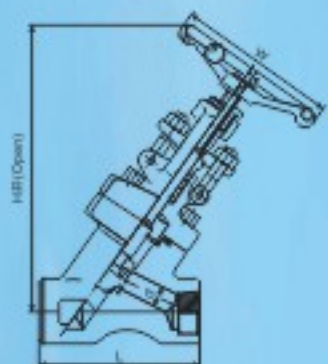
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	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	98	98	98	111	140	140	155	170	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm)Height	H	180	180	180	188	280	280	295	350	
流道孔径(mm)Flow port dimension	d	7	9	13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



CL800

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

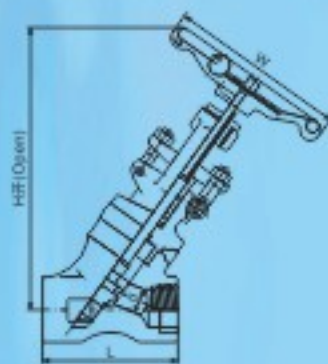
规格(NPS) Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	100	140	140	155	170	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm)Height	H	198	198	198	207	280	280	295	350	
流道孔径(mm)Flow port dimension	d	7	9	13	17.5	23	30	35	46	
重量Weight (Kg)		1.8	1.8	2.0	3.5	8.0	8.0	12	16	



CL900-CL1500

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

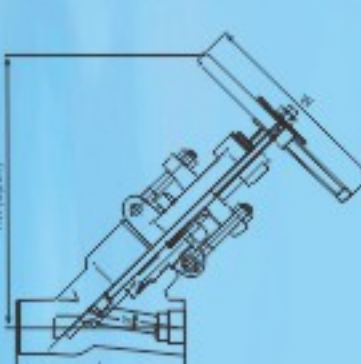
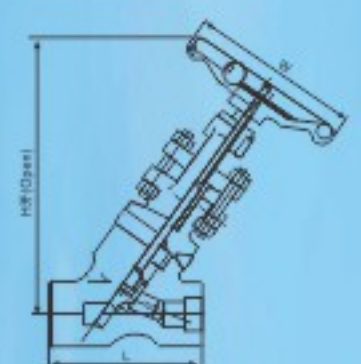
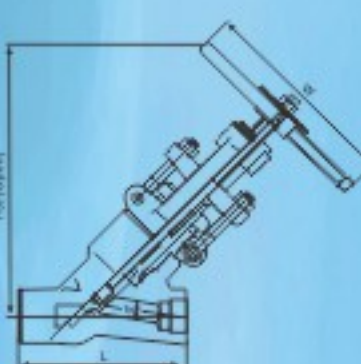
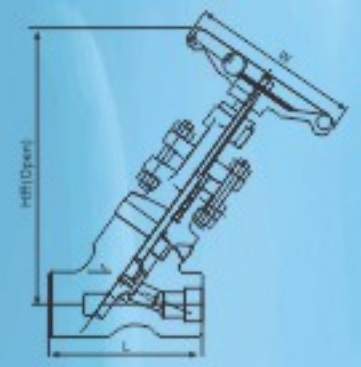
规格(NPS) Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	98	111	111	140	140	155	170	
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	
中心高度(开)(mm) Height	H	175	175	215	215	254	305	305	
流道孔径(mm) Flow port dimension	d	9	12	15	20	28	32	40	
重量Weight (Kg)		2.6	4.6	4.6	9.3	9.3	14	19.6	



CL900-CL1500

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

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



CL2500

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

规格(NPS) Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	186	186	186	186	232	232	310
手轮直径(mm) Handwheel diameter	W	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	329	329	329	329	350	350	383
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量Weight (Kg)		10.8	11.6	12.3	12.3	28.0	26.4	43.8

CL2500

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

规格(NPS) Specification	F.P.	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	186	186	186	186	232	232	310
手轮直径(mm) Handwheel diameter	W	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	333	333	333	333	406	406	524
流道孔径(mm) Flow port dimension	d	9	11	14	19	25	28	35
重量Weight (Kg)		10.8	11.6	12.3	12.3	28.0	26.4	43.8

CL4500

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

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

CL4500

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

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

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

CL150-300-600

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
手轮直径(mm) Handwheel diameter		W	-	-	100	100	125	160	160	180
中心高度(开) (mm)Height	CL150/CL300	H	-	-	180	184	217	224	260	300
	CL600		-	-	164	164	203	224	260	300
流道孔径(mm)Flow port dimension		d	-	-	9	13	17.5	23	30	35
重量 (Kg) Weight	CL150	R F	-	-	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	R F	-	-	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	R F	-	-	5.6	7.8	12.5	17	23.5	38.8
		BW	-	-	3.4	4.7	9.2	10.5	13.3	18.9

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

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

CL900-CL1500

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

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

螺栓连接阀盖(RJ)，全径，明杆支架(OS&Y)
Welded bonnet, full port outside screw and yoke (OS&Y)
末端连接为焊接法兰或对焊连接，设计按ASME B16.34
Welding flange or butt-welded design conform to ASME B16.34

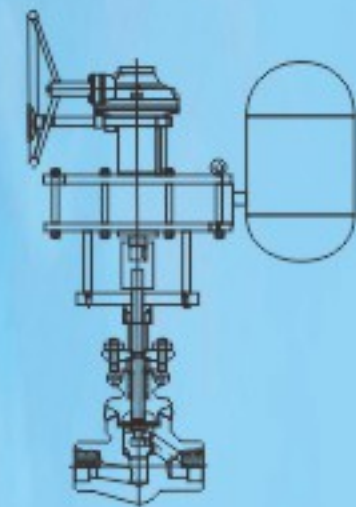
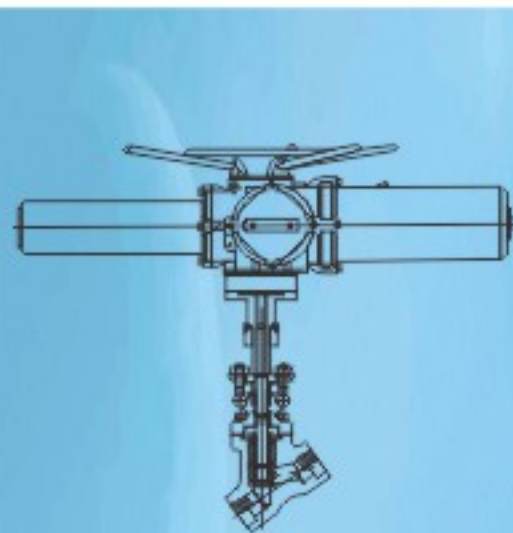
CL2500

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

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

CL2500

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



电动装置 Electric actuator

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



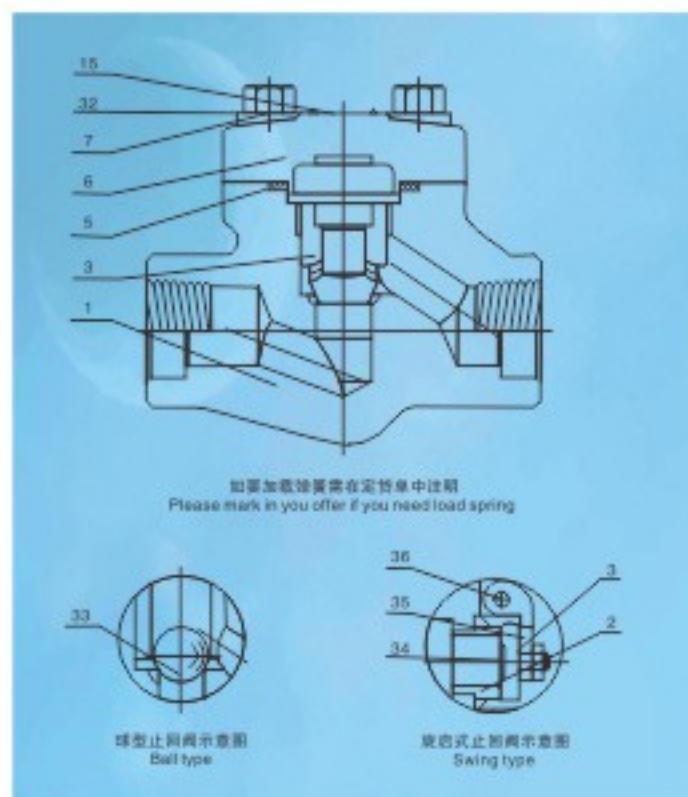
电动装置 Electric actuator

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



气动装置 Pneumatic actuator

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



应用规范 Application standards

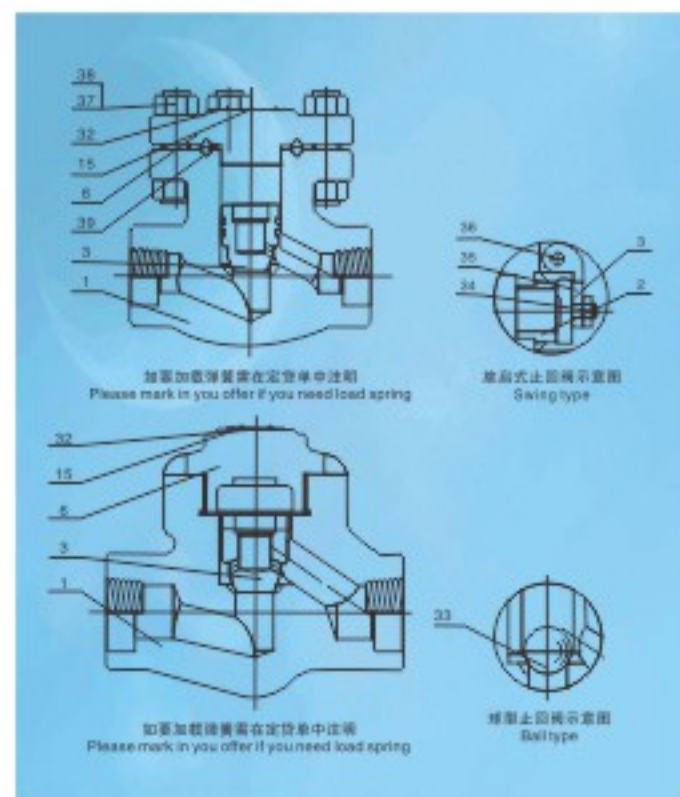
- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118
- 2、连接尺寸Connection ends conform to
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T175
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;B/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features: 螺栓连接阀盖(B.B) 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

CL150-285 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	L11/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)	B8(M)
15	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉 Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球 Steel ball	430	430	304	STL	316(L)	316(L)	STL
34	阀瓣螺母 Disc nut	2H	2H	8	8	8(M)	8(M)	8(M)
35	摇臂 Hinge	410	410	304	410	316(L)	316(L)	F51
36	销轴 Pin	410	410	304	410	304(L)	316(L)	F51



应用规范 Application standards

- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118;
- 2、连接尺寸Connection ends conform to
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;B/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features: 体盖连接垫片采用金属环(RJ) Gasket for bonnet connect adopt metal ring, 螺栓连接阀盖(B.B) Bolted bonnet, 焊接阀盖(W.B) 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	L11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈 Seat ring	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉 Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球 Steel ball	430	430	304	STL	316(L)	316(L)	STL
34	阀瓣螺母 Disc nut	2H	2H	8	8	8(M)	8(M)	8(M)
35	摇臂 Hinge	410	410	304	410	316(L)	316(L)	F51
36	销轴 Pin	410	410	304	410	304(L)	316(L)	F51
37	双头螺栓 Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
38	螺母 Nut	2H	2H	8	8	8(M)	8(M)	8(M)
39	金属环 Metal ring	304	304	304	304	304(L)	316(L)	F51

螺栓阀盖，缩径和全径

末端连接为螺纹或承插或对焊，设计按BS5352

Bolted bonnet, full port and reducing port

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

CL800

规格(NPS) Specification	R.P.	F.P.								
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	升降式 Lift	79	79	92	111	120	152	172	200
		旋启式 Swing	79	79	92	111	120	140	178	178
中心高度(开)(mm) Height	H	升降式 Lift	61	61	61	78	84	84	118	132
		旋启式 Swing	61	61	61	78	84	84	120	133
流道孔径(mm) Flow port dimension	d	升降式 Lift	7	9	13	17.5	23	30	35	46
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5	45
重量Weight (Kg)		升降式 Lift	1.2	1.5	1.7	3.3	4.2	4.2	10.5	12.5
		旋启式 Swing	1.4	1.5	1.7	3.3	4.2	4.2	8.5	10.9

焊接阀盖，缩径和全径

末端连接为螺纹或承插或对焊，设计按BS5352

Welded bonnet, full port and reducing port

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

CL800

规格(NPS) Specification	R.P.	F.P.								
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L		79	79	92	111	120	152	172	200
中心高度(开)(mm)Height	H		61	61	61	78	84	103	118	132
流道孔径(mm)Flow port dimension	d		7	9	13	17.5	23	30	35	46
重量Weight (Kg)			1.2	1.3	1.5	3.0	3.9	6.0	10	12

螺栓阀盖，缩径和全径

末端连接为螺纹或承插焊，设计按BS5352

Bolted bonnet, full port and reducing port

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

CL900-CL1500

规格(NPS) Specification	R.P.	F.P.								
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	升降式 Lift	92	111	111	120	152	172	200	
		旋启式 Swing	92	111	111	120	120	140	178	
中心高度(开)(mm) Height	H	升降式 Lift	61	78	78	84	103	118	132	
		旋启式 Swing	61	78	78	84	101	120	133	
流道孔径(mm) Flow port dimension	d	升降式 Lift	7	12	15	20	28	32	40	
		旋启式 Swing	8	10.5	13.5	18	24	29	45	
重量Weight (Kg)		升降式 Lift	1.5	3.4	3.3	4.2	6.3	10.5	12.5	
		旋启式 Swing	1.5	3.3	3.4	4.2	5.0	8.5	10.9	

焊接阀盖，缩径和全径

末端连接为螺纹或承插焊，设计按BS5352

Welded bonnet, full port and reducing port

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

CL900-CL1500

规格(NPS) Specification	R.P.	F.P.								
			1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L		92	111	111	120	152	172	200	
中心高度(开)(mm)Height	H		61	78	78	84	103	118	132	
流道孔径(mm)Flow port dimension	d		7	12	15	20	28	32	40	
重量Weight (Kg)			1.3	3.1	3.1	3.9	5.8	10.0	11.5	

螺栓阀盖，缩径和全径

末端连接为螺纹或承插焊，设计按BS5352

Bolted bonnet, full port and reducing port

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

CL900-CL1500

规格(NPS) Specification	F.P.								
		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	110	110	110	110	150	150	210	235
中心高度(开)(mm) Height	H	166	166	171	207	240	258	330	355
流道孔径(mm) Flow port dimension	d	升降式 Lift	9	10	12	15	20	28	40
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5
重量Weight (Kg)		升降式 Lift	2	2.1	1.9	4	5.1	7.2	14
		旋启式 Swing	1.9	2.3	2.3	4.35	5.25	7.8	14.6

压力自紧式阀盖，缩径和全径

末端连接为螺纹或承插焊，设计按BS5352

Pressure seal bonnet, full port and reducing port

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

CL900-CL1500

规格(NPS) Specification	R.P.	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		140	140	140	178	216	216		
中心高度(开)(mm)Height	H		117	117	117	152	195	195		
流道孔径(mm)Flow port dimension	d		12	15	20	28	32	40		
重量Weight (Kg)			6.8	7.0	7.5	18.5	20.3	22		

螺栓阀盖，全径

末端连接为螺纹或承插焊，设计按ASME B16.34

Bolted bonnet, full port

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

CL2500

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

压力自紧式阀盖，全径

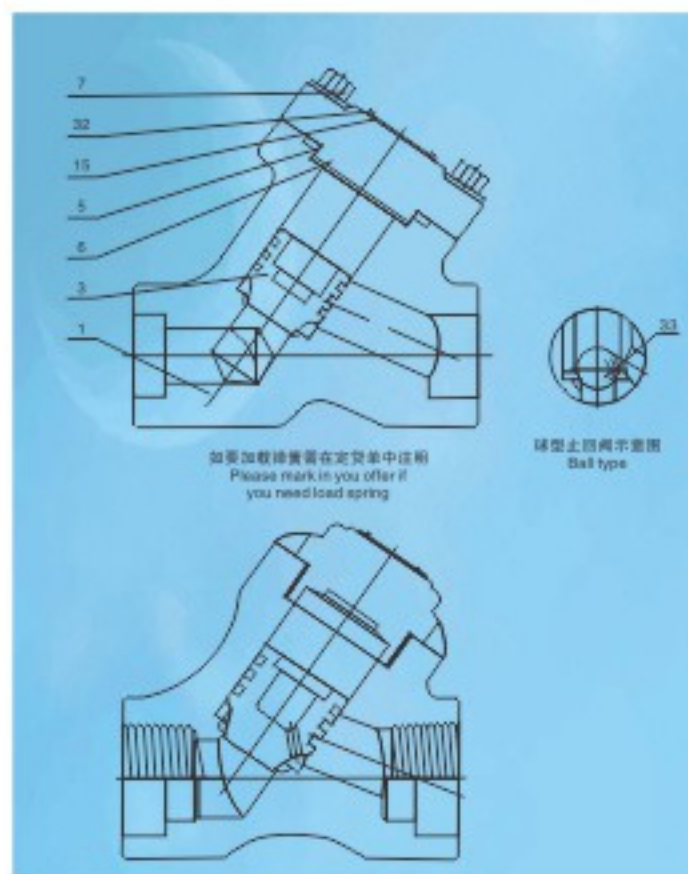
末端连接为螺纹或承插焊，设计按ASME B16.34

Pressure seal bonnet, full port

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

CL2500

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



应用规范 Application standards

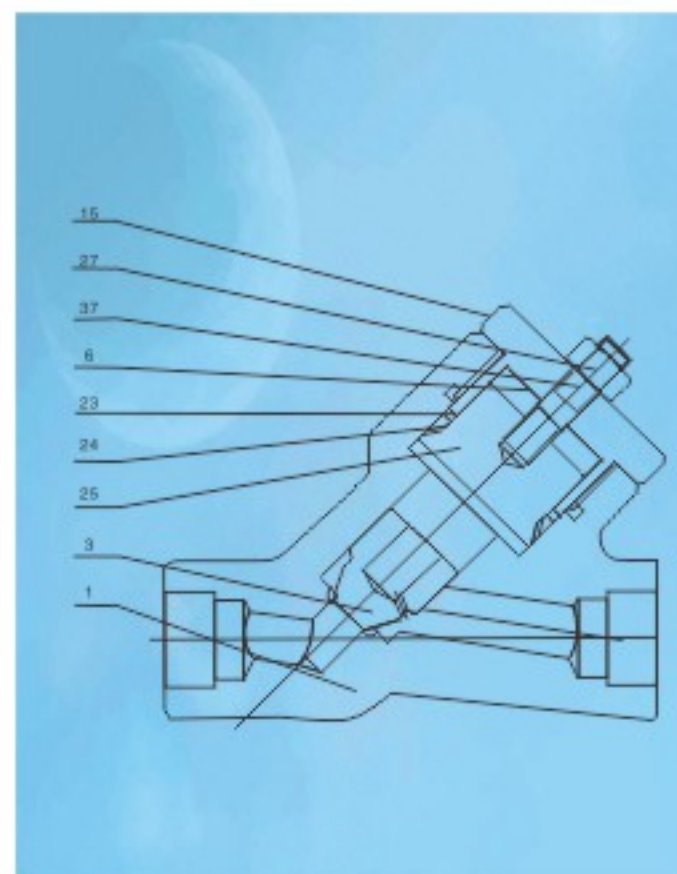
- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118
- 2、连接尺寸Connection ends conform to
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform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

碳钢温压等级 Carbon steel temperature-pressure rate

CL1500-3705 P.S.I@100 °F CL2500-6170 P.S.I@100 °F CL4500-1111 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	L11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
3	阀瓣 Disc	410	410HF	304	410HF	304(L)	316(L)	F51
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓 Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
15	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉 Rivet	AL	AL	AL	AL	AL	AL	AL
33	钢球 Steel ball	430	430	304	STL	316(L)	316(L)	STL



应用规范 Application standards

- 1、设计制造Design and manufacture conform to BS5352 MSS SP-118
- 2、连接尺寸Connection ends conform to
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features:
螺纹连接阀盖压力自紧式密封; Y型或T型结构
A threaded and pressure seal bonnet; Y type and T type.
- 5、材料按Materials conform to ANSI/ASTM的规定
- 6、主体材料Main materials:
A105; LF2;F5;F11;F22;304(L);316(L); F347;
F321;F51;Monel;20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	L11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105+HF	LF2	F11+HF	F304(L)	F316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
15	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
23	密封圈垫片 Seal ring gasket	420	420	304	304	304(L)	316(L)	410
24	自密封圈 P.S.ring	304	304	304	304	316L	316L	316L
25	自密封座 P.S.seat	F410	F410	F304	F410	F304	F316	F51
27	提升螺母 Lift nut	2H	2H	8	8	8(M)	8(M)	8(M)
37	提升螺栓 Lift stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)

螺栓阀盖，口径和全径

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

CL800

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

焊接阀盖，口径和全径

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

CL800

规格(NPS) Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	100	140	140	155	170	
中心高度(开)(mm)Height	H	65	65	65	95	105	110	110	140	
流通孔径(mm)Flow port dimension	d	7	10	13	17.5	23	30	35	46	
重量Weight (Kg)		1.8	1.8	2.0	3.5	8.0	8.0	12	16	

螺栓阀盖，全径

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

CL900-CL1500

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

焊接阀盖，全径

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

CL900-CL1500

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

焊接阀盖，全径

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

CL2500

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

压力自紧式密封，螺栓连接阀盖，全径

末端连接为螺纹或承插焊或对焊，设计按ASME B16.34
Pressure seal, bolted bonnet, full port
Threaded, butt-welded or socket welded ends; design to ASME B16.34

CL2500

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

焊接阀盖，全径

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

CL4500

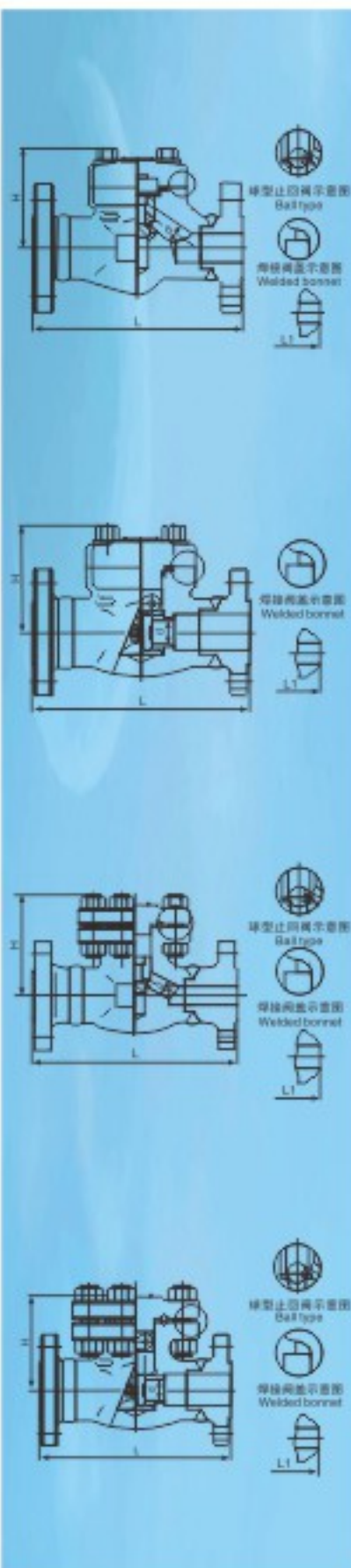
规格(NPS) Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	155	155	155	155		225	225
中心高度(开)(mm)Height	H	120	120	120	145		160	160
流通孔径(mm)Flow port dimension	d	9	11	11	15		26	28
重量Weight (Kg)		8	8.7	8.7	8.7		16.5	16

压力自紧式密封，螺栓连接阀盖，全径

末端连接为螺纹或承插焊或对焊，设计按ASME B16.34
Pressure seal, bolted bonnet, full port
Threaded, butt-welded or socket welded ends; design to ASME B16.34

CL4500

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



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

CL150-300-600

规格(NPS)Specification			R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203	
	CL300		-	-	153	178	203	216	229	267	
Face to face	CL600		-	-	165	191	216	229	241	292	
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118	
	CL300/600		-	-	61	78	84	101	120	133	
流通孔径(mm)Flow port dimension			d	-	-	10	13	17.5	23	30	35
重量(Kg) Weight	CL150	R F	-	-	3.6	4.6	8.5	9.2	12.5	14.8	
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6	
	CL300	R F	-	-	3.7	4.8	8.8	9.6	13.7	17.8	
		BW	-	-	3.2	4.3	8.0	8.6	12.7	16.2	
	CL600	R F	-	-	4.0	5.8	9.5	10.4	15.6	24.5	
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5	

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

CL150-300-600

规格(NPS)Specification			R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203	
	CL300		-	-	153	178	203	216	229	267	
	CL600		-	-	165	191	216	229	241	292	
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118	
	CL300/600		-	-	61	78	84	101	120	133	
流通孔径(mm)Flow port dimension			d	-	-	10.5	13.5	18	24	29	36.5
重量(Kg) Weight	CL150	R F	-	-	3.6	4.6	8.5	9.2	12.5	14.8	
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6	
	CL300	R F	-	-	3.7	4.8	8.8	9.6	13.7	17.8	
		BW	-	-	3.2	4.3	8.0	8.6	12.7	16.2	
	CL600	R F	-	-	4.0	5.8	9.5	10.4	15.6	24.5	
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5	

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

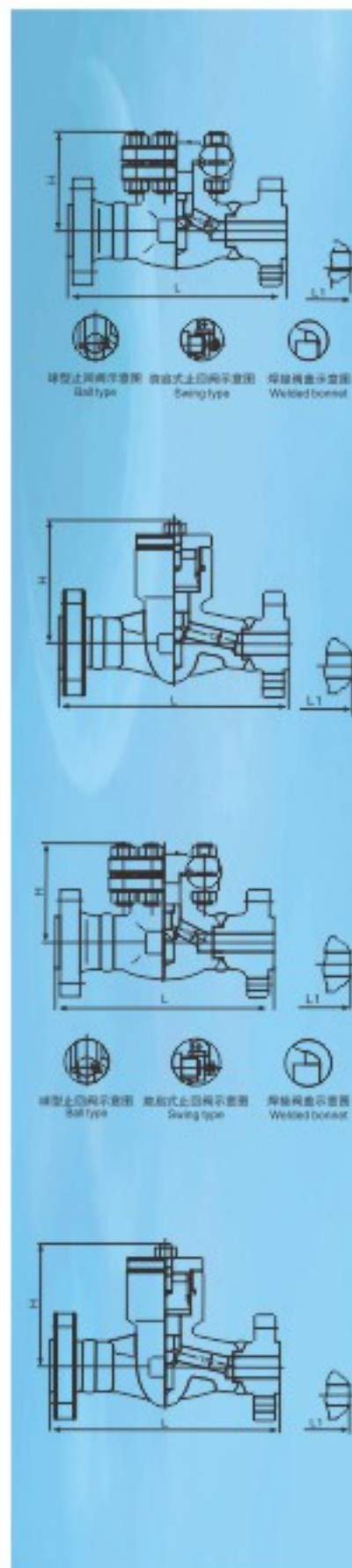
CL150-300-600

规格(NPS)Specification			R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203	
	CL300		-	-	153	178	203	216	229	267	
Face to face	CL600		-	-	165	191	216	229	241	292	
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118	
	CL300/600		-	-	61	78	84	101	120	133	
流通孔径(mm)Flow port dimension			d	-	-	10	13	17.5	23	30	35
重量(Kg) Weight	CL150	R F	-	-	3.2	3.5	4.6	5.2	7.0	16	
		BW	-	-	2.8	3.0	4.0	4.6	6.3	15	
	CL300	R F	-	-	4.6	6.1	9.1	12	16	21	
		BW	-	-	4.1	5.7	8.4	11.2	14.5	19.5	
	CL600	R F	-	-	4.8	6.3	9.3	13	16.5	22	
		BW	-	-	4.4	5.9	8.7	12.1	15.8	20.8	

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

CL150-300-600

规格(NPS)Specification			R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203	
	CL300		-	-	153	178	203	216	229	267	
Face to face	CL600		-	-	165	191	216	229	241	292	
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118	
	CL300/600		-	-	61	78	84	101	120	133	
流通孔径(mm)Flow port dimension			d	-	-	10.5	13.5	18	24	29	36.5
重量(Kg) Weight	CL150	R F	-	-	3.6	4.6	8.5	9.2	12.5	14.8	
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6	
	CL300	R F	-	-	3.7	4.8	8.8	9.6	13.7	17.8	
		BW	-	-	3.2	4.3	8.0	8.6	12.7	16.2	
	CL600	R F	-	-	4.0	5.8	9.5	10.4	15.6	24.5	
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5	



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

CL900-CL1500

规格(NPS)Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L(RF) L1(BW)		216	229	254	280	305	371	
中心高度(开)(mm)Height	H		81	93	95	101	118	130	
流通孔径(mm) Flow port dimension	d	升降式 Lift	12	15	20	28	32	40	
		旋启式 Swing	13.5	18	24	29	36.5	45	
重量Weight (Kg)		升降式 Lift	5.2	6.8	10.5	28	18	24	
		旋启式 Swing	5.0	6.1	10.8	29	17.6	27	

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

CL900-CL1500

规格(NPS)Specification	R.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)		216	229	254	280	305	268
	L(RTJ)		216	229	254	280	305	371
中心高度(开)(mm)Height	H		117	117	117	152	152	195
流通孔径(mm) Flow port dimension	d		12	15	20	28	32	40
重量Weight (Kg)			10.5	11.9	13.9	19.9	26.9	32.5

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

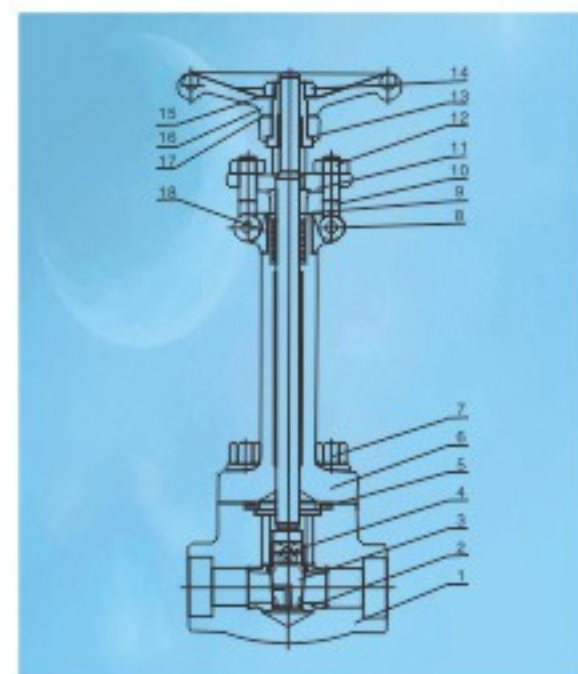
CL2500

规格(NPS)Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm) Face to face	L(R F), L1(BW)		264	273	308	349	384	450	
	L(R T J)		264	273	308	352	387	454	
中心高度(开)(mm)Height	H		81	93	95	101	118	130	
流通孔径(mm) Flow port dimension	d	升降式 Lift	12	15	20	28	32	40	
		旋启式 Swing	10.5	13.5	18	24	29	36.5	
重量Weight (Kg)		升降式 Lift	17	21	28	14.5	58	85	
		旋启式 Swing	5.0	6.1	10.8	11.2	17.6	27	

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

CL2500

规格(NPS)Specification	R.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF), L1(BW)		264	273	308	349	384	450
	L(RTJ)		264	273	308	352	387	454
中心高度(开)(mm)Height	H		117	117	117	152	152	195
流通孔径(mm) Flow port dimension	d		12	15	20	32	28	40
重量Weight (Kg)			12.6	14.9	16.5	24.8	30	35



应用规范 Application standards

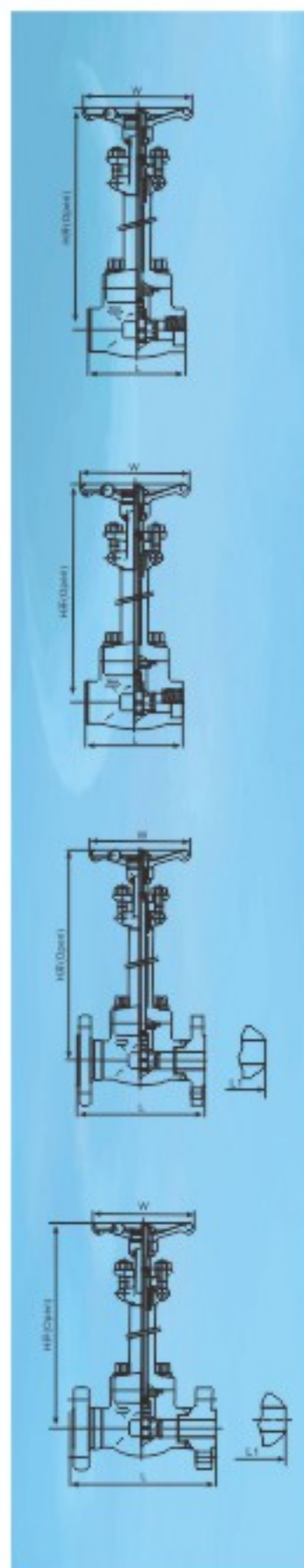
- 1、设计制造Design and manufacture conform to API 602 Bs5352 ANSI B16.34
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B1 6.5;JB79
- 3、检查和试验Test and inspection conform to: API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features:
 - 螺栓连接阀盖(B.B)和明杆支架(OS&Y)
 - Bolted bonnet, outside screw and yoke
 - 或焊接阀盖(W.B)和明杆支架(OS&Y)
 - Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定
- 6、主体材料Main materials: LF2; LF3;304(L);316(L); F347;F321;F51.

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	LF3/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	-	-	LF2	LF3	F304(L)	F316(L)	F51
2	座圈 Seat ring	-	-	304	304	304(L)	316(L)	F51
3	闸板 Wedge disc	-	-	F304	F304	F304(L)	F316(L)	F51
4	阀杆 Stem	-	-	304	F304	304(L)	316(L)	F51
5	垫片 Gasket	-	-	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖 Bonnet	-	-	LF2	LF3	F304(L)	F316(L)	F51
7	螺栓 Bolt	-	-	L7	L7	B8	B8	B8
8	销 Pin	-	-	410	410	304	304	304
9	填料压套 Gland	-	-	304	304	304	316	F51
10	活节螺栓 Gland eyebolt	-	-	L7	L7	B8(M)	B8(M)	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



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

CL800

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

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

CL1500

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
结构长度(mm)Face to face	L	79	111	111	120	120	140	178	180	
手轮直径(mm)Handwheel diameter	W	100	125	125	160	160	180	200	220	
中心高度(开)(mm)Height	H	-196	321	321	322	359	399	446	480	550
		-46	285	285	287	309	343	396	420	480
流道孔径(mm)Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5	45	
重量Weight (Kg)		3.5	6.7	6.7	11	12.3	15.8	28	45	

螺栓连接低温加长闸盖, 缩径, 明杆支架(OS&Y)
Bolted bonnet cryogenic extended bonnet, reduced port, OS&Y
末端连接为焊接法兰或对焊连接, 设计按API 602
Flanged or butt welded ends; design to API 602

CL150-300-600

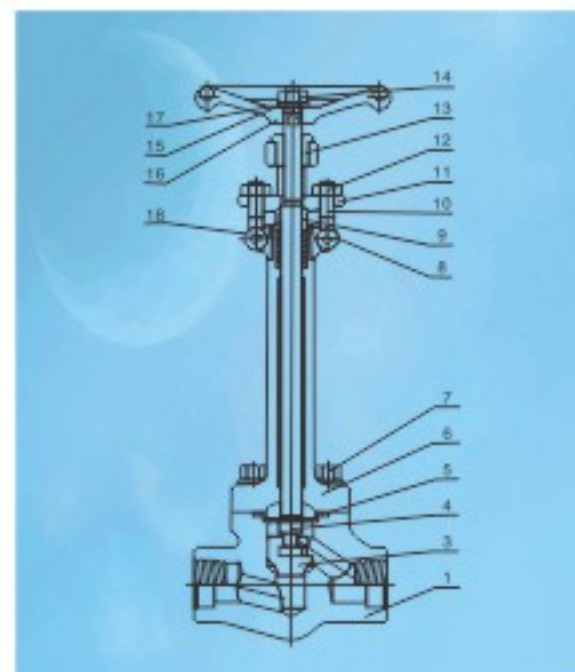
规格Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度 (mm)Face to face	CL150 CL300 CL600	-	-	108	118	127		165	178	
		-	-	140	153	165		191	216	
		-	-	165	191	216		241	292	
手轮直径(mm)Handwheel diameter	W	-	-	100	100	125	160	160	180	
中心高度(开) (mm)Height	H	-196	-	-	321	322	359	399	446	480
		-46	-	-	285	287	309	343	396	420
流道孔径(mm)Flow port dimension	d	-	-	10.5	13.5	18	24	29	36.5	
重量 Weight (Kg)	CL150 CL300 CL600	R F BW	-	-	5.0	5.5	8.8	13.5	15	20.3
		R F BW	-	-	5.8	7.3	9.7	12.5	19.5	22.3
		R F BW	-	-	6.0	8	11.2	13.5	21.5	24.8

螺栓连接阀盖, 缩径, 明杆支架(OS&Y)
Bolted bonnet cryogenic extended bonnet, full port, OS&Y
末端连接可按螺纹或承插焊或对焊, 设计按API 602
Flanged or butt welded ends; design to API 602

CL1500

规格Specification(NPS)	F.P	-	1/2	3/4	1	1 1/4	1 1/2	2	
结构长度(mm)Face to face	L		216	229	254	279	325	368	
手轮直径(mm)Handwheel diameter	W		125	125	160	160	180	200	
中心高度(开)(mm)Height	H	-196	321	322	359	399	446	480	
		-46	285	287	309	343	396	420	
流道孔径(mm)Flow port dimension	d		10.5	13.5	18	24	29	36.5	
重量Weight (Kg)			14	23	25.3	35.7	47	72	

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



应用规范 Application standards

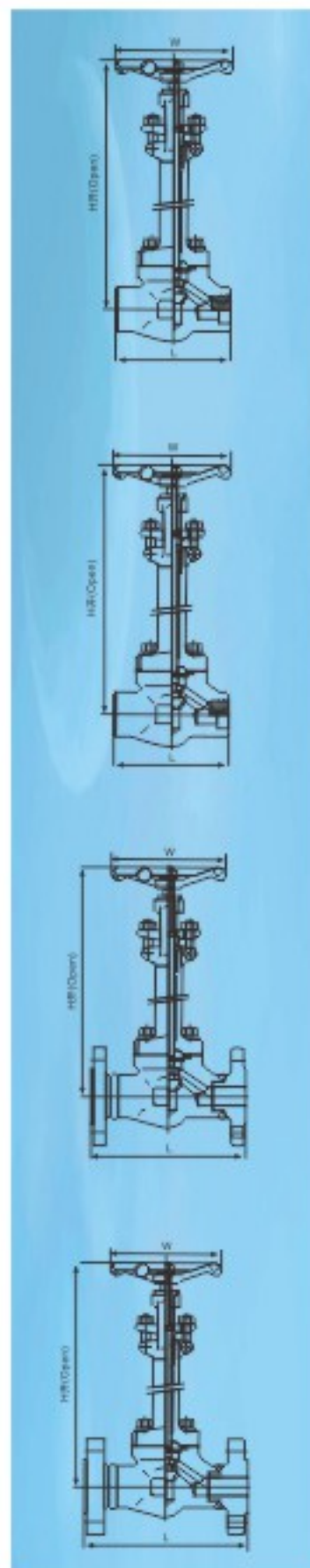
- 1、设计制造Design and manufacture conform to API 602 BS5352 ANSI B16.34
- 2、连接端尺寸Connection ends conform to:
 - 1) 承插口尺寸按Socket welded ends conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T7306
 - 3) 对焊端尺寸按Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸按Flanged ends conform to ANSI B16.5; JB79
- 3、检查和试验Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、结构特征Structure features:
 - 螺栓连接阀盖(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.
- 6、主体材料Main materials:
 - LF2; LF3; 304(L); 316(L); F347; F321; Monel
 - 20合金等Alloy.

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	LF3/304	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	-	-	LF2	LF3	F304(L)	F316(L)	F51
2	座圈 Seat ring	-	-	304	304	304(L)	316(L)	F51
3	闸板 Wedge disc	-	-	F304	F304	F304(L)	F316(L)	F51
4	阀杆 Stem	-	-	304	304	304(L)	316(L)	F51
5	垫片 Gasket	-	-	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖 Bonnet	-	-	LF2	LF3	F304(L)	F316(L)	F51
7	螺栓 Bolt	-	-	L7	L7	B8	B8	B8
8	销 Pin	-	-	410	410	304	304	304
9	填料压套 Gland	-	-	304	304	304	316	F51
10	活节螺栓 Gland eyebolt	-	-	L7	L7	B8(M)	B8(M)	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，设计按BS5352
Threaded or socket welded ends; design to BS5352

CL800

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

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

CL1500

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

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

CL150-300-600

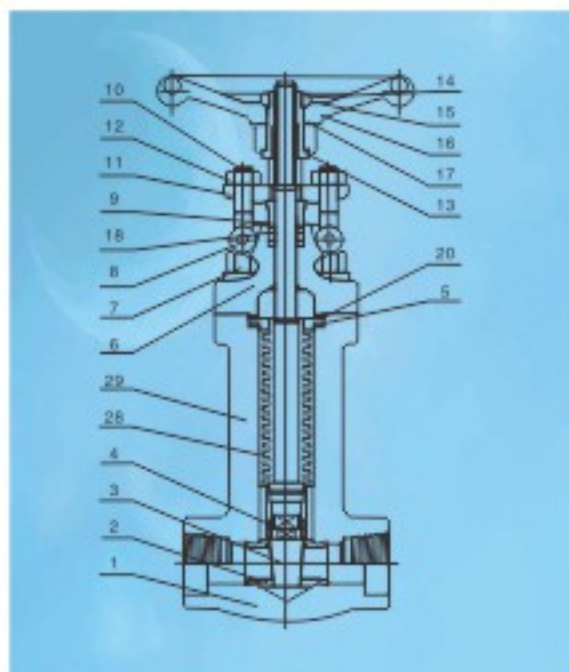
规格Specification(NPS)		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	L(RF), L1(BW)	CL150	-	-	108	118	127	-	165	203
		CL300	-	-	153	178	203	-	229	267
		CL600	-	-	165	191	216	-	241	292
手轮直径(mm)Handwheel diameter	W	-	-	-	100	100	125	-	160	180
中心高度(开) (mm)Height	H	-196℃ -101℃	-	-	390	415	430	-	490	505
		-46℃	-	-	350	400	410	-	450	480
流通孔径(mm)Flow port dimension	d	-	-	-	9.0	13	17.5	-	30	35
重量 Weight (Kg)		CL150	-	-	5	5.8	8.6	-	13.8	24.3
		CL300	-	-	5.8	6.8	10.3	-	19.3	25.8
		CL600	-	-	6.3	7.3	10.6	-	20.3	26.8

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Specification(NPS)		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF)	-	-	-	216	229	254	280	305	368
手轮直径(mm)Handwheel diameter	W	-	-	-	125	125	160	160	180	200
中心高度(开)(mm)Height	H	-196℃ -101℃	-	-	370	370	410	410	474	546
		-46℃	-	-	350	400	410	425	450	480
流通孔径(mm)Flow port dimension	d	-	-	-	12	15	20	28	32	40

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



应用规范/Application standards

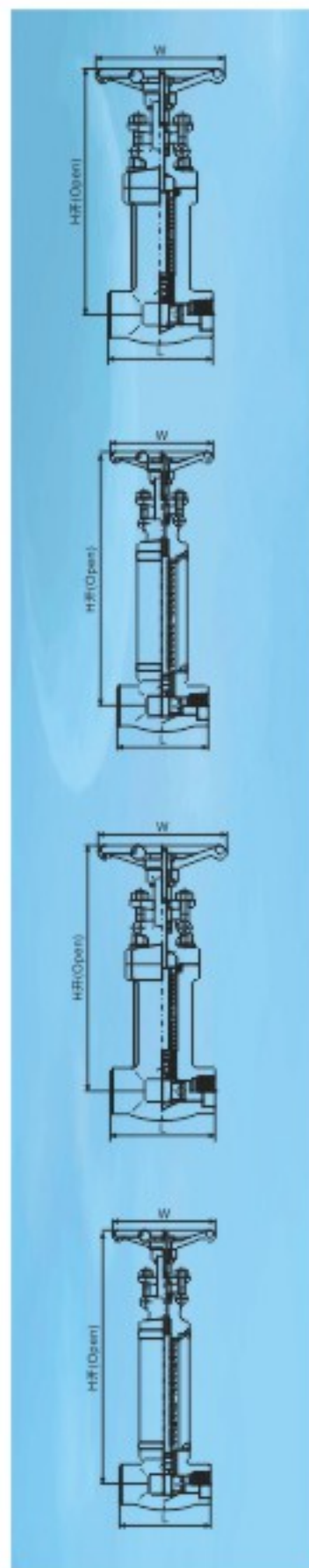
- 1、设计制造Design and manufacture conform to API 602; MSS-SP-117
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、检查和试验Test and inspection conform to:API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features:
 - 螺栓连接阀盖(B.B)和明杆支架(OS & Y)
Bolted bonnet, outside screw and yoke
 - 或焊接阀盖(W.B)和明杆支架(OS & Y)
Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定.
- 6、主要材料Main materials: A105;304(L);316(L); F347;F321
- 7、主体材料Bellow materials: 304;321;316;Inconel 625;Hastelloy C 276;Monel等.

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/Fa6HFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105	A105	F304(L)	F316(L)
2	阀座 Seat	410	410HF	410HF	304(L)	316(L)
3	闸板 Wedge disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆 Stem	410	410	410	304(L)	316(L)
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	A105	F304(L)	F316(L)
7	螺栓 Bolt	B7	B7	B7	B8	B8
8	销 Pin	410	410	410	304	304
9	填料压套 Gland	410	410	410	304	316
10	活节螺栓 Gland eyebolt	B7	B7	B7	B8(M)	B8(M)
11	填料压板 Gland flange	A105	A105	A105	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	8(M)	8(M)
13	阀杆螺母 Stem nut	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35
15	铭牌 Nameplate	AL	AL	AL	AL	AL
16	手轮 Handwheel	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410
18	填料 Packing	Graphite	Graphite	Graphite	Graphite	Graphite
20	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
28	波纹管 Bellow	F321	F321	F321	F316L	F316L



CL800

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

CL800

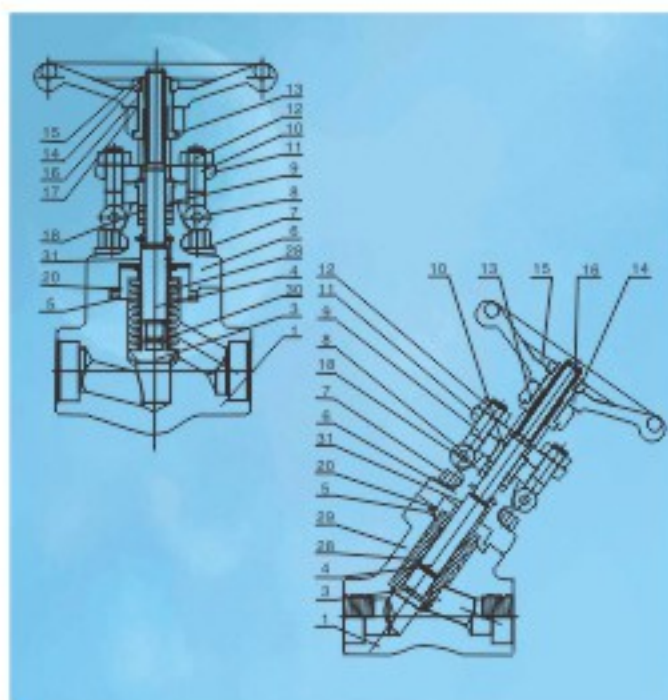
规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	120	140
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180
中心高度(开)(mm)Height	H	248	548	777	335	437	537	585
流通孔径(mm)Flow port dimension	d	7.5	10.5	13.5	18	24	29	36.5
重量Weight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

CL1500

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

CL1500

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



应用规范 Application standards

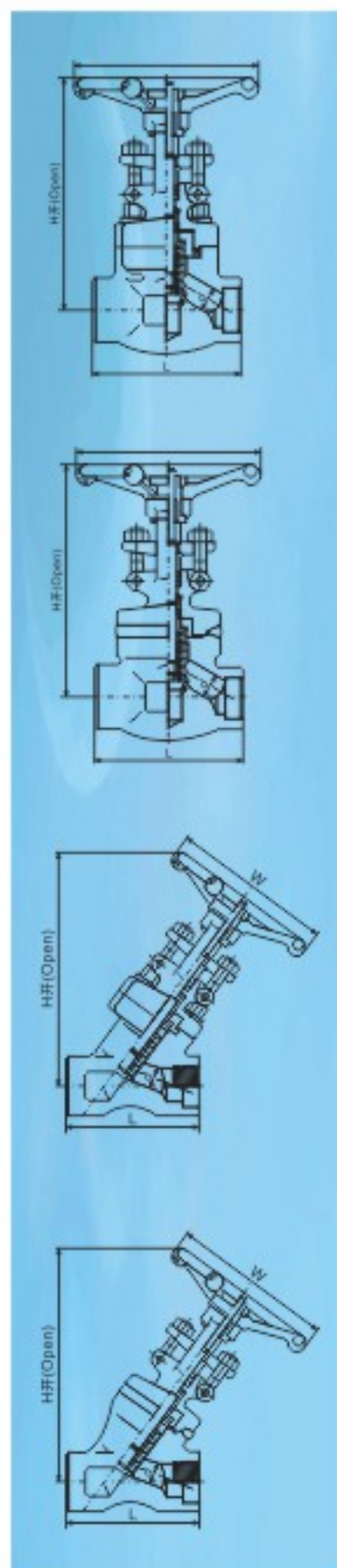
- 1、设计制造Design and manufacture conform to BS5352; MSS-SP-117
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、检查和试验Test and inspection conform to:API 598;GB/T13927; JB/T9092
- 4、结构特征Structure features:
 - 螺栓连接阀盖(B.B)和明杆支架(OS & Y)
 - Bolted bonnet, outside screw and yoke
 - 或焊接阀盖(W.B)和明杆支架(OS & Y)
 - Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定。
- 6、主要材料Main materials:
 - A105;F2;F5;F11;F22;304(L);316(L);F347;F321;F51;Monel;20合金等Alloy.
- 7、波纹管材料Bellow materials: 304;321;316;Inconel 625; HastelloyC 276;Monel等。

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/Fa6HFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣 Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	阀杆 Stem	410	410	410	304(L)	316(L)
5	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	316+柔性石墨 Flexible graphite
6	阀盖 Bonnet	A105	A105	A105	F304(L)	F316(L)
7	螺栓 Bolt	B7	B7	B7	B8(M)	B8(M)
8	销轴 Pin	410	410	410	304	304
9	填料压套 Packing bushing	410	410	410	304	316
10	活节螺母 Eyelet bolt	B7	B7	B7	B8(M)	B8(M)
11	填料压盖 Packing gland	A105	A105	A105	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	8(M)	8(M)
13	阀杆螺母 Stem nut	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35
15	铭牌 Nameplate	AL	AL	AL	AL	AL
16	手轮 Handwheel	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410
18	填料 Packing	Graphite	Graphite	Graphite	Graphite	Graphite
20	垫片 Gasket	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite	304+柔性石墨 Flexible graphite
28	波纹管 Bellow	F321	F321	F321	F321/304L	F316/316L
30	钢丝 Steel wire	304	304	304	304	316
31	销 Pin	304	304	304	304	316



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

CL800

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

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

CL800

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

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

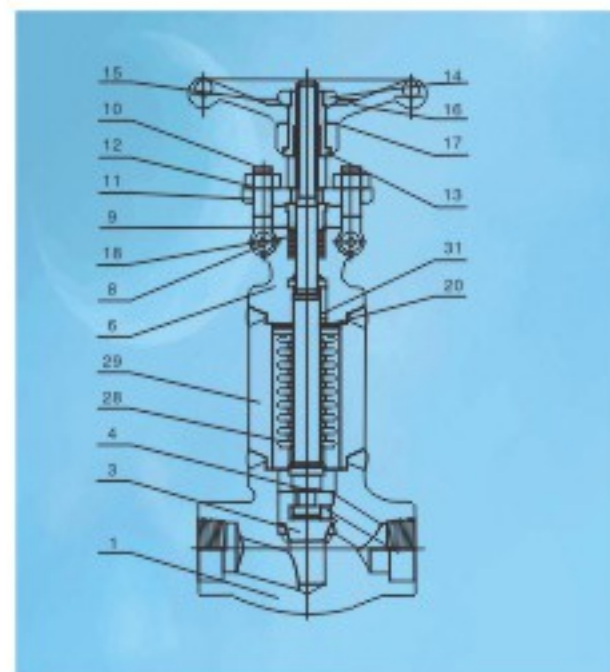
CL800

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

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

CL800

规格 Specification(NPS)	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	100	140	140	155	170	
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	
中心高度(开)(mm) Height	H	198	198	198	207	280	280	295	350	
流通孔径(mm) Flow port dimension	d	7	9	13	17.5	23	30	35	46	
重量Weight (Kg)		1.8	1.8	2.0	3.5	8.0	8.0	12	16	



应用规范 Application standards

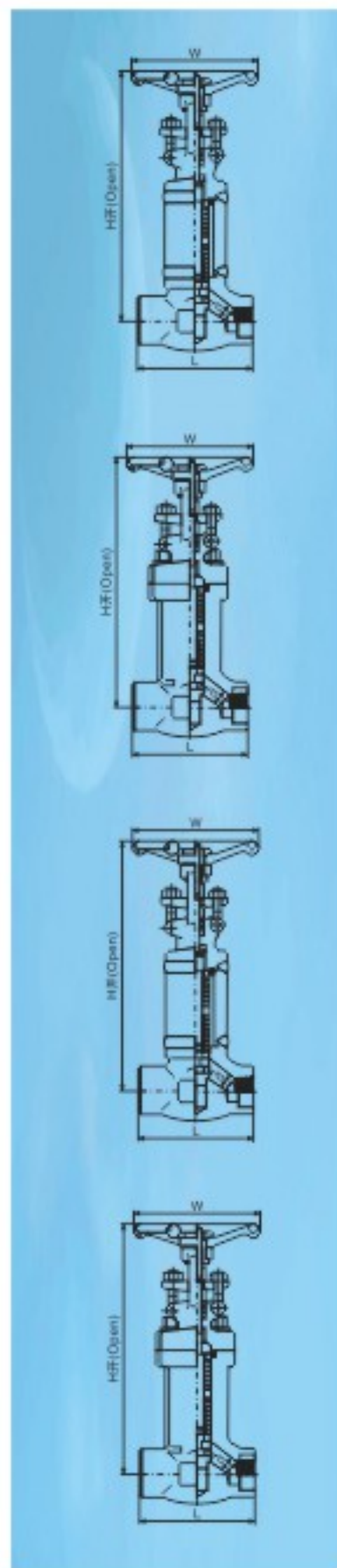
- 1、设计制造Design and manufacture conform to BS5352; MSS-SP-117
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded ends conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、检查和试验Test and inspection conform to: API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features:
 - 螺栓连接阀盖(B.B)和明杆支架(OS & Y)
 - Bolted bonnet, outside screw and yoke
 - 或焊接阀盖(W.B)和明杆支架(OS & Y)
 - Welded bonnet, outside screw and yoke
- 5、材料按Materials conform to ANSI/ASTM的规定.
- 6、主要材料Main materials:A105; 304(L);F347;F321;
- 7、主体材料Bellow materials: 304;321;316;Inconel 625; Hastelloy C 276;Monel等.

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	零件名称 Part name	A105/F6a	A105/Fa6HFS	A105/F6aHF	F304(L)/304(L)	F316(L)/316(L)
1	阀体 Body	A105	A105+HF	A105+HF	F304(L)	F316(L)
3	阀瓣 Disc	F6a	F6a	F6aHF	F304(L)	F316(L)
4	垫片 Stem	410	410	410	304(L)	316(L)
6	螺栓 Bonnet	A105	A105	A105	F304(L)	F316(L)
8	销轴 Pin	410	410	410	304	304
9	填料压套 Gland	410	410	410	304	316
10	活节螺栓 Gland eyebolt	B7	B7	B7	B8(M)	B8(M)
11	填料压盖 Gland flange	A105	A105	A105	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	8(M)	8(M)
13	阀杆螺母 Stem nut	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35
15	铭牌 Nameplate	AL	AL	AL	AL	AL
16	手轮 Handwheel	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410
18	填料 Packing	Graphite	Graphite	Graphite	Graphite	Graphite
28	波纹管 Bellow	F321	F321	F321	F316	F316L
29	接管 Coupling pipe	A105	A105	A105	A304(L)	A316(L)
31	销 Pin	304	304	304	304	316



CL800

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

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

CL800

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

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

CL1500

焊接连接阀盖, 全径, 明杆支架(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、MSS-SP-117
Threaded, butt-welded or socket welded ends; design to BS5352, MSS-SP-117

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

CL1500

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

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

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

CL150-300-600

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
手轮直径(mm)Handwheel diameter		W	-	-	100	100	125	160	160	180
中心高度(开) (mm)Height	CL150/CL300	H	-	-	340/350	340/350	360/375	380/400	450/470	540/570
	CL600		-	-	360	360	390	430	500	600
流通孔径(mm)Flow port dimension		d	-	-	9	13	17.5	23	30	35
重量 Weight (Kg)	CL150	RF/BW	-	-	3.67/3	4.3/3.6	6.3/5.7	10.5/9.5	11.5/9.8	19.5/16
	CL300	RF/BW	-	-	4/3.2	4.8/4	7.3/5.7	13/11	14.5/12	22/18
	CL600	RF/BW	-	-	5.8/4.7	8.1/6	12.5/9	18/14	24.5/18	42/36

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

螺栓连接阀盖, 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
Flange-welded or butt-welded ends; design to BS5352, MSS-SP-117

CL150-300-600

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度 (mm)	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
Face to face	CL600		-	-	165	190	216	229	241	292
手轮直径(mm)Handwheel diameter		W	-	-	100	100	125	160	160	180
中心高度(开) (mm)Height	CL150/CL300	H	-	-	340/350	340/350	360/375	380/400	450/470	540/570
	CL600		-	-	360	360	390	430	500	600
流通孔径(mm)Flow port dimension		d	-	-	9	13	17.5	23	30	35
重量 Weight (Kg)	CL150	RF/BW	-	-	4.17/3.5	4.8/4.1	7.7/6.7	12.5/11.5	14/11.5	21.5/18
	CL300	RF/BW	-	-	4.5/3.7	5.2/4.5	8.3/7.7	14.5/12.5	16/13.5	24/20
	CL600	RF/BW	-	-	6.3/5.2	8.6/6.5	13.5/10	19.5/15.5	26/19.5	44/38

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

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

CL1500

规格(NPS)Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF), L1(BW)	-	-	216	229	254	280	305	368
	L(RTJ)	-	-	216	229	254	280	305	371
手轮直径(mm)Handwheel diameter	W	-	-	125	125	160	160	180	200
中心高度(开)(mm)Height	H	-	-	380	380	400	450	520	650
流通孔径(mm)Flow port dimension	d	-	-	12	15	20	28	32	40
重量Weight (Kg)		-	-	11.1	11.8	14.1	16.5	23.8	37.5

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

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

CL1500

规格(NPS)Specification	R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF), L1(BW)	-	-	216	229	254	280	305	368
	L(RTJ)	-	-	216	229	254	280	305	371
手轮直径(mm)Handwheel diameter	W	-	-	125	125	160	160	180	200
中心高度(开)(mm)Height	H	-	-	380	380	400	450	520	650
流通孔径(mm)Flow port dimension	d	-	-	12	15	20	28	32	40
重量Weight (Kg)		-	-	11.6	12.3	15	17.5	25	38.3

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

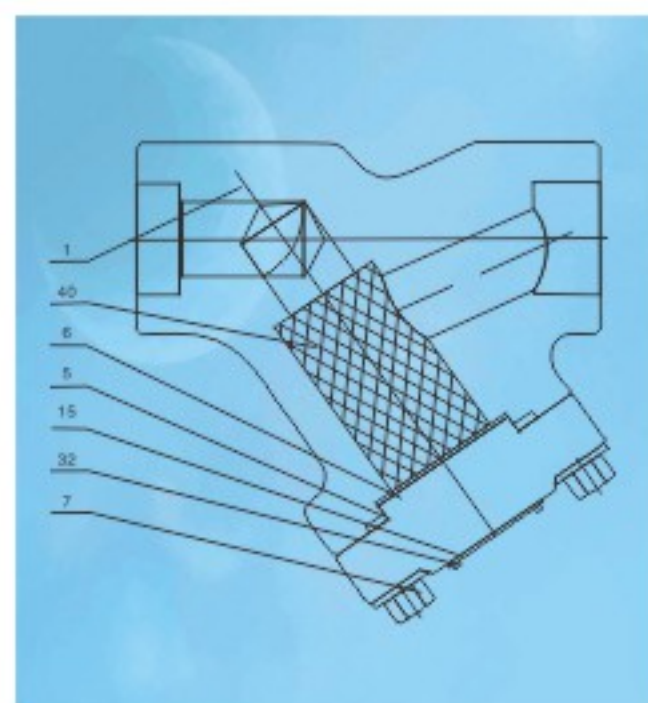
应用规范 Application standards

1. 设计制造Design and manufacture conform to BS5352 MSS SP-118;
2. 连接端尺寸Connection ends conform to
 - 1) 承插口尺寸按Socket welded ends conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸按Screw ends conform to ANSI B1.20.1; JB/T7306
 - 3) 对焊端尺寸按Butt-welded conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸按Flanged ends conform to ANSI B16.5; JB/T99
3. 阀门检查和试验Test and inspection conform to:

API 598; GB/T13927; JB/T9092
4. 结构特征Structure features:

螺栓连接阀盖(B.B)焊接阀盖(W.B) Bolted bonnet or welding bonnet
5. 材料按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。



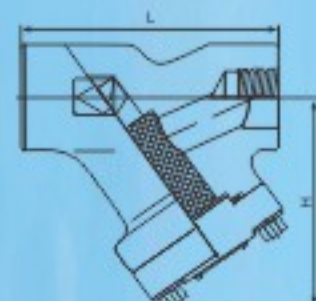
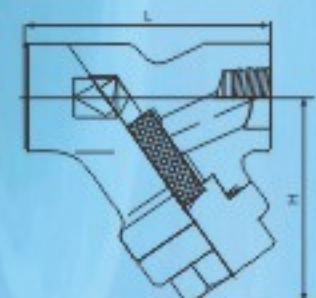
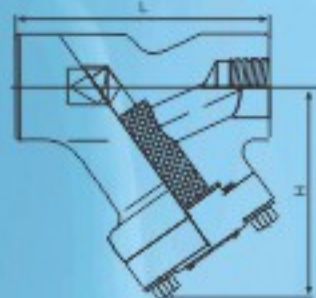
*客户订货时需要提供过滤网的目数
*如需提供排放堵塞须与LIXIANG销售人员说明
*Please offer the mesh of strainer
*If you want to equip with, you contract with our sale department

碳钢温压等级 Carbon steel temperature-pressure rate

CL150-285 P.S.I @ 100°F	CL800-1975 P.S.I @ 100°F
CL300-740 P.S.I @ 100°F	CL1500-3705 P.S.I @ 100°F
CL600-1480 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/Fa6HFS	LF2/304	A11/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)	B8(M)
15	铭牌Nameplate	AL	AL	AL	AL	AL	AL	AL
32	铆钉Rivet	H62	H62	H62	H62	H62	H62	H62
40	过滤网 Filter screen	304	304	304	304	304(L)	316(L)	316(L)



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

CL800

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

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

CL800

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

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

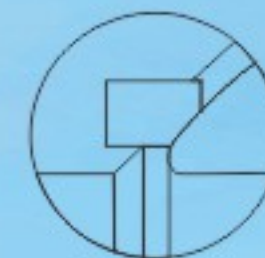
CL900-CL1500

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

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

CL900-CL1500

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



LIXIANG 锻钢球阀采用紧凑型与球体结构，由于结构合理，占地面积少，密封性能好，深受广大用户信赖。
LIXIANG Bcompact ball valves are trusted by many customers because of its reasonable structures small space-occupation and good sealing performance.

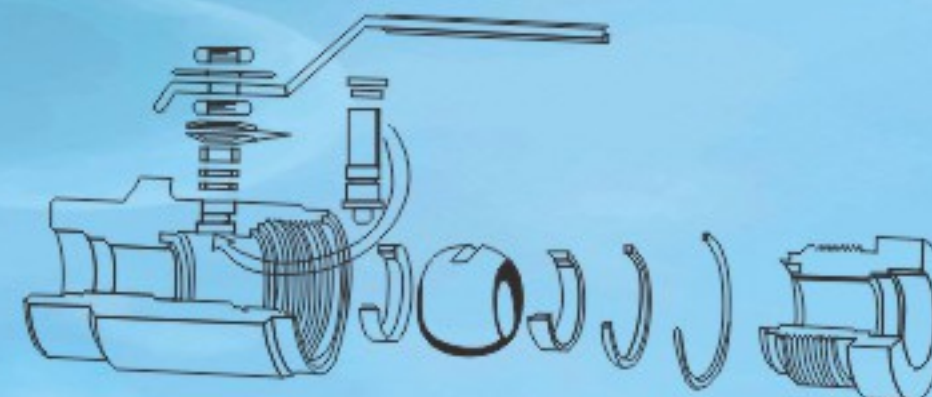
设计结构 Design structure

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

具有防火、防静电以及防阀杆吹出结构。

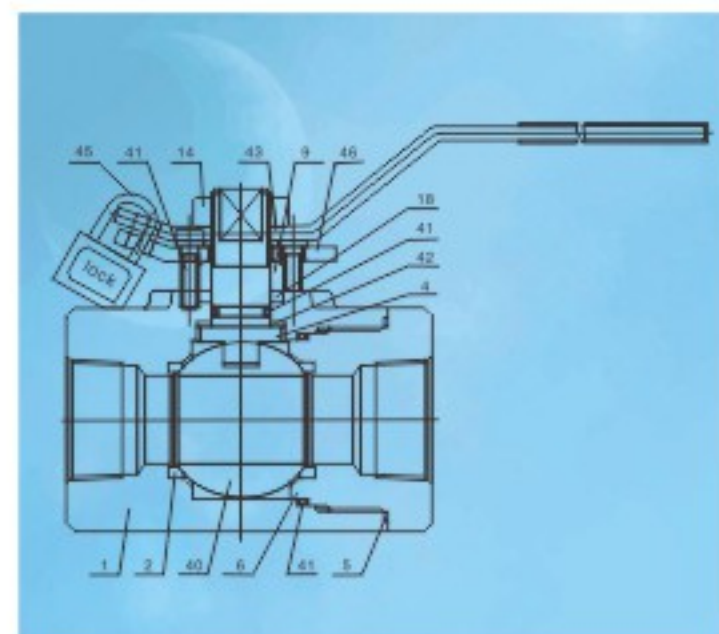
Seat is made of PTFE reinforced with 25% glass fibre or PEEK. PTFE with 25% glass fibre can gain better performances normally used for class 800 ball valves. PEEK can gain better performances under high pressure and high temperature normally used for class 1500 ball valves.

Anti static/ fire safe/ blow out proof stem



流量系数 Flow coefficient Cv

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



应用规范 Application standards

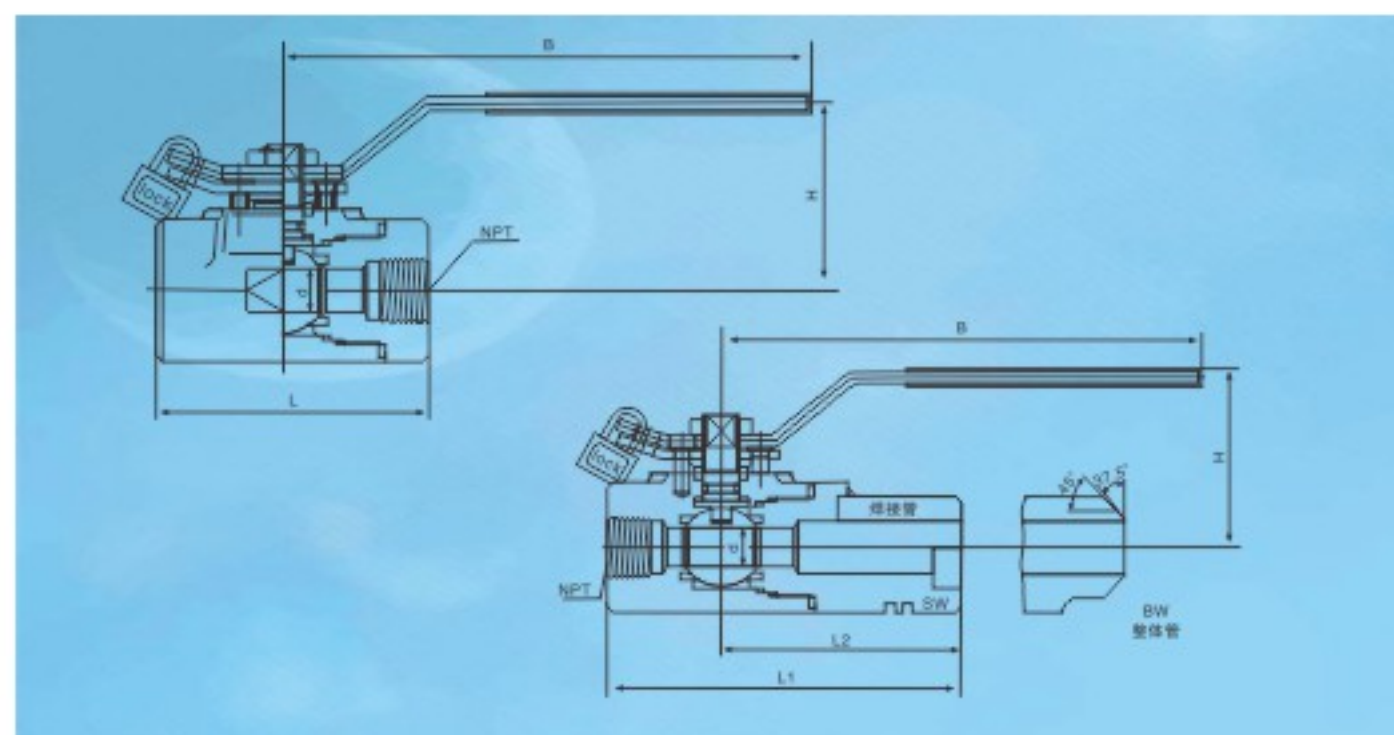
- 1、设计制造Design and manufacture conform to BS5351 MSS SP-118
- 2、连接端尺寸Connection ends conform to:
 - 1)承插口尺寸按Socket welded ends conform to ANSI B16.11;JB/T1751
 - 2)螺纹端尺寸按Screw ends conform to ANSI B1.20.1;JB/T7306
 - 3)对焊端尺寸按Butt-welded conform to ANSI B16.25;JB/T12224
 - 4)法兰端尺寸按Flanged ends conform to ANSI B16.5;JB79
- 3、阀门检查和试验Test and inspection conform to: API 598;GB/T13927;JB/T9092
- 4、结构特征Structure features: 螺栓连接阀盖,两段式 Bolted bonnet, two-piece.
- 5、材料: 按Materials conform to ANSI/ASTM的规定。
- 6、主体材料Main materials: A105;LF2;304(L); 316(L);F347;F321; F51;Monel20合金等。

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	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
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(M)	8(M)
18	填料 Packing	PTFE	PTFE	PTFE	PTFE	PTFE
40	球体 Ball	F6	F304	F304(L)	F316(L)	F51
41	O型密封圈 O-ring	VITON	VITON	VITON	VITON	VITON
42	上密封垫片 Back seat gasket	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK	RPTFE或PEEK
43	手柄 Wrench	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025
44	内六角螺钉 Screw	B8	B8	B8	B8(M)	B8(M)
45	锁 Lock	成品	成品	成品	成品	成品
46	定位片 Locator	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025	ANSI 1025

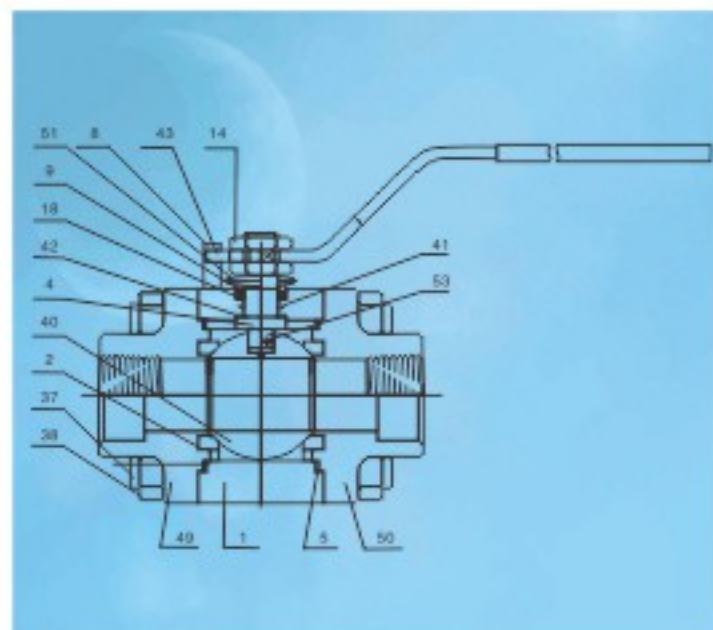


CL800 One end is welded pipe (butt-welding or socket welding) and the other is thread, design conform to BS5351

规格(NPS) Specification	口径(R.P)		1/2	3/4	1	1 1/4	1 1/2	2		
	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L1	70	70	80	95	115	125	135	155	
接管端至中心(mm)Coupling pipe end to center	L2	121	121	121	130	136	140	148	160	
中心至手柄端(mm)Center to handle end	B	160	160	160	160	170	230	230	280	
中心高度(开)(mm)Height	H	60	60	60	65	85	105	105	125	
流道孔径(mm)Flow port dimension	d	6	9	12.5	17	24	37	37	49	
重量(约)(Kg)Weight		1.2	0.9	1.3	2.2	3.5	6.5	6.5	11	

CL1500-CL2500 One end is welded pipe (butt-welding or socket welding) and the other is thread, design conform to API6D

规格(NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L1	CL1500 80	80	95	115	125	135	155	155
接管端至中心(mm) Coupling pipe end to center	L2	CL1500 121	121	130	136	140	148	160	175
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)Height	H	CL1500 60	60	65	85	105	105	125	
流道孔径(mm) Flow port dimension	d	CL1500 6	9	13	19	25	32	38	49
重量(约)(Kg)Weight		CL1500 1.2	1.5	2.5	3.7	5.8		11.5	13.7
		CL2500 1.5	1.9	2.7	4.1	6.3		12	15



应用规范 Application standards

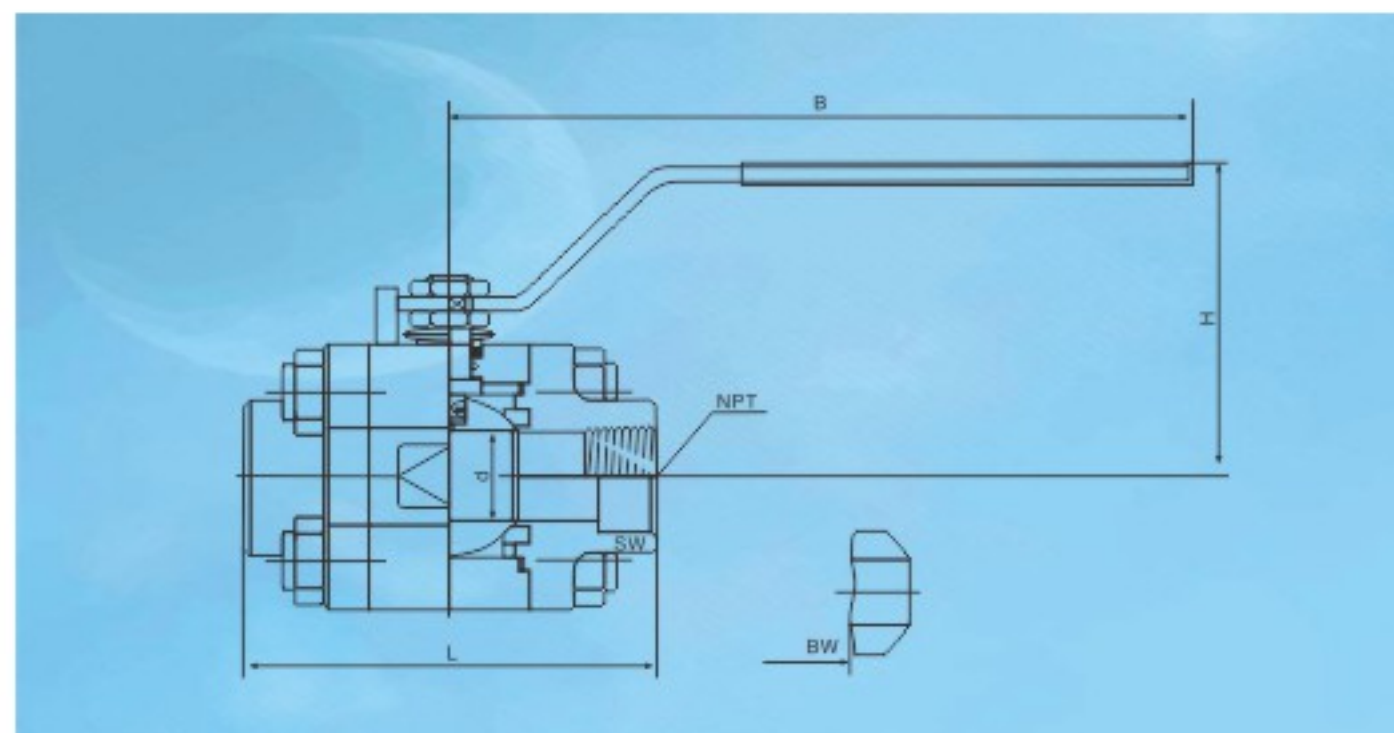
- 1、设计制造 Design and manufacture conform to BS5351 MSS SP-118;
- 2、连接端尺寸 Connection ends conform to:
 - 1) 承插口尺寸按 Socket welded ends conform to ANSI B16.11; JB/T1751
 - 2) 螺纹端尺寸按 Screw ends conform to ANSI B1.20.1; JB/T7306
 - 3) 对焊端尺寸按 Butt-welded ends conform to ANSI B16.25; JB/T12224
 - 4) 法兰端尺寸按 Flanged ends conform to ANSI B16.5; JB79
- 3、阀门检查和试验 Test and inspection conform to: API 598; GB/T13927; JB/T9092
- 4、结构特征 Structure features: 螺栓连接阀盖: 三段式 Bolted bonnet, three-piece;
- 5、材料按 Materials conform to ANSI/ASTM 的规定。
- 6、主体材料 Main materials: A105; LF2; F5; F11; F2; 304(L); 316(L); F347; F321; F51; Monel; 20 合金等。

碳钢温压等级 Carbon steel temperature-pressure rate

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

典型零件材料表 Main part materials list

序号 NO.	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	L304(L)	L316(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	8(M)	8(M)
18	填料 Packing	PTFE	PTFE	PTFE	PTFE	PTFE
37	双头螺栓 Bolt	B7	B8	B8	B8(M)	B8(M)
38	螺母 Nut	2H	8	8	8(M)	8(M)
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	蝶簧 Butterfly spring	65Mn	65Mn	304	304	304
52	弹垫 Elastic washer	65Mn	65Mn	304	304	304
53	静电弹簧 Anti-static spring	304	304	304	316L	316L



CL800-CL1500

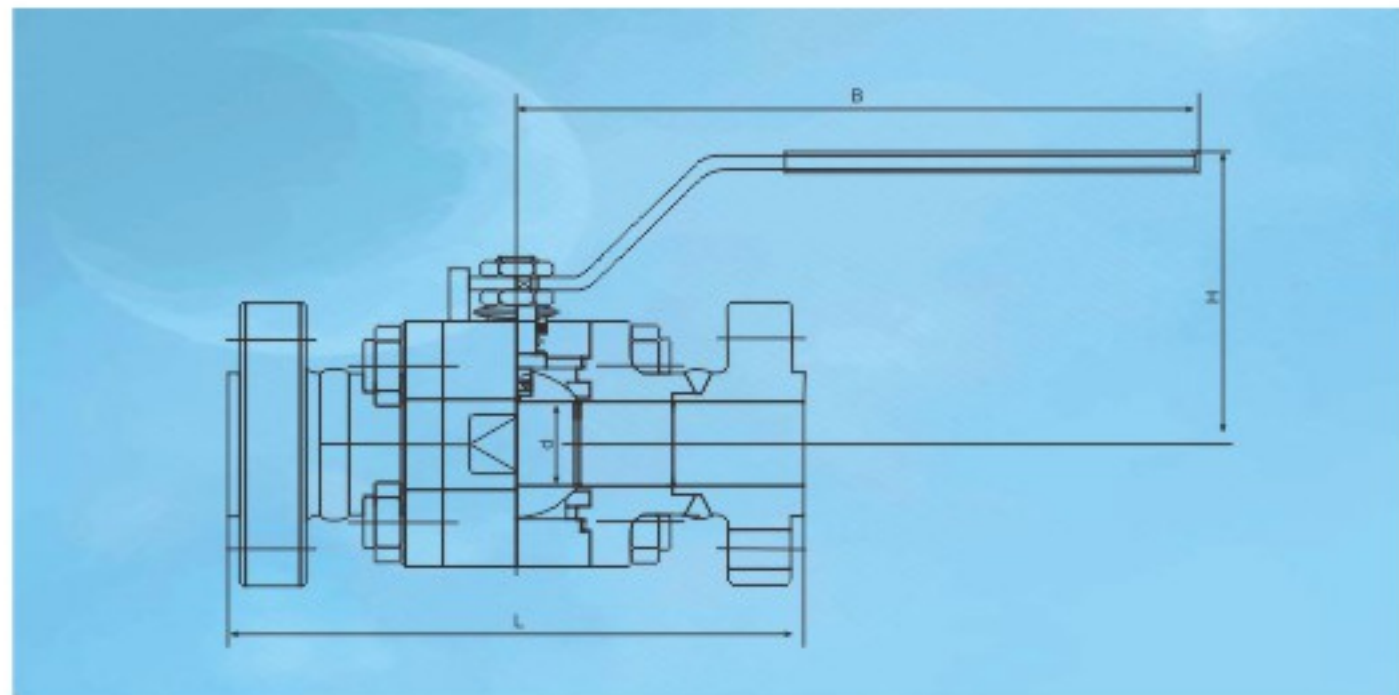
末端连接可按一端螺纹和一端接管(承插焊或对焊)设计按: BS5351
Connection ends may be pipe-welded (butt-welding or socket welding) and/or threaded, design to BS5351

规格(NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L1	92	92	92	111	127	140	152	152
中心至手柄端(mm) Center to handle end	B	108	108	108	146	178	178	200	200
中心高度(开)(mm) Height	H	51	51	51	108	81	85	105	105
流通孔径(mm) Flow port dimension	d	CL800	6	9	13	18	23	28	35
		CL1500	6	9	13	19	25	32	38
重量(约)(Kg) Weight			2.5	2.4	2.3	3.4	5.4	6.4	11
			2.5	2.4	2.3	3.7	5.8	6.8	11.5

CL2500

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

规格(NPS) Specification	全径(F.P)	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L			110	125	135		160	
中心至手柄端(mm) Center to handle end	B			170	230	230		310	
中心高度(开)(mm) Height	H			95	110	125			
流通孔径(mm) Flow port dimension	d			13	19	25		38	
重量(约)(Kg) Weight				2.7	4.1	6.3		12	



CL1500-CL2500

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

规格(NPS) Specification	全径(F.P)		1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	CL1500	216	229	256	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) Flow port dimension	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

■ 阀体与阀盖材料 Body and bonnet materials

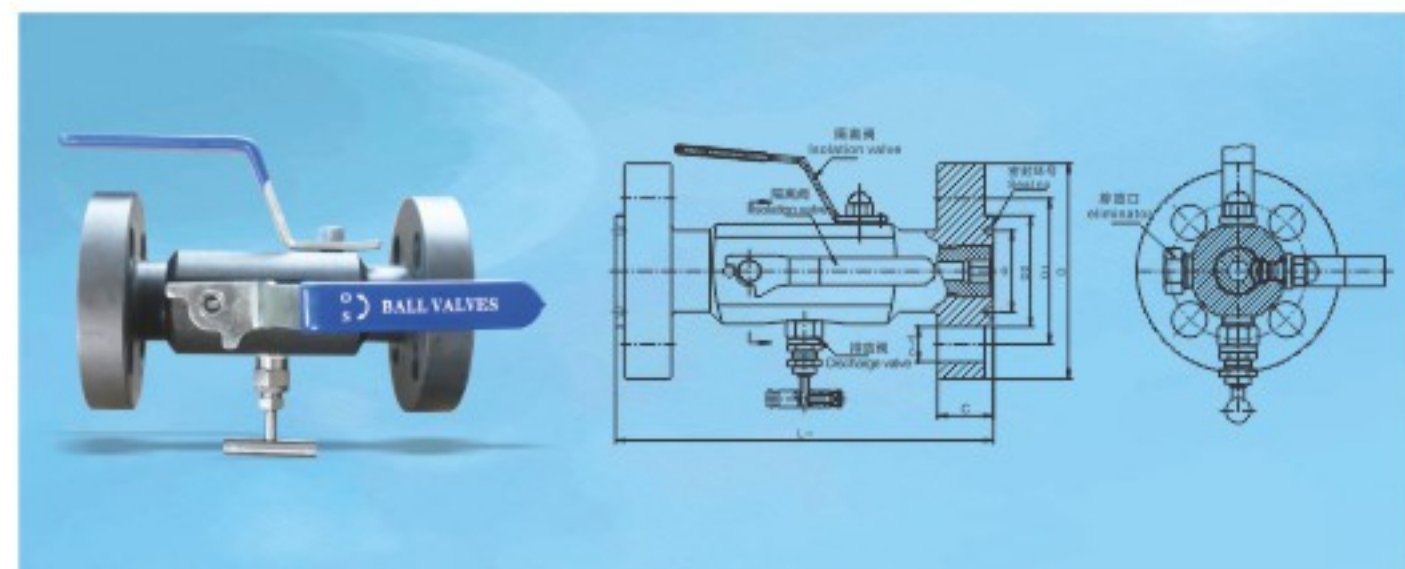
化学成份 Chemical composition	碳钢 Carbon steel	低温 Cryogenic		合金钢 Alloy steel				奥氏体不锈钢ASTM-A182 Austenite stainless steel ASTM-A182						双相不锈钢 Duplex stainless steels
	A105	LF2	LF3	F5	F91	F11 Class2	F22 Class3	F304	F304H	F304L	F316	F316L	F347H	F51
C	0.35	0.35	0.20	0.15	0.08-0.12	0.10-0.20	0.05-0.15	0.08	0.04-0.10	0.035	0.08	0.035	0.04-0.1	0.030
Mn	0.60-1.05	0.60-1.35	0.90	0.30-0.60	0.30-0.60	0.30-0.80	0.30-0.60	2.00	2.00	2.00	2.00	2.00	2.00	2.00
P	0.035	0.035	0.035	0.030	0.020	0.040	0.040	0.045	0.045	0.045	0.045	0.045	0.045	0.030
S	0.040	0.040	0.040	0.030	0.010	0.040	0.040	0.030	0.030	0.030	0.030	0.030	0.030	0.20
Si	0.10-0.35	0.15-0.35	0.20-0.35	0.50	0.20-0.50	0.50-1.00	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ni	0.40	0.40	3.3-3.7	0.50	0.40	-	-	8.0-11.0	8.0-11.0	8.0-13.0	10.0-14.0	10.0-15.0	9.0-13.0	4.5-6.5
Cr	0.30	0.30	0.30	4.0-6.0	8-9.5	1.00-1.50	2.00-2.50	18.0-20.0	18.0-20.0	18.0-20.0	16.0-18.0	16.0-18.0	17.0-20.0	2.1-2.3
Mo	0.12	0.12	0.12	0.44-0.65	0.85-1.05	0.44-0.65	0.87-1.13	-	-	-	2.00-3.00	2.00-3.00	-	2.5-3.5

机械性能 Mechanical property	ASTM A105	LF2	LF3	F5	F91	F11 Class2	F22 Class3	F304	F304H	F304L	F316	F316L	F347H	F51
抗拉强度 Tensile strength	70	70-95	70-95	70	85	70	75	75	75	70	75	70	75	90
屈服强度 Yield strength	36	36	37.5	40	60	40	45	30	30	25	30	25	30	65
延伸率 Elongation at Rupture	22	22	22	20	20	20	20	30	30	30	30	30	30	25
断面收缩率 Shrinkage of R.A.	30	30	35	35	40	30	30	50	50	50	50	50	50	45
布氏硬度 Brinell hardness	187(2)	197	197	143-217	≤248	143-207	156-207	-	-	-	-	-	-	-

■ 内件与螺栓材料 Trim and bolt materials

化学成份 Chemical composition	内件材料 Trim materials					螺栓材料 Bolt materials				
	AISI 410	AISI 416	AISI 420	ASTM B164 Monel	Stellite Gr.6	ASTM A193		AISI 430	ASTM A194	
						B7	B8		2H	G8
C	0.15max.	0.15max.	0.15max.	0.3max.	1.00	0.37-0.49	0.08max.	0.12max.	0.40min.	0.08max.
Mn	1.00max.	1.25max.	1.00max.	2.0max.	1.00max.	0.65-1.10	2.0max.	1.00max.	1.00max.	2.00max.
P	0.040	0.060max.	0.040	-	-	0.035	0.045	0.040	0.040max.	0.045
S	0.030	0.15max.	0.030	0.024	-	0.04	0.030	0.030	0.050max.	0.030
Si	1.00max.	1.00max.	1.00max.	0.5max.	1.00	0.15-0.35	1.00max.	1.00max.	0.40max.	1.00max.
Cr	11.50-13.50	12.0-14.0	12.0-14.0	-	28.00	0.75-1.20	18.0-20.0	14.0-18.0	-	18.0-20.0
Ni	-	-	-	63.0min.	3.0max.	-	8.0-11.0	-	-	8.00-11.0
Mo	-	0.600max.	-	-	-	0.15-0.25	-	-	-	-
Cu	-	-	-	28.0-34.0	-	-	-	-	-	-
其它元素 Other element	-	-	-	Fe-2.5max.	Fe-3.0max. W-4.0 Co-balance	-	-	-	-	-

机械性能 Mechanical property	410	416	420	ASTM A164	Gr.6	B7	B8	430	2H	G8
抗拉强度 Tensile strength	99/85 70/130	85/170 85/170	149/298 105/210	70(2) 49.2	-	125 87.8	75 52.7	75.4 53	-	-
屈服强度 Yield strength	59/170 42/120	59/128 42/90	119/199 84/140	25(2) 17.6	-	105 73.8	30 21	40 28	-	-
延伸率 Elongation at Rupture	(15)(1)	(10)(1)	(8)(1)	(35)(2)	-	16	30	28	-	-
断面收缩率 Shrinkage of R.A.	50/75	8/60	5/40	-	-	50	50	65	-	-
布氏硬度 Brinell hardness	180-375	180/375	300-600	-	HRCmin.37	-	-	160	248-352	126-300



主要连接尺寸 Main connection 3/4"DBBQ41RC-10CL600-2500HRJ

压力Class	D	D1	D2	φ (RF)	φ (RJ)-环号(R)	C	n-d
CL600	210	115	82.6	43		22.9	4-18
CL600	210	115	82.6	63.5	42.88 R13	22.9	4-18
CL900	240	130	88.9	66.5	44.45 R14	32.5	4-22
CL1500	240	130	88.9	66.5	44.45 R14	32.5	4-22
CL2500	270	140	95.2	73.0	50.80 R16	38.8	4-22

主要连接尺寸 Main connection 1"2DBBQ41RC-14CL600-2500HRJ

压力Class	L	D	D1	D2	D3	φ (RJ)-环号(R)	C	n-d
CL600	245	125	89.0	51	54		24.5	4-18
CL600	245	125	89.0	70	54	82.5 R16	24.5	4-18
CL900	265	150	101.6	71.5	52	95.25 R16	35.6	4-26
CL1500	265	150	101.6	71.5	52	95.25 R16	35.6	4-26
CL2500	280	160	108.0	82.5	57	101.6 R18	42.0	4-26

主要连接尺寸 Main connection 2"2DBBQ41RC-14CL600-2500HRJ

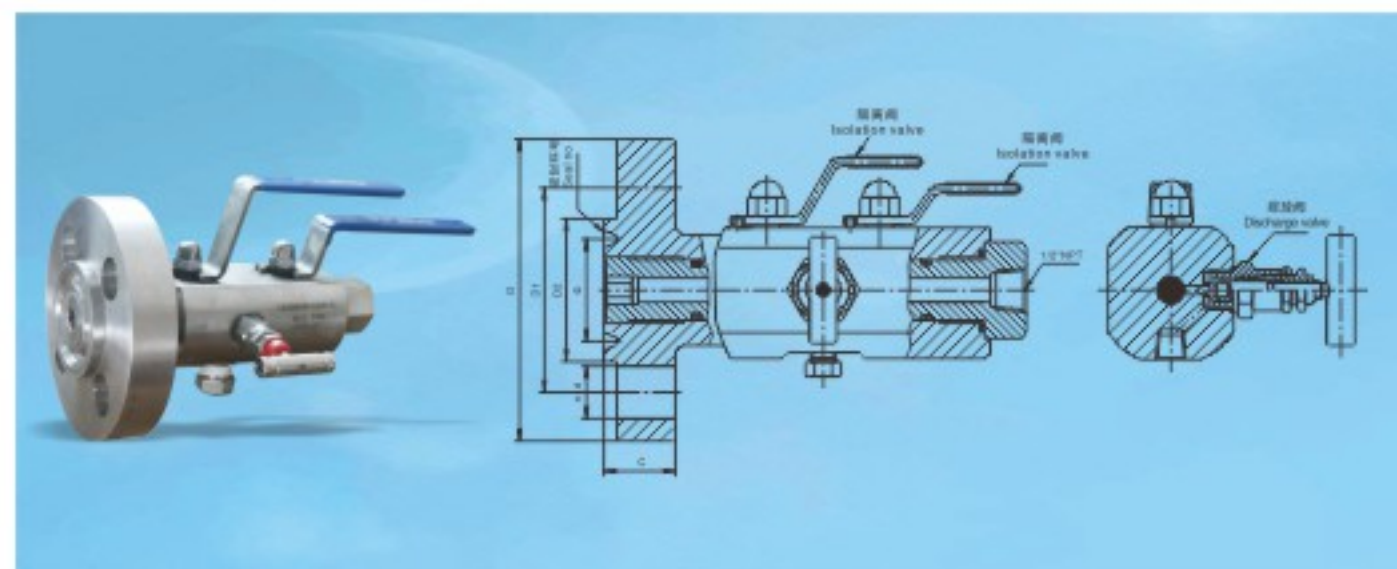
压力Class	L	D	D1	D2	φ (RJ)-环号(R)	C	n-d
CL600	263	165	127	92		32.7	8-19
CL600	263	165	127	108	82.5 R23	32.7	8-19
CL900	290	215	165.1	124	95.25 R24	45.1	8-25
CL1500	290	215	165.1	124	95.25 R24	45.1	8-25
CL2500	320	235	171.4	133	101.6 R26	58.0	8-29

设计制造技术规范

1. 阀门的设计制造按JB/T7747-2006的标准要求执行。
2. 阀门的检验和验收按API598的标准要求执行。
3. 法兰的连接尺寸ASME B16.5 HG/T20615标准按标准要求执行。
4. 阀门的强度试验按公称压力的1.5倍进行水压试验。
5. 阀门的密封试验按公称压力的1.1倍进行水压试验。
6. 阀门的气密封试验按公称压力的0.6MPa进行气密封试验。

Technical Specification For Design And Manufacture

1. The design and manufacture of valves shall be carried out according to the standard requirements of JB/T7747-2006.
2. The inspection and acceptance of valves shall be carried out according to the standard requirements of API598.
3. Flange connection size ASME B16.5 HG/T20615 standard requirements.
4. The strength test of the valve is done at 1.5 times the nominal pressure.
5. The sealing test of the valve is carried out by 1.1 times the nominal pressure.
6. The gas seal test of the valve is carried out according to the nominal pressure of 0.6MPa for gas seal test.



主要连接尺寸 Main connection LX1"DBBQ41RP-12CL600-2500HRJ/1/2NPTF

压力Class	D	D1	D2	φ (RF)	φ (RJ)-环号(R)	C	n-d
CL600	125			51		24.5	4-18
CL600	125	88.9	50.8		70 R16	24.5	4-18
CL900	150	88.9	50.8		71.5 R16	35.5	4-26
CL1500	150	101.6	50.8		71.5 R16	35.5	4-26
CL2500	160	101.6	60.3		82.5 R18	41.5	4-26

设计制造技术规范

1. 阀门的设计制造按JB/T7747-2006的标准要求执行。
2. 阀门的检验和验收按API598的标准要求执行。
3. 法兰的连接尺寸ASME B16.5 HG/T20615的标准要求执行。
4. 阀门的强度试验按公称压力的1.5倍进行水压试验。
5. 阀门的密封试验按公称压力的1.1倍进行水压试验。
6. 阀门的气密封试验按公称压力的0.6MPa进行气密封试验。

Technical Specification For Design And Manufacture

1. The design and manufacture of valves shall be carried out according to the standard requirements of JB/T7747-2006.
2. The inspection and acceptance of valves shall be carried out according to the standard requirements of API598.
3. Flange connection size ASME B16.5 HG/T20615 standard requirements.
4. The strength test of the valve is done at 1.5 times the nominal pressure.
5. The sealing test of the valve is carried out by 1.1 times the nominal pressure.
6. The gas seal test of the valve is carried out according to the nominal pressure of 0.6MPa for gas seal test.

温度压力等级 Temperature-pressure rate(Psig)-F

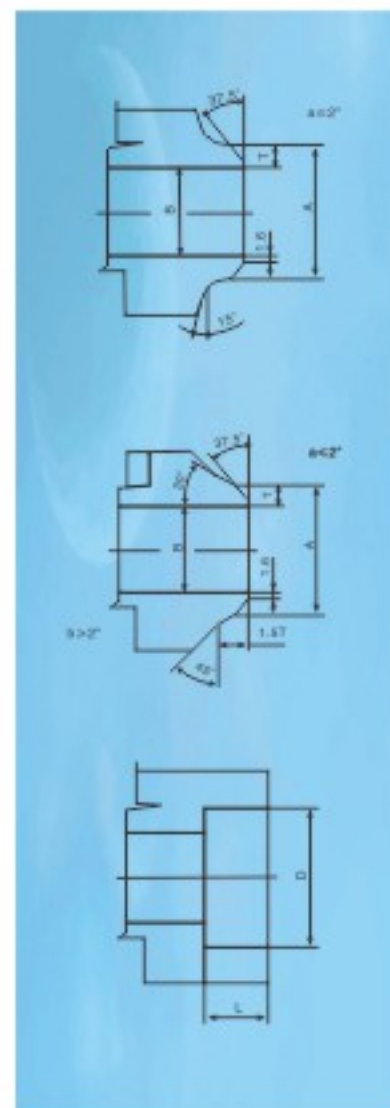
Class150/300/600/800/900/1500/2500

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

温度压力等级 Temperature-pressure rate(Psig)-F

Class150/300/600/800/900/1500/2500

材料 Materials	F22							F91							F304 F304H						
Class	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500	150	300	600	800	900	1500	2500
-20 to 100	290	750	1500	2000	2250	3750	6250	290	750	1500	2000	2250	3750	6250	275	720	1440	1920	2160	3600	6000
200	260	750	1500	1910	2250	3750	6250	260	750	1500	2000	2250	3750	6250	230	600	1200	1600	1800	3000	5000
300	230	730	1455	1805	2185	3640	6070	230	730	1455	1940	2185	3640	6070	205	540	1080	1410	1620	2700	4500
400	200	705	1410	1730	2115	3530	5880	200	705	1410	1880	2115	3530	5880	190	495	995	1255	1490	2485	4140
500	170	665	1330	1705	1995	3325	5540	170	665	1330	1775	1995	3325	5540	170	465	930	1165	1395	2330	3880
600	140	605	1210	1615	1815	3025	5040	140	605	1210	1615	1815	3025	5040	140	435	875	1105	1310	2185	3640
650	125	590	1175	1570	1765	2940	4905	125	590	1175	1570	1765	2940	4905	125	430	860	1090	1290	2150	3580
700	110	570	1135	1515	1705	2840	4730	110	570	1135	1515	1705	2840	4730	110	425	850	1075	1275	2125	3540
750	95	530	1065	1420	1595	2660	4430	95	530	1065	1420	1595	2660	4430	950	415	830	1060	1245	2075	3460
800	80	510	1015	1355	1525	2540	4230	80	510	1015	1355	1525	2540	4230	80	105	805	1050	1210	2015	3360
850	65	485	975	1300	1460	2435	4060	65	485	975	1300	1460	2435	4060	65	395	790	1035	1190	1980	3300
900	50	450	900	1200	1350	2245	3745	50	450	900	1200	1350	2245	3745	50	390	780	1025	1165	1945	3240
950	35	375	755	1005	1130	1885	3145	35	385	775	1030	1160	1930	3220	35	380	765	1000	1145	1910	3180
1000	20	260	520	715	780	1305	2170	20	365	725	970	1090	1820	3030	20	320	640	860	965	1605	2675
1050		175	350	530	525	875	1455	20	360	720	960	1080	1800	3000		310	615	825	925	1545	2570
1100		110	220	300	330	550	915	20	300	605	805	905	1510	2515		255	515	685	770	1285	2145
1150		70	135	275	205	345	570	20	225	445	595	670	1115	1855		200	400	520	595	995	1655
1200		40	80	145	125	205	345	20	145	290	385	430	720	1200		155	310	415	465	770	1285
1250																115	225	295	340	565	945
1300																85	170	220	255	430	715


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

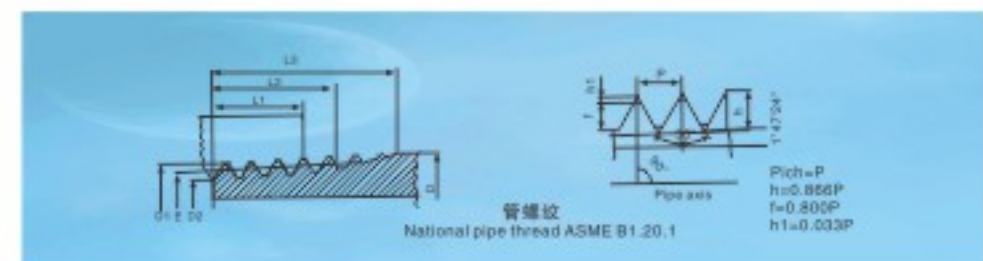
单位Unit:mm

公称管径 Normal diameter	SCH.40			SCH.80			SCH.160			SCH.XXS		
	A	B	T	A	B	T	A	B	T	A	B	T
1/2	21.3	15.8	2.77	21.3	13.8	3.73	21.3	11.7	4.78	21.3	6.4	7.47
3/4	26.7	25.0	2.87	26.7	18.9	3.91	26.7	15.6	5.56	26.7	11.1	7.82
1	33.4	26.6	3.38	33.4	24.3	4.55	33.4	20.7	6.35	33.4	15.2	9.09
1 1/4	42.2	35.1	3.55	42.2	32.5	4.85	42.2	29.5	6.35	42.2	22.8	9.70
1 1/2	48.3	41.0	3.68	48.3	38.1	5.08	48.3	33.5	7.41	48.3	28.0	10.15
2	60.3	52.5	3.91	60.3	49.2	5.54	60.3	42.9	8.74	60.3	38.2	11.07
2 1/2	73.0	62.7	5.15	73.0	59.0	7.01	73.0	54.0	9.53	73.0	45.0	14.02
3	88.9	78.0	5.48	88.9	73.7	7.62	88.9	66.6	11.13	88.9	58.4	15.24
4	114.3	102.3	6.02	114.3	97.2	8.56	114.3	85.3	13.49	114.3	80.1	17.12

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

单位Unit:mm

公称管径 Normal diameter	中国JB		美国ANSI		日本JIS	
	D	L	D	L	D	L
1/4	14.5	10.0	14.1	9.6	14.3	9.6
3/8	18.0	10.0	17.6	9.6	17.9	9.6
1/2	22.5	10.0	21.8	9.6	22.2	9.6
3/4	28.5	11.0	27.1	12.7	27.7	12.7
1	34.5	12.0	33.8	12.7	34.5	12.7
1 1/4	43.0	14	42.6	12.7	43.2	12.7
1 1/2	49.0	15	48.7	12.7	49.1	12.7
2	61.2	16	61.2	15.9	61.2	15.9


螺纹标准 Thread standard ASME B 1.20.1

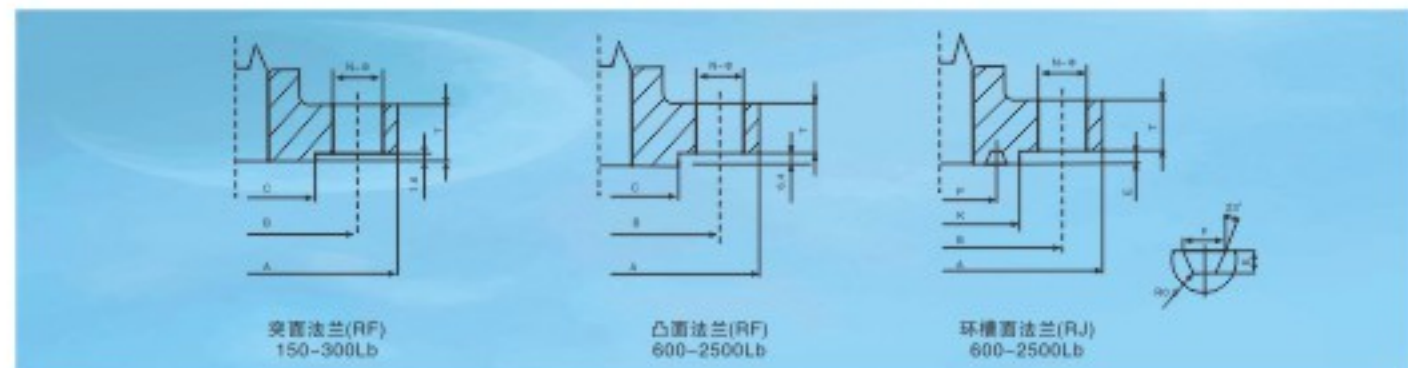
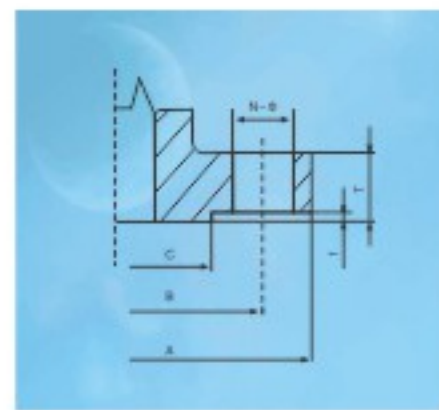
单位Unit:mm

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

德标法兰 DIN flange-2544-45-46

单位:mm

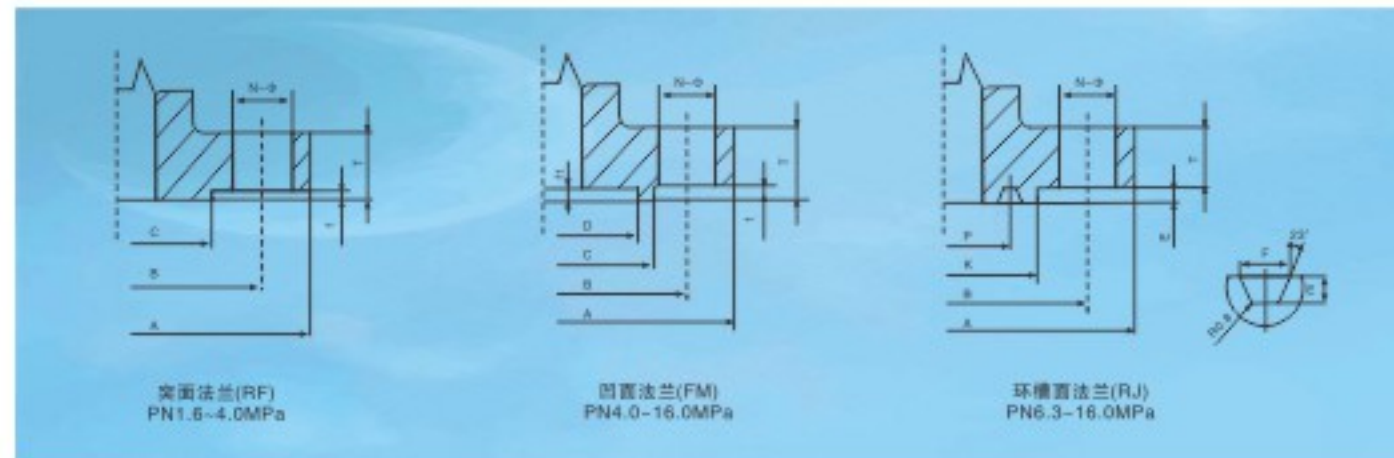
PN	DN	NPS	A	B	C	T	I	螺栓孔 Bolt hole	
								N	Φ
25 40	15	1/2	95	65	45	16	2	4	14
	20	3/4	105	75	58	18	2	4	14
	25	1	115	85	68	18	2	4	14
	32	1 1/4	140	100	78	18	2	4	18
	40	1 1/2	150	110	88	18	3	4	18
64	50	2	165	125	102	20	3	4	18
	15	1/2	105	75	45	20	2	4	14
	20	3/4	130	90	58	22	2	4	18
	25	1	140	100	65	24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



法兰尺寸 Flange Dimensions

ASME B16.5 单位:mm

CLASS	NPS	A	B	C	T	螺栓孔 Bolt hole		环连接面 Ring type joint				环号 Ring No
						N	Φ	K	P	F	E	
150	1/2	89	60.3	34.9	11.5	4	16	-	-	-	-	-
	3/4	98	69.8	42.9	13.0	4	16	-	-	-	-	-
	1	108	79.4	50.8	14.5	4	16	63.5	47.62	8.74	6.4	R15
	1 1/4	117	88.9	63.5	16.0	4	16	73.0	57.15	8.74	6.4	R17
	1 1/2	127	98.4	73.0	17.5	4	16	82.5	65.07	8.74	6.4	R19
	2	152	120.6	92.1	19.5	4	20	102.0	82.55	8.74	6.4	R22
300	1/2	95	66.7	34.9	14.5	4	16	51.0	34.14	7.14	5.6	R11
	3/4	117	82.5	42.9	16.0	4	20	63.5	42.88	8.74	6.4	R13
	1	124	88.9	50.8	17.5	4	20	70.0	50.80	8.74	6.4	R16
	1 1/4	133	98.4	63.5	19.5	4	20	79.5	60.32	8.74	6.4	R18
	1 1/2	156	114.3	73.0	21.0	4	23	90.5	68.28	8.74	6.4	R20
	2	165	127.0	92.1	22.5	8	20	108.0	82.55	11.91	8.0	R23
600	1/2	95	66.7	34.9	14.5	4	16	51.0	34.14	7.14	5.6	R11
	3/4	117	82.5	42.9	16.0	4	20	63.5	42.88	8.74	6.4	R13
	1	124	88.9	50.8	17.5	4	20	70.0	50.80	8.74	6.4	R16
	1 1/4	133	98.4	63.5	21.0	4	20	79.5	60.32	8.74	6.4	R18
	1 1/2	156	114.3	73.0	22.5	4	23	90.5	68.28	8.74	6.4	R20
	2	165	127.0	92.1	25.5	8	20	108.0	82.55	11.91	8.0	R23
900 1500	1/2	121	82.5	34.9	22.5	4	23	60.5	39.67	8.74	6.4	R12
	3/4	130	88.9	42.9	25.5	4	23	66.5	44.45	8.74	6.4	R14
	1	149	101.6	50.8	29.0	4	26	71.5	50.80	8.74	6.4	R16
	1 1/4	159	111.1	63.5	29.0	4	26	81.0	60.32	8.74	6.4	R18
	1 1/2	178	123.8	73.0	32.0	4	29	92.0	68.28	8.74	6.4	R20
	2	216	165.1	92.1	38.5	8	26	124.0	92.25	11.91	8.0	R24
2500	1/2	133	88.9	34.9	30.5	4	23	65.0	42.88	8.74	6.4	R13
	3/4	140	95.2	42.9	32.0	4	23	73.0	50.80	8.74	6.4	R16
	1	159	107.9	50.8	35.0	4	26	82.5	60.32	8.74	6.4	R18
	1 1/4	184	130.2	63.5	38.5	4	29	101.5	72.24	11.91	6.4	R21
	1 1/2	203	146	73.0	44.5	4	32	114.5	82.55	11.91	6.4	R23
	2	235	171.4	92.1	51.0	8	29	133.5	101.60	11.91	8.0	R26



法兰尺寸 Flange Dimensions

JB/T79.1 4-94; JB/T82.1 4-94 单位:mm

PN (MPa)	DN	A	B	C	D	T	I	I1	螺栓孔 Bolt hole		环连接面 Ring type joint			
									N	Φ	K	P	F	E
1.6	10	90	60	40	-	14	2	-	4	14	-	-	-	-
	15	95	65	45	-	14	2	-	4	14	-	-	-	-
	20	105	75	55	-	14	2	-	4	14	-	-	-	-
	25	115	85	65	-	14	2	-	4	14	-	-	-	-
	32	135	100	78	-	16	2	-	4	18	-	-	-	-
	40	145	110	85	-	16	3	-	4	18	-	-	-	-
2.5 4.0	50	160	125	100	-	16	3	-	4	18	-	-	-	-
	10	90	60	40	35	16	2	4	4	14	-	-	-	-
	15	95	65	45	40	16	2	4	4	14	-	-	-	-
	20	105	75	55	51	16	2	4	4	14	-	-	-	-
	25	115	85	65	58	16	2	4	4	14	-	-	-	-
	32	135	100	78	66	18	2	4	4	18	-	-	-	-
6.3	40	145	110	85	76	18	3	4	4	18	-	-	-	-
	50	160	125	100	88	20	3	4	4	18	-	-	-	-
	10	100	70	50	35	18	2	4	4	14	50	35	9	6.5
	15	105	75	55	40	18	2	4	4	14	55	35	9	6.5
	20	125	90	68	51	20	2	4	4	18	68	45	9	6.5
	25	135	100	78	58	22	2	4	4	18	78	50	9	6.5
10.0	32	150	110	82	66	24	2	4	4	23	82	65	9	6.5
	40	165	125	95	76	24	3	4	4	23	95	75	9	6.5
	50	175	135	105	88	26	3	4	4	23	105	85	12	8
	10	100	70	50	35	18	2	4	4	14	50	35	9	6.5
	15	105	75	55	40	20	2	4	4	14	55	35	9	6.5
	20	125	90	68	51	22	2	4	4	18	68	45	9	6.5
16.0	25	135	100	78	58	24	2	4	4	18	78	50	9	6.5
	32	150	110	82	66	24	2	4	4	23	82	65	9	6.5
	40	165	125	95	76	26	3	4	4	23	95	75	9	6.5
	50	195	145	112	88	28	3	4	4	25	112	85	12	8
	15	110	75	55	40	24	2	4	4	18	52	35	9	6.5
	20	130	90	62	51	26	2	4	4	23	62	45	9	6.5
	25	140	100	72	58	28	2	4	4	23	72	50	9	6.5
	32	165	115	85	66	30	2	4	4	25	85	65	9	6.5
	40	175	125	92	76	32	3	4	4	27	92	75	9	6.5
	50	215	165	132	88	36	3	4	8	25	132	95	12	8

注Note: 1. 凸面、凹面法兰厚度(T)包括凸出部分高度I1, 环槽面法兰厚度(T)不包括凸出部分高度E, therefore or fm thickness(T) include bulge height I1, RJ/F thickness(T) not include height E.
2. PN<100法兰密封形式一般为凹面法兰, 如用户需要环槽面法兰(RJ), 请与LIXIANG销售人员在合同中注明。
When PN<100, flange sealing type normal is rj, if user need RJ flange, please contact with our sell personnel and mark in contract.

钢制卡套式管接头系列

STEEL CARD SLEEVE JOINT SERIES

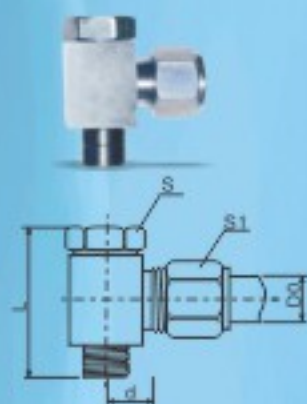


钢制卡套式管接头 SteelCard Sleeve Joint

理想阀门 

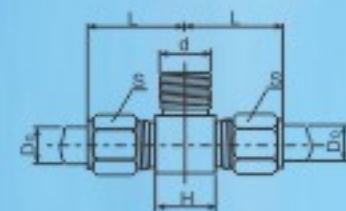
直通管接头

The connector deals with contact
参照标准 According to standard: GB3750.1-83
执行标准 The performance is standard: Q/ZB.1051



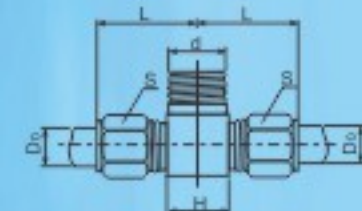
三通终端接头

The direct shipping links terminal deals with contact
参照标准 According to standard: GB3741.1-83
执行标准 The performance is standard: Q/ZB.1090.1



三通终端管接头

The direct shipping links terminal
and tube deals with contact
参照标准 According to standard: GB3741.1-83
执行标准 The performance is standard: Q/ZB.1090.2



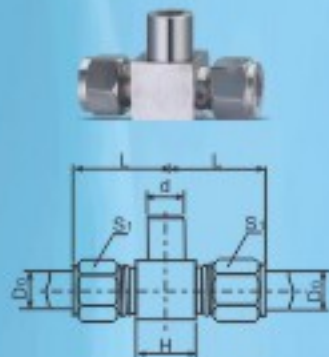
序号 NO	D ₀	d	L	S
1	φ4	M10×1	31	14
2	φ6	G1/8	31	17
3	φ8	G1/4	36	17
4	φ10	M14×1.5	42	19
5	φ12	M16×1.5	44	24
6	φ12	G3/8	48	24
7	φ14	M20×1.5	46	24
8	φ14	G1/2	48	24
9	φ14	M24×1.5	48	24
10	φ16	G3/4	59	30
11	φ18	M36×2	59	32

序号 NO	D ₀	d	L	S
1	φ3	G1/8	21	10
2	φ4	M10×1	23	10
3	φ6	M12×1.25	27	12
4	φ8	G1/4	30	14
5	φ10	G3/8	33	17
6	φ12	M18×1.5	34	19
7	φ14	G1/2	35	22
8	φ16	M20×1.5	37	22
9	φ18	G1/2	37	24
10	φ22	G3/4	42	30
11	φ28	G1	46	36
12	φ34	G1 1/4	56	41
13	φ42	G1 1/2	61	50

序号 NO	D ₀	d	L	S
1	φ3	ZG1/8"	21	10
2	φ4	ZG1/8"	23	10
3	φ6	ZG1/4"	27	12
4	φ8	ZG1/4"	30	14
5	φ10	ZG1/4"	33	17
6	φ12	ZG3/8"	34	19
7	φ14	ZG3/8"	35	22
8	φ16	ZG1/2"	37	22
9	φ18	ZG1/2"	37	24
10	φ22	ZG3/4"	42	30
11	φ28	ZG1"	46	36
12	φ34	ZG1 1/4"	56	41
13	φ42	ZG1 1/2"	61	50

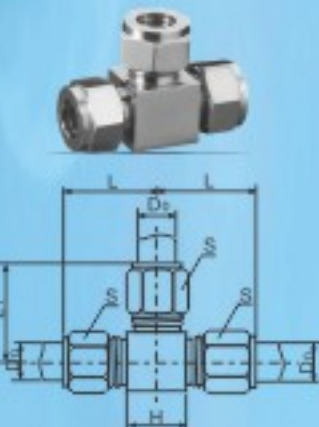
三通组合接头

The direct shipping links combination deals with contact
参照标准 According to standard: GB3753.1-83
执行标准 The performance is standard: Q/ZB.1073



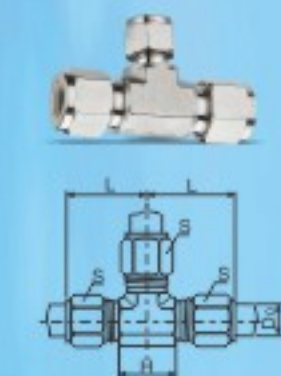
三通中间接头

The direct shipping links deals with contact in the center
参照标准 According to standard: GB3745.1-83
执行标准 The performance is standard: Q/ZB.1032



三通中间接头

The direct shipping links different path deals with contact
参照标准 According to standard: GB3745.1-83
执行标准 The performance is standard: Q/ZB.1035



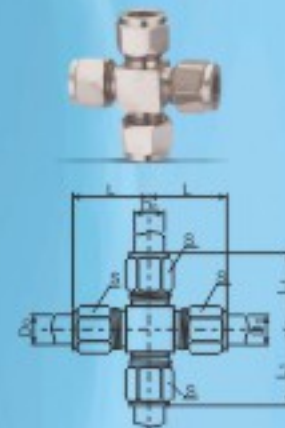
序号 NO	D0	d	L	S1
1	φ4	φ4	23	10
2	φ6	φ6	27	12
3	φ8	φ8	30	14
4	φ10	φ10	33	17
5	φ12	φ12	34	19
6	φ14	φ14	35	22
7	φ16	φ16	37	22
8	φ18	φ18	37	24
9	φ22	φ22	42	30
10	φ28	φ28	46	36
11	φ34	φ34	56	41
12	φ42	φ42	61	50

序号 NO	D0	L	L1	S
1	φ3	21	21	10
2	φ4	23	23	10
3	φ6	27	27	12
4	φ8	30	30	14
5	φ10	33	33	17
6	φ12	34	34	19
7	φ14	35	35	22
8	φ16	37	37	22
9	φ18	37	37	24
10	φ22	45	45	30
11	φ28	49	49	36
12	φ34	56	56	41
13	φ42	61	61	50

序号 NO	D0	L	L1	S
1	φ3	21	21	10
2	φ4	23	23	10
3	φ6	27	27	12
4	φ8	30	30	14
5	φ10	33	33	17
6	φ12	34	34	19
7	φ14	35	35	22
8	φ16	37	37	22
9	φ18	37	37	24
10	φ22	45	45	30
11	φ28	49	49	36
12	φ34	56	56	41
13	φ42	61	61	50

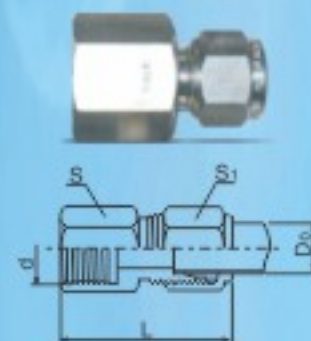
四通中间接头

4 deal with contact in the center
参照标准 According to standard: GB3745.1-83
执行标准 The performance is standard: Q/ZB.1042



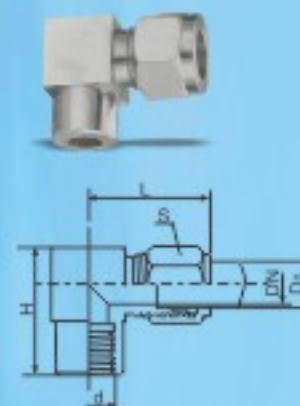
压力表直通接头

Manometer keeps to deal with contact
参照标准 According to standard: GB3751.1-83
执行标准 The performance is standard: Q/ZB.1013



压力表弯通接头

Manometer bends to deal with contact
参照标准 According to standard: K12-4
执行标准 The performance is standard: Q/ZB.1023



序号 NO	D0	L	L1	S
1	φ3	21	21	10
2	φ4	23	23	10
3	φ6	27	27	12
4	φ8	30	30	14
5	φ10	33	33	17
6	φ12	34	34	19
7	φ14	35	35	22
8	φ16	37	37	22
9	φ18	37	37	24
10	φ22	42	42	30
11	φ28	46	46	36
12	φ34	56	56	41
13	φ42	61	61	50

序号 NO	D0	d	L	S
1	φ6	M10×1	37	17
2	φ6	M14×1.5	39	19
3	φ6	M20×1.5	40	27
4	φ14	M20×1.5	41	27

序号 NO	D0	d	L	H
1	φ6	M10×1	27	20
2	φ6	M14×1.5	30	21
3	φ6	M20×1.5	32	28
4	φ14	M20×1.5	37	30

对焊式压垫密封管接头系列

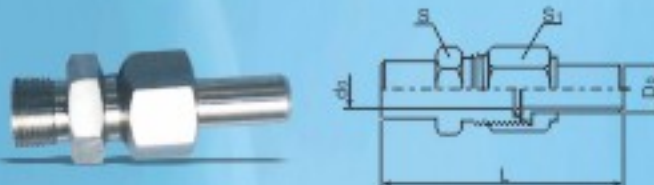
WELDING TYPE PRESSURE PAD SEAL PIPE JOINTB SERIES



对焊式压垫密封管接头 Welding Type Pressure Pad Seal Pipe Joint

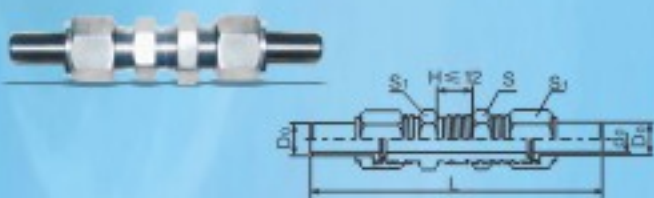
直通中间接头(二)

Keep to deal with contact in the center
参照标准 According to standard: JB970-77
执行标准 The performance is standard: Q/ZB.1212



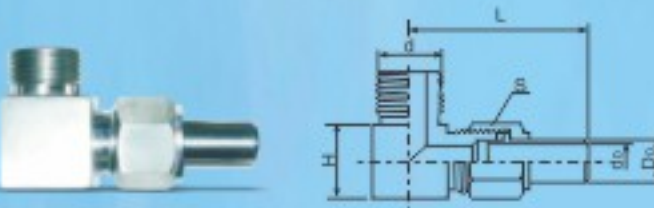
直通穿板接头

Keeping wears plank to deal with contact
参照标准 According to standard: JB974-77
执行标准 The performance is standard: Q/ZB.1214



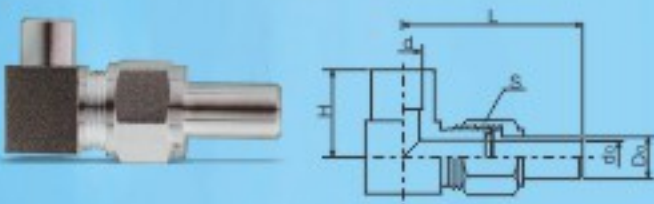
弯通终端接头

The curved head terminal deals with contact
参照标准 According to standard: K12-22
执行标准 The performance is standard: Q/ZB.1220.1



弯通中间接头(一)

The curved deals with contact in the center
参照标准 According to standard: JB971-77
执行标准 The performance is standard: Q/ZB.1222.1



序号 NO	D ₀	L	S	S ₁
1	φ6	44	14	17
2	φ10	49	19	17
3	φ14	60	27	22
4	φ18	66	32	27
5	φ22	69	36	30
6	φ28	75	41	36
7	φ34	87	50	46
8	φ42	97	60	55
9	φ50	106	70	65

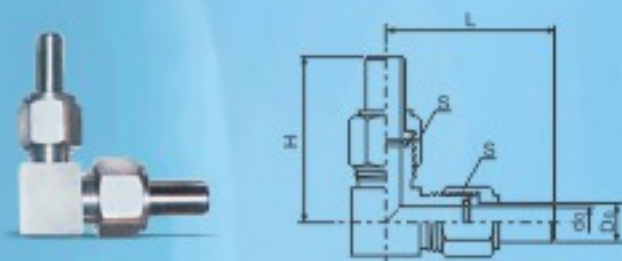
序号 NO	D ₀	L	S	S ₂
1	φ6	91	17	17
2	φ10	103	22	22
3	φ14	116	30	27
4	φ18	126	36	32
5	φ22	132	41	36
6	φ28	144	50	41
7	φ34	158	55	50
8	φ42	172	65	60
9	φ50	188	75	70

序号 NO	D ₀	d	L	S
1	φ14	M18×1.5	50	27
2	φ14	M20×1.5	50	27
3	φ14	G 1/2"	50	27
4	φ18	M18×1.5	51	30
5	φ18	M20×1.5	51	30
6	φ18	G 1/2"	51	30

序号 NO	D ₀	L	H	S
1	φ6	38	15	17
2	φ10	45	19	22
3	φ14	54	26	27
4	φ18	60	27	30
5	φ22	64	32	36
6	φ28	72	36	41
7	φ34	83	45	46
8	φ42	92	55	55
9	φ50	104	65	70

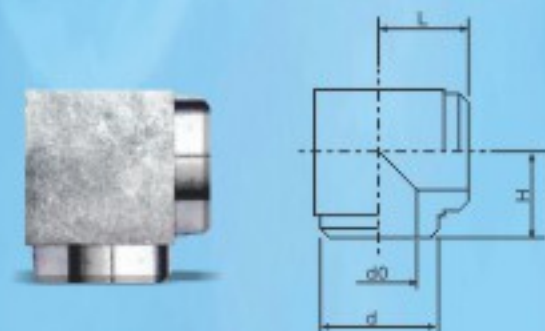
弯通中间接头(二)

The curved head deals with contact in the center
执行标准 The performance is standard: Q/ZB.1222.2



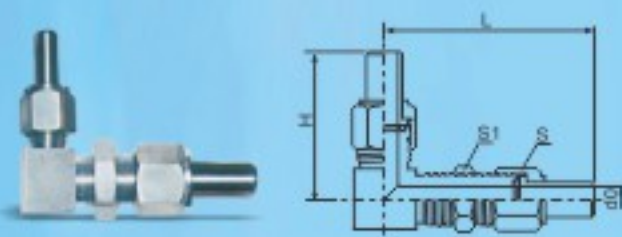
弯通焊接接头

The curved welds a connector
参照标准 According to standard: JB979-77
执行标准 The performance is standard: Q/ZB.1264



弯通穿板接头

The curved wears plank to deal with contact
参照标准 According to standard: JB975-77
执行标准 The performance is standard: Q/ZB.1224



序号 NO	D ₀	L	H	S
1	φ6	38	38	14
2	φ10	45	45	19
3	φ14	54	54	27
4	φ18	60	60	32
5	φ22	64	64	36
6	φ28	72	72	41
7	φ34	83	83	50
8	φ42	92	92	60
9	φ50	104	104	65

序号 NO	D ₀	d ₀	L	H
1	φ6	φ3	9	9
2	φ10	φ6	12	12
3	φ14	φ10	15	15
4	φ18	φ12	19	19
5	φ22	φ15	21	21
6	φ28	φ20	25	25
7	φ34	φ25	30	30
8	φ42	φ32	35	35
9	φ50	φ36	40	40

序号 NO	D ₀	L	H	S
1	φ6	68	43	17
2	φ10	76	51	22
3	φ14	88	59	27
4	φ18	95	67	32
5	φ22	105	71	36
6	φ28	111	79	41
7	φ34	122	90	50
8	φ42	137	100	60
9	φ50	150	110	65

自控仪表管路附件系列

AUTOMATIC CONTROL INSTRUMENT PIPELINE ACCESSORIES SERIES



接表阀接头

Connecting the watch valve deals with contact



压力表接头

The manometer deals with contact



压力表接头(A型)

The manometer deals with contact



压力表接头

The manometer deals with contact



压力计接头

The pressure gauge deals with contact



压力管组原重控

The pressure tube is heavy to control at first



压力表组合接头

The manometer combination deals with contact



序号 NO	M	S	d2	L
1	M20 x 1.5	27	φ12	55.5
2	M14 x 1.5	19	φ7	48.5

序号 NO	ZG	L	φ	φ1
1	ZG 1/2"	120	18	30
2	ZG 1/2"	120	35	23
3	ZG1"	120	44	29
4	ZG 1/2"	120	65	43

序号 NO	D	KG	S	L
1	M10 x 1	ZG 1/2"	14	26
2	M12 x 1.25	ZG 1/2"	17	17
3	M14 x 1.5	ZG 1/2"	19	28
4	M20 x 1.5	ZG 1/2"	27	32
5	G 1/2"	ZG 1/2"	27	32
6	M10 x 1	ZG 1/2"	17	26
7	M12 x 1.25	ZG 1/2"	17	29
8	M14 x 1.5	ZG 1/2"	19	30
9	M20 x 1.5	ZG 1/2"	27	34
10	G 1/2"	ZG 1/2"	27	34

内螺纹金属软管接头

Inside the stalk line metals soft tube deal with contact



外螺纹金属软管接头

Outside stalk line metals soft tube deals with contact



冷凝容器(一)

Congealed container



冷凝容器(二)

Congealed container



分离容器

Separate container



序号 NO	d	d0	S	L
1	ZG 1/2"	φ13	27	53
2	ZG 1/2"	φ17	27	53
3	ZG 1/2"	φ21	27	53
4	ZG 1/2"	φ21	36	57
5	ZG1"	φ31	42	76
6	ZG 1/2"	φ46	55	84

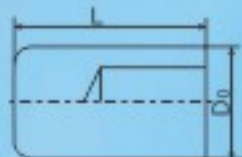
序号 NO	d	D0	S	L
1	M16 x 5	17	24	49
2	M20 x 1.5	19.5	27	56
3	M33 x 2	31	39	71
4	G 1/2"	19.5	30	58
5	G1"	25	36	69
6	ZG 1/2"	19.5	27	60
7	ZG 1/2"	19.5	30	62

序号 NO	Mpa	DN	δ1	δ2
1	6.4	100	6	15
2	1.6	100	10	15

序号 NO	Mpa	DN	δ1	δ2
1	6.4	100	6	15
2	1.6	100	10	15

序号 NO	Mpa	DN	δ1	δ2
1	6.4	100	6	15
2	1.6	100	10	15

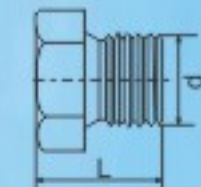
卡套式堵头(一)
Card mode head



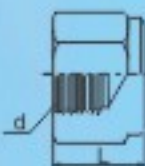
卡套式堵头(二)
Card mode head



外螺纹堵头
Outside thread head



内螺纹堵头
Inside thread head



虹吸管(压力表弯管)
Siphon turn



序号 NO	1	2	3	4	5	6	7	8	9	10	11	12
D ₀	φ4	φ6	φ8	φ10	φ12	φ14	φ16	φ18	φ22	φ28	φ34	φ42
L	22	25	25	28	28	28	28	30	36	40	44	46

序号 NO	1	2	3	4	5	6	7	8	9	10	11	12
16MPa												
D ₀	φ4	φ6	φ8	φ10	φ12	φ14	φ16	φ18	φ22	φ28	φ34	φ42
L	25	25.2	29.5	31	32	33	35	35	38	41	47	47
32MPa												
D ₀	6	8	10	12	14	18	22	28	34	42		
L	30	30.5	34	36	36	37	42	47	53	57		

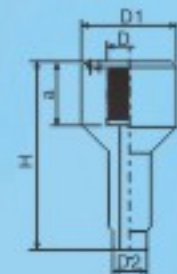
序号 NO	1	2	3	4	5	6
d	G ¹ / ₂ "	G ³ / ₈ "	G ¹ / ₂ "	G ¹ / ₂ "	M20 × 1.5	M27 × 2
L	20	23	29	24	28	34

序号 NO	1	2	3	4	5	6
d	ZG ¹ / ₂ "	ZG ³ / ₈ "	ZG ¹ / ₂ "	ZG ¹ / ₂ "	ZG1"	ZG1 1/2"
L	22	24	29	33	38	45

序号 NO	L	d	d ₁	公称压力 PN	适用温度 Applicable Temperature
1	228	G3/8"	G3/8"	≤20MPa	t≤350℃
2	232	G1/2"	G1/2"	≤20MPa	t≤350℃
3	228	G3/8"	ZG3/8"	≤20MPa	t≤350℃
4	232	G1/2"	ZG1/2"	≤20MPa	t≤350℃

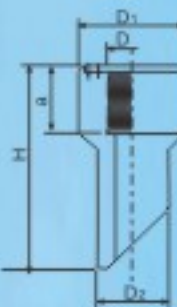
直形接头

Keeping the form connects to deal with contact
参照标准 According to standard: HK01-001



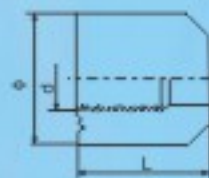
角形接头

The cape form connects to deal with contact
参照标准 According to standard: HK01-002



温度计插座

The thermometer socket



双金属温度计管嘴

The double metals thermometer takes care of a mouth



序号 NO	D	D ₁	D ₂	H
1	M12 × 1.5	φ32	φ12	60
2	M20 × 1.5	φ40	φ14	60
3	M27 × 2	φ47	φ22	80
4	M33 × 2	φ55	φ30	80
5	G1/2	φ39	φ21	60
6	G3/4	φ47	φ25	80
7	G1	φ55	φ35	120

序号 NO	D	D ₁	D ₂	H
1	M27 × 2	φ47	φ28	90
2	M33 × 2	φ55	φ36	150
3	G1/2	φ39	φ27	90
4	G3/4	φ47	φ31	90
5	G1	φ55	φ41	150

序号 NO	d	L	φ
1	G1"	30	50
2	G ³ / ₈ "	40	40
3	G1"	50	50
4	M27 × 2	40	40

d	D	D ₁	d ₀	L
M27 × 2	φ50	φ35	φ12	100

测量管路截止阀系列

MEASURING LINE STOP VALVE SERIES



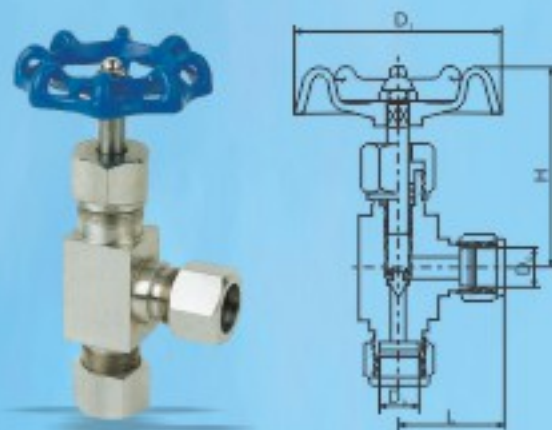
测量管路截止阀
Measuring line Stop Valve

理想阀门 

J91^W型卡套截止阀
The card set closes valve



J94^W型卡套角式截止阀
The card set cape type closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
卡套式
Card mode
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

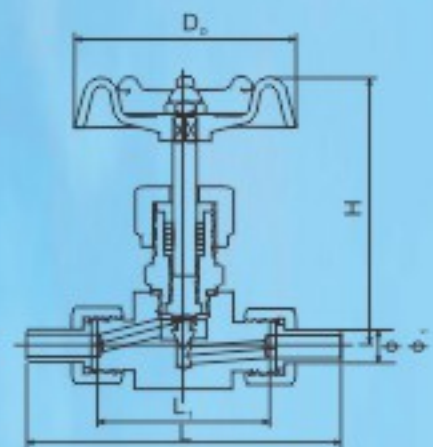
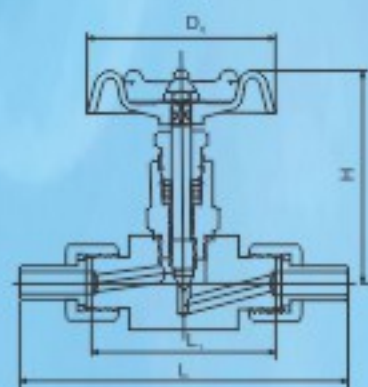
单位Unit: MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	6.4
壳体试验Shell Test	9.6
密封试验Test	7.0
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤ 180℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

型号 Type	阀体 Body	接头 Tie-In	阀杆 Valve Handle	螺母 Screw Nut	填料 Packing
J91H-64	20#	20#	2Cr13	20#	柔性石墨、四氟 Flexible graphite, Teflon
J91W-64P	304SS	304SS	304SS	304SS	柔性石墨、四氟 Flexible graphite, Teflon
J91W-64R	316SS	316SS	316SS	316SS	柔性石墨、四氟 Flexible graphite, Teflon

D ₀	D ₁	L	H
φ8	φ70	38	92
φ10	φ70	38	92
φ12	φ70	39	92
φ14	φ70	40	94
φ18	φ80	42	100

J23H 外螺纹截止阀
The outside thread closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
外螺纹焊接式
Outside the thread butt welding type
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

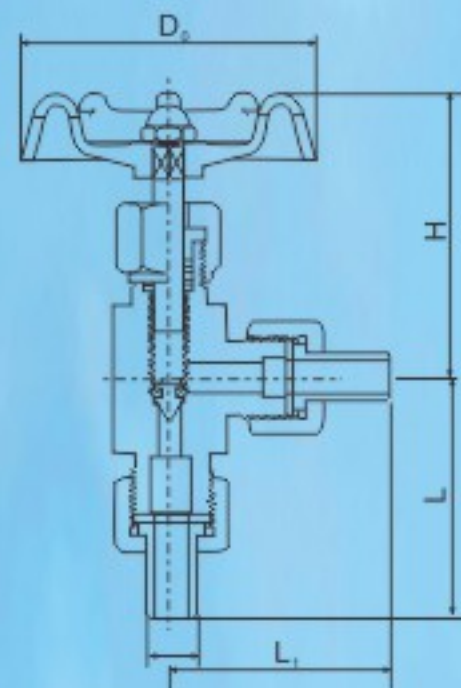
单位Unit: MPa

试验项目 Test item	压力值 Pressure Value
公称压力Nominal Pressure	16
壳体试验Shell Test	24
密封试验Test	17.6
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤425℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

型号 Type	阀体 Body	接头 Tie-in	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
J23H-160	20#	20#	2Cr13	20#	柔性石墨、四氟 Flexible graphite, Teflon
J23W-160P	304SS	304SS	304SS	304SS	柔性石墨、四氟 Flexible graphite, Teflon
J23W-160R	316SS	316SS	316SS	316SS	柔性石墨、四氟 Flexible graphite, Teflon

规格 Specification	φ	φ1	L1	L2	L	H	D0	D0
DN6	φ14	φ12	60	60	122	88	60	70
DN10	φ18	φ14	60	70	122	88	60	80
DN15	φ22	φ17	62	80	134	88	70	80
DN20	φ28	φ19	67	90	142	110	80	110
DN25	φ34	φ22	77	100	159	110	80	130

J24W 外螺纹角式截止阀
The outside thread cape type closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
外螺纹焊接式
Outside the thread butt welding type
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣; 直角式
The awl noodles seals completely; Movable valve petal
Right angle type passage
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

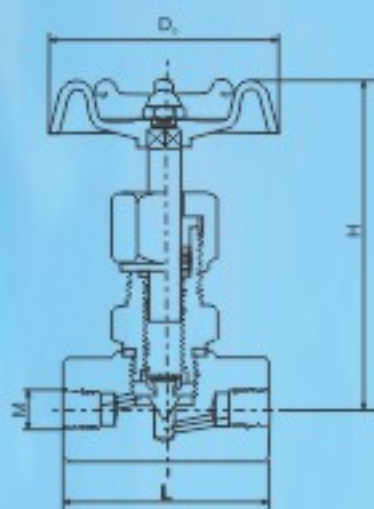
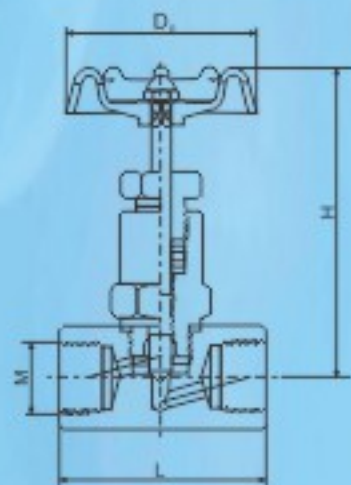
单位Unit: MPa

试验项目 Test item	压力值 Pressure Value
公称压力Nominal Pressure	16
壳体试验Shell Test	24
密封试验Test	17.6
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤250℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

型号 Type	阀体 Body	接头 Tie-in	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
J24H-64	20#	20#	2Cr13	20#	柔性石墨、四氟 Flexible graphite, Teflon
J24W-64P	304SS	304SS	304SS	304SS	柔性石墨、四氟 Flexible graphite, Teflon
J24W-64R	316SS	316SS	316SS	316SS	柔性石墨、四氟 Flexible graphite, Teflon

规格 Specification	φ	φ	L	L1	H	D0	D0
DN6	φ12	φ14	66	60	76	70	60
DN10	φ14	φ18	66	60	76	80	60
DN15	φ17	φ22	71	65	81	80	70
DN20	φ19	φ28	73	67	87	110	80
DN25	φ22	φ34	79	73	81	130	100

J13W 内螺纹截止阀
Inside the thread closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
内螺纹连接
Inside the thread link
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with expriment:
GB/T 13927-1992

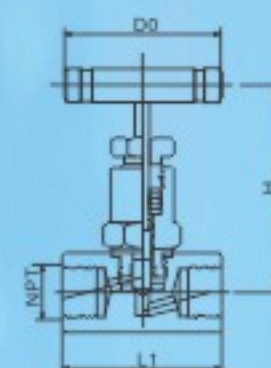
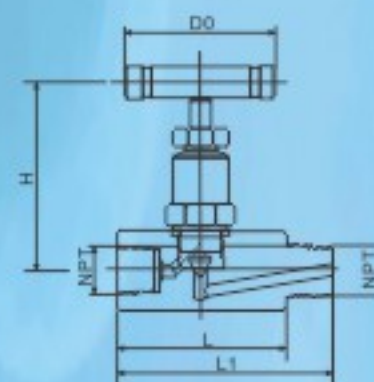
单位Unit: MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	16
壳体试验Shell Test	24
密封试验Test	17.6
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤250℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

型号 Type	阀体 Body	接头 Tie-In	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
J13H-160	20#	20#	2Cr13	20#	柔性石墨、四氟 Flexible graphite, Teflon
J13W-160P	304SS	304SS	304SS	304SS	柔性石墨、四氟 Flexible graphite, Teflon
J13W-160R	316SS	316SS	316SS	316SS	柔性石墨、四氟 Flexible graphite, Teflon

规格 Speci- fication	M	L	H	D0	D0
DN6	G1/4	58	85	60	60
DN10	G3/8	58	87	60	60
DN15	G1/2	60	87	65	70
DN20	G3/4	70	100	70	80
DN25	ZG1	78	110	80	100
DN32	G1 1/4	102	130	100	110

J11W 内外螺纹截止阀
Inside the outside thread closes valve



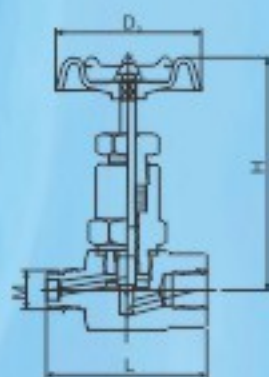
- 设计制造
Design manufacture according:
ANSI B 16.34-1996
- 连接形式 Link a form:
NPT(M.F)内外螺纹连接
NPT(M.F)inside outside the thread link
- 结构特征 Structure characteristic:
锥螺纹密封
The awl noodles seals completely
- 阀门检验和试验
The valve examines with experiment:
API STD 598-1996

单位Unit: MPa

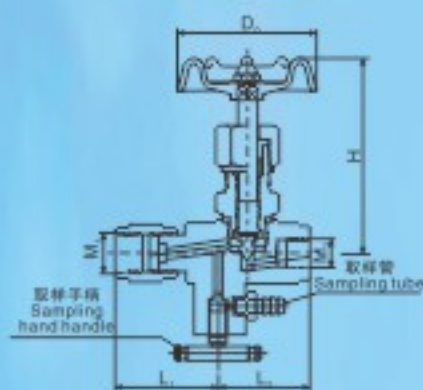
试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	6000PSI
壳体试验Shell Test	6000PSI
密封试验Test	6000PSI
气压试验Air Pressure Test	24
适用温度Suitable Temperature	≤250℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

规格 Speci- fication	NPT	L	L1	H	D0
DN6	1/4NPT	58	75	75	60
DN10	3/8NPT	58	78	75	60
DN15	1/2NPT	68	86	77	60

J21W 压力表截止阀
The manometer closes valve



CJ123W 型多功能截止阀
I am multi-function to closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
内外螺纹连接
Inside outside the thread link
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

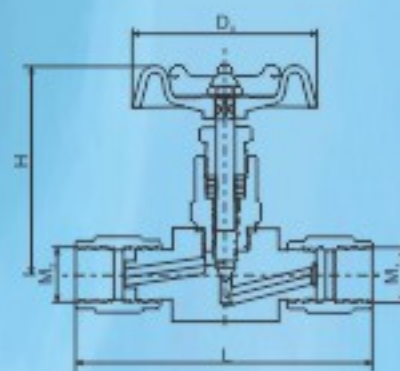
单位Unit: MPa

试验项目 Test Item	压力值 Pressure Valve
公称压力Nominal Pressure	16
壳体试验Shell Test	24
密封试验Test	17.6
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤250℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

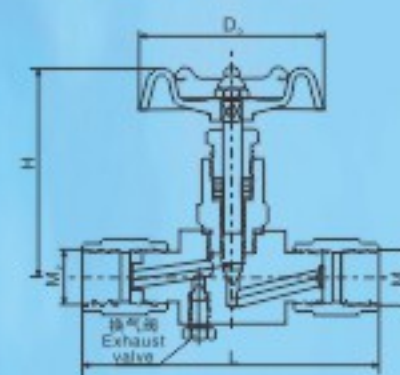
规格 Specification	D0	M	L	H
DN6	60	G1/4	65	85
DN10	60	G1/2	68	87
DN15	70	ZG3/4	86	87
DN20	80	ZG1	100	100

规格 Specification	M1	M2	L1	L2	H	D0
DN6	M20 × 1.5	G1/2	54	46	93	60

JJ-M1 型压力表截止阀
The manometer closes valve



JJ-M8 型节流式截止阀
The reduce expenses type closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
管接头内螺纹连接
The tube deals with contact inside screw link
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

规格 Specification	M1	M2	L	H	D0
DN5	M20 × 1.5	M20 × 1.5(left)	112	84	70
DN5	M20 × 1.5	G1/2	112	84	70

单位Unit: MPa

试验项目 Test Item	压力值 Pressure Valve
公称压力Nominal Pressure	6.4
壳体试验Shell Test	9.6
密封试验Test	7.0
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤180℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

规格 Specification	M1	M2	L	H	D0
DN5	M20 × 1.5	M20 × 1.5(left)	112	84	70
DN5	M20 × 1.5	G1/2	112	84	70

J19W型压力表三通阀
Manometer direct shipping links valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
对焊式管接头; 内螺纹连接
Butt welding type the tube deals with contact; Inside screw
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

单位Unit: MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	10
壳体试验Shell Test	15
密封试验Test	11
气压试验Air Pressure Test	0.6
适用温度Suitable Temperature	≤180℃
适用介质Suitable Medium	水、蒸汽、油品等 Water, Steam, Oil goods

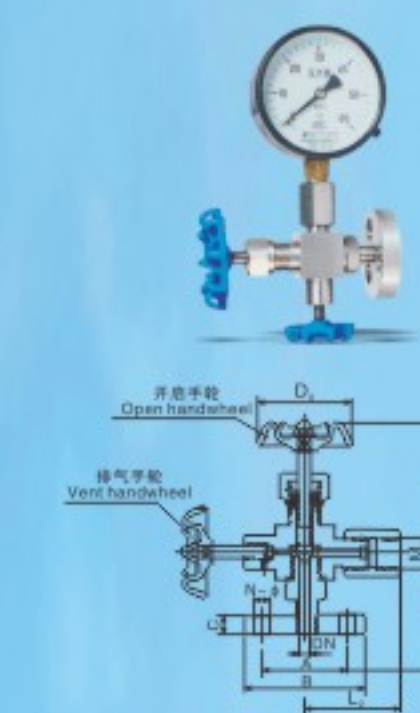
型号 Type	阀体 Body	接头 Tie-In	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
J19H-100	20#	20#	2Cr13	20#	柔性石墨、四氟 Flexible graphite, Teflon
J19W-100P	304SS	304SS	304SS	304SS	柔性石墨、四氟 Flexible graphite, Teflon
J19W-100R	316SS	316SS	316SS	316SS	柔性石墨、四氟 Flexible graphite, Teflon

规格 Specification	M	M1	φ	L	H	D0	L1
DN4	M20 × 1.5	M20 × 1.5	φ14	115	93	60	95

J29W型压力计截止阀
The pressure gauge closes valve



J49W型压力计截止阀
The pressure gauge closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
JB/T 7747-1995
- 连接形式 Link a form:
J29: 管接头内螺纹连接; J49: 法兰连接
The tube deals with contact inside screw link; Flange link
- 结构特征 Structure characteristic:
锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

J29主要外形尺寸

规格 Specification	M1	M2	L	L2	H	D0
DN3	M20 × 1.5	M14 × 1.5	60	56	86	70

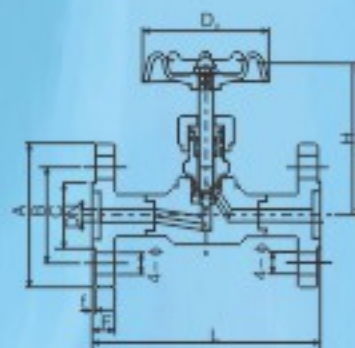
单位Unit: MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	32
壳体试验Shell Test	48
密封试验Test	35
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤450℃
适用介质Suitable Medium	水、蒸汽、油品等 Water, Steam, Oil goods

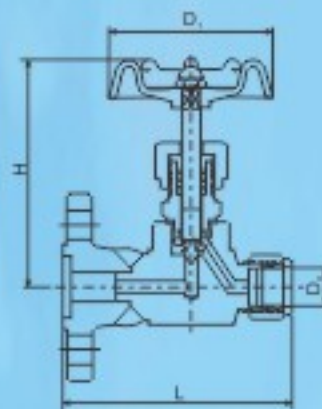
J49主要外形尺寸

规格 Specification	M1	B	L1	L2	H	D0
DN6	M20 × 1.5	70	62	60	86	60

J43W型法兰截止阀
The method orcid closes valve



JJ·BY1型取压截止阀
The manometer closes valve



- 设计制造
Design manufacture according:
GB/T 12224-1989
GB/T 12235-1989
- 连接形式 Link a form:
法兰连接
Flange link
- 结构特征 Structure characteristic:
锥面密封; 上螺纹阀杆
The awl noodles seals completely;
Last thread valve pole
- 阀门检验和试验
The valve examines with experiment:
GB/T 13927-1992

单位Unit: MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	2.5
壳体试验Shell Test	3.7
密封试验Test	2.75
气压试验Air Pressure Test	0.9
适用温度Suitable Temperature	≤180℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

型号 Type	阀体 Body	接头 Tie-In	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
J48H-25	20#	20#	2Cr13	20#	柔性石墨、四氟 Flexible graphite, Teflon
J48W-25P	304SS	304SS	304SS	304SS	柔性石墨、四氟 Flexible graphite, Teflon
J48W-25R	316SS	316SS	316SS	316SS	柔性石墨、四氟 Flexible graphite, Teflon

规格 Speci- fication	A	L	H	D ₀
DN10	90	130	90	60
DN15	92	122	90	60
DN20	105	150	105	80
DN25	115	150	120	100

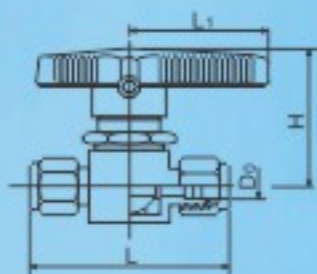
规格 Speci- fication	D ₀	D ₁	L	H
DN6	φ12	60	105	87
DN6	φ14	70	110	90

气动管路球阀系列

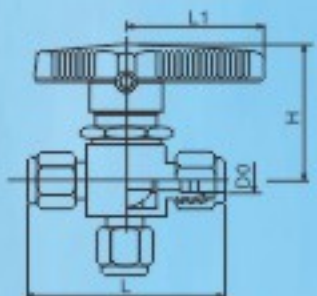
PNEUMATIC LINE BALL VALVE SERIES



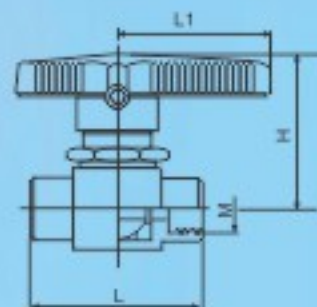
Q91SAF-64 卡套式球阀
Card mode ball valve



Q94SAF-64 卡套式球阀
Card mode ball valve



Q11SAF-64 内螺纹球阀
Inside thread ball valve



适用介质 Apply to lie quality:

气体Air, 油品Oil article, 水Water

制造材料 Make material: 304SS 316SS 20#

连接形式 Link a form:

卡套连接 The card set links

规格 Specification	D ₀	L	L ₁	H
DN3	Φ6	60	38	32
DN6	Φ8	65	38	42
DN10	Φ14	75	38	50

适用介质 Apply to lie quality:

气体Air, 油品Oil article, 水Water

制造材料 Make material: 304SS 316SS 20#

连接形式 Link a form:

卡套连接 The card set links

规格 Specification	D ₀	L	L ₁	H
DN3	Φ6	60	38	32
DN6	Φ8	65	38	42
DN10	Φ14	75	38	50

适用介质 Apply to lie quality:

气体Air, 油品Oil article, 水Water

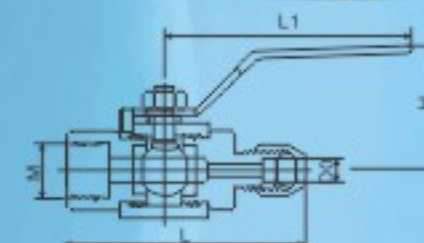
制造材料 Make material: 304SS 316SS 20#

连接形式 Link a form:

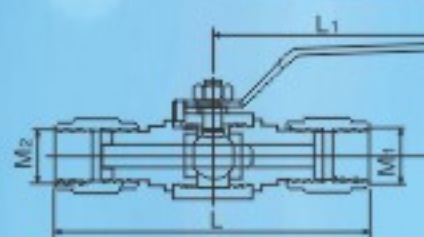
内螺纹连接 Inside the thread link

规格 Specification	L	L ₁	M	H
DN3	40	30	M12 × 1.25	32
DN3	40	30	ZG1/8	32
DN6	50	38	ZG1/4	42

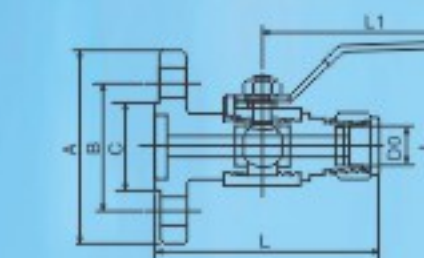
QG · QY1 气源球阀
Annoy a source ball valve



QG · M1 压力表球阀
Manometer ball valve



QG · AY1 取压球阀
Take to press a ball valve



适用介质 Apply to lie quality: 气体Air

制造材料 Make material: 304SS 316SS 20#

连接形式 Link a form:

内螺纹连接 Inside the thread link

规格 Specification	D ₀	L	L ₁	M	H	公称压力 Nominal Pressure
DN4	Φ6	90	110	G1/2	44	≤6.4MPa
DN6	Φ8	90	110	G1/2	44	≤6.4MPa
DN8	Φ10	95	110	G1/2	44	≤6.4MPa

适用介质 Apply to lie quality:

气体Air, 油品Oil article, 水Water

制造材料 Make material: 304SS 316SS 20#

连接形式 Link a form:

内螺纹连接 Inside the thread link

序号 NO	M ₁	M ₂	L	L ₁	H
1	M20 × 1.5	M20 × 1.5left	145	110	44
2	G1/2	M20 × 1.5left	145	110	44

适用介质 Apply to lie quality:

气体Air, 油品Oil article, 水Water

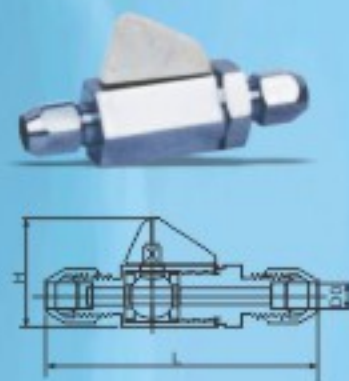
制造材料 Make material: 304SS 316SS 20#

连接形式 Link a form:

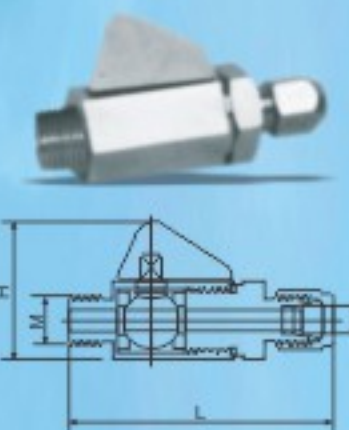
卡套连接 The card set links

规格 Specification	D ₀	L	H	L ₁	A
DN3	Φ10	105	44	110	90
DN6	Φ12	106	44	110	90
DN10	Φ14	108	44	110	90

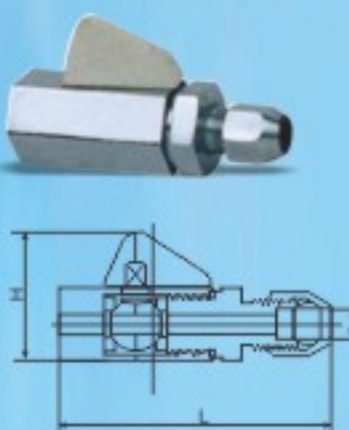
QY-1 气动管路球阀
The spirit moves the tube road ball valve



QY-2 卡套式球阀
Card mode ball valve



QY-3 气动管路球阀
The spirit moves the tube road ball valve



适用介质 Apply to lie quality: 气体 Air
制造材料 Make material: 304SS 316SS 20#
连接形式 Link a form:
卡箍连接 The card hoop links

规格 Specification	D ₀	L	H	公称压力 Nominal Pressure
DN3	Φ6	86	~40	≤1MPa
DN6	Φ8	90	~40	≤1MPa
DN10	Φ10	95	~40	≤1MPa

适用介质 Apply to lie quality:
气体 Air, 油品 Oil article, 水 Water
制造材料 Make material: 304SS 316SS 20#
连接形式 Link a form:
卡箍连接 The card hoop links

规格 Specification	D ₀	L	H	M	公称压力 Nominal Pressure
DN3	Φ6	80	~40	G1/8	≤1MPa
DN6	Φ8	84	~40	ZG1/4	≤1MPa
DN10	Φ10	90	~40	ZG3/8	≤1MPa

适用介质 Apply to lie quality: 气体 Air
制造材料 Make material: 304SS 316SS 20#
连接形式 Link a form:
卡箍连接 The card hoop links

规格 Specification	D ₀	L	H	公称压力 Nominal Pressure
DN3	Φ6	80	~40	≤1MPa
DN6	Φ8	82	~40	≤1MPa
DN10	Φ10	84	~40	≤1MPa

仪表阀组系列

INSTRUMENT VALVE SERIES



LX2051-3 二阀组
Two series valves

示意图
Sketch map



适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	NPT1/2内	NPT1/2内	20#
2	-	6	NPT1/2内	NPT1/2内	304SS
3	32MPa	6	NPT1/2内	NPT1/2内	20#
4	-	6	NPT1/2内	NPT1/2内	1Cr18Ni9Ti

LX2051-4 二阀组
Two series valves

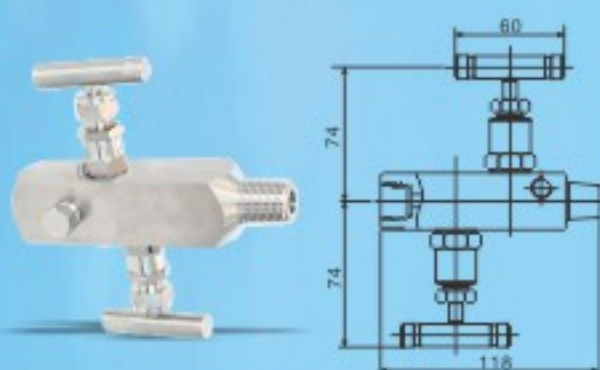


适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	16MPa	6	NPT1/2内	NPT1/2内	20#
2	-	6	-	-	304SS
3	32MPa	6	-	-	20#
4	-	6	-	-	1Cr18Ni9Ti

LX2051-5 二阀组
Two series valves

示意图
Sketch map

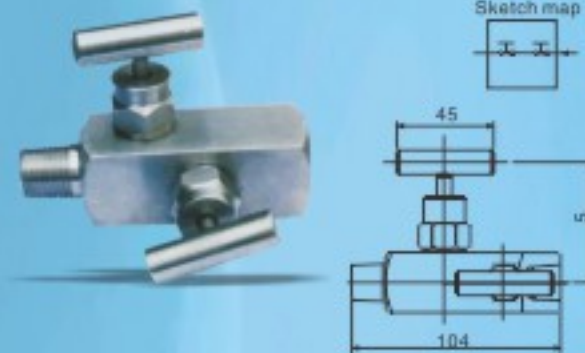


适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

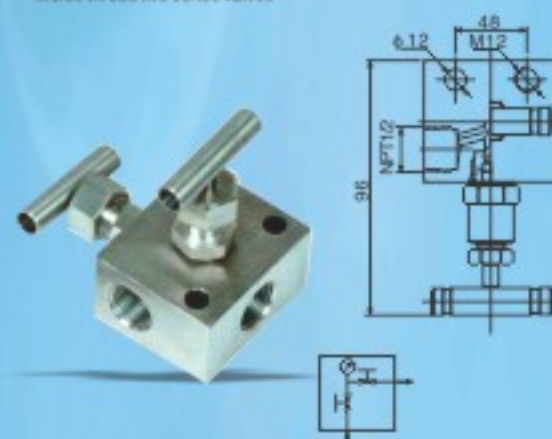
序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	NPT1/2外	NPT1/2内	20#
2	-	6	NPT1/2外	NPT1/2内	304SS
3	32MPa	6	NPT1/2外	NPT1/2内	20#
4	-	6	NPT1/2外	NPT1/2内	1Cr18Ni9Ti

LX2051-6 二阀组
Two series valves

示意图
Sketch map



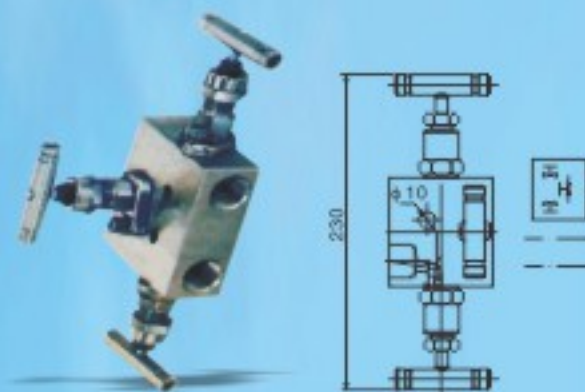
LX2051-7 内螺纹二阀组
Inside thread two series valves



适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	NPT1/2外	NPT1/2内	20#
2	-	6	NPT1/2外	NPT1/2内	304SS
3	32MPa	6	NPT1/2外	NPT1/2内	20#
4	-	6	NPT1/2外	NPT1/2内	1Cr18Ni9Ti

LX-M2F8 内螺纹三阀组
Inside thread three series valves



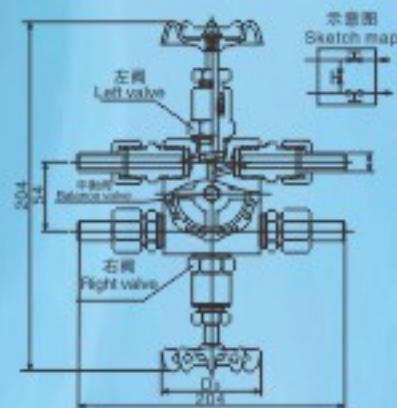
适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	16MPa	6	NPT1/2内	NPT1/2内	20#
2	32MPa	6	R1/2内	R1/2内	304SS

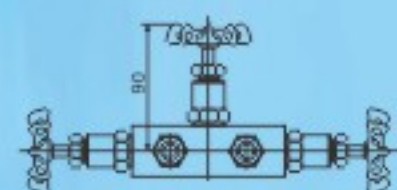
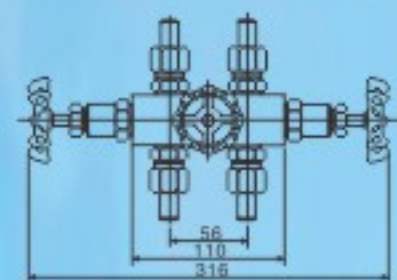
适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	G1/2内	G1/2内	20#
2	-	6	ZG1/2内	ZG1/2内	304SS
3	32MPa	6	NPT1/2内	NPT1/2内	20#
4	-	6	R1/2内	R1/2内	1Cr18Ni9Ti

LXQFF3-320P 三阀组
Three series valves



LXJ23SA-320P 三阀组
Three series valves



设计制造

Design manufacture according:

GB/T 12224-1989
JB/T 8473-1996

连接形式 Link a form:

焊接式管接头
Butt welding type The tube deals with contact

结构特征 Structure characteristic:

锥面密封
The awl noodles seals completely

阀门检验和试验

The valve examines with experiment:
GB/T 13927-1992

材料Material:

碳钢Carbon steel:GB/T 12228-1989
不锈钢Stainless steel:GB/T 1220-1989

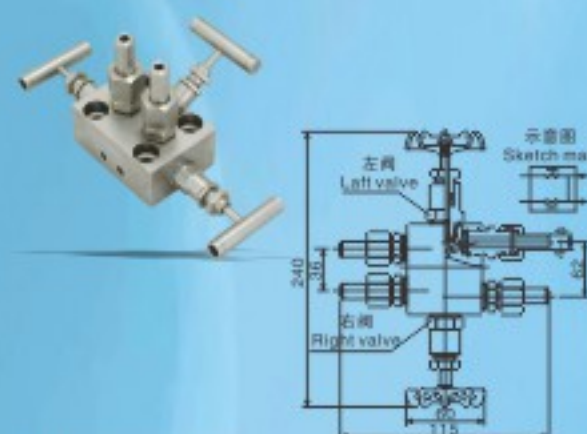
单位Unit:MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	16
壳体试验Shell Test	24
密封试验Test	17.6
气压试验Air Pressure Test	9.6
适用温度Suitable Temperature	≤425℃
适用介质Suitable Medium	水、蒸汽、油品等Water,Steam,Oil goods

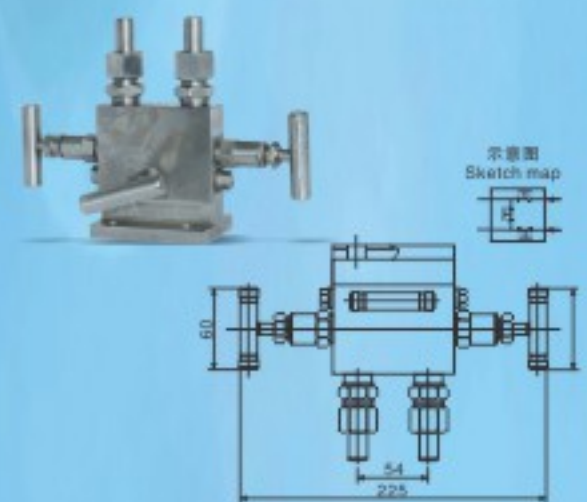
型号 Type	阀体 Body	接头 Tie-in	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
LXQFF3-320P	20#	20#	2Cr13	20#	柔性石墨、四氟 Lesible graphite
LXJ23SA-320P	SS304	SS304	SS304	SS304	柔性石墨、四氟 Lesible graphite

规格 Specification	4-φ	A	L1	L2	Do	重量 Weight(kg)
DN6	4-φ14	54	204	240	60	2.9

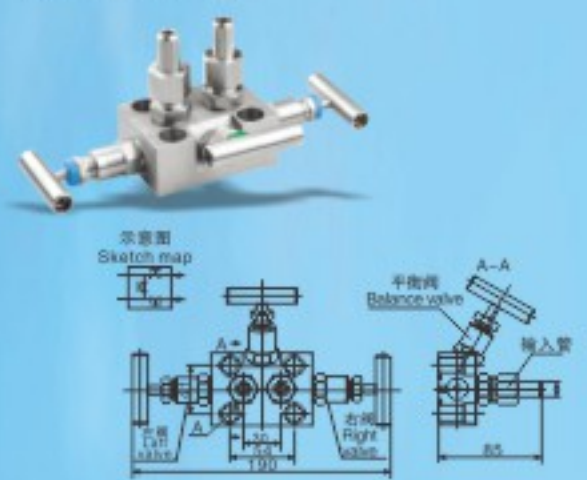
LXQF-05 平衡阀
Equilibrium valve



LX1151-320P 三阀组
Three series valves



LX3051H-320P 一体化三阀组
Integrative three series valves



适用介质Apply to lie quality:油Oil,水Water,气体Air

适用温度Apply temperature:-70-240℃ -20-440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	焊接管Weld a tube	焊接管Weld a tube	35#
2	-	6	焊接管Weld a tube	焊接管Weld a tube	1Cr18Ni9Ti
3	40MPa	6	焊接管Weld a tube	焊接管Weld a tube	35#
4	-	6	焊接管Weld a tube	焊接管Weld a tube	1Cr18Ni9Ti

适用介质Apply to lie quality:油Oil,水Water,气体Air

适用温度Apply temperature:-70-240℃ -20-450℃

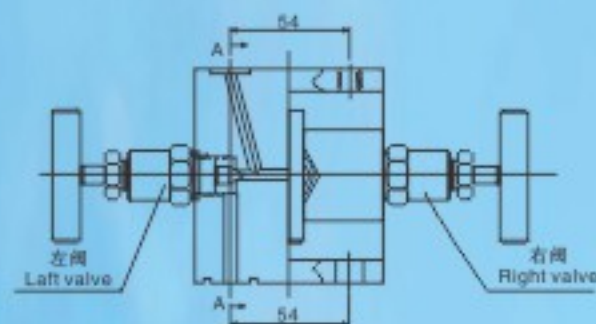
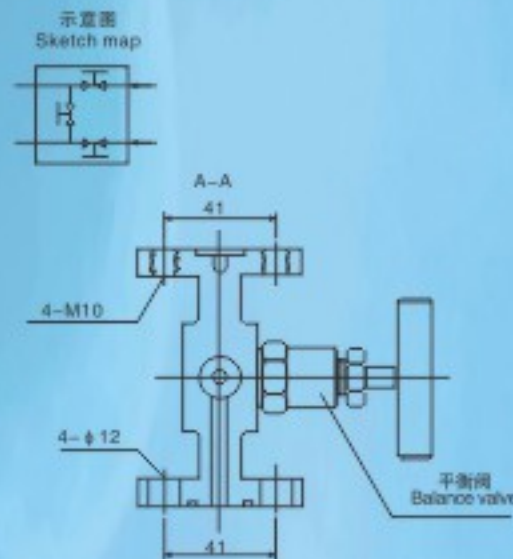
序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	32MPa	6	法兰Method orchid	法兰Method orchid	20#
2	32MPa	6	法兰Method orchid	法兰Method orchid	1Cr18Ni9Ti
3	32MPa	6	法兰Method orchid	法兰Method orchid	304SS

适用介质Apply to lie quality:油Oil,水Water,气体Air

适用温度Apply temperature:-70-240℃ -20-450℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	32MPa	6	法兰Method orchid	法兰Method orchid	20#
2	32MPa	6	法兰Method orchid	法兰Method orchid	1Cr18Ni9Ti
3	32MPa	6	法兰Method orchid	法兰Method orchid	304SS

LX3051C-320P 法兰式三阀组
Method orchid type three series valves



设计制造

Design manufacture according:
GB/T 12224-1989
JB/T 8473-1996

连接形式 Link a form:

法兰连接: NPT内螺纹; 对焊式管接头
Flange link, NPT inside screw;
Butt welding type The tube deals with contact

结构特征 Structure characteristic:

锥面密封; 活动阀瓣
The awl noodles seals completely; Movable valve petal

阀门检验和试验

The valve examines with experiment:
GB/T 13927-1992

材料Material:

碳钢Carbon steel: GB/T 12228-1989
不锈钢Stainless steel: GB/T 1220-1989

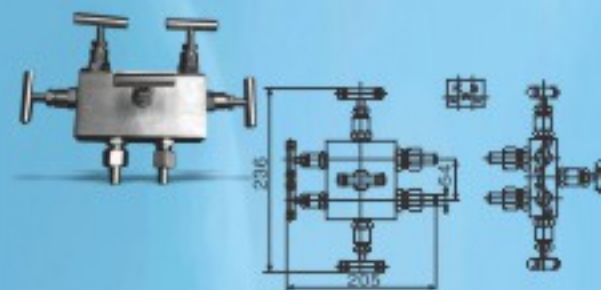
单位Unit: MPa

试验项目 Test Item	压力值 Pressure Value
公称压力Nominal Pressure	16
壳体试验Shell Test	24
密封试验Test	17.6
气压试验Air Pressure Test	9.6
适用温度Suitable Temperature	≤180℃
适用介质Suitable Medium	水、蒸汽、油品等Water, Steam, Oil goods

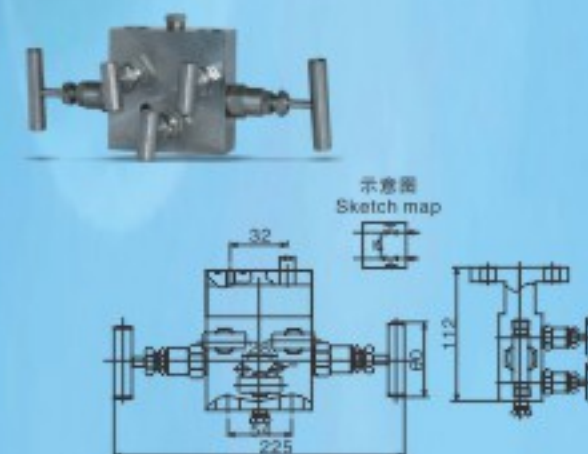
型号 Type	阀体 Body	接头 Tie-in	阀杆 Valve Handle	螺帽 Screw Nut	填料 Packing
3051-320	20#	20#	2Cr13	20#	柔性石墨、四氟 Lesible graphite
3051C-320P	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti	柔性石墨、四氟 Lesible graphite
3051C-320P	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti	柔性石墨、四氟 Lesible graphite

规格 Specification	A	A ₁	B	B ₁	N-φ	N-M	重量 WEIG- HT(kg)
DN6	54	54	41	41	4-φ12	4-M10	2.2

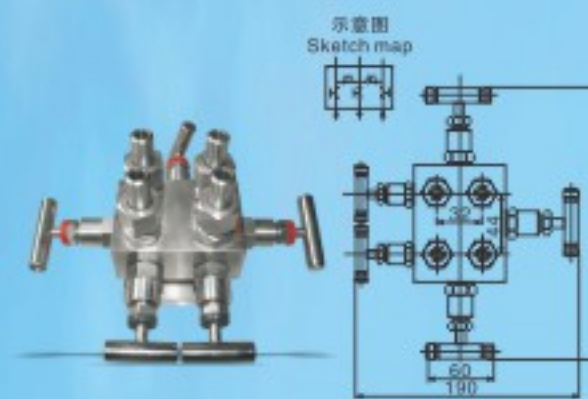
LXWF1/2 五阀组
Five series valves



LX5051-320P 法兰式五阀组
Method orchid type five series valves



LX1151-320P 五阀组
Five series valves



适用介质Apply to lie quality: 油Oil, 水Water, 气体Air

适用温度Apply temperature: -70-240℃ -20-440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	32MPa	6	焊接管Weld a tube	焊接管Weld a tube	20#
2	25MPa	6	焊接管Weld a tube	焊接管Weld a tube	1Cr18Ni9Ti

适用介质Apply to lie quality: 油Oil, 水Water, 气体Air

适用温度Apply temperature: -70-240℃ -20-440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	NPT1/2	法兰Method orchid	35#
2	-	6	-	-	304SS
3	32MPa	6	NPT1/2	法兰Method orchid	35#
4	-	6	-	-	1Cr18Ni9Ti

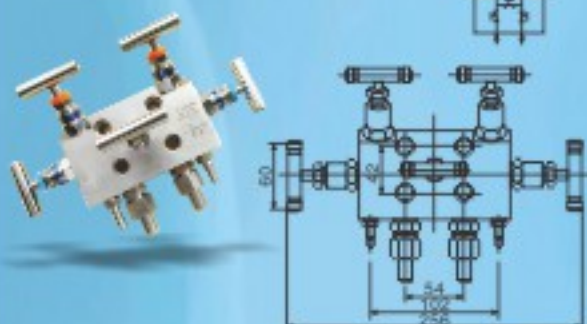
适用介质 Apply to lie quality: 油Oil, 水Water, 气体Air

适用温度Apply temperature: -70-240℃ -20-440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	板式安装The plank type installs	焊接管Weld a tube	35#
2	-	6	板式安装The plank type installs	焊接管Weld a tube	304SS
3	32MPa	6	板式安装The plank type installs	焊接管Weld a tube	35#
4	-	6	板式安装The plank type installs	焊接管Weld a tube	1Cr18Ni9Ti

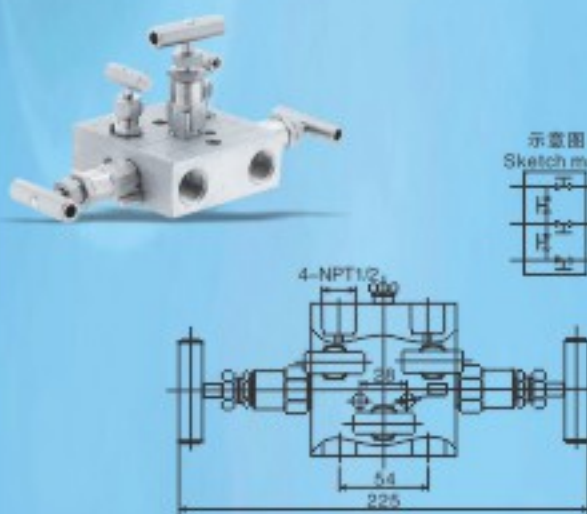
LXWF-5 五阀组
Five series valves

示意图
Sketch map



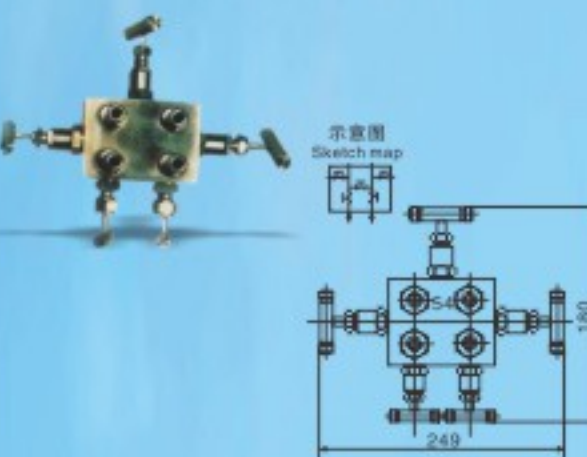
LX5151-320P 五阀组
Five series valves

示意图
Sketch map



LX5851-320P 五阀组
Five series valves

示意图
Sketch map



适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	法兰Method orchid	焊接管Weld a tube	20#
2	-	6	法兰Method orchid	焊接管Weld a tube	1Cr18Ni9Ti
3	32MPa	6	法兰Method orchid	焊接管Weld a tube	20#

适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

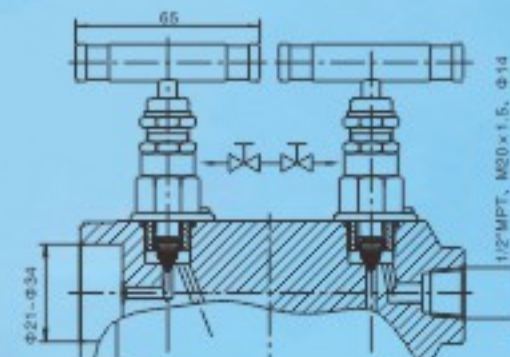
序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	NPT1/2	法兰Method orchid	35#
2	-	6	-	法兰Method orchid	1Cr18Ni9Ti
3	32MPa	6	NPT1/2	法兰Method orchid	35#

适用介质Apply to lie quality:油Oil,水Water,气体Air
适用温度Apply temperature:-70~240℃ -20~440℃

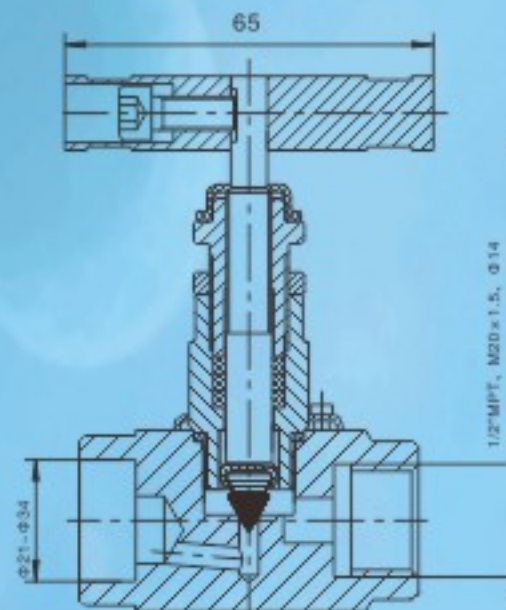
序号 No	公称压力 Nominal Pressure	公称口径 DN	进口 Import	出口 Export	阀体材料 Body Material
1	20MPa	6	板式安装 The plank type installs	焊接管Weld a tube	35#
2	-	6	板式安装 The plank type installs	焊接管Weld a tube	304SS
3	32MPa	6	板式安装 The plank type installs	焊接管Weld a tube	35#
4	-	6	板式安装 The plank type installs	焊接管Weld a tube	1Cr18Ni9Ti



承插焊双隔离截止阀
Double isolation valve for socket welding
LX2J61Y-CL150-2500P φ34/φ14
LX2J61Y-CL150-2500P φ21/φ14



承插焊双隔离截止阀
Socket welding double partition stop valve
LX2J61Y-CL150-2500P



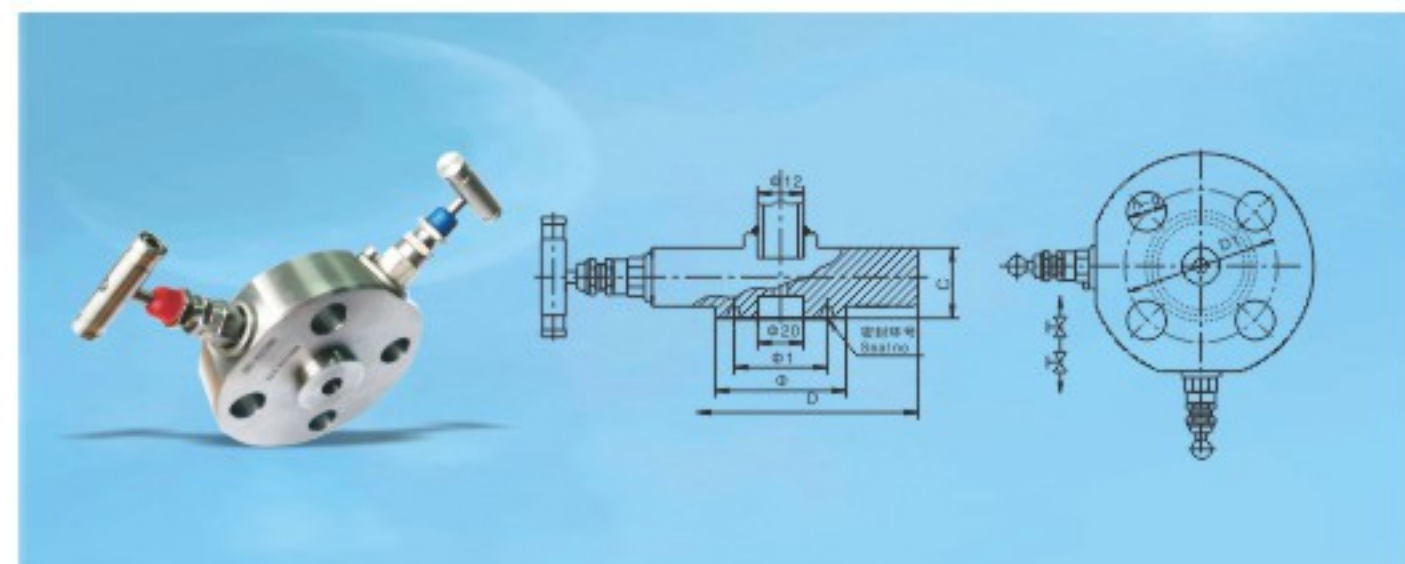
承插焊单隔离截止阀
Socket welding single partition stop valve
LXJ61Y-CL150-CL2500

设计制造技术规范

1. 阀门的设计制造按JB/T7747-2006的标准要求执行。
2. 阀门的检验和验收按API598的标准要求执行。
3. 承插焊尺寸按ANSI B16.11、JB/T1751标准要求执行。
4. 阀门的强度试验按公称压力的1.5倍进行水压试验。
5. 阀门的密封试验按公称压力的1.1倍进行水压试验。
6. 阀门的气密封试验按公称压力的0.6MPa进行气密封试验。

Design and manufacturing specifications

1. The valves are designed and manufactured in accordance with the standard requirements of JB/T7747-2006.
2. The valves are inspected and accepted in accordance with the standard requirements of API598.
3. Dimensions of socket welding holes are in accordance with ANSI B16.11 and JB/T1751 standards.
4. The strength test of the valves is hydrostatically tested at 1.5 times the nominal pressure.
5. The valve seal test is hydrostatically tested at 1.1 times the nominal pressure.
6. The airtight test is conducted at a nominal pressure of 0.6 MPa.



■ 设计制造技术规范

1. 阀门的设计制造按JB/T7747-2006的标准要求执行。
2. 阀门的检验和验收按API598的标准要求执行。
3. 法兰的连接尺寸ASME B16.5 HG/T20615的标准要求执行。
4. 阀门的强度试验按公称压力的1.5倍进行水压试验。
5. 阀门的密封试验按公称压力的1.1倍进行水压试验。
6. 阀门的气密封试验按公称压力的0.6MPa进行气密封试验。

■ Design and manufacturing specifications

1. The valves are designed and manufactured in accordance with the standard requirements of JB/T7747-2006.
2. The valves are inspected and accepted in accordance with the standard requirements of API598.
3. Dimensions of socket welding holes are in accordance with ANSI B16.5 HG/T20615 standards.
4. The strength test of the valves is hydrostatically tested at 1.5 times the nominal pressure.
5. The valve seal test is hydrostatically tested at 1.1 times the nominal pressure.
6. The airtight test is conducted at a nominal pressure of 0.6 MPa.

■ 主要连接尺寸

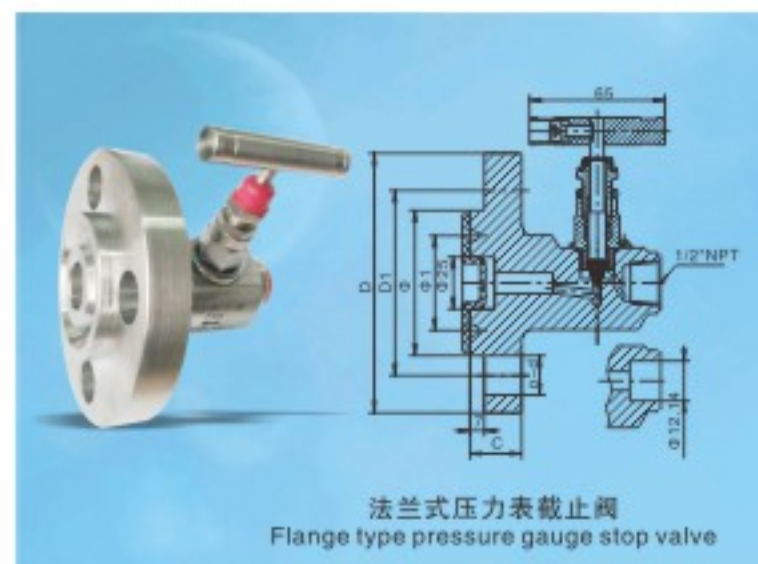
Main connection size. LX2J43Y-PF20-CL150-CL2500P RF, RJ

压力Class	D	D1	φ1	φ(RF)	φ(RJ)-环号(R)	C	n-d
CL150	100	79.9		43		11	4-15
CL300	115	82.6	42.8	43	64 R13	16.3	4-19
CL600	115	82.6	42.8	43	64 R13	22.9	4-19
CL900	130	88.9	44.5	43	66.5 R14	32.4	4-22
CL1500	130	88.9	44.5	43	66.5 R14	32.4	4-22
CL2500	140	95.2	73	43	82.5 R16	38.8	4-22

■ 主要连接尺寸

Main connection size. LX2J43Y-PF25-CL150-CL2500P RF, RJ

压力Class	D	D1	φ1	φ(RF)	φ(RJ)-环号(R)	C	n-d
CL150	110	79.5		51		11.6	4-15
CL300	125	88.9	50.8	51	70 R16	17.9	4-19
CL600	125	88.9	50.8	51	70 R16	24.5	4-19
CL900	150	101.6	50.8	51	71.5 R16	35.6	4-25
CL1500	150	101.6	50.8	51	71.5 R16	35.6	4-25
CL2500	160	108	60.3	51	82.5 R18	42.0	4-25



■ 主要连接尺寸

Main connection size. LJ43Y-ZF20-CL150-CL2500P RF, RJ

压力Class	D	D1	φ1	φ(RF)	φ(RJ)-环号(R)	C	n-d
CL150	100	79.9		43		11	4-15
CL300	115	82.6	42.8	43	64 R13	16.3	4-19
CL600	115	82.6	42.8	43	64 R13	22.9	4-19
CL900	130	88.9	44.5	43	66.5 R14	32.4	4-22
CL1500	130	88.9	44.5	43	66.5 R14	32.4	4-22
CL2500	140	95.2	73	43	82.5 R16	38.8	4-22

■ 设计制造技术规范

1. 阀门的设计制造按JB/T7747-2006的标准要求执行。
2. 阀门的检验和验收按API598的标准要求执行。
3. 法兰的连接尺寸ASME B16.5 HG/T20615的标准要求执行。
4. 阀门的强度试验按公称压力的1.5倍进行水压试验。
5. 阀门的密封试验按公称压力的1.1倍进行水压试验。
6. 阀门的气密封试验按公称压力的0.6MPa进行气密封试验。

■ Design and manufacturing specifications

1. The valves are designed and manufactured in accordance with the standard requirements of JB/T7747-2006.
2. The valves are inspected and accepted in accordance with the standard requirements of API598.
3. Dimensions of socket welding holes are in accordance with ANSI B16.5 HG/T20615 standards.
4. The strength test of the valves is hydrostatically tested at 1.5 times the nominal pressure.
5. The valve seal test is hydrostatically tested at 1.1 times the nominal pressure.
6. The airtight test is conducted at a nominal pressure of 0.6 MPa.

■ 主要连接尺寸

Main connection size. LJ43Y-ZF25-CL150-CL2500P RF, RJ

压力Class	D	D1	φ1	φ(RF)	φ(RJ)-环号(R)	C	n-d
CL150	110	79.0		51		11.6	4-15
CL300	125	88.9	50.8	51	70 R16	17.9	4-19
CL600	125	88.9	50.8	51	70 R16	24.5	4-19
CL900	150	101.6	50.8	51	71.5 R16	35.6	4-25
CL1500	150	101.6	50.8	51	71.5 R16	35.6	4-25
CL2500	160	108	60.3	51	82.5 R18	42.0	4-25

■ 主要连接尺寸

Main connection size. LX2J43Y-ZF25-CL150-2500-FM20

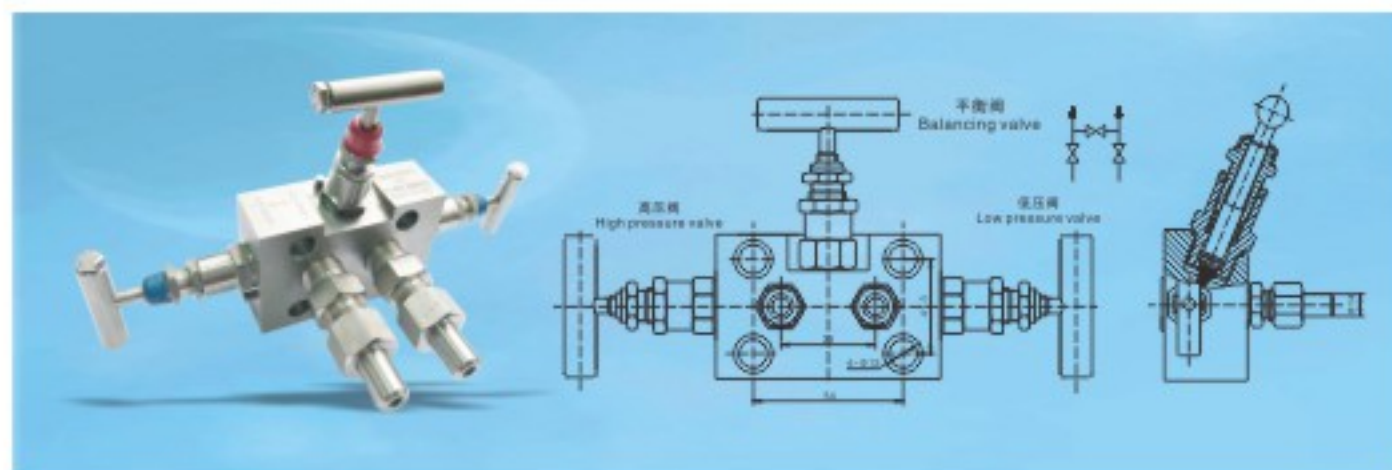
压力Class	D	D1	φ1	φ(RF)	φ(RJ)-环号(R)	C	n-d
CL150	110	79.0		51		11.6	4-15
CL300	125	88.9	50.8	51	70 R16	17.9	4-19
CL600	125	88.9	50.8	51	70 R16	24.5	4-19
CL900	150	101.6	50.8	51	71.5 R16	35.6	4-25
CL1500	150	101.6	50.8	51	71.5 R16	35.6	4-25
CL2500	160	108	60.3	51	82.5 R18	42.0	4-25

■ 设计制造技术规范

1. 阀门的设计制造按JB/T7747-2006的标准要求执行。
2. 阀门的检验和验收按API598的标准要求执行。
3. 法兰的连接尺寸ASME B16.5 HG/T20615的标准要求执行。
4. 阀门的强度试验按公称压力的1.5倍进行水压试验。
5. 阀门的密封试验按公称压力的1.1倍进行水压试验。
6. 阀门的气密封试验按公称压力的0.6MPa进行气密封试验。

■ Design and manufacturing specifications

1. The valves are designed and manufactured in accordance with the standard requirements of JB/T7747-2006.
2. The valves are inspected and accepted in accordance with the standard requirements of API598.
3. Dimensions of socket welding holes are in accordance with ANSI B16.5 HG/T20615 standards.
4. The strength test of the valves is hydrostatically tested at 1.5 times the nominal pressure.
5. The valve seal test is hydrostatically tested at 1.1 times the nominal pressure.
6. The airtight test is conducted at a nominal pressure of 0.6 MPa.

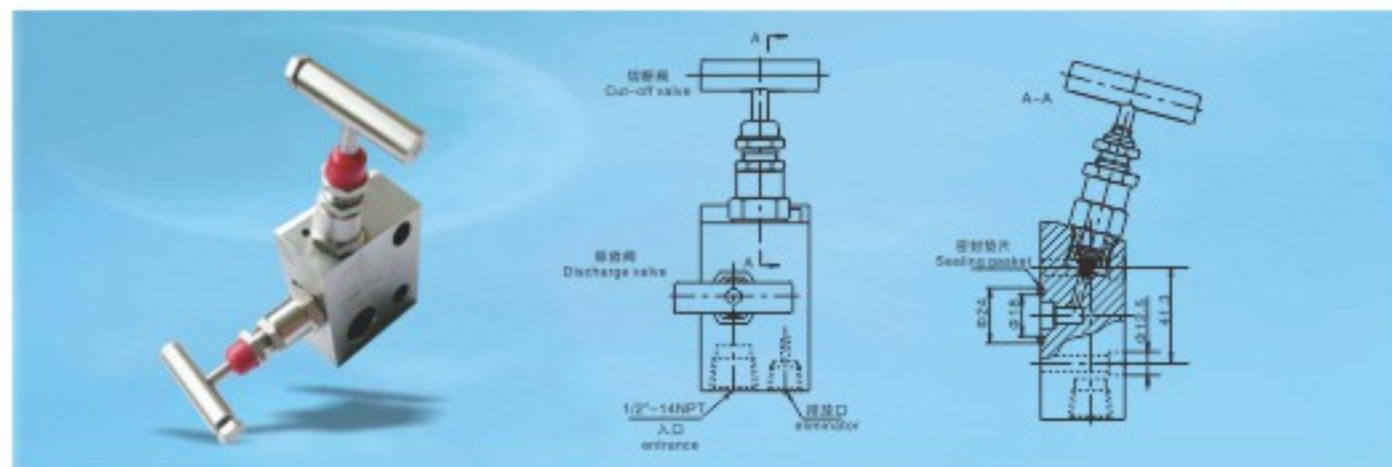


LX3051A-320P 一体化三阀组原理及用途

LX3051A 可以通过长螺栓与带共面法兰与差压变送器直接安装。法兰三阀组仪表接口（出口）的中心距为 $54\text{mm} \times 41.3\text{mm}$ ，直接与差压变送器的高低压接口相连，使用密封环通过螺栓压紧密封。两个与过程端相连的截止阀用来截断过程流体与仪表的连接。一个平衡阀在两截止阀中间，用来平衡高低压腔室，以方便对差压变送器进行调零。在仪表接口及两个截止阀之间的两个泄放堵头（可选）用来排污及校验用途。三阀组原理：左侧为高压阀，右侧为低压阀，中间为平衡阀，当高、低压阀关闭，平衡阀开启时，正负压测量室压力平衡。当高、低压阀开启，平衡阀关闭时，输入端压力分别为高、低压。仪表维修调零时，只需将正负压阀关闭，就可以进行。

LX3051A-320P Integrated tri-valve manifold principle and use

LX3051A can be installed directly by long bolts with coplanar flanges and a differential pressure transmitter. The center distance of the meter ports (outlets) of the flange tri-valve set is $54\text{mm} \times 41.3\text{mm}$, and it is directly connected to the high and low pressure ports of the differential pressure transmitter. The sealing ring is used to compress the seal by bolts. Two globe valves connected to the process end are used to shut off the link between the process fluid and the meter. A balance valve is located in the middle of the two globe valves to balance the high and low pressure chambers so as to facilitate zeroing the differential pressure transmitter. The two vent plugs (optional) between the meter ports and the two globe valves are used for draining and calibration. Tri-valve set principle: high-pressure valve on the left, low-pressure valve on the right, balance valve in the middle. When the high and low valves are closed and the balance valve is opened, the positive and negative pressure measurement chamber shows balanced pressure. When the high and low pressure valves are opened and the balance valve is closed, the input pressure is high and low pressure respectively. When the meter is to be zeroed for maintenance, close the positive and negative pressure valves.

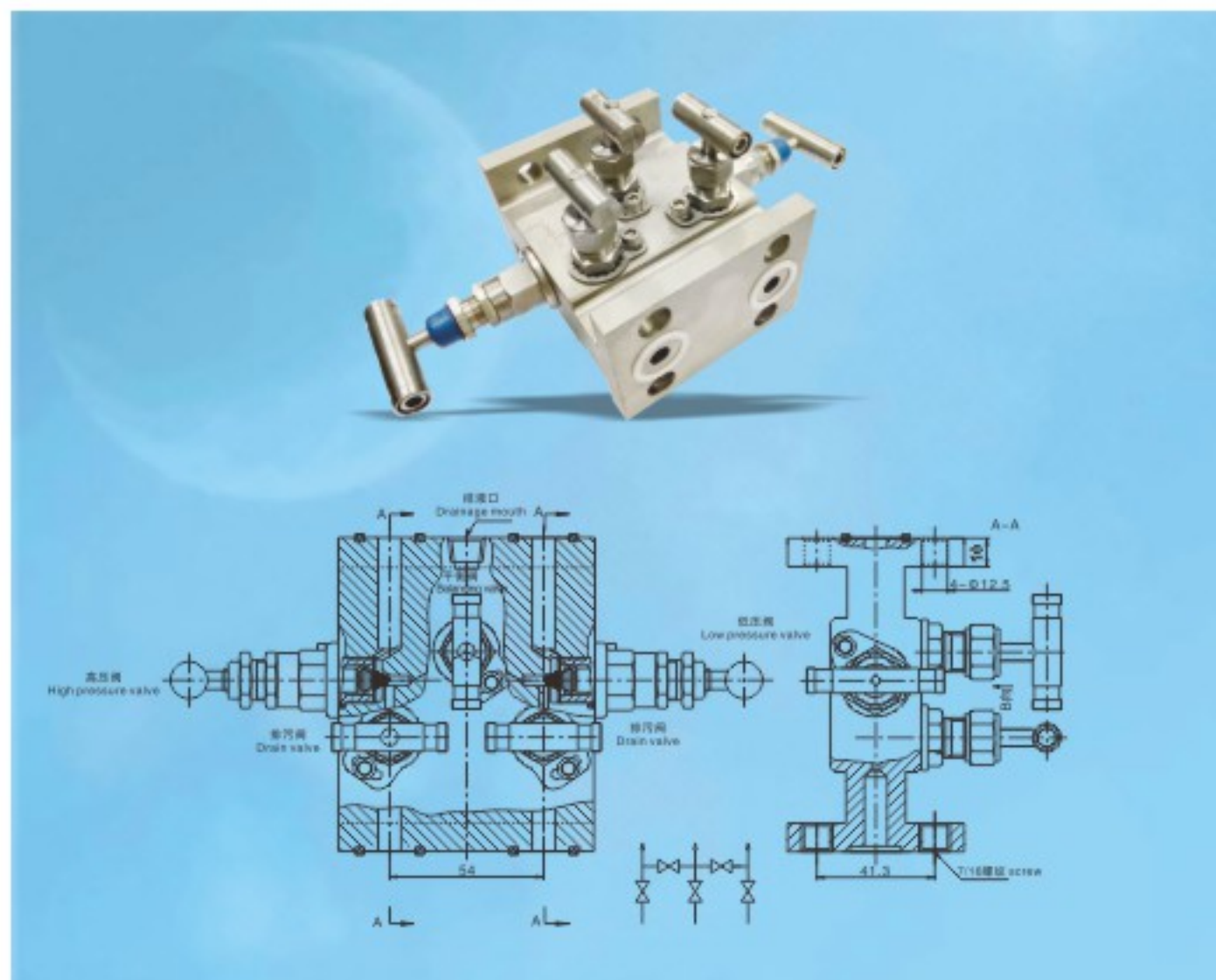


共面一体化二阀组(1/2NPT) LX2051B-320P

LX2051B-320P 两阀组用于和传统法兰式绝压或者表压变送器直接安装，也可以通过长螺栓与带共面法兰的3051CG 或者3051CA 直接安装，共面法兰两阀组的过程连接为 $1/2-14\text{NPT}$ 内螺纹，固定螺栓中心距 41.3mm 的传统法兰。直接与变送器传统法兰相连，使用密封垫片通过螺栓压紧密封。与仪表连接的排污阀既可以排污又可以通过排污/测试孔对仪表进行校验。

Coplanar integrated two-valve manifold (1/2NPT) LX2051B-320P

LX2051B-320P Two-valve manifold is designed for direct mounting with a conventional flanged absolute pressure or gauge pressure transmitter. They can also be mounted directly via long bolts and 3051CG or 3051CA with coplanar flanges. The process connection of the coplanar flange two-valve manifold is $1/2-14\text{NPT}$ internal threads, and conventional flanges with 41.3mm center distance of the fixing bolts. Connect directly to the transmitter's traditional flanges and seal with a gasket using bolts. The drain valve connected to the meter can both drain and verify the meter through the drain/test hole.

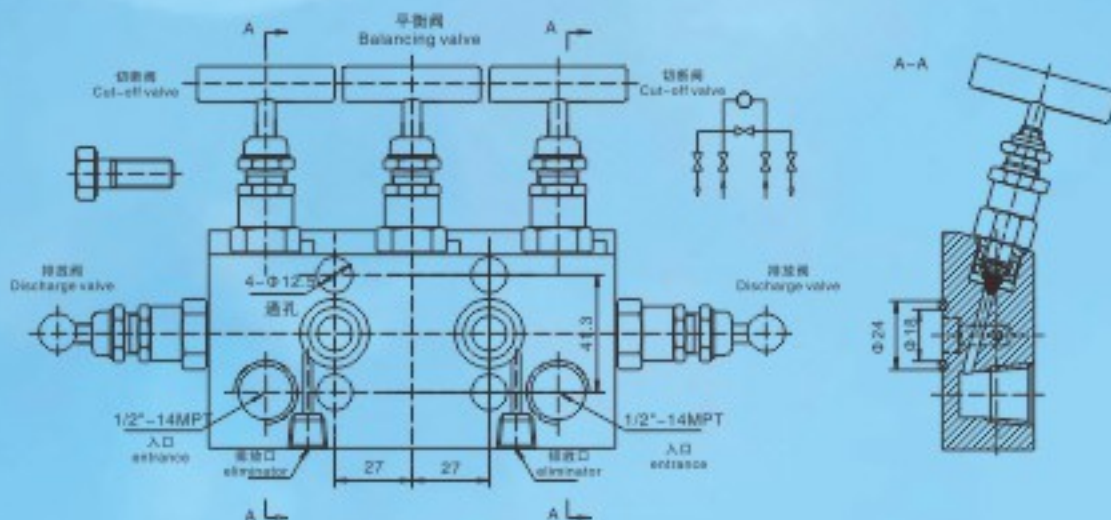


LX5151A-320P 工型五阀组原理及用途

LX5151A 可以通过长螺栓与带共面法兰与差压变送器直接安装。法兰五阀组仪表接口（出口）的中心距为 $54\text{mm} \times 41.3\text{mm}$ ，直接与差压变送器的高低压接口相连，使用密封环通过螺栓压紧密封。五阀组由高、低压阀、平衡阀及两个校验（排污）阀组合为一体，在现场进行差压变送器的校准时，只要将高、低压阀切断，打开平衡阀及打开两个校验阀，然后再关闭平衡阀，就可对差压变送器进行现场校准了。它较三阀组的优点是：可随时进行仪表在线（即现场）检查、校准、标定或排污冲洗。

LX5151A-320P The principle and use of I-type five-valve manifold

LX5151A can be installed directly by long bolts with coplanar flanges and a differential pressure transmitter. The center distance of the flange five-valve manifold meter ports (outlets) is $54\text{mm} \times 41.3\text{mm}$, which is directly connected with the high-low pressure port of the differential pressure transmitter. The sealing ring is used to seal by bolts. The five-valve manifold is composed of high, low pressure valves, a balance valve and two calibration (drain) valves. When the differential pressure transmitter is calibrated at the site, only cut off the high and low pressure valves, open the balance valve and the two calibration valves, and then close the balance valve, so that the differential pressure transmitter can be calibrated at the site. It has an advantage over the tri-valve manifold: is able to inspect, calibrate, demarcate, drain and rinse the meter online (ie, on-site) at any time.



承插焊管件系列

SOKET WELDED PIPE FITTING SERIES



LX5051A-320P一体化五阀组原理及用途

LX5051A可以通过长螺栓与带共面法兰与差压变送器直接安装。法兰五阀组仪表接口（出口）的中心距为54mm×41.3mm，直接与差压变送器的高低压接口相连，使用密封环通过螺栓压紧密封。五阀组由高、低压阀、平衡阀及两个校验（排污）阀组合为一体，在现场进行差压变送器的校准时，只要将高、低压阀切断，打开平衡阀及打开两个校验阀，然后再关闭平衡阀，就可对差压变送器进行现场校准了，它较三阀组的优点是：可随时进行仪表在线（即现场）检查、校核、标定或排污冲洗。

LX5051A-320P The principle and use of I-type five-valve manifold

LX5051A It can be installed directly by long bolts with coplanar flanges and a differential pressure transmitter. The center distance of the flange five-valve manifold meter ports (outlets) is 54mm × 41.3mm, which is directly connected with the high-low pressure port of the differential pressure transmitter. The sealing ring is used to seal by bolts. The five-valve manifold is composed of high, low pressure valves, a balance valve and two calibration (drain) valves. When the differential pressure transmitter is calibrated at the site, only cut off the high and low pressure valves, open the balance valve and the two calibration valves, and then close the balance valve, so that the differential pressure transmitter can be calibrated at the site. It has an advantage over the tri-valve manifold: is able to inspect, calibrate, demarcate, drain and rinse the meter online (ie, on-site) at any time.



英制管制系列 THE ENGLISH SYSTEM CONTROL SERIES	公制管制系列 THE METRIC SYSTEM CONTROLS SERIES
ANSI B16.11 JIS B2316 GB/T14383(A系列SERIES) 中石化Medium petrochemical SH3410 化工部Chemical engineering department HG21634	GB/T14383A(B系列SERIES) 化工部Chemical engineering department HG21634

承插焊管件压力等级与管子壁厚管表号
Pressure grade of socket welded pipe and tube wall thickness gauge

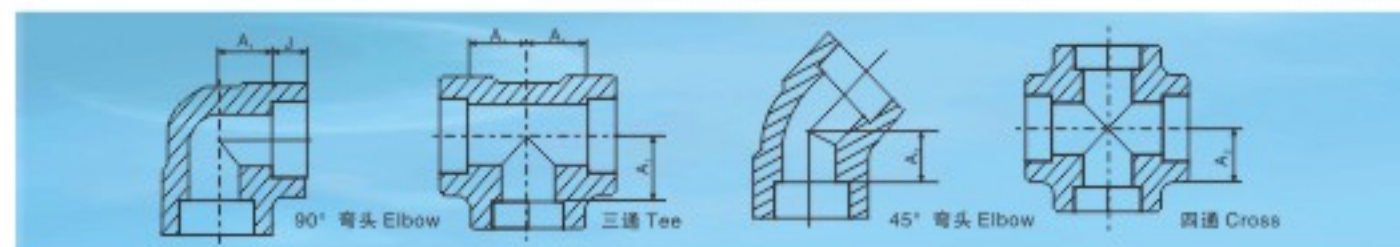
压力等级 PRESSURE GRADE	管子壁厚表号 THE PIPE WALL THICK FORM NUMBER
3000Lb	Sch80 XS
6000Lb	Sch160 -
9000Lb	- XXS

小口径管壁厚
Small diameter pipe wall thickness mm

DN	NPS	管子壁厚表号 THE PIPE WALL THICK FORM NUMBER
mm	in	Sch80 Sch160 XXS
6	1/8	2.41 3.15 4.83
8	1/4	3.02 3.60 6.05
10	3/8	3.20 4.10 6.40

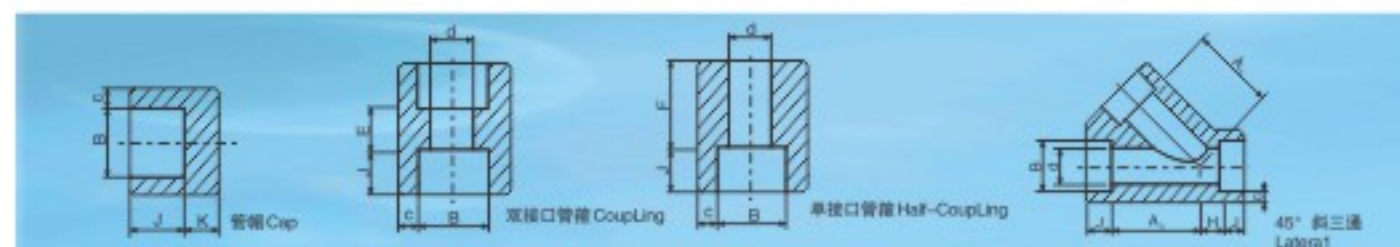
承插口尺寸表
Socket we 1 ding end dimension mm

公称通径 (NPS) DN		jmin	钢管外径 outside diameter of pipe	Bmin	ANSI B16.11 Sh3410 GB/T1438(A)JIS B2316						GB/T1438(B).HG21634			
					Dmn 14383			Cmin			钢管外径 outside diameter of pipe	Bmin	D	
					3000Lb	6000Lb	9000Lb	3000Lb	6000Lb	9000Lb			3000Lb	6000Lb
mm	in				Sch80	Sch160	XXS	Sch80	Sch160	XXS			Sch80	Sch160
6	1/8	10	10.3	10.7	6.1	3.2	-	3.2	3.5	-	10	10.5	5	4
8	1/4	10	13.9	14.1	8.5	5.6	-	3.3	4.0	-	12	12.5	6	5
10	3/8	10	17.1	17.5	11.8	8.4	-	3.5	4.4	-	14	14.5	8	6
15	1/2	10	21.3	21.8	15	11.0	5.6	4.1	5.2	8.2	18	18.6	11	9
20	3/4	13	26.9	27.4	20.2	14.8	10.3	4.3	6.1	8.6	25	25.6	17	14
25	1	13	33.7	34.2	25.9	19.9	14.5	5.0	7.0	10.0	32	32.6	23	20
(32)	1 1/4	13	42.4	42.9	34.3	28.7	22	5.3	7.0	10.6	38	38.6	28	26
40	1 1/2	13	48.3	48.8	40.1	33.2	27.2	5.6	7.8	11.2	45	45.6	35	31
50	2	16	60.3	61.1	51.7	42.1	37.4	6.1	9.5	12.2	57	57.8	46	40
(65)	2 1/2	16	76.1	76.9	61.2	56.1	-	7.7	12.5	-	76	76.8	62	56
80	3	16	88.9	89.8	76.4	66.9	-	8.3	13.8	-	89	89.9	73	67
100	4	16	114.3	115.5	100.7	-	-	9.4	-	-	108	109.2	91	-



承插焊管件 (一) Socket we 1 ding end fitting

公称通径 (NPS) DN		jmin	A1			A2			A3		A4	
			3000Lb	6000Lb	9000Lb	3000Lb	6000Lb	9000Lb	3000Lb	6000Lb	3000Lb	6000Lb
mm	in		Sch80	Sch160	XXS	Sch80	Sch160	XXS	Sch80	Sch160	Sch80	Sch160
6	1/8	10	11	11	-	8	8	-	-	-	-	-
8	1/4	10	11	15	-	8	8	-	-	-	-	-
10	3/8	10	13	15	-	8	12	-	-	-	-	-
15	1/2	10	16	19	25	11	13	16	41	51	11	13
20	3/4	13	19	22	28	13	14	18	51	60	13	14
25	1	13	22	27	32	14	18	22	60	71	14	18
(32)	1 1/4	13	27	32	35	18	21	22	71	81	18	21
40	1 1/2	13	32	38	38	21	25	25	81	98	21	25
50	2	16	38	41	41	25	29	29	98	120	25	29
(65)	2 1/2	16	41	57	-	29	32	-	-	-	-	-
80	3	16	57	64	-	32	35	-	-	-	-	-
100	4	19	66	-	-	42	-	-	-	-	-	-



承插焊管件(二) Socket we 1 ding end fitting

异径承插焊接头规格 Socket we 1 ding reducing fitting

公称通径 (NPS) DN		J	E	F	K			公称通径 (NPS) DN		公称通径 (NPS) DN	
					3000Lb	6000Lb	9000Lb				
mm	in				Sch80	Sch160	XXS	mm	in	mm	in
6	1/8	10	6	16	5	6.5	-	20 x 15	3/4 x 1/2	50 x 40	2 x 1 1/2
8	1/4	10	6	16	5	6.5	-	25 x 20	1 x 3/4	50 x 32	2 x 1 1/4
10	3/8	10	6	17.5	5	6.5	-	25 x 15	1 x 1/2	50 x 25	2 x 1
15	1/2	10	10	22.5	6.5	8	11	32 x 25	1 1/4 x 1	65 x 50	2 1/2 x 2
20	3/4	13	10	23.5	6.5	8	12.5	32 x 20	1 1/2 x 3/4	65 x 40	2 1/2 x 1 1/2
25	1	13	13	29	9.5	11	14	32 x 15	1 1/2 x 1/2	65 x 32	2 1/2 x 1 1/4
(32)	1 1/4	13	13	30	9.5	11	14	40 x 32	1 1/2 x 1 1/4	80 x 65	3 x 2 1/2
40	1 1/2	13	13	32	11	12.5	16	40 x 25	1 1/2 x 1	80 x 50	3 x 2
50	2	16	19	41	12	16	19	40 x 20	1 1/2 x 3/4	80 x 40	3 x 1 1/2
(65)	2 1/2	16	19	42.5	16	19	-				
80	3	16	19	44.5	19	22	-				
100	4	19	19	47.5	22	28.5	-				