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WEOFF VALVE GU'AN

阀门选型样本
VALVE TYPE SELECTION



WEOFF

沃奥芙阀门制造有限公司

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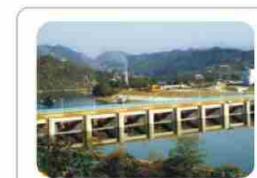
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BRIEF 企业简介 INTRODUCTION

沃奥美阀门制造有限公司是高端阀门及补偿器的制造商和服务提供商，专业从事阀门及补偿器的研制、开发、生产，不断吸收德国合作企业领先的生产技术和生产工艺，努力打造国际一流的阀门及补偿器生产线，为客户提供舒适、安全、节能、环保的全方位解决方案。公司坐落于固安工业开发区，注册资金1亿元人民币，占地面积约55000平方米，建筑面积约35000平方米。公司现有员工350人，各类专业技术人员120人，其中高级工程师15人。是华北地区规模最大的阀门制造基地之一。

公司建立了完善的产品质量保证体系，先后取得了TS中华人民共和国特种设备生产许可证、ISO9001:2015质量体系认证、ISO14001:2015环境管理体系认证、ISO45001:2018职业健康安全管理体系认证、CE认证、美国API认证、发明专利证书、高新技术企业等认证。

公司设有阀门及补偿器研发中心、生产管理中心、理化试验检测中心。拥有数控加工一体化、焊接冷处理、装配组装、

机器人全自动焊接、等离子喷焊、大型球体抛光、理化及无损探伤检测、全自动压力及扭矩检测、阀门自动喷涂烤漆烘干等各类高精度、现代化的加工和检测设备。依托完善的管理模式、领先的技术和生产工艺，以及先进的测试系统使得产品质量得到不断提高，为国内外客户提供高品质的阀门产品。

公司以“扬工匠精神，树百年品牌”为企业宗旨，锐意创新，打造精品，开发研制出一系列拥有自主核心技术的产品。主要有球阀、蝶阀、闸阀、截止阀、水力控制阀、补偿器等系列产品。广泛应用在城市燃气、区域供热、建筑、石油、化工、造船、钢铁、电厂及海上钻井平台等领域。公司以过硬的产品、良好的信誉与国内众多大型知名企业建立了长期战略合作伙伴关系，在国内外市场上赢得了客户的信赖和尊重，并得到了广大用户的认可与好评。沃奥美恪守“诚信是立业之本，发展是兴企之道”的企业理念，以持续改造为动力，以产品创新求发展，为广大客户提供最优质的产品与服务。

沃奥美期待与您真诚合作，共创辉煌的明天！

Weoff Valve Manufacturing Ltd. is a manufacturer and service provider of high-end valves and compensators, specializing in the Research, Development, Production and continuous absorption of the German partner companies leading production technology and production processes, and strive to build a world-class valve. The company provides customers with comprehensive solutions of comfort, safety, energy saving and environmental protection. The company is located in the Gu'an Industrial Park, with a registered capital of RMB 100 million, covering an area of about 55,000 square meters and a construction area of about 1,000 square meters. 35000 square meters. The company now has 350 employees, 120 professional and technical personnel of all kinds, including 15 senior engineers. The company is one of the largest valve manufacturing bases in North China.

The company has established a perfect product quality assurance system, and has obtained the TS People's Republic of China special equipment production license. ISO9001:2015 Quality System Certification, ISO14001:2015 Environmental Management System Certification. ISO45001:2018 Occupational Health and Safety Management System Certification, CE Certification, US API Certification, Inventions Patent certificate, high-tech enterprises and other certifications.

The company has a valve and compensator research and development center, production management center, physical and chemical testing center. The company has CNC machining integration, welding cold treatment, assembly assembly, robot automatic welding, plasma spray welding, large spherical polishing, and other advanced technologies. Various types of high-precision and modernized equipment such as physical, chemical and nondestructive testing, automatic pressure and torque testing, automatic spraying of valves, baking and drying of paint, etc. Processing and testing equipment. Relying on the perfect management mode, leading technology and production process, as well as advanced testing system, the quality of products has been constantly improved. To provide high quality valve products for customers at home and abroad.

The company takes "carry forward the spirit of craftsmanship, tree hundred years of brand" as the enterprise tenet, forge ahead with innovation, create fine products, develop and produce a series of products with the following characteristics Products of independent core technology. Mainly ball valves, butterfly valves, gate valves, globe valves, hydraulic control valves, compensators and other series of products. Widely used in city gas, district heating, construction, petroleum, chemical industry, shipbuilding, iron and steel, power plants and offshore drilling platforms and other fields. The company has established long-term strategic partnership with many large domestic well-known enterprises with excellent products and good reputation. In the market to win the trust and respect of customers, and has been recognized and praised by the majority of users. Weoff scrupulously abides by the enterprise philosophy of "honesty is the foundation of the industry, development is the way to develop the enterprise", and takes continuous transformation as the motive power, and product innovation as the way to seek a better future. Development, to provide our customers with the best quality products and services.

Weoff looks forward to working with you in good faith to create a glorious tomorrow!



先进的设备创造出完美的品质
ADVANCED EQUIPMENT TO CREATE A PERFECT QUALITY

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We have first class manufacturing equipments ,
complete new concept and latest technology,
to produce high-quality products,complying with international standard



PRODUCTS COLLECTION

我们致力于给客户最好的技术。
We are dedicating to providing Best technical act for customers.



固定式球阀
Fixed ball valve



法兰连接三通球阀
Flange connection three way ball valve



法兰全焊接钢制球阀
Flange Fully-welded steel ball valve



API截止阀
API Globe Valve



API低温截止阀
API Cryogenic Globe Valve



锻钢截止阀
Forged Steel Globe Valve



API截止阀
API Globe Valve



API截止阀
API Globe Valve



API止回阀
API Check Valve



API止回阀
API Check Valve



API止回阀
API Check Valve



锻钢止回阀
Forged Steel Check Valve



API闸阀
API Gate Valve



API闸阀
API Gate Valve



锻钢闸阀
Forged Steel Gate Valve



API闸阀
API Gate Valve



低温闸阀
Cryogenic Gate Valve



API闸阀
API Gate Valve



平板闸阀
Flat Gate Valve



平板闸阀
Flat Gate Valve



管道闸阀
Expanding through conduit Gate Valve

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阀门型号编制方法 Valve model classification method

阀门型号编制方法 (JB/T308-2004) Classification method of valve model

● 阀门型号由七个单元组成按下列顺序编制 The valve model is composed of seven units and is established according to the following sequence



● 类型代号 Code of type

类型 Type	代号 Code	类型 Type	代号 Code	类型 Type	代号 Code	类型 Type	代号 Code
弹簧式安全阀 Spring type safety valve	A	蝶阀 Butterfly valve	D	隔膜阀 Diaphragm valve	G	杠杆式安全阀 Lever type safety valve	GA
止回阀 Check valve	H	底阀 At the end of valve	H	截止阀 Globe valve	J	节流阀 throttle valve	L
排污阀 Drain valve	P	球阀 Ball valve	Q	蒸汽疏水阀 Steam trap	S	柱塞阀 Plunger valve	U
旋塞阀 Plug valve	X	减压阀 Pressure relief valve	T	闸阀 Gate valve	Z		

● 传动方式代号 Code of driving type

传动方式 Driving type	代号 Code	传动方式 Driving type	代号 Code
电磁动 Solenoid	0	伞齿轮 Bevel gear	5
电磁液动 Electromagnetic and hydraulic	1	气动 Pneumatic	6
电液动 Electric and hydraulic	2	液动 Hydraulic	7
蜗轮 Worm wheel	3	气液动 Pneumatic and hydraulic	8
正齿轮 Spur gear	4	电动 Electric	9

注: (1) 手轮、手柄和扳手传动以及安全阀、减压阀、疏水阀省略本代号。

(2) 对于气动或液动: 常开式用6K、7K表示; 常闭式用6B、7B表示; 气动带手动6S表示; 防爆电动用9B表示。

Note: (1) For the safety valve, pressure reducing valve and drainage valve with handwheel, handle and wrench driving, the code is omitted.

(2) For pneumatic or hydraulic, the constant open type is expressed in 6k and 7k. The constant close type is expressed in 6B and 7B. Pneumatic and manual is expressed in 6S. Electric with anti-explosion is expressed in 9B.

● 连接形式代号 Code of connection form

连接形式 Connection form	内螺纹 Internal thread	外螺纹 External thread	法兰 Flange	焊接 Welding	对夹 Wafer	卡箍 Hoop	卡套 Ferrule
代号 Code	1	2	4	6	7	8	9



● 结构形式代号 Code of structural form

闸板 Gate valve	结构形式 structural style	阀杆升降式(明杆) Stem lift (Ming bar)				阀杆非升降式(暗杆) Stem non lift type (dark bar)				
		楔式闸板 Wedge type gate		平行式闸板 Parallel damper		楔式闸板 Wedge type gate		平行式闸板 Parallel		
		刚性闸板 Rigid gate								
		弹性闸板 Elastic damper	单闸板 Single ram	双闸板 Double disc	单闸板 Single ram	双闸板 Double disc	单闸板 Single ram	双闸板 Double disc	单闸板 Single ram	双闸板 Double disc
代号 Code		0	1	2	3	4	5	6	7	8

截止阀 Globe valve 节流阀 Throttle valve 柱塞阀 Plunger valve	结构形式 structural style	阀瓣非平衡式 Non balanced valve flap				阀瓣平衡式 Balance valve type			
		直通流道 Through flow channel	Z形流道 Z shaped channel	三通流道 Three way flow passage	角式流道 Angle flow channel	直流流道 DC flow channel	直通流道 Through flow channel	角式流道 Angle flow channel	
		代号 Code	1	2	3	4	5	6	7

球阀 Ball valve	结构形式 structural style	浮动球 Floating ball				固定球 Fixed ball				
		直通流道 Through flow channel	Y形 三通流道 Y three channels	L形 三通流道 L three channels	T形 三通流道 T three channels	直通流道 Through flow channel	四通流道 Four way flow passage	T形 三通流道 T three channels	L形 三通流道 L three channels	半球直通 Hemisphere through
		代号 Code	1	2	4	5	7	6	6	9

蝶阀 Butterfly valve	结构形式 structural style	密封式 Sealed type					非密封式 Non sealing type				
		单偏心 Single eccentric	双偏心 Double eccentric	三偏心 Three eccentric	连接机构 Connecting rod mechanism	单偏心 Single eccentric	双偏心 Double eccentric	三偏心 Three eccentric	连接机构 Connecting rod mechanism		
		代号 Code	0	1	2	3	4	5	6	7	8

隔膜阀 Diaphragm valve	结构形式 structural style	侧开流道 The side of the channel	直通流道 Through flow channel	直流流道 DC flow channel	Y形角式流道 Y shaped angle flow channel
		代号 Code	1	5	6

旋塞阀 Plug valve	结构形式 structural style	填料密封 Packing seal			油封 Oil seal	
		直通流道 Through flow channel	T形三通流道 T three channel	四通流道 Four way flow passage	直通流道 Through flow channel	T形三通流道 T three channel
		代号 Code	3	4	5	7



止回阀 Check valve	结构形式 structural style	升降式阀瓣			旋启式阀瓣			蝶形止回式 Butterfly type check
		直通流道 Through flow channel	立式结构 Vertical structure	角式流道 Angular circulation	单瓣结构 Single structure	多瓣结构 Multiple valve structure	双瓣结构 Double valve structure	
		代号 Code	1	2	3	4	5	

● 阀座密封面或衬里材料代号 Code of materials for valve seat, sealing surfaces and lining

密封面或衬里材料 Sealing surface or lining material	代号 Code	密封面或衬里材料 Sealing surface or lining material	代号 Code
巴氏合金 Babbitt alloy	B	尼龙塑料 Nylon plastic	N
搪瓷 enamel	C	渗碳钢 Boronized steel	P
渗氮钢 Nitriding steel	D	衬胶 Lined lining	G
氟塑料 Fluorine plastic	F	奥氏体不锈钢 Austenitic stainless steel	R
陶瓷 Ceramics	G	塑料 Plastic	S
Cr13系不锈钢 Cr13 series stainless steel	H	铜合金 Copper alloy	T
衬胶 Rubber lining	..	橡胶 Rubber	X
蒙乃尔合金 Monel alloy	M	碳化钨合金 Cemented carbide	Y

注：当阀体直接加工密封面或衬里材料代号“W”表示；当阀座密封面（或衬里）密封面材料不同时，用三位密封材料代号表示（同密封面外）。
Note: The code of materials for valve seat and sealing surface processed directly by the valve body is expressed in "W". If the materials of valve seat and valve body (or back) sealing surface are different, it shall be expressed in the code of materials with two digits (except the diaphragm valve).

● 公称压力代号 Value of nominal pressure

按“GB/T1048《PN公称压力》”的规定，用于电站工业的阀门，当介质最高温度超过536℃时，按JB/T308第3.7.2的规定，标注最高温度下的工作压力。

The value of nominal pressure shall be in accordance with the stipulations in GB/T 1048 Nominal pressure, definition and selection. For the valves used in power station industry, when the maximum temperature of the medium exceeds 536°C, according to the stipulation in JB/T 308-3.7.2 note the working pressure of high temperature.

● 阀体材料代号 Code of materials for valve body

阀体材料 Body material	代号 Code	阀体材料 Body material	代号 Code
碳钢 Carbon steel	C	塑料 Plastic	S
Cr13系不锈钢 Cr13 series stainless	H	铜及铜合金 Copper and copper alloys	T
铸铜铁钢 Cu-Mo steel	I	钛及钛合金 Titanium and titanium alloys	Ti
可锻铸铁 Malleable iron	K	铸钴钼钢 Cr-MoV	V
铝合金 Aluminum alloy	L	灰铸铁 Gray cast iron	Z
铬镍钛不锈钢 Cr-Ni stainless steel	P	铬钼镍系不锈钢 Chromium nickel molybdenum stainless steel	R
球墨铸铁 Nodular graphite cast iron	Q		

注：PN≤10kg/cm²的灰铸铁阀体和PN≤20kg/cm²的球墨铸铁阀体，省略不表示。
Note: For the gray cast iron valve body with PN≤10kg/cm² and cast iron valve body with PN≤20kg/cm², the unit is omitted.

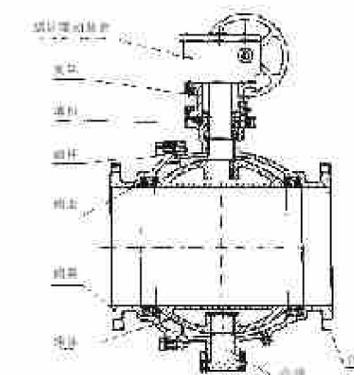
球阀系列Ball valve series



固定式球阀

Q47型固定式防火型球阀（管线球阀）

Q47型固定式球阀是新一代高性能球阀，适用于天然气管线和一般工业管线。其安全、耐恶劣环境性等在设计时均已进行了特殊考虑，适用于各种腐蚀性和非腐蚀性介质。它与浮动式球阀相比，工作时管道中流体压力在球体上产生的作用力全部传递给上下轴承，球体不会移动，阀门密封靠弹簧和介质压力推动阀座实现，因而阀座不会承受过大压力，所以Q47型固定式球阀阀门不变形、操作力矩轻、密封性能可靠、使用寿命长。特别适用于高压、大口径的场合。



固定式球阀力矩表（N.M）

通径 (mm) \ 压力 (MPa)	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
PN1.6	25	50	65	125	250	340	485	810	1310	1810	2860	4500	6860	8920	13320	24000
PN2.5	30	60	80	140	300	400	660	1140	1870	2740	4150	6500	7800	13210	19830	35420
PN4.0	50	100	150	250	450	585	996	1690	2800	4110	6300	8900	12000	20320	30570	55200
PN6.4	100	200	300	400	650	890	1500	2660	4290	6320	9760	13600	18850	31820	48020	86830
PN10.0	190	360	480	770	1050	1920	3220	6250	7200	9960	14600	19600	29000	42600	68000	82000

注：表中所列数据未经实际测定，仅供参考。

通径 (mm) \ 压力 (MPa)	2	2.1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40
150	25	50	65	125	250	410	700	1100	1750	2600	3500	6200	7500	10500	14500	21000	26000	35000
300	60	120	160	290	600	950	1550	2000	3300	5000	7500	11600	14400	19600	26200	29800	40000	46000
400	140	240	350	540	740	1260	1910	3250	5340	7500	10000	12400	19500	23500	40500	50000	51000	71000
600	190	360	480	770	1050	1980	3280	5250	7200	9860	14500	13600	23000	42500	58000	62000	75000	105000

注：表中所列数据未经实际测定，仅供参考。



结构特点及用途

1. 抗硫化应力腐蚀，阀内接触介质的材料符合美国腐蚀工程师协会NACE01-75的标准进行选择，且按标准进行表面镀膜，能满足硫化环境工况的要求。
2. 用聚合物或金属作密封材料，在高温、高压工况具有优良的密封性能。
3. 设置填料箱，防止阀内腔压力异常升高而使阀杆飞出，增强倒密封结构，能确保填料可靠密封。
4. 广泛应用于化工、炼油、油气、天然气、钢铁等介质管路。



执行标准

1. 设计和制造: GB/T12237-1999, API608
2. 检验和试验: GB/T13927-1992, API608
3. 法兰连接: JB/T79.1-1994, ASME/ANSI B16.5
4. 结构长度: GB/T12221-1989, GB/T15188.1-1993, ASME/ANSI B16.10

驱动方式: 手动、电动、气动、液动

性能规范

试验压力 单位: MPa

公称压力 PN	壳体最大工作压力	壳体试验压力	气密封试验压力	气液密封试验压力
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.76
4.0	4.0	6.0	0.6	4.4
6.3	6.3	9.6	0.6	7.1
10.0	10.0	15.0	0.6	11.0
16.0	16.0	24.0	0.6	17.6
20.0	20.0	30.0	0.6	22.0
25.0	25.0	37.5	0.6	27.5
Class150	2.0	3.0	0.6	2.2
Class300	5.0	7.5	0.6	5.5
Class600	10.0	15.0	0.6	11.0
Class900	15.0	22.5	0.6	16.5
Class1500	25.0	37.5	0.6	27.5

使用范围

壳体材料	衬底材料	适用温度	适用介质
碳钢/球墨	PTFE	≤150℃	水、蒸汽、油品等
	不锈钢	≤125℃	
铸铝/铸钢/球墨	PTFE	≤150℃	磷酸类
	不锈钢	≤200℃	
铸铝/铸钢/球墨	PTFE	≤150℃	磷酸类
	不锈钢	≤200℃	
铸铝/球墨	硬质合金	≤650℃	蒸汽、丙烯、能源等

主要零件材料

阀体、阀盖	GB	25	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	15Cr1Mo1v
	ASTM	A192	304	316	F22a
	GB	20Cr13/表面特殊处理	1Cr18Ni9Ti/表面特殊处理	0Cr18Ni12Mo2Ti/表面特殊处理	25Cr2Mo1v/表面特殊处理
球杆、固定轴	GB	<20	304+HT	316+HT	F22a+HT
	ASTM	<20	304	316	F22a
阀座	GB	PTFE/20Cr13	PTFE/1Cr18Ni9Ti	PTFE/0Cr18Ni12Mo2Ti	25Cr2Mo1v
	ASTM	PTFE/20	PTFE/304	PTFE/316	F22a
阀杆	GB	PTFE/柔性石墨	PTFE/柔性石墨	PTFE/柔性石墨	柔性石墨
	ASTM	PTFE/柔性石墨	PTFE/柔性石墨	PTFE/柔性石墨	柔性石墨
阀杆螺母	GB	35	0Cr18Ni9	0Cr18Ni10	15Cr1Mo1v
	ASTM	A193 B7	A320-3B	A329-3B	A193 B15
螺母	GB	45	1Cr13	20Cr13	20CrMo
	ASTM	A194-2H	A194-8	A194-3	A194-4



结构特点及用途

1. 零密封自动补偿: 全副阀座采用进口弹性材料制成, 具有足够的弹性力, 阀门使用过程中密封面磨损时, 在弹簧作用下阀门始终保持良好的密封。
2. 工作稳定: 球体设置上下轴支撑, 保压后不会产生相对位置移动。
3. 球体与密封面之间无摩擦作用, 均选用合金钢, 微小固体颗粒, 极易介出。
4. 全开时流通能力大, 阻力损失小, 且介质不会沉积在阀体中腔内。
5. 在球体表面及球体通道、阀座内径和阀体通道进行超音速喷丸处理, 密封性能和使用寿命均达到国际先进水平。
6. 广泛应用于煤气除尘、烟气除尘、煤粉、污水、废渣、泥浆等。



执行标准

1. 设计和制造: GB/T12237-1999,
2. 检验和试验: GB/T13927-1992,
3. 法兰连接: GB/T9115.1-2000,
4. 结构长度: JB/T2002.

驱动方式: 手动、电动、气动、液动

性能规范

试验压力 单位: MPa

公称压力PN	公称直径DN	壳体试验压力	密封试验压力	适用温度	适用介质
0.25	0.25	0.38	0.26	≤250℃	煤气灰、污水
0.6	0.6	0.9	0.66		

性能规范

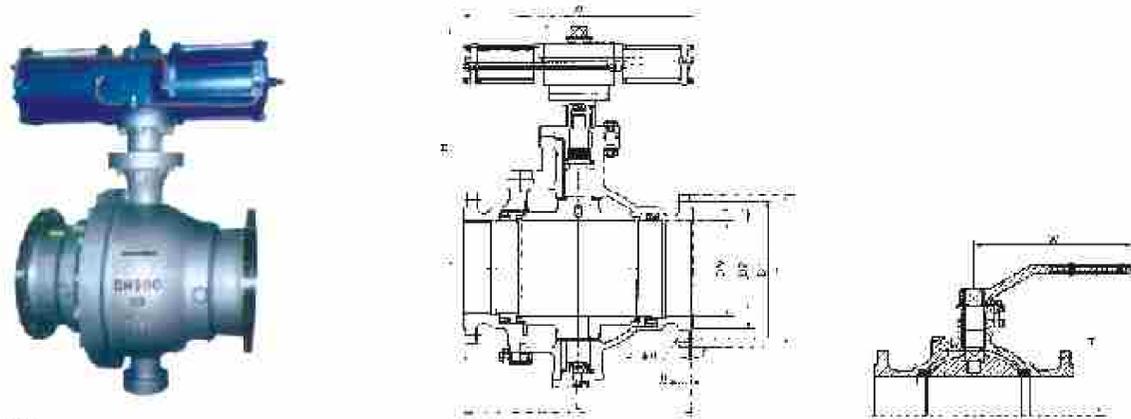
阀体、阀盖	球体、轴杆	阀座	密封面	衬垫	螺母	螺母
WCB	20Cr13	A106+碳钢	对位聚苯	柔性石墨	35	45



产品特点

本系列球阀是特殊控制各案，含D类执行器，特别适用于高炉煤粉喷吹、空气管路及喷枪煤粉喷射系列。

1. 阀盖带有磨损自补偿装置，有效确保阀门的密封性能。
2. 特殊材料制成密封副，具有耐腐蚀、耐磨损、使用寿命长的特点。
3. 阀门结构紧凑、启闭灵活、安装维修方便。



主要零件材质

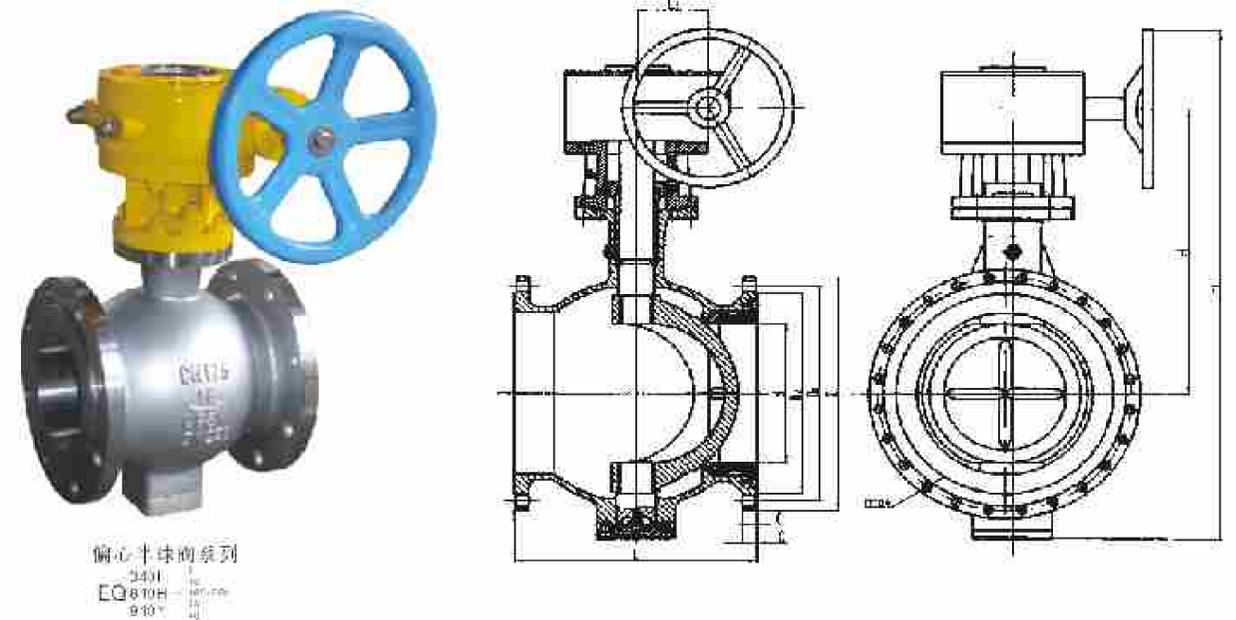
零件名称	材质
阀体、阀盖	WCB
阀体、阀座	1Cr18Ni9Ti硬铬
阀杆	2Cr13
密封副	特种耐磨耐高温四氟
填料	中碳钢

技术规范

壳体强度试验	2.4MPa
壳体试验时	1.1
低压密封性	0.6
适用温度	-28~300℃
适用介质	含尘煤气体、煤粉等
设计标准	GB/T12237-2007
结构长度	GB/T12221-2005
法兰尺寸按	GB9113.1-2000
检验试验按	JB/T9092-33
驱动方式	手动、气动

公称压力 (MPa)	公称通径 (mm)	尺寸(mm)				
		W		H		
		手动	气动	手动	气动	
1.6	25	180	140	235	80	298
	32	200	155	235	107	304
	40	220	160	230	127	370
	50	220	260	330	140	376
	65	241	350	420	164	425
	80	285	350	510	177	484
	100	306	420	510	206	531
	125	356	700	550	292	570
	150	394	1000	720	320	570
	200	457	-	770	-	610
	250	533	-	900	-	670
	300	610	-	1050	-	740
	350	686	-	1200	-	790
	400	762	-	1600	-	905

其余连接尺寸请参考本（主要件型与连接尺寸表）

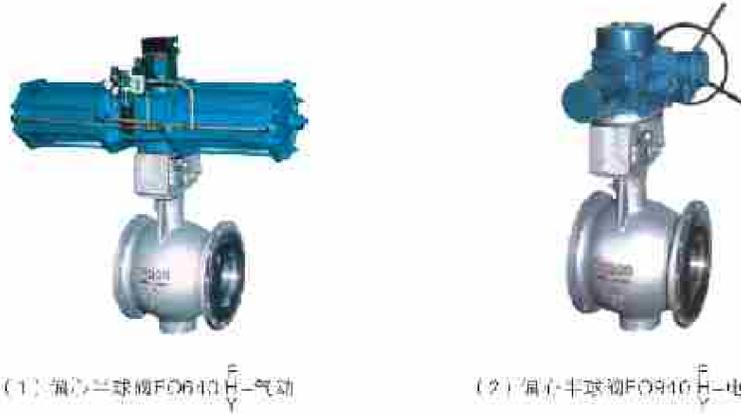


主要尺寸

公称压力(MPa)	公称通径		尺寸(mm)							
	mm	W	I 法兰	D系列(系列)	D1	D2	D6	b	+	±
法兰标准 JB/T7011-34 阀门结构长度 GB12221-2005 0.6	40	-	125	130	100	78	-	13	2	4-14
	50	-	140	140	110	88	-	13	2	4-14
	65	-	150	150	130	108	-	16	2	4-14
	80	-	178	190	150	124	-	19	2	4-18
	100	-	200	210	170	144	-	13	2	4-16
	125	-	254	240	200	174	-	13	2	8-18
	150	-	267	255	225	199	-	20	2	8-18
	200	-	292	320	280	254	-	22	2	8-16
	250	-	330	375	335	309	-	24	2	12-18
	300	-	356	440	396	363	-	24	2	12-22
	350	-	361	430	425	413	-	24	2	12-22
	400	-	430	540	495	463	-	24	2	16-22
450	-	502	555	550	518	-	24	2	16-22	
500	-	550	645	600	568	-	28	2	20-22	
600	-	660	755	705	667	-	30	2	20-26	



偏心半球阀系列



主要尺寸

(1) 偏心半球阀FO910 H—气动

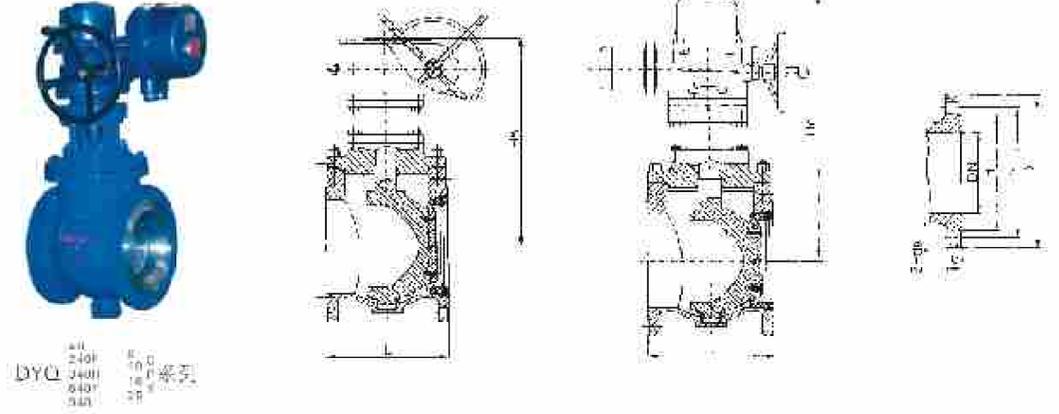
(2) 偏心半球阀FO910 H—电动

公称压力(MPa)	公称通径		尺寸(mm)							
	mm	H	L	D	D1	D2	D6	b	f	Z-φd
法兰标准 JB/T9113-1994 阀门结构式牌 JD2004 1-2005 1.0	40	-	125	150/145	110	84	-	18	2	4-18
	50	-	175	165/160	125	89	-	20	2	4-18
	65	-	190	185/180	145	118	-	20	2	4-18
	80	-	205	200/195	160	132	-	20	2	8-18
	100	-	225	220/215	180	156	-	22	2	8-18
	125	-	254	250/245	210	184	-	22	2	8-18
	150	-	287	285/280	240	211	-	24	2	8-22
	200	-	297	340/335	295	266	-	24	2	8-22
	250	-	330	395	350	318	-	26	2	12-22
	300	-	355	445	400	370	-	26	2	12-22
	350	-	381	505	460	428	-	26	2	18-22
	400	-	430	555	515	480	-	26	2	18-26
	450	-	502	615	565	530	-	28	2	20-26
	500	-	550	670	620	582	-	28	2	20-28
	600	-	650	740	725	682	-	34	2	20-30
700	-	700	835	840	794	-	34	5	24-30	
800	-	1000	1015	950	901	-	36	5	24-33	

公称压力(MPa)	公称通径		尺寸(mm)							
	mm	H	L	D	D1	D2	D6	b	f	Z-φd
法兰标准 JB/T9113-1994 阀门结构式牌 JD2004 1-2005 1.0	40	-	125	150/145	110	84	-	18	2	4-18
	50	-	175	165/160	125	99	-	20	2	4-18
	65	-	190	185/180	145	118	-	20	2	4-18
	80	-	205	200/195	160	132	-	20	2	8-18
	100	-	225	220/215	180	156	-	22	2	8-18
	125	-	254	250/245	210	184	-	22	2	8-18
	150	-	287	285/280	240	211	-	24	2	8-22
	200	-	297	340/335	295	266	-	24	2	12-22
	250	-	330	405	355	318	-	26	2	12-26
	300	-	355	460	410	370	-	28	2	12-26
	350	-	381	520	470	428	-	30	2	18-26
	400	-	430	580	525	480	-	32	2	18-30
	450	-	502	640	585	548	-	34	2	20-30
	500	-	550	715/705	650	609	-	36	2	20-33
	600	-	680	840	770	720	-	38	2	20-36
700	-	700	910	840	794	-	40	5	24-36	
800	-	1000	1025/1020	950	901	-	42	5	24-39	



上装式偏心半球阀



主要尺寸

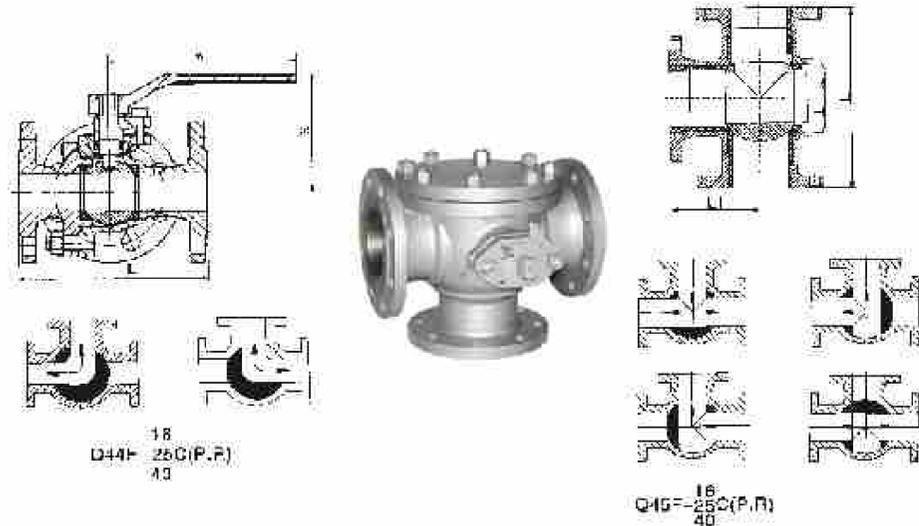
法兰标准
JB/T9113-1994
阀门结构式牌
JD2004 1-2005
1.0

公称压力(MPa)	公称通径		尺寸(mm)							
	L	D	k	d	b	Z-φd	H _W	H _d		
法兰标准 JB/T9113-1994 阀门结构式牌 JD2004 1-2005 1.0	50	178	165	125	100	18	4-φ18	270	310	
	65	190	180	145	120	18	4-φ18	280	320	
	80	203	195	160	135	20	4-φ18	290	330	
	100	229	220	180	156	22	8-φ18	330	380	
	125	254	250	210	184	22	8-φ18	345	405	
	150	287	285	240	211	24	8-φ22	370	440	
	200	297	340	295	266	24	8-φ22	405	470	
	250	330	395	350	318	26	12-φ22	480	540	
	300	355	445	400	370	26	12-φ22	520	580	
	350	430	505	460	428	28	18-φ22	570	630	
	400	530	565	515	480	28	18-φ26	630	710	
	450	580	615	565	530	28	20-φ26	690	770	
	500	660	670	620	582	28	20-φ26	740	820	
	600	840	780	725	682	24	20-φ30	840	940	
	700	900	895	840	794	34	24-φ30	960	1040	
800	1000	1015	950	901	36	24-φ33	1080	1180		
900	1100	1115	1050	1001	38	28-φ33	1180	1280		
1000	1200	1230	1160	1112	38	28-φ36	1310	1420		
1200	1300	1455	1350	1326	44	32-φ38	1420	1520		
1400	1500	1625	1550	1530	48	38-φ42	1540	1650		
法兰标准 JB/T9113-1994 阀门结构式牌 JD2004 1-2005 1.0	50	178	165	125	100	18	4-φ18	270	310	
	65	190	180	145	120	18	4-φ18	280	320	
	80	203	195	160	135	20	4-φ18	290	330	
	100	229	220	180	156	22	8-φ18	330	380	
	125	254	250	210	184	22	8-φ18	345	405	
	150	287	285	240	211	24	8-φ22	370	440	
	200	297	340	295	266	24	12-φ22	405	470	
	250	330	395	350	318	26	12-φ26	480	540	
	300	355	445	400	370	26	12-φ26	520	580	
	350	430	520	460	428	28	18-φ26	570	630	
	400	530	580	515	480	28	18-φ30	630	710	
	450	580	640	565	530	28	20-φ30	690	770	
	500	660	715	620	582	28	20-φ30	740	820	
	600	840	840	770	720	24	20-φ36	840	940	
	700	900	910	840	794	34	24-φ36	960	1040	
800	1000	1025	950	901	36	24-φ39	1080	1180		
900	1100	1125	1050	1001	38	28-φ38	1180	1280		
1000	1200	1255	1160	1112	38	28-φ42	1310	1420		
1200	1300	1455	1350	1326	44	32-φ48	1420	1520		
1400	1500	1625	1550	1530	48	38-φ48	1540	1650		



产品结构及用途

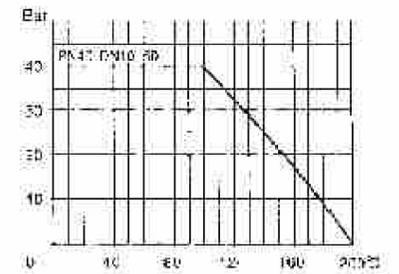
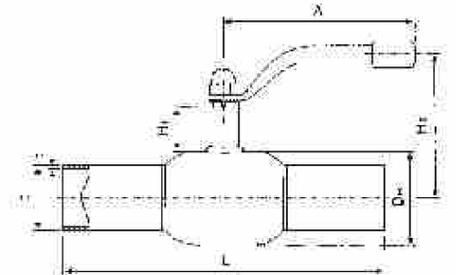
三通球阀可分为L形和T形，L形（Q44F）三通球阀用于介质流向的切换，能使相互垂直的两个通道连接。T形（Q45F）三通球阀用于介质分流、合流及端直切换。T形三通可以使两路相互直通或使其中的两个通道直通。三通球阀一般采用可锻铸结构，亦可按用户需求采用不锈钢结构。



试验压力	公称压力 (MPa)				
MPa	1.6	2.5	4.0	CL150	JIS10K
强度试验	2.4	3.8	6.0	3.2	2.0
密封试验	1.8	2.8	4.7	2.2	1.5
气密试验	0.5~0.7				
工作温度	PTFE ≤ 150°C, PPI ≤ 280°C				
适用介质	C: 水、油、气; P: 磷酸类; R: 醋酸类				

阀体、阀盖	WCB, CF8
球体	WCR+GCr, GFR
阀杆	2Cr13, CF8
阀座	PTFE
填料	PTFE

公称压力 MPa	公称直径		L	L1	H	W	重量 (kg)				
	mm	IP					1.6	2.5	4.0	CL150	JIS10K
1.6 2.5 4.0 CL150 JIS10K	15	1/2	170	65	62	130	2.5	3.0	3.5	2.5	2.5
	20	3/4	180	75	68	160	3.0	3.5	4.5	3.0	3.5
	25	1	185	80	75	180	4.8	5.0	6	5.0	5.0
	32	1 1/4	185	90	85	200	5.5	7	8.5	7	7
	40	1 1/2	200	100	95	200	8.5	9	10.5	6	9
	50	2	230	115	110	250	11	12	14	12	11
	65	2 1/2	290	145	130	300	15	17	20	16	16
	80	3	310	165	155	400	21	22	32	21	22
	100	4	380	175	160	500	33	36	50	36	36
	125	5	400	200	250	600	55	70	80	68	70
150	6	480	240	275	800	103	110	120	105	105	
200	8	580	290	325	1000	152	165	180	160	160	



材料

阀体/产品说明

Materials

Graphs/Product Descriptions

适用范围

供暖系统、区域供热、工业用途、城市燃气

Application

Heating systems, district heating, industrial purposes

介质

水、空气、油和其它不与碳钢发生化学反应的流体

Media

Water, air, oil and other fluids, which are not decomposing carbon steel

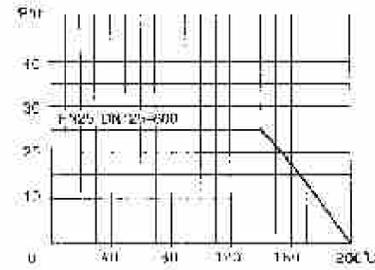
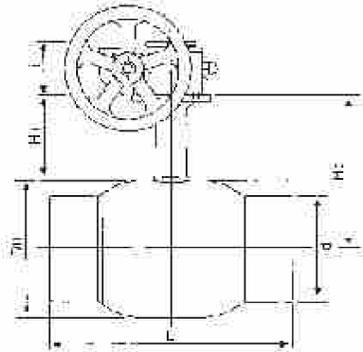
主要连接尺寸 Main connection size

DN	公称直径 Bore	DN	L	H1	H2	A	重量/kg Weight kg
10	10	38	210	60	118	140	0.8
15	10	38	210	50	118	140	1.0
20	15	42	230	47	115	140	1.0
25	20	48	230	47	120	140	1.2
32	25	60	260	48	124	140	1.8
40	32	76	260	41	128	180	2.4
50	40	88	300	41	135	180	4



PN25, DN125-600
标准型全焊接钢制球阀

PN25, DN125-600
Fully-welded steel ball valve



材料

国标/产品说明

Materials

Graphs/Product Descriptions:

适用范围

供暖系统、区域供热、工业用途、城市燃气

Application

Heating systems, district heating, industrial purposes

介质

水、空气、油和其他不与碳钢发生化学反应的流体

Media

Water, air, oil and other fluids, which are not decomposing carbon steel.

根据标准要求，规格为DN250-DN600的不提供手柄。

可以订购如下附加配件：

可移动的旋转执行机构

手动旋转执行机构

电动旋转执行机构

As standard, DN250-600 is supplied without handle.

The following operating devices are available to order:

Backstop for mobile actuator

Stationary hand-operated actuator

Electric actuator.

阀杆末端装有ISO标准法兰

The spindle top is equipped with an ISO flange.

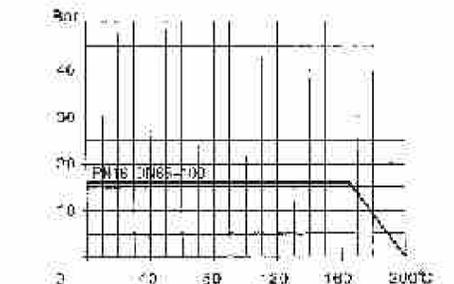
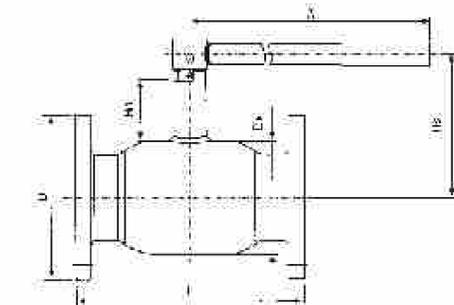
主要连接尺寸 Main connection size

DN	公称直径 Bore	D ₁	∅ A/B	e	L	H	H ₁	l	ISO	重量kg Weight (kg)
125	100	193	139.7/133	5	325	42	221	40	F07	23
150	125	219	168.3/169	6	350	63	245	50	F10	35
200	150	273	219.1/219	7	400	84	269	60	F12	55
250	200	351	273/273	8	530	90	306	54	F14	95
300	250	425	323.9/325	12	550	87	336	105	F16	130
350	300	508	365.6/377	14	650	102	395	110	F25	267
400	350	610	405.4/426	14	760	95	445	120	F25	375
450	400	610	457/450	16	760	95	460	120	F25	450
500	400	630	508/510	18	840	95	522	150	F30	650
600	500	812	610/510	22	1020	105	610	170	F30	1020



PN16, DN65-100
法兰全焊接钢制球阀

PN16, DN65-100
Flange Fully-welded steel ball valve



材料

国标/产品说明

Materials

Graphs/Product Descriptions:

适用范围

供暖系统、区域供热、工业用途、城市燃气

Application

Heating systems, district heating, industrial purposes

介质

水、空气、油和其他不与碳钢发生化学反应的流体

Media

Water, air, oil and other fluids, which are not decomposing carbon steel.

其它压力等级，见特殊型号

Other pressure levels see special models.

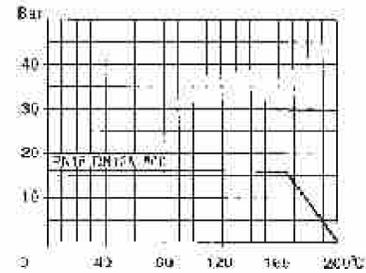
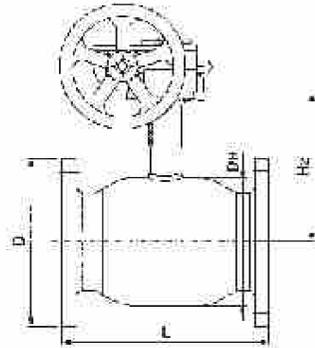
主要连接尺寸 Main connection size

DN	公称直径 Bore	D ₁	∅	L	H	H ₁	A	重量kg Weight (kg)
65	50	108	185	270	35	144	275	11
80	65	133	200	280	44	154	275	13
100	80	159	220	300	50	183	385	22



PN16, DN125-500
法兰全焊接钢制球阀

PN16, DN125-500
Flange Fully-welded steel ball valve



材料

图表/产品说明

Materials

Graphs/Product Descriptions

适用范围

供暖系统、区域供热、工业用途、城市燃气

Application

Heating systems, district heating, industrial purposes

介质

水、空气、油和其它不与碳钢发生化学反应的液体

Media

Water, air, oil and other fluids, which are not decomposing carbon steel

根据标准要求，规格为DN250-500的不提供手柄。

可以订购如下附加配件：

可移动齿轮执行机构

手动齿轮执行机构

电动齿轮执行机构

As standard, DN250-500 is supplied without handle.

The following operating devices are available to order:

Backstop for mobile actuator.

Stationary hand-operated actuator.

Electric actuator.

其它压力等级：见特殊型号

Other pressure levels: see special models.

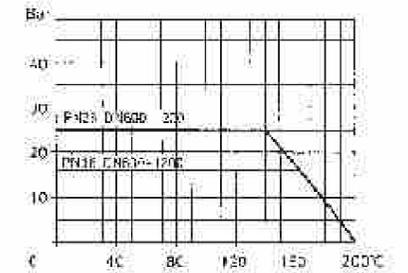
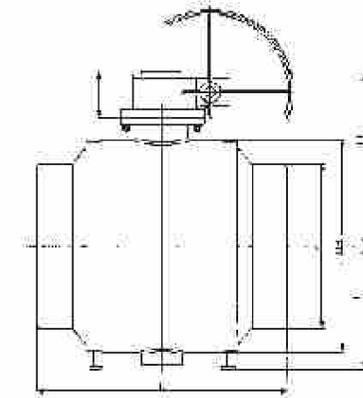
主要连接尺寸 Main connection size

DN	公称口径 Bore	D ₁	D ₂	L	H ₁	H ₂	s _s	T	ISO	重量kg Weight kg
125	100	193	250	325	47	221	24	40	365	32
150	125	219	285	350	83	245	30	60	350	45
200	150	273	340	400	84	289	30	60	-	59
250	200	351	405	530	90	305	50	84	-	140
300	250	425	450	550	87	336	60	105	-	210
350	300	508	520	650	102	395	60	110	-	335
400	350	610	580	750	95	445	70	120	-	550
500	400	680	715	1150	95	522	80	150	-	860



PN16/25, DN600-1200
标准型全焊接钢制球阀

PN16/25, DN600-1200
Standard type all welded steel ball valve



材料

图表/产品说明

Materials

Graphs/Product Descriptions

适用范围

供暖系统、区域供热、工业用途、城市燃气

Application

Heating systems, district heating, industrial purposes

介质

水、空气、油和其它不与碳钢发生化学反应的液体

Media

Water, air, oil and other fluids, which are not decomposing carbon steel

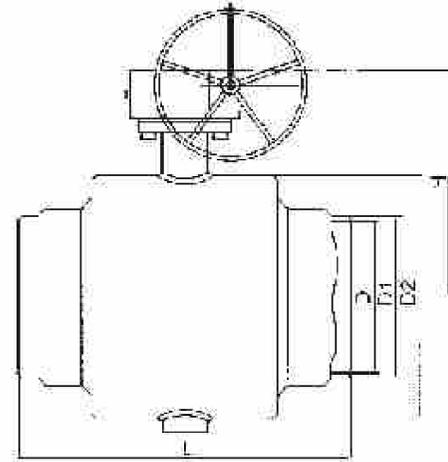
主要连接尺寸 Main connection size

DN	公称口径 Bore	D ₁	d A/B	s	L	H ₁	H ₂	重量kg Weight kg
600	500	913	913/630	22	1020	527	930	1020
700	600	983	711/720	22	1340	600	940	1355
800	664	1120	813/820	24	1520	662	1050	2300
900	761	1260	914/920	28	1720	765	1140	4200
1000	880	1400	1015/1020	30	1900	836	1210	6500
1100	980	1570	1124	32	2060	932	1320	8500
1200	1080	1700	1219/1220	36	2100	995	1450	7500
1400	1156	1950	1422/1420	42	2200	1095	1590	9500
1600	1420	2300	1625/1620	48	2300	1250	1710	11700



Q361H-25C DN50-600
硬密封全焊接球阀

Q361H-25C DN50-600
Hard Seal Full-welded Ball Valve



材料
图表/产品说明

Materials
Graphs/Product Descriptions

适用范围
供暖系统、区域供热、工业用途、城市燃气

Application
Heating systems, district heating, industrial purposes

介质
水、空气、油和其它不与碳钢发生化学反应的流体

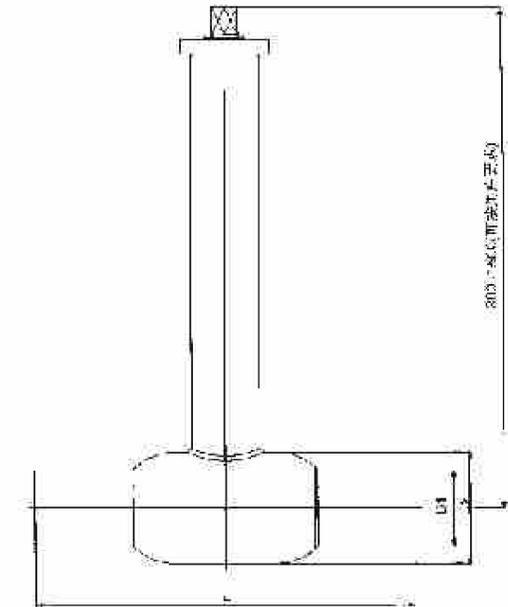
Media
Water, air, oil and other fluids, which are not decomposing carbon steel

主要连接尺寸 Main connection size

口径	L	H	D	D1	D2
DN50	300±1.0	153	50	62	83
DN65	300±1.0	167	65	76	108
DN80	325±1.0	182	80	89	168
DN100	325±1.0	195	100	114	194
DN125	350±1.5	225	125	140	219
DN150	400±1.5	256	150	166	273
DN200	530±2.0	413	200	219	351
DN250	550±2.5	445	250	273	425
DN300	650±3.0	532	300	325	508
DN350	760±3.0	620	350	377	610
DN400	870±3.5	710	400	426	680
DN450	920±2.5	743	450	460	730
DN500	1020±3.0	820	500	520	812
DN600	1340±3.0	990	600	630	1018

PN25, DN50-600
可加预保温全焊接钢制直埋球阀

PN25, DN50-600
Underground fully welded steel ball valve, pre-insulated



适用范围
区域供热、制冷和供暖系统、城市燃气

Application
District heating, cooling and heating supply systems

介质
水、空气、油和其它不与碳钢发生化学反应的流体

Media
Water, air, oil and other fluids, which are not decomposing carbon steel

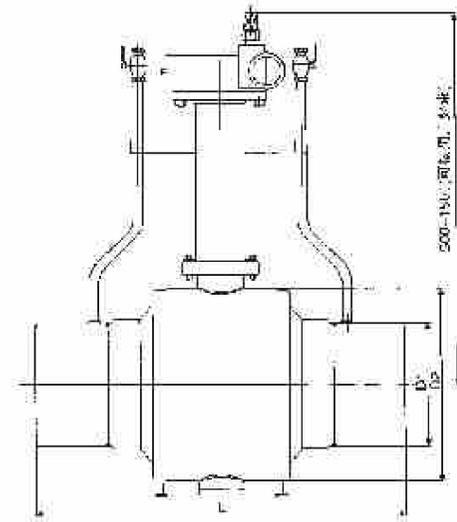
主要连接尺寸 Main connection size

SIZE DN	D1 A/B	D2	S	L	E
50	80.3/97	89	300	800	
65	95.7/118	114	300	800	
80	111.3/139	140	300	800	
100	134.3/168	166	325	800	
150	199.3/250	219	350	1000	
200	271.7/323	273	400	1130	
250	343.7/425	356	530	1150	
300	423.9/508	457	650	1650	
400	565.1/680	610	700	1700	
500	705.3/830	730	840	1840	
600	853.8/990	812	1020	2050	



PN25, DN50-600
直埋式放散球阀

PN25, DN50-600
Underground ball valve with a diffusion function



适用范围
天然气管线、城市燃气

Application
Natural gas pipelines, city gas

介质
天然气、煤气、燃气和其它不与碳钢发生化学反应的流体

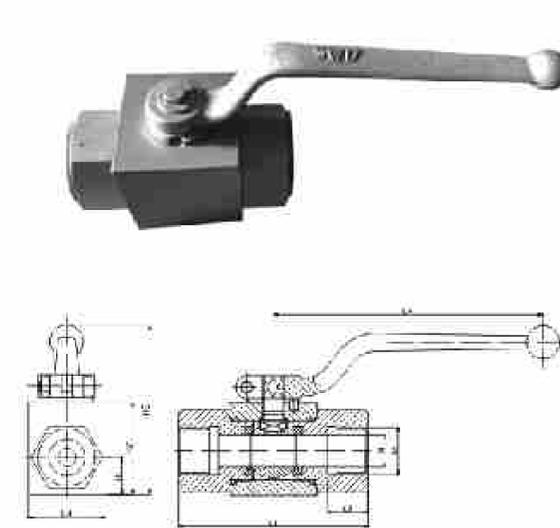
Media
natural gas, coal gas, fuel gas and other fluids, which are not decomposing carbon steel

主要连接尺寸 Main connection size

SIZE DN	A	D1 A/B	D2	L
50	550	80.3/57	60	800
65	560	76.1/76	114	800
80	560	88.9/89	140	800
100	550	114.3/108	165	800
125	660	139.7/133	216	800
150	660	158.8/159	219	1000
200	650	213.1/219	267	1130
250	660	273.1/273	355	1150
300	660	323.9/325	457	1650
350	650	355.3/377	508	1780
400	750	425.4/426	558	1870
450	750	457.2/480	558	1900
500	750	508.0/530	660	2050
600	750	602.8/630	812	2350

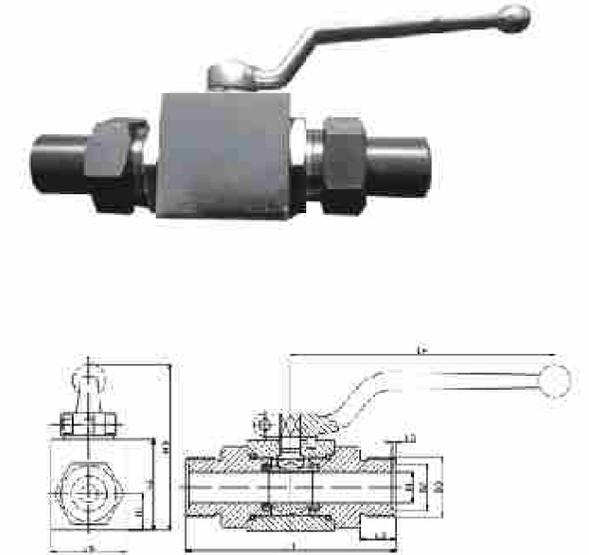


WYJZQ-J10 ~ 50N WYJZQ-J10 ~ 50W
高压液压球阀



性能规范

压力等级PN 31.5MPa
公称口径DN 10-50
强度试验压力PS: 47.0MPa
密封试验压力PT: 34.5MPa
最高工作温度TM0: 150℃
适用介质: 液压油



性能规范

压力等级PN 31.5MPa
公称口径DN 10-50
强度试验压力PS: 47.0MPa
密封试验压力PT: 34.5MPa
最高工作温度TM0: 150℃
适用介质: 液压油

技术要求

1. 阀门设计采用 GB/T 2297-1999 的规定
2. 阀门材料按 GB/T 122207-1999 的规定
3. 内螺纹连接按 GB/T 15133.4-1991 的规定
4. 阀门结构长度按 GB/T 12221-1999 标准的规定
5. 阀门的检验和试验按 GB/T 13027-1992 标准的规定

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型号	D1	D2	L1	L2	L3	L4	H1	H2	H3
WYJZQ-J10N	10	M18X1.5	78	14	105	32	16	38	78
WYJZQ-J15N	15	M22X1.5	86	18	147	38	10	45	80
WYJZQ-J20N	20	M27X2	108	19	185	48	25	55	101
WYJZQ-J25N	25	M32X2	116	20	195	57	28.5	64	111
WYJZQ-J30N	30	M42X2	136	22	240	75	37.5	84	134
WYJZQ-J40N	40	M48X2	148	24	240	85	42.5	95	165
WYJZQ-J50N	50	M64X2	180	26	240	104	52	112.5	180

型号	D1	D2	D3	L1	L2	L3	L4	L5	H1	H2	H3
WYJZQ-W 10	20	M27X1.5	104	16	2	105	32	16	38	78	
WYJZQ-W 15	22	M30X1.5	102	16	2	147	36	10	45	80	
WYJZQ-W 20	28	M36X2	124	18	2.5	185	48	25	55	101	
WYJZQ-W 25	35	M42X2	136	20	2.5	195	57	28.5	64	111	
WYJZQ-W 32	40	M52X2	150	20	2.5	240	75	37.5	84	134	
WYJZQ-W 40	50	M64X2	180	24	2.5	240	85	42.5	95	165	
WYJZQ-W 50	60	M72X2	210	26	2.5	240	104	52	112.5	180	

闸阀系列 Gate valve series

闸阀 Gate valve

闸阀的特点: Characteristics of gate valve

闸阀也叫闸板阀，是一种广泛使用的阀门。它的启闭原理是闸板密封面与阀座密封面高度光滑，一半一半，相互配合，可防止介质泄漏，并依靠闸板、弹簧或闸板的弹性，来增强密封效果。它在管路中主要起切断作用。

Valve also known as gate valve, is widely used as a valve, its closure principle is the gate sealing surface and the valve seat sealing surface high gloss, smoothness is consistent, cling to each other, can stop flow through the media, and rely on top model, a spring or a gate model, to enhance sealing effect, it is mainly cut off in the pipeline.

它的优点是：流体阻力小，启闭简单，可以在介质双向流动的情况下使用，没有方向性，全开时密封面不易冲蚀，结构长度短。

It has the advantages of: small fluid resistance, opening and closing simple, can be used in medium and two-way flow, without direction, fully open when the sealing surface is not easy to erosion, length of the structure.

适合公称规格DN15-1800mm(NPS1/2-64"), 公称压力 PN1.0-42.0MPa(Class150-2500), 工作温度-320.8-1112°F (-196-600°C)。

For nominal diameter DN15-1800mm(NPS1/2-64"). Nominal pressure PN1.0-42.0MPa(Class150-2500). Operating temperature -320.8-1112°F (-196-600°C).

广泛应用于石油天然气的开采、集输、炼化、化工、煤化工、能源、水利、冶金、矿山开采、城建、楼宇等领域。

Widely used in petroleum and natural gas mining, transport, refining, chemical, coal chemical industry, energy, water conservancy, metallurgy, mining, urban construction, building etc.

设计制造标准 API607, API608, API609, API610, API603, API6A, API606, ASME B16.34, MSS SP-42, MSS SP-81, BS 1414, BS 5157, BS 5352, ISO 10423, ISO 13434, ISO 14316, ISO 15761, JIS B 2073, JIS B 2063, JPI-75-48, JPI-75-38, GB/T 12224, GB/T 12234, JB/T 7746等。

Design and manufacture of standard API607, API608, API609, API610, API603, API6A, API606, ASME B16.34, MSS SP-42, MSS SP-81, BS 1414, BS 5157, BS 5352, ISO 10423, ISO 13434, ISO 14316, ISO 15761, JIS B 2073, JIS B 2063, JPI-75-48, JPI-75-38, GB/T 12224, GB/T 12234, JB/T 7746 etc.

产品主要参数 Main parameter of the products

基本型号 Basic model	(H, P, D)210H, (H, P, D)211Y, (H, P, D)261H, (H, P, D)261Y, (H, P, D)241H, (H, P, D)241Y, (P, D)240H, (P, D)240Y, (P, D)2440H, (P, D)2440Y, (P, D)2640H, (P, D)2640Y, (P, D)2840H, (P, D)2840Y, 压力等级范围			
压力等级范围 Pressure range	PN1.0-42.0MPa(Class150-2500)			
适用范围 Path range	DN15-1800mm(NPS1/2-64")			
驱动方式 Driving mode	手轮传动 Hand wheel drive		齿轮传动 Gear drive	电动传动 Electric drive
适用范围 Scope of application	Class150-300 (PN1.6-5.0) 1/2-12" (DN15-300)	Class400-600 (PN6.3-11.0) 1/2-10" (DN15-250)	Class900-2500 (PN15.0-42.0) 1/2-8" (DN15-200)	2-64" (DN50-1800) 1/2-64" (DN15-1800)

注：H 中部焊接、P 自压密封、D 低温

产品性能规范 Product performance specification

压力等级 Pressure class	室温试验压力(MPa) Test pressure at room temperature(MPa)			适用温度 Applicable temperature	适用介质 Applicable medium	
	壳体试验 Shell test	密封试验 Seal test	上密封试验 Upper seal test			
公称压力 Nominal pressure (MPa)	1.0	1.53	1.10	1.10	-196-600°C -320.8-1112°F	水、油、蒸汽、 酸、碱、盐、 汽水、污水 腐蚀性介 低温介质
	1.6	2.43	1.76	1.76		
	2.5	3.75	2.75	2.75		
	4.0	6.00	4.40	4.40		
	6.4	9.6	7.04	7.04		
	10.0	15.00	11.00	11.00		
	16.0	24.00	17.60	17.60		
	25.0	37.50	27.50	27.50		
磅级(Class) Pound (Class)	32.0	48.00	35.20	35.20	Water, oil, steam, acid, alkali, salt water, water corrosion resistance and low temperature medium	
	150	300	220	220		
	300	750	550	550		
	400	945	693	693		
	600	1650	1210	1210		
	900	2100	1540	1540		
	300	22.50	16.50	16.50		
	1500	88.00	58.00	58.00		
2500	65.00	46.20	46.20			





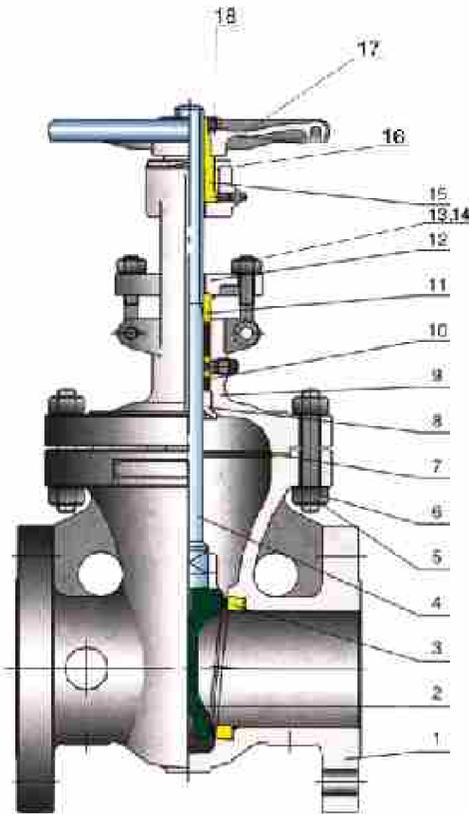
产品采用标准 Technical specification

结构形式 Structural formation	球状阀盖带外架结构 Ball-jointed bonnet outside stem yoke structure
驱动方式 Driving manner	手动、齿轮传动、电动 Hand-operated, Gear-operated and Electric-driving
设计标准 Design standard	GB/T12224 GB/T 12234
结构长度 Face to face	GB/T 12221
连接法兰 Flanged ends	GB/T9113, JB/T73, HG20592
试验和检验 Test&inspection	GB/T 13927, JB/T9057

注：阀门连接法兰及焊接尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	WCB, LCB, LC3, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M, CF10M, 4A, 5A
2	闸板 Gate	WCB, LCB, LC3, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M, CF10M, 4A, 5A
3	阀座 Seat	A105, LF2, 1Cr13, 2Cr13, F6, F11, F22, F304, F316, F347, F304L, F316L, F316H, F51, F53
4	阀杆 Stem	1Cr13, 2Cr13, 25Cr2MoVA, F304, F316, F347, F304L, F316L, F316H, F51, F53
5	阀盖螺栓 Body cover stud	B7, B8, B16, L7, B7M, B6M
6	阀盖螺母 Body cover nut	2H, 7, 8, 4
7	阀盖垫片 Body cover gasket	304或康乃尔合金+石墨 304, 304L, 316, 316L, 321, PTFE
8	背靠垫 Back seat	1Cr13, 2Cr13, 25Cr2MoVA, F304, F316, F347, F304L, F316L, F316H, F51, F53
9	阀盖Bonnet	WCB, LCB, LC3, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M, CF10M, 4A, 5A
10	填料Packing	碳纤维, 夹不锈钢丝或康乃尔合金丝 石墨编织, PTFE
11	填料套筒 Packing sleeve	1Cr13, 2Cr13, 25Cr2MoVA, F304, F316, F347, F304L, F316L, F316H, F51, F53
12	填料压盖 Packing gland	WCB, LCB, C5, CF8, CF8M, CF10M, 4A
13	螺母Nut	2H, 7, 8, 4
14	活节螺栓Live bolt	B7, B8, B16, L7, B7M, B6M
15	阀杆螺母Stem nut	高碳钢, 锰钢, 1Cr13或钛
16	杆螺母盖 Stem nut gland	A105, 1Cr13, 2Cr13, F22, F304
17	手柄Handle wheel	可锻铸铁, 球墨铸铁
18	锁紧螺母Lock nut	A105, 1Cr13, 2Cr13, F22, F304



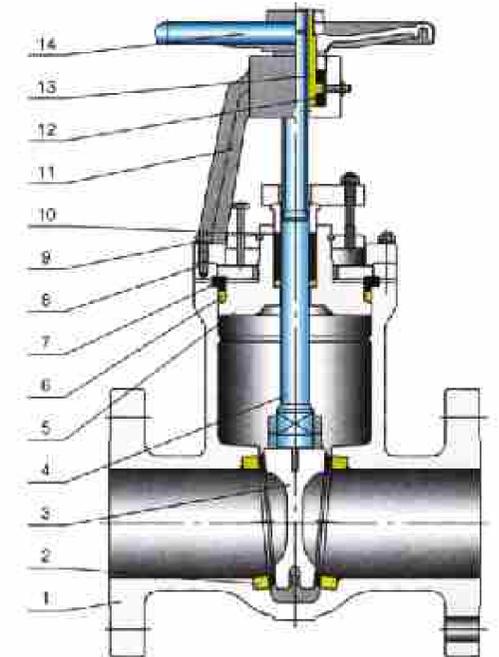
产品采用标准 Technical specification

结构形式 Structural formation	压力密封阀盖带外架结构 Pressure sealed bonnet outside stem yoke structure
驱动方式 Driving manner	手动、齿轮传动、电动 Hand-operated, Gear-operated and Electric-driving
设计标准 Design standard	GB/T 12224 GB/T 12234 TB/T3695
结构长度 Face to face	GB/T 12221
连接法兰 Flanged ends	GB/T9113, JB/T73, HG20592
焊接 Welding	GB/T 12224 TB/T3695
试验和检验 Test&inspection	GB/T 13927, JB/T9057, TB/T3695

注：阀门连接法兰及焊接尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

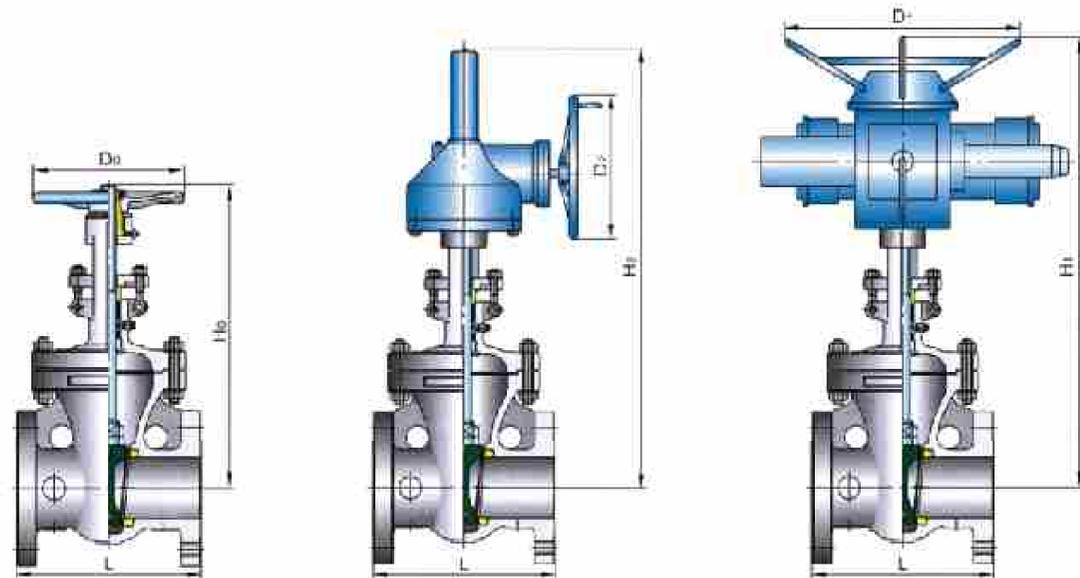
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体Body	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
2	阀座Seat	A105, 304, 1Cr5Mo, 12CrMoV
3	闸板Gate disc	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
4	阀杆Stem	1Cr13, 2Cr13, 0Cr18Ni9Ti, 3Cr12, 0Cr17Ni12Mo2Ti, 20CrMoV, 25Cr2MoVA
5	阀盖Bonnet	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
6	密封圈 Seal ring	柔性石墨Graphite
7	四合环 Tetra-cyclic ring	1Cr13, 2Cr13, 34CrNiMoV, 42CrNiMoV, 36CrNiMoV
8	双头螺栓Stud	35CrMoA, 0Cr18Ni9, 0Cr17Ni12Mo2, 25Cr2MoVA
9	六角螺母 Hexagon nuts	45, 30CrMo, 35CrMoA, 25Cr2MoVA, 0Cr18Ni9, 0Cr17Ni12Mo2
10	填料Packing	柔性石墨, PTFE Graphite, PTFE
11	支架 Yoke	WCB, CF8, CF3, CF8M, CF8C, CF3, CF3M
12	轴承 Bearing	外购件 Purchasing parts
13	阀杆螺母 Valve stem nut	铜合金Copper alloy
14	手柄 Handwheel	KTH300-10, QT400-18





GB铸钢闸阀 GB cast steel gate valve

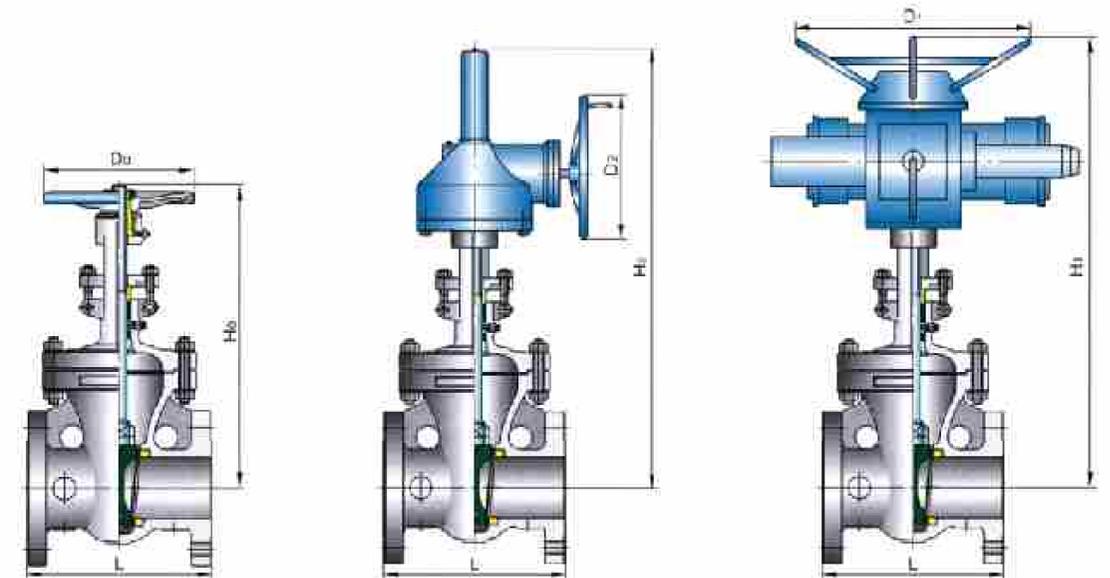


主要外形尺寸及重量 Main size of outside&weight
型号 Model: Z40H, Z40Y, Z540H, Z540Y, Z940H, Z940Y

传动方式 Driving			手动 Hand operated			电动 Electric driving			齿轮传动 Gear operated				
PN (MPa)	DN (mm)	L	H0	D0	重量 Weight (kg)	H1	D1	电动装置 Electric driving	重量 Weight (kg)	H0	D0	齿轮装置 Gear device	重量 Weight (kg)
1.6	15	130	170	120	6	-	-	-	-	-	-	-	-
	20	150	190	140	6.5	-	-	-	-	-	-	-	-
	25	160	205	150	9	-	-	-	-	-	-	-	-
	32	180	270	180	12	-	-	-	-	-	-	-	-
	40	200	310	200	26.5	630	500	DZW10A	87.5	-	-	-	-
	50	250	358	240	20	678	500	DZW10A	90	-	-	-	-
	65	265	373	240	33	693	500	DZW15A	96	-	-	-	-
	80	280	435	250	45	755	500	DZW20A	109	-	-	-	-
	100	300	500	300	62	820	500	DZW20A	126	-	-	-	-
	125	325	614	320	106	934	500	DZW30A	173	-	-	-	-
	150	350	674	300	135	994	500	DZW30A	199	-	-	-	-
	200	400	818	400	183	1138	500	DZW30A	254	-	-	-	-
	250	450	963	450	273	1400	610	DZW45A	310	-	-	-	-
	300	500	1145	500	380	1555	610	DZW60A	391	1210	310	BA-0	504
	350	550	1280	540	500	1755	630	DZW90	729	1438	310	BA-0	674
	400	600	1452	640	550	1902	630	DZW120	992	1730	460	BA-1	950
	450	650	1541	720	610	2111	670	DZW180	1163	1630	460	BA-1	1300
	500	700	1676	720	630	2276	670	DZW250	1222	2110	460	BA-2	1530
	600	800	1874	800	1115	2474	670	DZW250	1378	2410	460	BA-2	2140
	700	900	-	-	-	3045	1170	DZW350	-	2630	460	BA-2	3270
800	1000	-	-	-	3250	1170	DZW600	-	2630	610	BAA-3	3920	
900	1100	-	-	-	3539	1060	DZW600	-	3170	610	BAA-3	4435	
1000	1200	-	-	-	3873	1060	DZW1000	-	-	-	-	-	



GB铸钢闸阀 GB cast steel gate valve

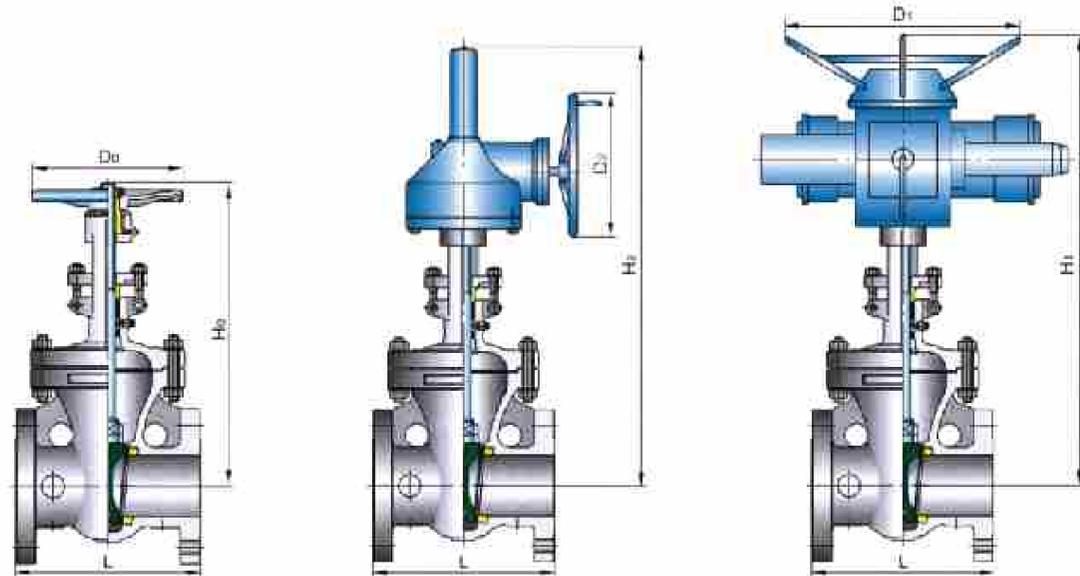


主要外形尺寸及重量 Main size of outside&weight
型号 Model: Z40H, Z40Y, Z540H, Z540Y, Z940H, Z940Y

传动方式 Driving			手动 Hand operated			电动 Electric driving			齿轮传动 Gear operated				
PN (MPa)	DN (mm)	L	H0	D0	重量 Weight (kg)	H1	D1	电动装置 Electric driving	重量 Weight (kg)	H0	D0	齿轮装置 Gear device	重量 Weight (kg)
2.5	15	130	170	120	6.5	-	-	-	-	-	-	-	-
	20	150	190	140	7	-	-	-	-	-	-	-	-
	25	160	205	150	11	-	-	-	-	-	-	-	-
	32	180	270	180	14	-	-	-	-	-	-	-	-
	40	200	310	200	20	630	500	DZW10A	91	-	-	-	-
	50	250	358	240	34	678	500	DZW10A	95	-	-	-	-
	65	265	373	240	38	693	500	DZW15A	99	-	-	-	-
	80	280	435	250	50	755	500	DZW20A	113	-	-	-	-
	100	300	500	300	60	820	500	DZW20A	132	-	-	-	-
	125	325	614	320	116	934	500	DZW30A	181	-	-	-	-
	150	350	674	300	141	994	500	DZW30A	206	-	-	-	-
	200	400	818	400	192	1138	500	DZW30A	257	-	-	-	-
	250	450	963	450	267	1400	610	DZW45A	317	-	-	-	-
	300	500	1145	500	400	1539	610	DZW60A	412	1210	310	BA-0	504
	350	550	1280	540	531	1755	630	DZW90	750	1468	310	BA-0	674
	400	600	1452	640	600	1902	630	DZW120	1042	1730	460	BA-1	950
	450	650	1541	720	1013	2111	670	DZW180	1274	1580	460	BA-1	1300
	500	700	1676	720	1136	2276	670	DZW250	1470	2110	460	BA-2	1530
	600	800	1874	800	1258	2474	670	DZW250	1522	2410	460	BA-2	2140
	700	900	-	-	-	3045	1170	DZW350	-	2630	460	BA-2	3270
800	1000	-	-	-	3250	1170	DZW600	-	2630	610	BAA-3	3920	
900	1100	-	-	-	3539	1060	DZW600	-	3170	610	BAA-3	4435	
1000	1200	-	-	-	3873	1060	DZW1000	-	-	-	-	-	



GB铸钢闸阀 GB cast steel gate valve

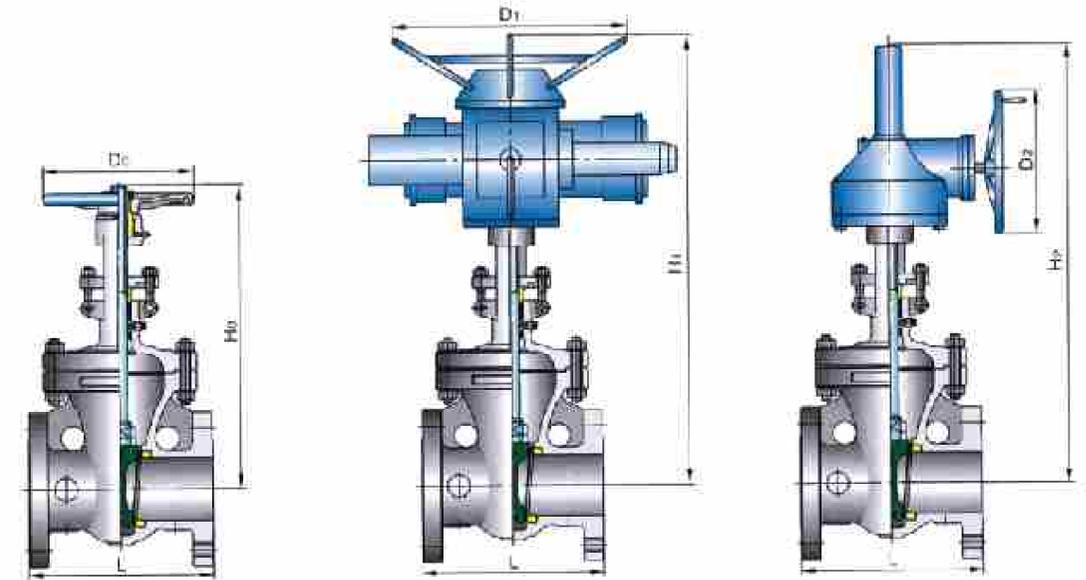


主要外形尺寸及重量 Main size of outside&weight
型号 Model: Z40H, Z40Y, Z540H, Z540Y, Z940H, Z940Y

PN (MPa)	DN (mm)	传动方式 Driving		重量 Weight (kg)	电动 Electric driving		重量 Weight (kg)	齿轮传动 Gear operated		重量 Weight (kg)			
		手动 Hand operated	电动 Electric driving		重量 Weight (kg)	占位装置 Gear device		重量 Weight (kg)					
4.0	15	130	135	120	6	-	-	-	-	-			
	20	150	150	140	8	-	-	-	-	-			
	25	160	205	180	12	-	-	-	-	-			
	32	180	270	190	15	-	-	-	-	-			
	40	200	310	200	31	530	590	DZW10A	95	-	-		
	50	250	371	290	34	570	590	DZW10A	65	-	-		
	55	280	391	290	39	712	530	DZW15A	102	-	-		
	60	310	455	320	52	775	590	DZW20A	115	-	-		
	100	350	551	330	80	875	590	DZW20A	183	-	-		
	125	400	625	470	127	1030	590	DZW20A	190	-	-		
	150	450	703	470	152	1030	590	DZW30A	219	-	-		
	200	550	855	490	263	1225	590	DZW45A	373	-	-		
	250	650	905	550	368	1400	510	DZW30A	480	-	-		
	300	750	1207	640	517	1625	530	DZW90	596	1520	460	BA-1	530
	350	850	1341	640	579	1795	530	DZW120	591	1550	460	BA-1	555
	400	950	1492	720	853	2093	570	DZW130	1214	2170	480	BA-1	1430
	500	1150	-	-	-	2645	570	DZW250	2150	2450	610	BA-2	2040
	600	1350	-	-	-	2865	1170	DZW350	-	2540	610	BA-2	3050
700	1450	-	-	-	3450	1170	DZW500	-	-	-	-	-	
900	1550	-	-	-	3850	1060	DZW600	-	-	-	-	-	



GB铸钢闸阀 GB cast steel gate valve

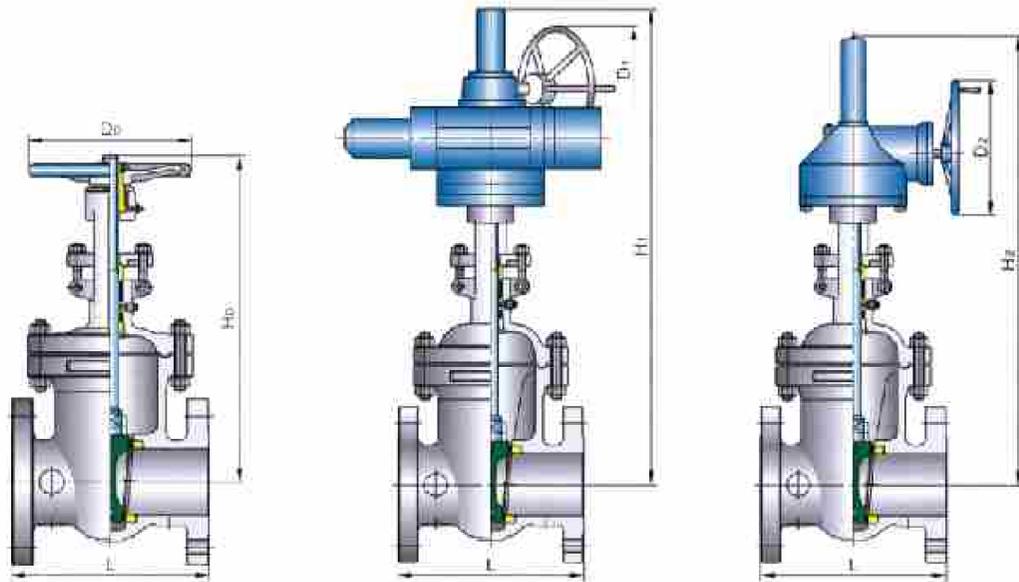


主要外形尺寸及重量 Main size of outside&weight
型号 Model: Z40H, Z40Y, Z540H, Z540Y, Z940H, Z940Y

PN (MPa)	DN (mm)	传动方式 Driving		重量 Weight (kg)	电动 Electric driving		重量 Weight (kg)	齿轮传动 Gear operated		重量 Weight (kg)			
		手动 Hand operated	电动 Electric driving		重量 Weight (kg)	占位装置 Gear device		重量 Weight (kg)					
6.4	15	170	140	100	7	-	-	-	-	-			
	20	190	140	100	9	-	-	-	-	-			
	25	210	215	190	12	-	-	-	-	-			
	32	230	270	190	18	-	-	-	-	-			
	40	240	345	200	27	365	590	DZW10A	98	-	-		
	50	250	470	200	39	790	590	DZW15A	102	-	-		
	65	280	520	250	43	840	590	DZW20A	106	-	-		
	80	310	570	300	60	890	590	DZW20A	128	-	-		
	100	350	700	300	60	1020	590	DZW30A	154	-	-		
	125	400	750	350	140	1130	590	DZW30A	205	-	-		
	150	450	850	350	207	1290	590	DZW45A	317	-	-		
	200	550	1035	400	325	1475	610	DZW30A	437	1420	310	BA-0	430
	250	650	1050	500	467	1500	630	DZW90	506	1550	460	BA-1	530
	300	750	1470	640	590	1820	630	DZW120	732	1770	480	BA-1	590
	350	850	-	-	-	2218	670	DZW160	1110	2080	480	BA-1	640
	400	950	-	-	-	2835	670	DZW250	1540	2270	460	BA-1	1410
	500	1150	-	-	-	3920	1170	DZW350	-	-	-	-	-
	600	1350	-	-	-	3854	1170	DZW500	-	-	-	-	-



GB铸钢闸阀 GB cast steel gate valve

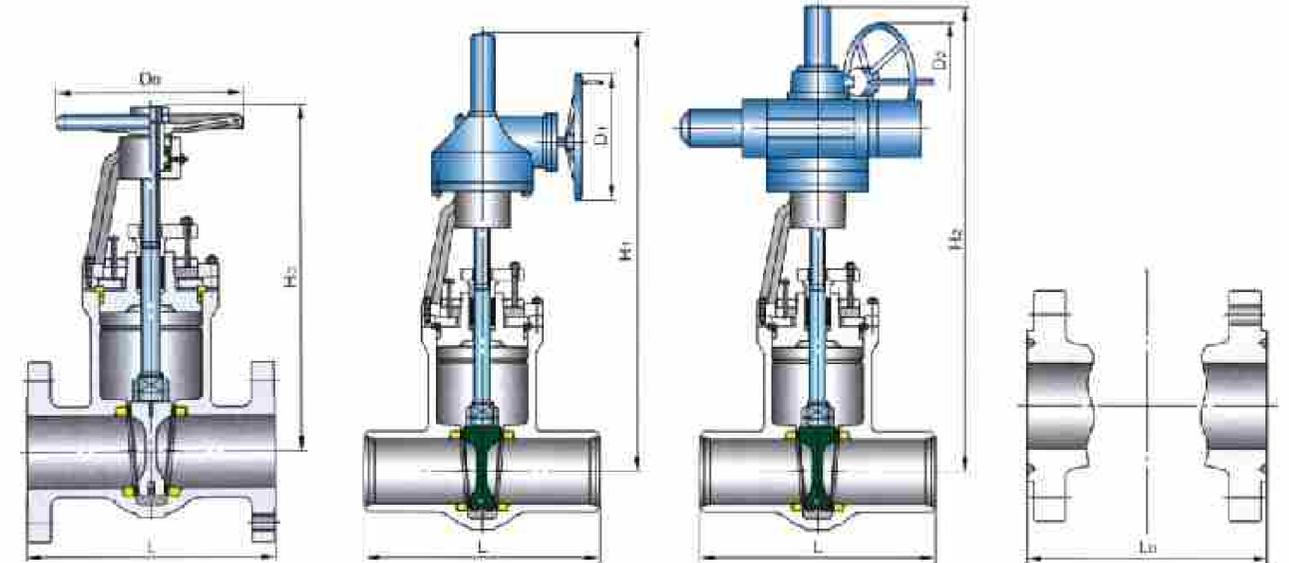


主要外形尺寸及重量 Main size of outside&weight
型号 Model: Z40H, Z40Y, Z540H, Z540Y, Z940H, Z940Y

传动方式Driving			手动Hand operated			电动Electric driving			齿轮传动Gear operated				
PN (MPa)	DN (mm)	L	H0	D0	重量 Weight (kg)	H1	D1	电动装置 Electric driving	重量 Weight (kg)	H0	D0	齿轮装置 Gear device	重量 Weight (kg)
10.0	40	240	560	320	50	660	590	DZW15A	118	-	-	-	-
	50	250	430	360	50	610	590	DZW20A	123	-	-	-	-
	65	250	540	400	70	660	590	DZW20A	133	-	-	-	-
	80	310	572	400	100	696	590	DZW30A	165	-	-	-	-
	100	350	573	400	110	1013	590	DZW45A	220	-	-	-	-
	125	420	744	560	180	1184	610	DZW60A	292	-	-	-	-
	160	450	830	560	260	1260	630	DZW90	339	-	-	-	-
	200	550	600	560	360	1250	630	DZW120	502	1490	310	BA-0	730
	250	650	1060	500	420	1550	670	DZW160	730	1720	450	BA-1	900
	300	750	1260	540	520	1500	670	DZW250	910	1890	460	BA-1	1200
	360	850	-	-	-	2130	1170	DZW350	1610	2180	610	BA-2	1700
	400	950	-	-	-	2250	1170	DZW500	2612	2390	610	BA-2	2600
	500	1150	-	-	-	2550	1060	DZW600	3200	-	-	-	-



GB铸钢闸阀 GB cast steel gate valve



主要外形尺寸及重量 Main size of outside&weight
型号 Model: (Pa)Z40H, (Pa)Z40Y, (Pa)Z540H, (Pa)Z540Y, (Pa)Z940H, (Pa)Z940Y

传动方式Driving			手动Hand operated			电动Electric driving			齿轮传动Gear operated					
PN (MPa)	DN (mm)	L	H0	D0	重量 Weight (kg)	H1	D0	电动装置 Electric driving	重量 Weight (kg)	H0	D0	齿轮装置 Gear device	重量 Weight (kg)	
10.0	40	260	596	320	26	670	590	DZW15A	118	-	-	-	-	
	50	300	612	360	73	632	590	DZW20A	136	-	-	-	-	
	65	340	677	360	110	680	590	DZW30A	175	-	-	-	-	
	80	360	696	400	141	606	590	DZW30A	206	-	-	-	-	
	100	450	751	450	185	1071	590	DZW45A	295	-	-	-	-	
	125	525	688	560	320	1163	610	DZW60A	432	-	-	-	-	
	150	600	997	540	462	1170	630	DZW90	601	1250	480	BA-1	492	
	200	750	1224	720	711	1440	630	DZW120	853	1520	480	BA-1	700	
	250	850	-	-	-	1730	670	DZW160	1300	1540	610	BA-2	1140	
	300	960	-	-	-	2230	670	DZW250	1760	1620	610	BA-3	1720	
	25.0	50	360	650	360	59	613	590	DZW30A	129	-	-	-	-
		65	410	410	400	90	656	590	DZW30A	151	-	-	-	-
		80	470	470	400	135	1016	590	DZW15A	233	-	-	-	-
		100	550	550	560	246	1030	610	DZW60A	348	-	-	-	-
125		650	650	560	400	1160	630	DZW90	610	-	-	-	-	
160		750	750	640	700	1240	630	DZW120	840	-	-	-	-	
200		822	632	720	1075	1520	670	DZW160	1225	-	-	-	-	
250		960	690	800	1660	1660	670	DZW250	2130	-	-	-	-	



API铸钢闸阀 API cast steel gate valve

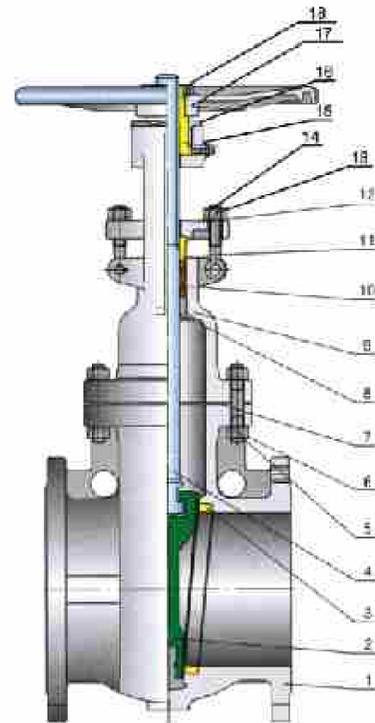
产品采用标准 Technical specification

结构形式 Structural formation	球接面密封外架结构 Ball-jointed bonnet outside stem yoke structure
驱动方式 Driving manner	手动、齿轮、电动 Hand-operated, Gear-operated and Electric-driving
设计标准 Design standard	API600, BS114
面架连接 Face to face	ASME B16.10
连接法兰 Flange ends	ASME B16.5
试验和检验 Test & inspection	API600, BS12569

注：阀门连接法兰及对接端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
2	闸板 Gate	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
3	阀座 Seat	ASTM A105, ASTM A950-LT2 ASTM A182-1Cr13, 2Cr13, F5, F11, F22, F304, F316, F347, F304L, F316L, F316H, F51, F53
4	阀杆 Stem	ASTM A182-1Cr13, 2Cr13, F304, F316, F347, F304L, F316L, F316H, F51, F53
5	体盖螺栓 Body cover stud	ASTM A193-B7, B7M, B7N, B8, ASTM A320-L7, B8M
6	体盖螺母 Body cover nut	ASTM A194-2H, 7, 8, 4
7	体盖垫片 Body cover gasket	304或美乃尔合金-石墨 304, 304L, 316, 316L, 321+PTFE
8	上密封套 Jack seat	ASTM A182-1Cr13, 2Cr13, F304, F316, F347, F304L, F316L, F316H, F51, F53
9	阀盖 Bonnet	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
10	填料 Packing	石墨纤维, 聚四氟乙烯或美乃尔合金石墨纤维
11	填料压套 Packing sleeve	ASTM A182-1Cr13, 2Cr13, F304, F316, F347, F304L, F316L, F316H, F51, F53
12	填料压盖 Packing gland	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A
13	螺母 Nut	ASTM A194-2H, 7, 8, 4
14	活节螺栓 Live bolt	ASTM A193-B7, B7M, B7N, B8, ASTM A320-L7, B8M
15	阀杆螺母 Stem nut	高碳钢、合金钢、F53或钛
16	杆螺母垫片 Stem nut gland	ASTM A105, ASTM A182-1Cr13, 2Cr13, F304
17	手轮 Hand wheel	可锻铸铁、球墨铸铁
18	驱动螺母 Lock nut	ASTM A105, ASTM A182-1Cr13, 2Cr13, F304



API 自紧密封(PS)闸盖铸钢闸阀 API pressure sealing (ps) cast steel gate valve

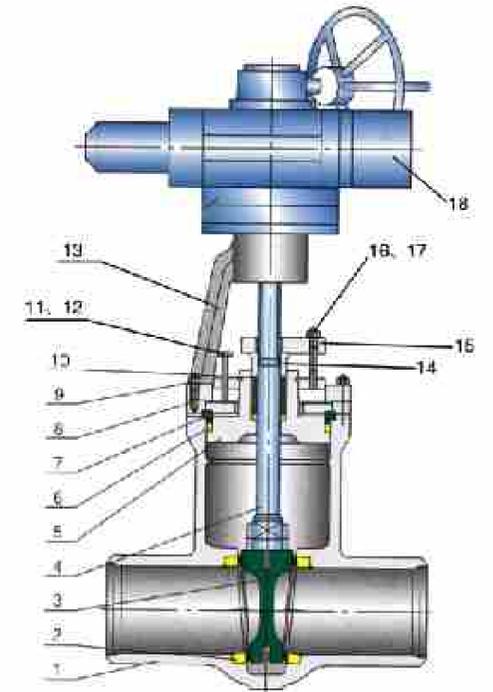
产品采用标准 Technical specification

结构形式 Structural formation	球接面密封外架结构 Ball-jointed bonnet outside stem yoke structure
驱动方式 Driving manner	手动、齿轮、电动 Hand-operated, Gear-operated and Electric-driving
设计标准 Design standard	API600, BS101
面架连接 Face to face	ASME B16.10
连接法兰 Flange ends	ASME B16.5
焊接 Welding	ASME B16.26
试验和检验 Test & inspection	API600, BS101

注：阀门连接法兰及对接端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

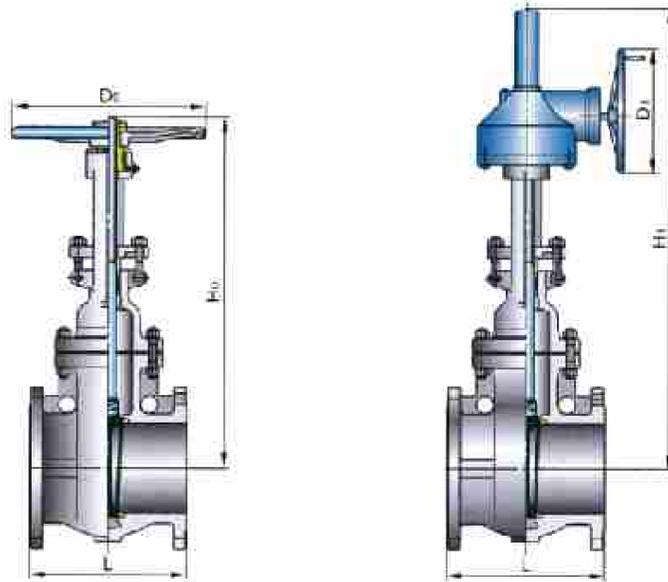
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
2	闸板 Seat	ASTM A105, ASTM A950-LT2, ASTM A182-1Cr13, 2Cr13, F5, F11, F22, F304, F316, F347, F304L, F316L, F316H, F51, F53
3	闸板 Gate	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
4	阀杆 Stem	ASTM A182-1Cr13, 2Cr13, F304, F316, F347, F304L, F316L, F316H, F51, F53
5	阀盖 Bonnet	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
6	密封副 Sealing ring	石墨, ASTM A182-F316, F317, F304L, F316H, F51, F53
7	手轮 Hand wheel	ASTM A182-F6a, F304, F316, F347, F316H, F53
8	支撑螺栓 Support stud	ASTM A193-B7, B7M, B7N, B8, ASTM A320-L7, B8M
9	支撑螺母 Support nut	ASTM A194-2H, 7, 8, 4
10	填料 Packing	石墨纤维, PTFE或美乃尔合金石墨纤维
11	体盖螺栓 Body cover stud	ASTM A193-B7, B7M, B7N, B8, ASTM A320-L7, B8M
12	体盖螺母 Body cover nut	ASTM A194-2H, 7, 8, 4
13	支架 Bracket	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A, ASTM A890-5A
14	填料套筒 Packing sleeve	ASTM A182-1Cr13, 2Cr13, F304, F316, F347, F304L, F316L, F316H, F51, F53
15	填料压盖 Packing gland	ASTM A216-WCB, ASTM A217-WC1, WC6, WC9, C5, ASTM A352-LCB, LC3, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M, ASTM A395-4A
16	填料压盖螺母 Packing gland nut	ASTM A194-2H, 7, 8, 4
17	填料压盖螺栓 Packing gland bolt	ASTM A193-B7, B7M, B7N, B8, ASTM A320-L7, B8M
18	驱动装置 Driving device	手轮、齿轮、电动





栓接阀盖铸钢闸阀 Bolted bonnet cast steel gate valve



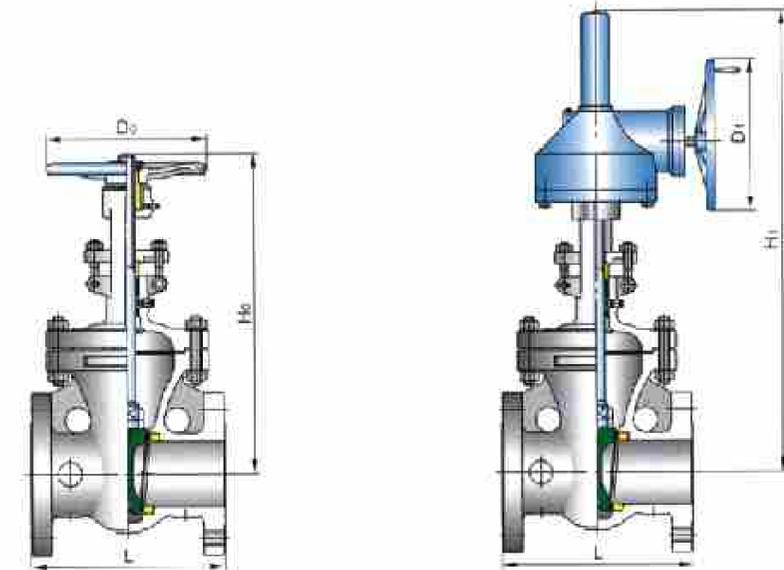
主要外形尺寸及重量 Main size of outside & weight

型号 Model: 740H, 740Y, 7540H, 7540Y, 7940H, 7940Y

Class	传动方式 Driving		手动 Hand operated			齿轮传动 Gear operated			
	NPS (in)	L	Hb	Dc	重量 Weight (kg)	H1	D1	齿轮装置 Gear device	重量 Weight (kg)
150	2	178	360	200	22	-	-	-	-
	2 1/2	190	410	200	31	-	-	-	-
	3	203	440	250	45	-	-	-	-
	4	228	500	250	61	-	-	-	-
	5	254	590	300	69	-	-	-	-
	6	287	660	300	121	-	-	-	-
	8	292	775	350	134	-	-	-	-
	10	320	925	450	280	-	-	-	-
	12	356	1100	500	321	-	-	-	-
	14	391	1295	600	450	1651	310	BA-0	455
	16	426	1435	600	605	1879	460	BA-1	645
	18	432	1625	650	810	2184	450	BA-1	850
	20	457	1820	650	890	2431	510	BA-2	950
	24	538	2175	700	1430	2873	510	BA-2	1460
	26	550	2235	750	1750	3096	510	BA-2	1830
	28	610	2510	750	2010	3327	510	BA-2	2080
	30	610	2695	800	2238	3626	510	BAA-3	2565
	32	630	-	-	-	3738	510	BAA-3	3100
36	711	-	-	-	3924	510	BAA-3	3950	
40	812	-	-	-	4318	510	BAA-3	4650	
42	812	-	-	-	4540	510	BAA-3	5100	
48	1055	-	-	-	5151	510	BAA-3	6500	



栓接阀盖铸钢闸阀 Bolted bonnet cast steel gate valve



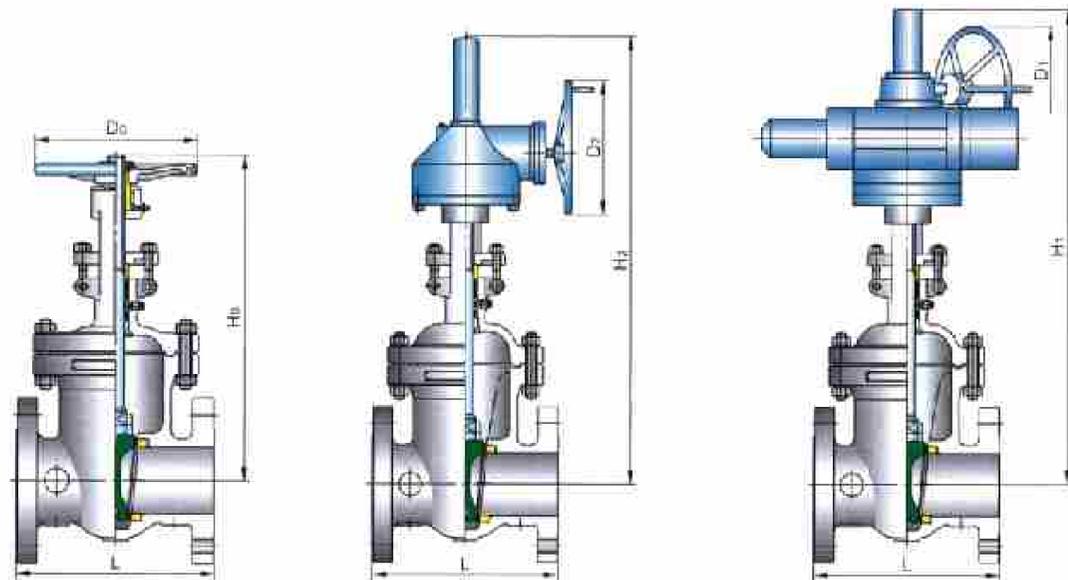
主要外形尺寸及重量 Main size of outside & weight

型号 Model: 740H, 740Y, 7540H, 7540Y, 7940H, 7940Y

Class	传动方式 Driving		手动 Hand operated			齿轮传动 Gear operated			
	NPS (in)	L	Hb	Dc	重量 Weight (kg)	H1	D1	齿轮装置 Gear device	重量 Weight (kg)
300	2	215	390	200	24	-	-	-	-
	2 1/2	241	410	250	34	-	-	-	-
	3	283	450	250	49	-	-	-	-
	4	305	530	300	70	-	-	-	-
	5	351	700	300	115	-	-	-	-
	6	403	730	350	133	-	-	-	-
	8	419	820	450	231	-	-	-	-
	10	457	1010	500	329	-	-	-	-
	12	507	1130	550	530	-	-	-	-
	14	552	1480	600	730	1700	430	BA-1	850
	16	638	1580	650	930	1968	450	BA-1	1105
	18	694	2017	700	1250	2773	610	BA-2	1300
	20	901	2226	700	1520	2482	610	BA-2	1525
	24	1143	2650	750	2340	3064	610	BA-2	2300
	28	1245	-	-	-	3210	610	BA-2	2700
	28	1346	-	-	-	3375	610	BAA-3	3300
	30	1397	-	-	-	3530	610	BAA-3	4200
	32	1521	-	-	-	3695	610	BAA-3	4950
	36	1777	-	-	-	3967	610	BAA-3	5300
	40	1955	-	-	-	4445	610	BAA-3	6100
	42	2032	-	-	-	4585	610	BAA-3	6750
48	2906	-	-	-	5435	610	BAA-3	8050	



栓接阀盖铸钢闸阀 Bolted bonnet cast steel gate valve



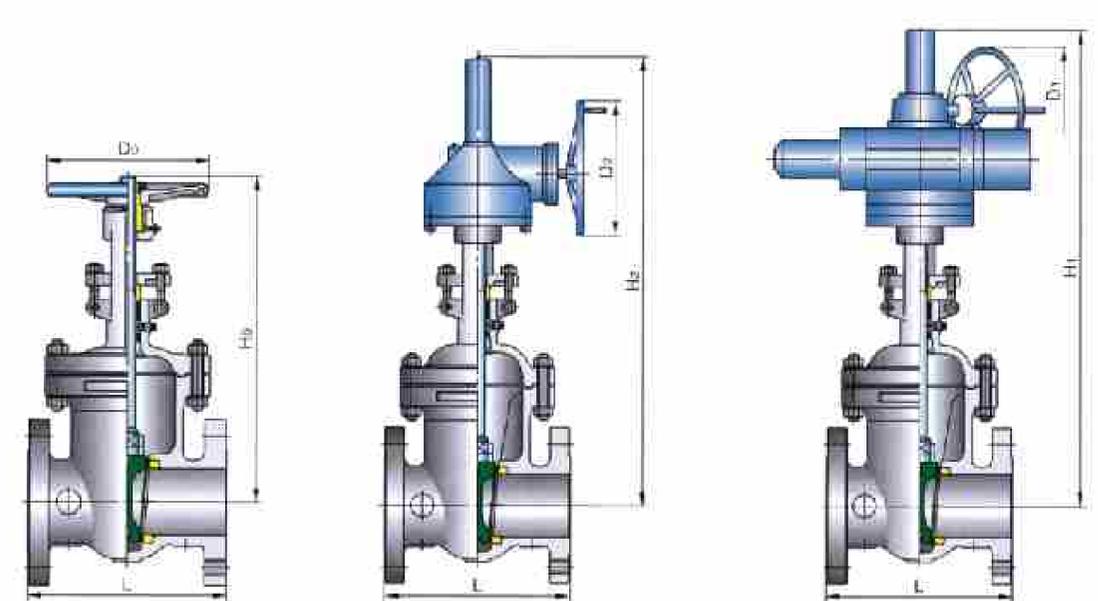
主要外形尺寸及重量 Main size of outside & weight

型号 Model: 740H, 740Y, 7540H, 7540Y, 7940H, 7940Y

Class	传动方式 Driving		手动 Hand operated		齿轮装置 Gear operated				电动 Electric driving				
	NPS (in)	L	Hb	D0	重量 Weight (kg)	H1	D1	齿轮装置 Gear device	重量 Weight (kg)	H2	D2	电动装置 Electric driving	重量 Weight (kg)
600	2	292	425	250	42	-	-	-	-	550	590	DZW20A	112
	2 1/2	370	495	300	57	-	-	-	-	600	590	DZW20A	135
	3	350	510	300	85	-	-	-	-	600	590	DZW30A	197
	4	432	610	400	120	-	-	-	-	780	590	DZW45A	223
	5	508	730	450	170	-	-	-	-	850	610	DZW50A	296
	6	558	820	500	230	340	310	BA-0	255	990	830	DZW90	385
	8	650	920	500	390	430	310	BA-0	418	1130	830	DZW120	541
	10	757	1080	500	620	1105	460	BA-1	671	1360	870	DZW180	916
	12	838	1220	550	880	1270	460	BA-1	935	1520	870	DZW250	1090
	14	899	1475	700	1350	1380	510	BA-2	1440	1790	1170	DZW250	1650
	16	991	1651	800	1700	1455	510	BA-2	1790	1940	1170	DZW500	1950
	18	1092	1727	900	2140	1915	510	BA-2	2530	2370	1260	DZW500	2300
	20	1194	2010	900	2450	2395	510	BA-3	2540	2800	1060	DZW500	2550
	24	1397	-	-	-	2155	510	BA-3	4550	3160	1060	DZW1000	4550
	26	1445	-	-	-	2271	510	BA-3	5280	-	-	-	-
	28	1540	-	-	-	2436	510	BA-3	6550	-	-	-	-
	30	1651	-	-	-	2577	510	BA-3	6700	-	-	-	-
	22	1776	-	-	-	2751	510	BA-3	8012	-	-	-	-
26	2083	-	-	-	3113	510	BA-3	10125	-	-	-	-	
40	2149	-	-	-	3241	510	BA-3	14300	-	-	-	-	
42	2260	-	-	-	3572	510	BA-3	16460	-	-	-	-	
48	2667	-	-	-	4251	510	BA-3	22900	-	-	-	-	



栓接阀盖铸钢闸阀 Bolted bonnet cast steel gate valve



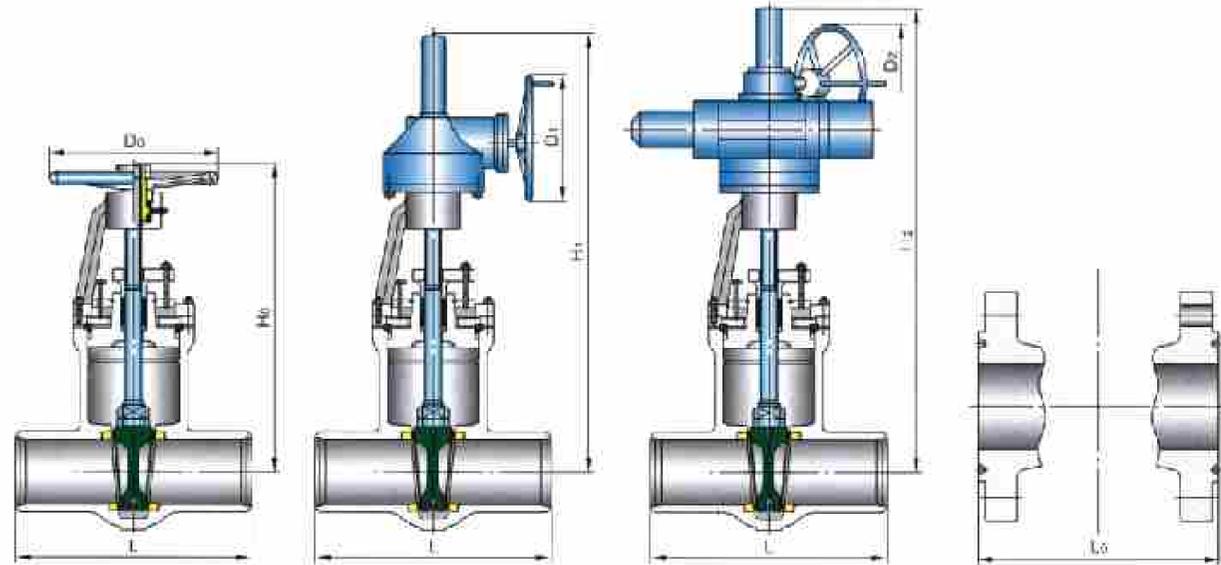
主要外形尺寸及重量 Main size of outside & weight

型号 Model: 740H, 740Y, 7540H, 7540Y, 7940H, 7940Y

Class	传动方式 Driving		手动 Hand operated		齿轮装置 Gear operated				电动 Electric driving				
	NPS (in)	L	Hb	D0	重量 Weight (kg)	H1	D1	齿轮装置 Gear device	重量 Weight (kg)	H2	D2	电动装置 Electric driving	重量 Weight (kg)
900	2	372	540	300	65	-	-	-	-	552	590	DZW20A	145
	2 1/2	422	555	350	83	-	-	-	-	580	590	DZW30A	200
	3	384	625	350	115	-	-	-	-	510	590	DZW30A	300
	4	460	750	400	195	-	-	-	-	1020	590	DZW45A	525
	6	615	860	500	410	895	400	BA-1	140	1050	630	DZW90	570
	8	740	950	500	720	1070	430	BA-1	720	1150	630	DZW120	685
	10	841	1090	550	1020	1290	510	BA-2	1140	1320	670	DZW180	1300
	12	966	1245	700	1625	1540	510	BA-2	1720	1550	670	DZW250	1870
	14	1038	-	-	-	1620	510	BA-3	2400	1850	1170	DZW350	2370
	16	1140	-	-	-	1750	510	BA-3	3040	1750	1170	DZW500	3010
1500	3	475	-	-	-	-	-	-	-	960	590	DZW45A	335
	4	548	-	-	-	-	-	-	-	1040	610	DZW60A	445
	6	711	-	-	-	1250	450	BA-1	640	1250	630	DZW120	795
	8	841	-	-	-	1600	450	BA-1	590	1530	670	DZW180	1140
	10	1000	-	-	-	-	-	-	-	1850	670	DZW250	1700
	12	1146	-	-	-	-	-	-	-	2150	1170	DZW350	2810
	14	1276	-	-	-	-	-	-	-	2350	1170	DZW500	4190
	16	1407	-	-	-	-	-	-	-	2550	1060	DZW800	4970



API 自紧密封(PS)闸盖铸钢闸阀 API pressure sealing (ps) cast steel gate valve



主要外形尺寸及重量 Main size of outside & weight

型号 Model: Ps710H, Ps710Y, Ps7510H, Ps7510Y, Ps7910H, Ps7910Y 法兰连接 Flanged ends(RT.)

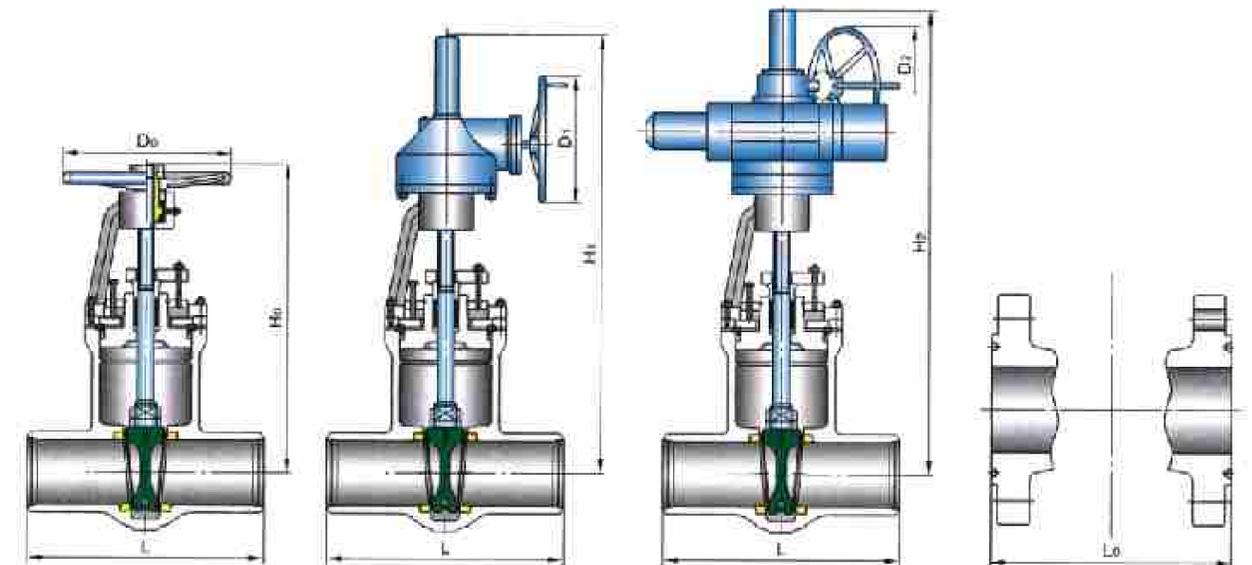
Class	传动方式 Driving			手动 Hand operated			齿轮式 Gear operated			电动 Electric driving				
	NPS (in)	L	H ₀	H ₁	D ₀	重量 Weight (kg)	H ₂	D ₂	齿轮装置 Gear device	重量 Weight (kg)	H ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
900	2	371	550	250	58	-	-	-	-	-	855	590	DZV20A	130
	3	384	636	360	106	-	-	-	-	-	975	590	DZV30A	142
	4	450	750	400	140	-	-	-	-	-	1200	590	DZV45A	204
	6	613	840	500	200	395	460	BA-1	350	1280	830	DZV60	356	
	8	740	-	-	-	1370	460	BA-1	530	1372	830	DZV120	530	
	10	841	-	-	-	1495	510	BA-2	950	1495	870	DZV180	950	
	12	958	-	-	-	1530	510	BA-2	1400	1830	870	DZV250	1400	
	14	1036	-	-	-	2145	510	BA-2	2050	2144	1170	DZV350	1820	
	16	1140	-	-	-	2405	510	BAA-2	2700	2405	1170	DZV500	3020	
	20	1334	-	-	-	2750	510	BAA-2	7400	2900	1080	DZV500	3800	

型号 Model: Ps261H, Ps261Y, Ps263H, Ps263Y, Ps293H, Ps293Y 对焊连接 But welding ends

Class	传动方式 Driving			手动 Hand operated			齿轮式 Gear operated			电动 Electric driving				
	NPS (in)	L	H ₀	H ₁	D ₀	重量 Weight (kg)	H ₂	D ₂	齿轮装置 Gear device	重量 Weight (kg)	H ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
900	2	368	550	250	58	-	-	-	-	-	855	590	DZV20A	120
	3	381	636	360	95	-	-	-	-	-	975	590	DZV30A	135
	4	457	750	400	105	-	-	-	-	-	1200	590	DZV45A	202
	6	610	840	500	200	395	460	BA-1	280	1280	830	DZV60	293	
	8	757	-	-	-	1370	460	BA-1	460	1372	830	DZV120	472	
	10	858	-	-	-	1495	510	BA-2	820	1495	870	DZV180	844	
	12	955	-	-	-	1530	510	BA-2	1150	1830	870	DZV250	1154	
	14	1025	-	-	-	2145	510	BA-2	1600	2144	1170	DZV350	1579	
	16	1150	-	-	-	2405	510	BAA-2	2100	2405	1170	DZV500	2155	
	20	1321	-	-	-	2750	510	BAA-2	3400	2900	1080	DZV500	3455	



API 自紧密封(PS)闸盖铸钢闸阀 API pressure sealing (ps) cast steel gate valve



主要外形尺寸及重量 Main size of outside & weight

型号 Model: Ps710H, Ps710Y, Ps7510H, Ps7510Y, Ps7910H, Ps7910Y 法兰连接 Flanged ends(RT.)

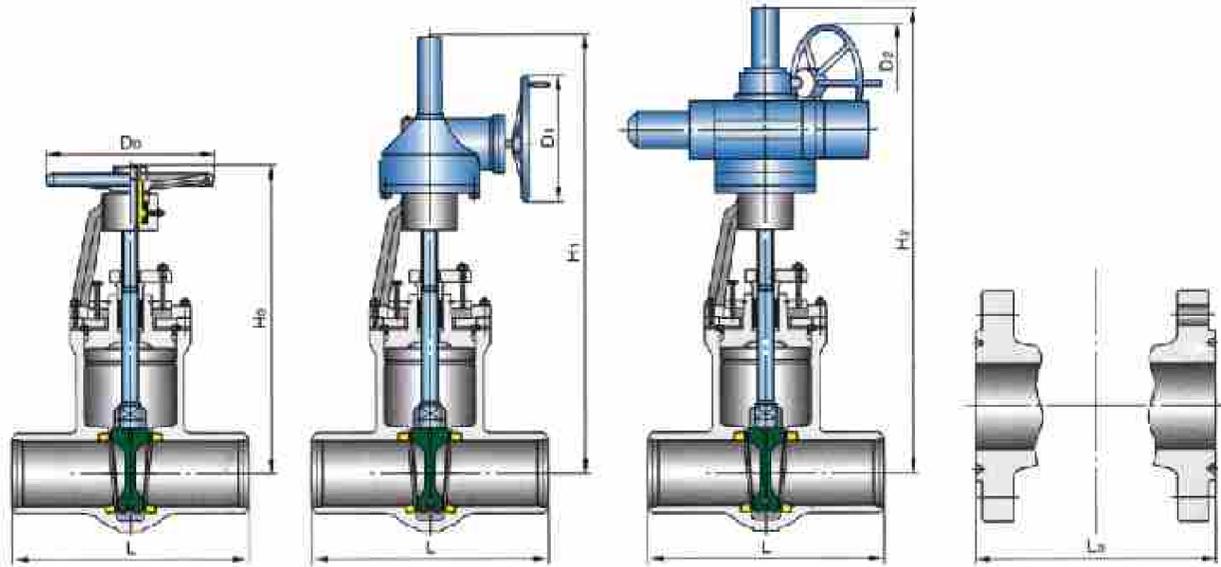
Class	传动方式 Driving			手动 Hand operated			齿轮式 Gear operated			电动 Electric driving				
	NPS (in)	L	H ₀	H ₁	D ₀	重量 Weight (kg)	H ₂	D ₂	齿轮装置 Gear device	重量 Weight (kg)	H ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
1500	2	371	530	300	90	-	-	-	-	-	715	590	DZV30A	-
	3	473	711	350	190	-	-	-	-	-	735	590	DZV45A	210
	4	543	774	450	200	-	-	-	-	-	831	510	DZV60A	290
	6	711	-	-	-	1170	510	BA-2	544	1054	830	DZV120	550	
	8	841	-	-	-	1370	510	BA-2	825	1472	870	DZV180	950	
	10	1000	-	-	-	1655	510	BA-2	1375	1714	870	DZV250	1473	
	12	1146	-	-	-	1610	510	BA-2	2085	1905	1170	DZV350	2220	
	14	1276	-	-	-	1981	510	BAA-2	2940	1990	1170	DZV500	2973	
	16	1407	-	-	-	2108	510	BAA-2	3700	2210	1080	DZV500	3903	
	20	1686	-	-	-	2367	510	BAA-2	5130	2432	1080	DZV1000	5250	

型号 Model: Ps261H, Ps261Y, Ps263H, Ps263Y, Ps293H, Ps293Y 对焊连接 But welding ends

Class	传动方式 Driving			手动 Hand operated			齿轮式 Gear operated			电动 Electric driving				
	NPS (in)	L	H ₀	H ₁	D ₀	重量 Weight (kg)	H ₂	D ₂	齿轮装置 Gear device	重量 Weight (kg)	H ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
1500	2	368	550	250	89	-	-	-	-	-	715	590	DZV30A	-
	3	473	620	350	110	-	-	-	-	-	735	590	DZV45A	185
	4	543	750	400	180	-	-	-	-	-	831	510	DZV60A	268
	6	705	-	-	-	1170	510	BA-2	370	1054	830	DZV120	472	
	8	837	-	-	-	1370	510	BA-2	610	1472	870	DZV180	754	
	10	997	-	-	-	1655	510	BA-2	1300	1714	870	DZV250	1411	
	12	1130	-	-	-	1610	510	BA-2	2000	1905	1170	DZV350	2123	
	14	1257	-	-	-	1981	510	BAA-2	2800	1990	1170	DZV500	2912	
	16	1387	-	-	-	2108	510	BAA-2	3490	2210	1080	DZV500	3515	
	20	1684	-	-	-	2367	510	BAA-2	4800	2432	1080	DZV1000	4922	



API 自紧密封(PS)闸盖铸钢闸阀 API pressure sealing (ps) cast steel gate valve



主要外形尺寸及重量 Main size of outside & weight

型号 Model: Ps240H, Ps240Y, Ps2640H, Ps2640Y, Ps2940H, Ps2940Y 法兰连接 Flanged ends (RTJ)

传动方式 Driving		手动 Hand operated			齿轮传动 Gear operated			电动 Electric driving					
Class	NPS (in)	L	H ₁	D ₁	重量 Weight (kg)	H	D ₂	齿轮装置 Gear device	重量 Weight (kg)	L ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
2500	2	454	570	450	185	-	-	-	-	-	-	-	-
	3	554	596	500	215	-	-	-	-	654	830	DZW90	315
	4	653	598	600	235	-	-	-	-	781	830	DZW120	445
	6	927	-	-	-	876	610	2AA-2	890	977	870	DZW180	570
	8	1056	-	-	-	1430	610	3AA-2	1420	1520	870	DZW250	1520
	10	1262	-	-	-	1630	610	2AA-2	2530	1645	1170	DZW350	2630
12	1445	-	-	-	1752	610	3AA-2	3740	1802	1170	DZW500	3823	

型号 Model: Ps260H, Ps260Y, Ps2600H, Ps2600Y, Ps2960H, Ps2960Y 对焊连接 Butt welding ends

传动方式 Driving		手动 Hand operated			齿轮传动 Gear operated			电动 Electric driving					
Class	NPS (in)	L	H ₁	D ₁	重量 Weight (kg)	H	D ₂	齿轮装置 Gear device	重量 Weight (kg)	L ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
2500	2	451	502	450	110	-	-	-	-	-	-	-	-
	3	578	596	500	135	654	610	BA-2	205	683	830	DZW90	199
	4	673	598	600	215	781	610	BA-2	305	803	830	DZW120	294
	6	914	-	-	-	977	610	3AA-2	650	1024	870	DZW180	367
	8	1022	-	-	-	1430	610	2AA-2	900	1508	870	DZW250	924
	10	1270	-	-	-	1630	610	3AA-2	1600	1820	1170	DZW350	1674
12	1422	-	-	-	1752	610	3AA-2	2500	1790	1170	DZW500	2512	



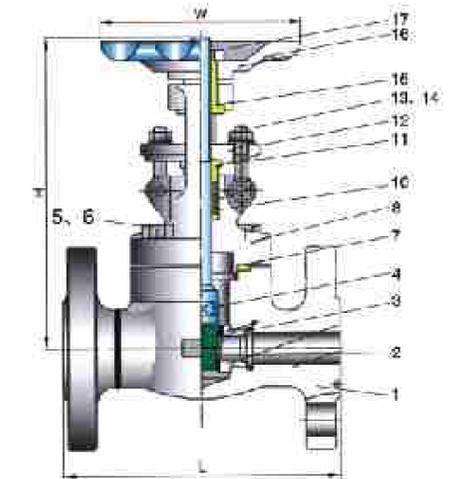
锻钢闸阀 Forged steel gate valve

产品采用标准 Technical specification

结构形式 Structural formation	法兰连接和衬垫结构 Flange welded joint connection and gasket structure
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602, BS5352
结构长度 Face to face	ASME B16.10
连接法兰 Flanged ends	ASME B16.5
试验和检验 Test & inspection	API608, BS5499

主要零件材料 Major parts material

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	ASTM A105, ASTM A162-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91, ASTM A350-J2
2	闸板 Gate	ASTM A182-F36, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
3	阀座 Seat	ASTM A182-F36, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
4	阀杆 Stem	ASTM A182-F36, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
5	阀盖罩 Body cover stud	ASTM A193-B7, B16, B7M, B8, ASTM A320-L7, B8M
6	阀盖螺母 Body cover nut	ASTM A194-2H, 7, 8, 4
7	阀盖垫片 Body cover gasket	304或蒙乃尔合金+石墨, 304, 304L, 316, 316L, 321-P/TFE
8	阀盖 Bonnet	ASTM A105, ASTM A162-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
10	填料 Packing	模压纤维, PTFE, 夹不锈钢丝或夹石墨+石墨密封
11	填料压套 Packing sleeve	ASTM A102-F36, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
12	填料压盖 Packing gland	ASTM A105, ASTM A162-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
13	螺母 Nut	ASTM A194-2H, 7, 8, 4
14	活节螺栓 Live bolt	ASTM A193-B7, B16, B7M, B8, ASTM A320-L7, B8M
15	阀杆螺母 Stem nut	F36或F4
16	手轮 Handwheel	可锻铸铁, 球墨铸铁
17	锁紧螺母 Lock nut	ASTM A105, ASTM A162-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91



主要外形尺寸及重量 Main size of outside & weight

型号 Model: 15s, Ps241H, 16s, Ps241Y

Class	DN	150				300				600						
		L	H ₁	w	重量 Weight (kg)	L	H ₁	w	重量 Weight (kg)	L	H ₁	w	重量 Weight (kg)			
15	1/2	106	110	180	100	4.5	140	151	160	100	4.8	185	183.5	160	100	5.6
20	3/4	117.5	120	185	100	5.1	152.5	165	165	100	5.2	190.5	190.5	165	100	7.5
25	1	127	140	192	125	6.5	166	178	182	125	6.4	216	216	182	125	10.3
32	1 1/4	140	153	220	160	11.5	178	191	220	160	14.2	220	229	220	160	16.3
40	1 1/2	165	178	245	160	11.2	193.5	203	245	160	13.5	241	241	245	160	17.5
50	2	178	216	295	180	20	216	232	285	180	23.5	232	295	285	180	26.4

注: H₁为阀门全开时的高度。Note: H₁ represents the height in full opening condition of valve



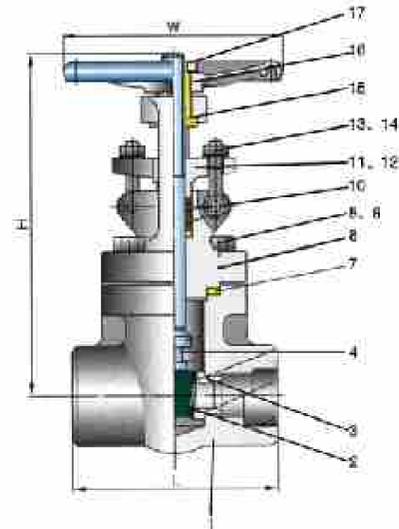
锻钢闸阀 Forged steel gate valve

产品采用标准 Technical specification

结构形式 Structural formation	铸钢闸阀带焊接外伸 Bolt/weld-jointed bonnet outside stem and yoke
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602, BS5352
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Socket welded ends	ASME B16.11
试验和检验 Test/Inspection	API598, BS6755

主要零件材料 Major parts material

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A105, ASTM A182-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91, ASTM A350-LF2
2	闸板 Gate	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
3	闸座 Seat	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
4	阀杆 Stem	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
5	阀盖螺母 Body cover nut	ASTM A193-B7, B16, B7M, B8, ASTM A320-L7, B9M
6	阀盖螺母 Body cover nut	ASTM A194-2H, 7, 8, 4
7	阀盖垫片 Body cover gasket	304或蒙乃尔合金+石墨, 204, 304L, 316, 316L, 321-F1FE
8	阀盖 Bonnet	ASTM A105, ASTM A182-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91, ASTM A350-LF2
9	填料 packing	碳素纤维, PTFE, 奥氏体不锈钢或蒙乃尔合金+石墨编织
11	填料压套 Packing sleeve	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
12	填料压盖 Packing gland	ASTM A105, ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91
13	螺母 Nut	ASTM A194-2H, 7, 8, 4
14	活节螺栓 Live bolt	ASTM A193-B7, B16, B7M, B8, ASTM A320-L7, B9M
15	阀杆螺母 Stem nut	F5a氮化
16	手柄 Handwheel	可锻铸铁, 球墨铸铁
17	锁紧螺母 Lock nut	ASTM A105, ASTM A182-1Cr13, 2Cr13, F304



主要外形尺寸及重量 Main size of outside & weight

型号 Model: (H5, P5)7"1H, (H5, P5)7"1Y, (H5, P5)7"1H, (H5, P5)7"1Y

Class				800				1500			
DN				尺寸 Dimension (mm)				尺寸 Dimension (mm)			
口径 Nominal bore		全径 Full bore		L	H1	W	重量 Weight (kg)	L	H1	W	重量 Weight (kg)
mm	in	mm	in								
15	1/2	10	3/8	80	160	103	1.9	111	203	125	4.2
20	3/4	15	1/2	92	166	103	2.1	111	203	125	4.8
25	1	20	3/4	111	192	125	3.2	115	216	160	9.2
32	1 1/4	25	1	120	220	163	6.9	123	235	160	8.2
40	1 1/2	32	1 1/4	120	245	163	6.9	149	275	180	11.0
50	2	40	1 1/2	140	285	180	13.4	162	320	200	15.8
		50	2	172	392	203	15.8	183	388	250	24.5

注: H为阀门全开时的高度。Note: H represents the height in full opening position of valve.



锻钢闸阀 Forged steel gate valve

产品采用标准 Technical specification

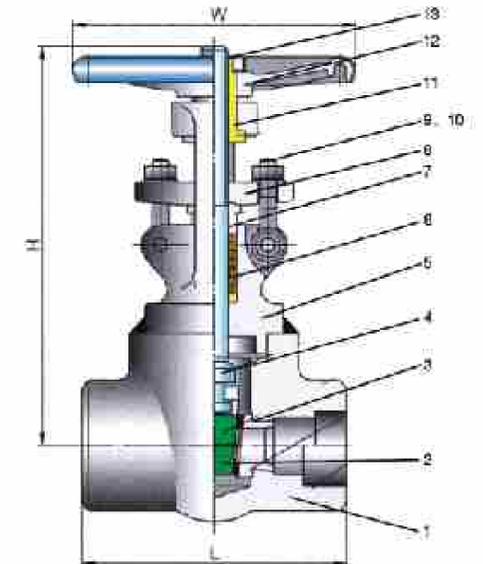
结构形式 Structural formation	铸钢闸阀带焊接外伸 Weld-jointed bonnet outside stem and yoke
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602, BS5352
螺纹端 Thread ends	ASME B1.20.1
承插焊端/对焊端 Socket welded ends/Butt-weld	ASME B16.11/ ASME B16.25
试验和检验 Test/Inspection	API598, BS6755



主要零件材料 Major parts material

中部焊接锻钢闸阀

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A105, ASTM A182-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91, ASTM A350-LF2
2	闸板 Gate	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60
3	闸座 Seat	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60
4	阀杆 Stem	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60
5	阀盖 Bonnet	ASTM A105, ASTM A182-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60, F91, ASTM A350-LF2
6	填料 Packing	碳素纤维, PTFE, 奥氏体不锈钢或蒙乃尔合金+石墨编织
7	填料压套 Packing sleeve	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60
8	填料压盖 Packing gland	ASTM A105, ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F60
9	螺母 Nut	ASTM A194-2H, 7, 8, 4
10	活节螺栓 Live bolt	ASTM A193-B7, B16, B7M, B8, ASTM A320-L7, B9M
11	阀杆螺母 Stem nut	F5a氮化
12	手柄 Handwheel	可锻铸铁, 球墨铸铁
13	锁紧螺母 Lock nut	ASTM A105, ASTM A182-1Cr13, 2Cr13, F304





锻钢闸阀 Forged steel gate valve

主要零件材料 Major parts material form

API 5L 密封铸钢闸阀 (P)

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A105 ASTM A182-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F56, F58, F59 ASTM A350-LF2
2	阀座 Seat	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F56
3	闸板 Disc	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F56
4	阀杆 Stem	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F56
5	阀盖 Bonnet	ASTM A105 ASTM A182-F5, F9, F11, F22, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F56, F58, F59 ASTM A350-LF2
6	密封圈 Seal ring	ASTM A182-F316, F347, F304L, F316H, F51, F53
7	止推环 Thrust ring	ASTM A182-F6a, F304, F316, F347, F316H, F53
8	填料箱 Packing box	ASTM A182-F6a, F304, F304L, F321, F316, F316L, F347, F316H, F51, F53, F55, F56
8	填料室压紧螺母 Stuffing box lock nut	ASTM A194-2H, 7, 8, 4
10	填料 Packing	石墨纤维, PTFE, 夫不锈纤维或聚四氟乙烯, 石墨编带
11	螺母 Nut	ASTM A194-2H, 7, 8, 4
12	活节螺母 Live bolt	ASTM A193-B7, B7M, B8, B8M ASTM A320-L7, B8M
13	填料压套 Packing sleeve	ASTM A182-1Cr13, 2Cr13, F304, F316, F347, F304L, F316L, F316H, F51, F53 ASTM A216-WCB, ASTM A217-C5 ASTM A352-LCB, ASTM A351-CF8, CF8M, CF8C, ASTM A995-LA
14	填料压套 Packing gland	FR-碳化
16	阀杆螺母 Stem nut	可锻铸铁, 球墨铸铁
18	手轮 Handwheel	ASTM A105
17	手轮螺母 Lock nut	ASTM A182-1Cr13, 2Cr13, F304

主要外形尺寸及重量 Main size of outside & weight

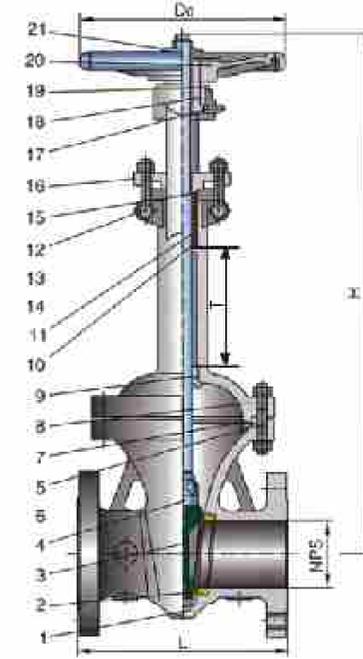
型号 Model: (Hs, P); 2"1H, (Hs, P); 2"1Y, (Hs, P); 2"3H, (Hs, P); 2"4Y

Class				2500			重量 Weight (kg)
DN				尺寸 Dimensions (mm)			
口径 Outside bore		全径 Full bore		L	H	W	
mm	in.	mm	in.				
15	1/2	10	3/8	111	155	125	5.2
20	3/4	15	1/2	127	215	140	5.5
25	1	20	3/4	127	245	150	7.4
32	1 1/4	25	1	127	275	150	9.5
40	1 1/2	32	1 1/4	140	275	150	9.5
50	2	40	1 1/2	210	340	200	13.6
		50	2	230	425	240	25

注: H为阀门全开时的高度。Note: H represents the height full in opening condition of valve



低温闸阀 Low-temperature gate valve



产品采用标准 Technical specification

设计与制造 Design and manufacture	API 600 MSS SP-104, JIS B2073 BS6399
结构长度 Face to face	ASME B16.10 BSEN558
连接尺寸 Connection dimensions	ASME B16.5
压力温度等级 Pressure-temp.	ASME B16.34
试验和检验 Test & inspection	API 598, MSS SP-104, BS6399
主体材料 Body material	LCB, CF8, CF8M, CF3, CF3M
最低温度 (°C) Minimum temperature(°C)	-45, -70, -105, 155, -196, -254

3) 低温加长长度L可根据不同低温条件要求加长或按用户需求确定。
Note: Low temperature extended length L according to different temperature conditions require lengthening or according to user requirements to determine.

材料标准 Material specifications

NO	名称 Name	材料 Material				
		LCB	CF8	CF8M	CF3	CF3M
1	阀体 Body	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
2	阀座 Seat	F6a, A350 F316H	A182 F304	A182 F316	A182 F304L	A182 F316L
3	闸板 Disc	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
4	阀杆 Stem	A182 F304LN	A182 F304LN	A182 F316LN	A182 F304LN	A182 F316LN
5	螺栓 Bolt	A193 B7M, A320 L7, A193 B8, A320 B8M				
6	螺母 Nut	194 2HM, A194 4, A154 7, A154 B, A154 3M				
7	垫片 Gasket	F304-柔性石墨 Flexible graphite				
8	阀盖 Bonnet	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
9	上密封座 Bank seat	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
10	填料 Packing	柔性石墨 Flexible graphite				
11	阀杆 Lantern	A182 F304	A182 F304	A182 F316	A182 F304L	A182 F316L
12	销 Pin	碳钢或合金钢 Carbon steel or alloy steel				
13	活节螺母 Gland eyebolt	A193 B7	20, A320 L7, A193 B7M, A193 B8, A320 B8M			
14	螺母 Nut	A194 2HM, A194 4, A194 3M				
15	填料压套 Gland	A182 LF2	A182 F304	A182 F316	A182 F304L	A182 F316L
16	填料压套 Gland flange	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
17	油杯 Oil cup	Br, 碳钢或不锈钢 Brass carbon steel or stainless steel				
18	阀杆螺母 Stem nut	A430D2, ZCuAl10Fe3(C3 STD)				
19	轴承压套 Retaining nut	碳钢或合金钢 Carbon steel or alloy steel				
20	手轮 Handwheel	可锻铸铁或碳钢 Forged cast iron or carbon steel				
21	锁紧螺母 H/W Lock nut	碳钢或合金钢 Carbon steel or alloy steel				
	密封面 Sealing face	硬合金 STL304 Hard alloy				

注: 材料按照ASTM标准。Note: The materials according to ASTM standard



低温闸阀 Low-temperature gate valve

主要外形尺寸及重量 Main size of outside & weight

Class 150 10K																
DN	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500
NPS	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L	117	127	140	165	178	193	203	229	267	292	330	356	381	406	432	457
	4.6	5	5.5	6.5	7	7.5	8	9	10.5	11.5	13	14	15	16	17	18
H(H1)	320	350	385	420	540	610	690	780	980	990	1180	1330	1520	1810	1970	-
	13	13.8	15.1	16.5	21.3	24	27	30.7	38.6	38.8	46.5	54.7	63.8	71.3	77.5	-
W(kg)	6	8	9	15	22	26	39	50	69	85	132	182	265	420	550	-

Class 300 20K																
DN	20	25	32	40	50	65	80	100	150	200	250	300	350	400	450	500
NPS	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20
L	162	165	178	190	218	241	283	306	403	413	457	502	502	538	514	591
	6	6.5	7	7.5	8.5	9.5	11.1	12	15.8	16.5	18	19.5	20	23	26	23
H(H1)	350	380	400	455	575	635	715	815	965	1025	1225	1440	1555	1580	2050	-
	13	14.1	15.7	17.3	22.6	25	28	32	38	40	48.2	58.7	65.5	71	80.7	-
W(kg)	7	9	11	19	29	37	52	73	116	139	218	288	410	605	750	-

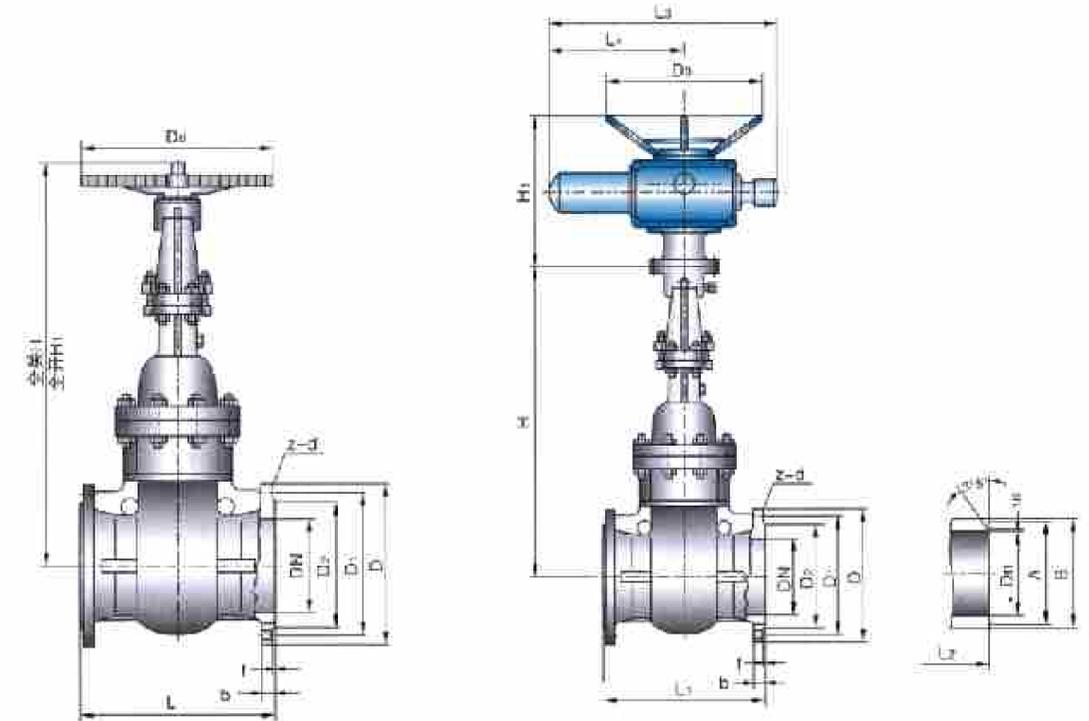
Class 600																
DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	
NPS	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	
L	190	216	229	241	292	330	356	432	506	559	660	787	838	-	-	
	7.5	8.5	9	9.5	11.5	13	14	17	20	22	26	31	33	-	-	
H(H1)	335	385	420	500	630	700	760	900	990	1070	1280	1500	1740	-	-	
	13.1	14.3	16.5	19.7	25	27.5	30	35	39	47	50	59	68.5	-	-	
W(kg)	12	17	26	52	74	88	75	125	187	260	384	602	705	-	-	

注：法兰、手轮尺寸与相应的闸制闸阀相同
Note: Flange, Handwheel dimensions are same for gate valve



真空隔离闸阀 Vacuum-isolating gate valve

NKZ 44 H-16C 10K 64 25
NKZ 44 Y-16C 10K 64 25
NKZ 44 Y-16H 10K 64 25
NKZ 44 Y-16H 10K 64 25



主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)														重量(kg)	
		L	L1	D	D1	D2	a	f	z-d	Dr	A	B	H	H1	Dc	H F	±W
1.0	50	250	216	163	175	103	16	3	4-18	49	57	64	358	458	250	28	24
	65	270	241	180	145	120	18	3	4-18	68	73	92	428	514	250	40	35
	80	290	283	195	160	135	18	3	4-18	79	89	94	456	529	300	55	50
	100	300	305	215	180	155	20	3	8-19	95	106	115	514	614	300	72	65
	125	325	381	245	210	185	22	3	8-19	121	135	144	600	750	350	106	99
	150	350	403	283	240	210	24	3	8-23	146	160	172	650	825	350	146	128
	200	400	419	355	295	255	26	3	8-23	202	219	223	800	1000	400	220	200
	250	450	457	390	350	320	28	3	12-23	254	273	278	840	1080	400	315	280
	300	500	505	440	400	368	28	4	12-25	303	328	330	960	1265	450	335	360
	350	550	572	500	450	429	30	4	16-25	351	377	382	1125	1470	500	530	490
	400	600	610	565	515	482	32	4	16-25	398	428	432	1410	1815	550	630	540
	450	650	660	615	565	532	32	4	20-25	450	480	484	1475	1925	600	670	610
	500	700	711	670	620	585	34	4	20-25	501	530	535	1660	2170	650	1080	1010
	550	800	813	780	725	695	36	5	20-30	602	630	638	1955	2550	700	1350	1260
	700	900	914	885	840	800	40	5	24-30	692	720	735	2160	2865	750	1950	1820
	800	1000	965	1010	950	905	44	5	24-34	792	820	840	2590	3390	800	2500	2320



真空隔离闸阀 Vacuum-isolating gate valve

主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)																重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	b	f	z-d	D _h	A	B	H	H ₁	D ₀	R _F	±W		
1.6	50	250	215	150	125	100	15	3	4-18	49	57	34	303	458	250	28	24		
	65	270	241	160	145	120	15	3	4-18	56	73	32	433	514	250	40	35		
	80	280	253	175	160	135	20	3	8-18	78	89	34	488	599	300	55	50		
	100	300	265	215	190	155	20	3	8-18	86	104	32	514	614	300	75	65		
	125	325	281	245	210	155	22	3	8-18	121	133	34	600	730	350	110	85		
	150	350	403	290	240	210	24	3	8-20	146	159	32	680	825	350	150	130		
	200	400	419	335	275	235	28	3	12-23	209	219	32	800	1000	400	225	205		
	250	450	457	375	330	270	30	3	12-25	264	274	32	840	1080	450	325	295		
	300	500	502	450	400	375	30	4	12-25	303	325	330	950	1260	450	430	395		
	350	550	572	520	490	435	34	4	16-25	351	377	352	1135	1470	600	570	510		
	400	600	610	580	575	495	35	4	16-25	398	425	432	1410	1815	600	740	585		
	450	650	680	680	675	545	40	4	20-30	450	480	484	1445	1925	700	855	680		
	500	700	711	705	620	638	44	4	20-34	501	500	535	1660	2170	750	1155	1070		
	600	800	813	840	725	718	48	5	20-41	602	630	638	1950	2570	800	1455	1295		
	700	900	914	910	840	738	50	5	24-41	692	720	738	2165	2870	850	2110	1830		
	800	1000	985	1020	950	838	52	5	24-41	719	820	840	2595	3215	900	2630	2330		

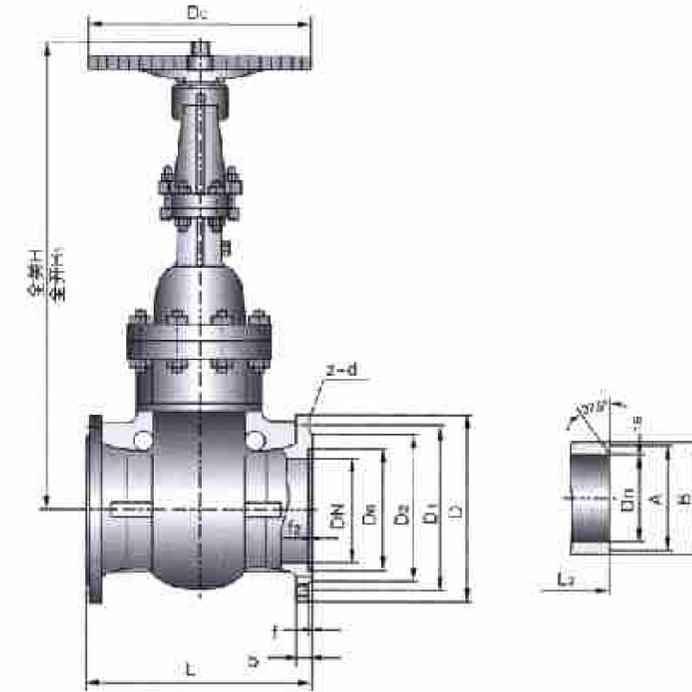
主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)																重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	b	f	z-d	D _h	A	B	H	H ₁	D ₀	R _F	±W		
2.5	50	250	215	150	125	100	20	3	4-18	49	57	34	400	480	250	30	25		
	65	270	241	160	145	120	22	3	8-18	56	73	32	440	515	250	43	37		
	80	280	253	175	160	135	22	3	8-18	78	89	34	460	540	300	60	52		
	100	300	265	230	190	130	24	3	8-20	86	104	32	515	615	300	75	67		
	125	325	281	270	230	188	24	3	8-20	121	134	34	600	740	350	115	88		
	150	350	403	300	240	218	30	3	8-25	146	159	32	680	875	350	155	135		
	200	400	419	350	310	278	34	3	12-25	202	219	32	800	1000	400	240	215		
	250	450	457	425	370	332	38	3	12-30	254	273	32	840	1080	450	345	305		
	300	500	502	475	430	390	40	4	16-25	303	325	330	950	1260	450	435	400		
	350	550	572	550	490	448	44	4	16-34	351	377	352	1135	1470	600	575	525		
	400	600	610	610	550	505	48	4	16-34	398	425	432	1410	1815	700	730	570		
	450	650	680	650	600	555	50	4	20-34	450	460	484	1480	1930	750	815	670		
	500	700	691	730	620	610	52	4	20-41	500	520	535	1665	2175	800	1250	1030		
	600	800	1144	840	770	718	55	5	20-41	600	630	638	1955	2575	850	1825	1325		
	700	900	1345	865	875	815	60	5	24-45	690	720	738	2170	2875	900	2265	1610		
	800	1000	1524	1070	930	830	64	5	24-45	790	820	840	2600	3400	1000	2845	2435		



真空隔离闸阀 Vacuum-isolating gate valve

NK7 ⁴⁴/₆₄ H=34 ⁴⁴/₁₀₀ NK7 ⁴⁴/₆₄ V=341 ⁴⁴/₁₀₀ NK7 ⁴⁴/₆₄ Y=643 ⁴⁴/₁₀₀ NK7 ⁴⁴/₆₄ Y=64R ⁴⁴/₁₀₀



主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)																重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	L ₆	b	f	z-d	D _h	A	B	H	H ₁	D ₀	R _F	±W	
4.0	50	250	216	160	125	100	88	20	4	3	4-18	48	57	64	400	480	300	30	25
	65	270	241	180	145	120	110	22	4	3	8-18	66	73	82	440	516	300	46	40
	80	310	283	185	160	135	121	22	4	3	8-18	78	89	94	485	572	350	55	60
	100	350	305	230	190	150	150	24	4.5	3	8-23	96	105	116	574	689	350	75	70
	125	400	381	270	220	188	176	28	4.5	3	8-25	120	131	141	670	807	400	105	95
	150	450	403	300	250	218	204	30	4.5	3	8-25	145	150	172	750	917	400	150	135
	200	550	419	375	320	252	250	38	4.5	3	12-30	200	219	222	931	1110	450	235	210
	250	650	457	448	385	345	313	42	4.5	3	12-34	252	273	278	1040	1330	650	340	310
	300	750	502	510	450	408	354	46	4.5	4	18-34	301	325	330	1050	1330	650	495	435
	350	850	760	570	510	465	422	52	5	4	18-34	351	377	382	1170	1485	750	650	580
	400	950	838	685	585	535	474	58	5	4	18-41	398	425	432	1463	1875	850	800	740



真空隔离闸阀 Vacuum-isolating gate valve

主要外形尺寸及重量 Main size of outside & weight

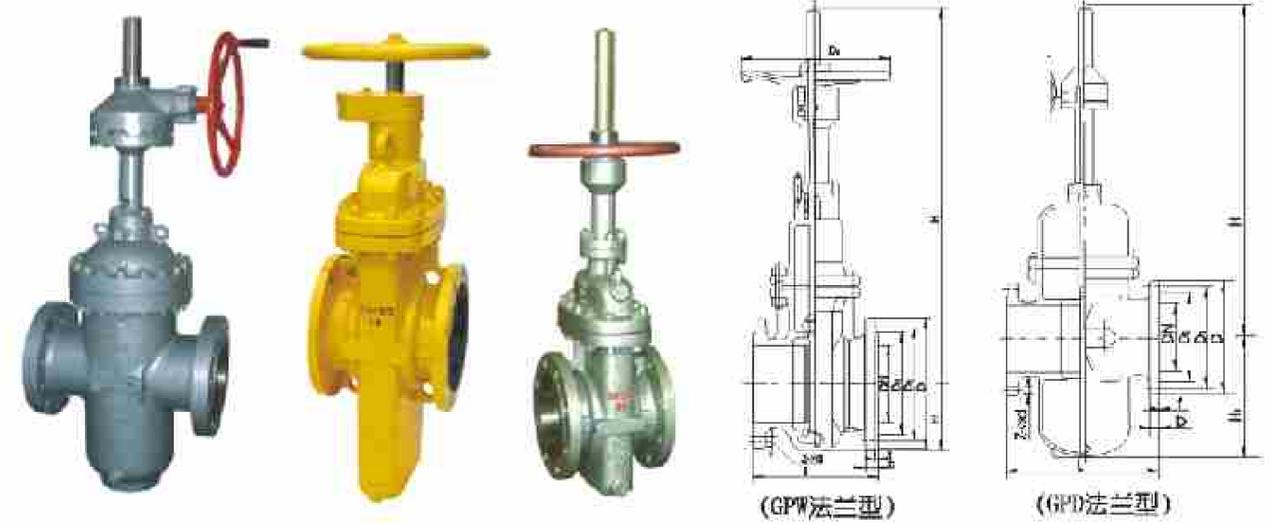
公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)															重量(kg)		
		L ₁	L ₂	D	D ₁	D ₂	D ₃	b	e	f	z-d	D ₄	A	B	H	H ₁	D ₅	R.F	B.W
6.3	50	250	297	175	135	105	88	26	4	3	4-25	47	57	65	400	460	300	40	55
	55	280	333	200	160	130	110	28	4	3	8-25	64	73	83	440	516	300	50	60
	50	310	355	210	170	140	121	30	4	3	8-25	77	89	98	485	572	350	75	63
	100	350	405	250	200	168	150	32	4.5	3	8-25	91	105	117	575	688	400	100	78
	125	400	457	295	240	202	178	38	4.5	3	8-30	118	133	144	683	802	400	140	110
	150	450	498	340	280	240	204	38	4.5	3	8-34	142	159	172	750	877	450	205	160
	200	550	597	405	345	300	250	44	4.5	3	12-34	198	219	232	891	1110	550	315	255
	250	650	673	470	400	352	313	48	4.5	3	12-41	246	273	282	1057	1331	650	470	390
	300	750	767	530	460	412	354	54	4.5	4	16-41	294	325	350	1135	1385	750	630	535
	350	850	823	595	525	475	422	59	5	4	16-41	342	377	382	1170	1455	850	850	690
400	950	902	670	582	525	474	66	5	4	16-48	356	425	432	1453	1878	950	1095	900	

主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)															重量(kg)		
		L ₁	L ₂	D	D ₁	D ₂	D ₃	b	e	f	z-d	D ₄	A	B	H	H ₁	D ₅	R.F	B.W
10.0	50	250	292	165	145	112	88	20	4	3	4-25	45	57	65	400	460	300	48	38
	55	280	333	220	170	138	110	22	4	3	8-25	62	73	83	440	516	300	58	54
	50	310	355	230	180	148	121	22	4	3	8-25	75	89	98	485	572	350	70	75
	100	350	427	265	210	172	150	24	4.5	3	8-30	90	105	118	575	688	400	110	85
	125	400	505	310	250	210	178	28	4.5	3	8-34	117	133	150	683	802	400	155	115
	150	450	553	350	290	250	204	30	4.5	3	12-34	136	153	162	750	877	450	220	170
	200	550	603	430	360	312	230	38	4.5	3	12-41	190	219	242	891	1110	550	350	270
	250	650	757	500	430	382	313	42	4.5	3	12-41	236	273	302	1057	1330	650	435	400
	300	750	823	565	500	442	354	46	4.5	4	16-48	254	325	350	1135	1330	750	730	550
	350	850	883	655	580	498	422	52	5	4	16-54	332	377	402	1170	1485	850	985	725
400	950	991	715	620	558	474	58	5	4	16-64	376	425	462	1453	1878	950	1285	920	



平板闸阀 Flat-plate gate valve



产品性能规范 Products performance specification

压力等级 Pressure	高温试验压力(MPa) Testing pressure at constant temperature(MPa)					适用温度 Applicable temperature	适用介质 Applicable medium	
	壳体试验 ho shell testing	在密封 holet sealing	高密封 ho high sealing	低密封 ho low sealing	普通型 Ordinary type		抗硫型 Antisulphur type	
公称压力 (Mpa) Nominal rating pressure (PN)	1.6	2.4	1.75	1.75	0.6	-45~150℃ 或按用户要求	石油、天然气、 水等非腐蚀性介质	含H ₂ S、CO ₂ 的石油、 天然气、水等腐蚀性 介质
	2.5	3.75	2.75	2.75	0.6			
	4.0	6.0	4.4	4.4	0.6			
	6.4	9.6	7.04	7.04	0.6			
	10.0	15.0	11.0	11.0	0.6			
磅级 (Class)	150	21.0	17.5	17.5	0.6	-45~150℃ or upon the user requirement	Petroleum, natural gas, water etc. non- corrosive media	Petroleum, natural gas, water etc. containing H ₂ S, CO ₂ , corrosive media
	300	7.5	5.5	5.5	0.6			
	600	13.5	12.1	12.1	0.6			
	900	22.5	16.5	16.5	0.6			

产品主要参数 Main parameter of the products

基本型号 Serial models (K为抗硫型)	KJ243WF, KJ243WY, KJ243WD, KJ244WF, KJ244WY, KJ244WD KJ7543WF, KJ7543WY, KJ7543WD, KJ7544WF, KJ7544WY, KJ7544WD KJ2643WF, KJ2643WY, KJ2643WD, KJ2644WF, KJ2644WY, KJ2644WD KJ2943WF, KJ2943WY, KJ2943WD, KJ2944WF, KJ2944WY, KJ2944WD		
压力等级或 Pressure grade/range	PN1.6~15.0MPa		Class150~900
口径范围 Drift diameter range	DN25~1600mm		1"-64"
驱动方式 Driving manner	手轮驱动 Hand wheel driving		蜗轮蜗杆驱动、气动、液动、电动 Gear or chain-operating, hydraulics driving and electric driving
适用范围 Scope of application	Class150~300 (PN1.6~4.0) 1"-2 1/2" (DN25~100mm)	Class400 (PN6.4) 1 1/2"-30" (DN25~730mm)	Class600~900 (PN10.0~15.0) 1"-12" (DN25~300mm)



平板闸阀 Flat-plate gate valve



产品采用标准 Technical specification

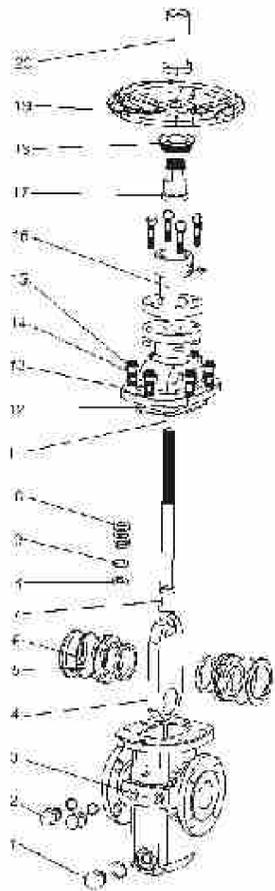
设计标准 Design reference		API	API
设计标准 (Design standard)		GB/T 9672 JB/T 6298	API 5D ASME B16.34
结构长度 Structure length	法兰 Flanged	GB/T 2221 GB/T 9622 JB/T 6298	API 5D ASME B16.10
	焊接 Welded connection	GB/T 2221 GB/T 5872	
法兰法兰 Flanged ends		GB/T 9113 HG/T 20532	ASME B16.5 ASME B16.47
承插端 Butt-welding ends		GB/T 12224	ASME B16.25
铸造和焊接 Cast/inspector		GB/T 5827 GB/T 9672 JB/T 6297	API 5D API 5B

注：阀门连接法兰尺寸可以根据客户要求设计制造。
Note: The sizes of valve connecting flange can be designed according to customer's requirement

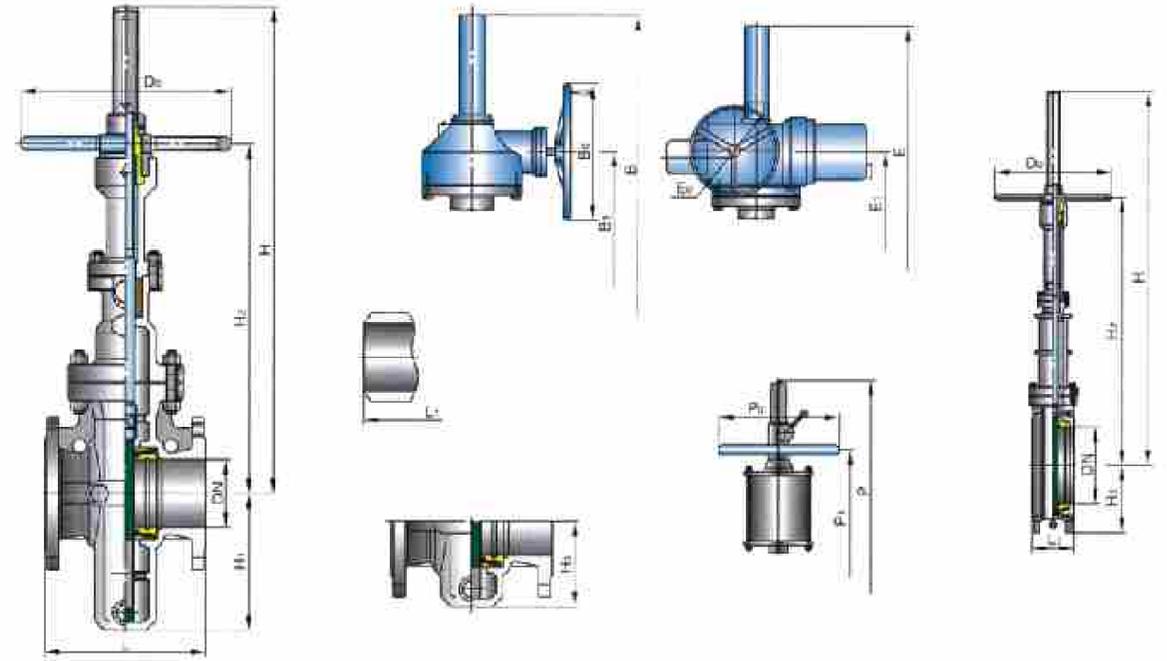
主要零件材料 Major parts material form

序号 No.	零件名称 Accessory name	材料 Material			
		普通型 Ordinary type		抗硫酸型 Antisulfur type	
		GB	ASTM	GB	ASTM
1	卸压堵头 Blowdown stops	25	A105	1Cr18Ni9	A276-304
2	补脂接头 Grease injection pin	25	A105	25+Zr	A10E-Zr
3	阀体 Body	WCB	A216-WCB	WCB	A216-WCB
4	阀板 Die	16Mn-FNP	A105-FNP	0Cr18Ni9	A276-304
5	阀座 Seat	16Mn+PTFE-FNP A105+PTFE+ENP	0Cr18Ni9+PTFE+ENP	A276-304+PTFE+ENP	
6	O形圈 O-Ring	NBR	NRR	FFM	FFM
7	阀杆 Stem	2Cr13	A276-F420	0Cr18Ni9	A276-304
8	阀杆密封环 Stem ring	2Cr13	A276-F420	0Cr18Ni9	A182-F304
9	Y型阀瓣 Y-Ring	NBR	NRR	FFM	FFM
10	密封套 Sealing shroud	2Cr13	A276-F420	0Cr18Ni9	A276-304
11	指示杆 Indicating stem	25+Zr	1025+7r	25+Zr	1025+7r
12	垫片 Gasket	柔性石墨+0Cr18Ni9 Graphite+0Cr18Ni9	柔性石墨+304 Graphite+304	柔性石墨+0Cr18Ni9 Graphite+0Cr18Ni9	柔性石墨+304 Graphite+304
13	阀盖 Bonnet	WCB	A216-WCB	WCB	A216-WCB
14	螺母 Nut	35CrMoA	A193-B7	35CrMoA	A193-B7
15	螺母 Nut	45	A194-2H	45	A194-2H
16	叉架 Yoke	WCB	A216-WCB	WCB	A216-WCB
17	阀杆螺母 Stem nut	ZQA9-4	C95500	ZQA9-4	C95500
18	压盖 Gland	25	A105	25	A105
19	手轮 Hand wheel	KTH350-10	A636-60-40-10	KTH350-10	A636-60-40-10
20	指示罩 Indicating cover	25+Zr	1025+Zr	25+Zr	1025+Zr

注：阀门主要零件材料可以根据实际工况条件或用户特殊要求设计制造。
Note: The major parts of the valves can be designed and selected according to actual work condition or customer's special requirement.



平板闸阀 Flat-plate gate valve



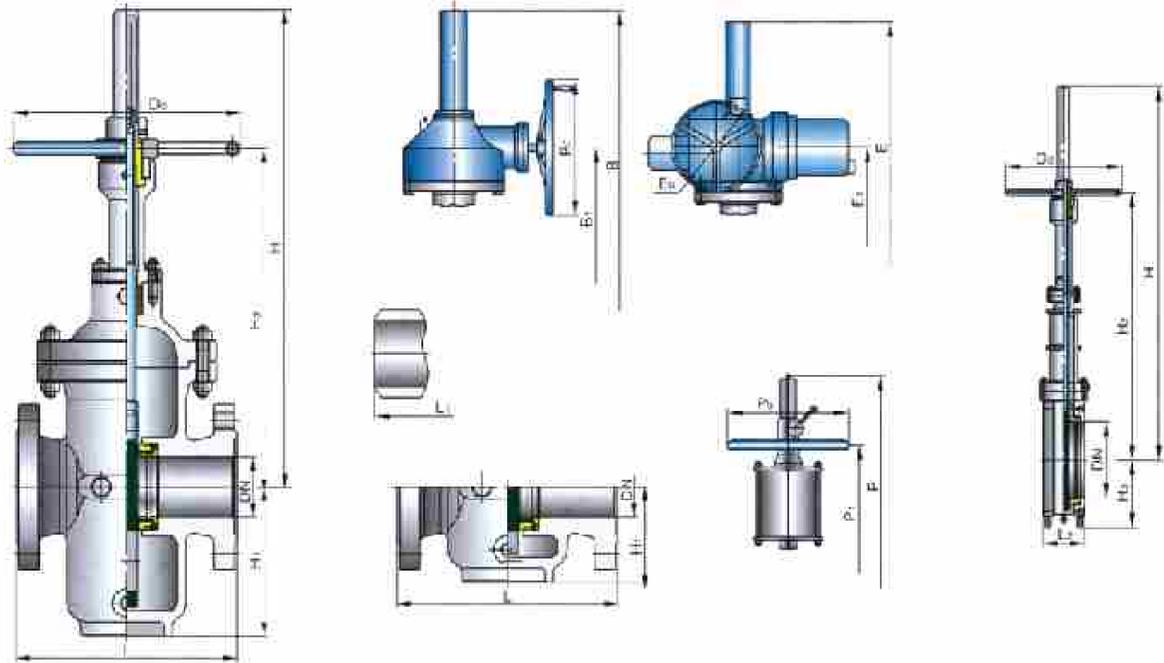
主要外形尺寸 Main size of outside

型号 Model: KZ516-0416034/WTP(F, V, D) PN1.6, 2.5MPa PN2.0MPa(Class150)

DN mm	NPS in	法兰 Flange	密封 Sealing	结构 Type	手轮 Hand wheel	传动装置 Gear driving			气动驱动 Air-operating and fluid driving			电动驱动 Electric driving device			电动装置 Electric driving device	电动装置 in driver base	行程或开 Division line type			
						蜗轮蜗杆 Gearing	伞齿轮 Bevel gear	伞齿轮 Bevel gear	P	P	Rc	E	E	E						
25	1	127	127	-	360	250	180	-	-	-	-	-	-	-	60	95				
32	1 1/4	140	140	-	375	200	190	-	-	-	-	-	-	-	71	100				
40	1 1/2	155	155	-	410	230	250	-	-	-	-	-	-	-	75	115				
50	2	178	216	-	450	315	250	-	-	-	525	430	350	-	85	122				
65	2 1/2	190	241	-	550	420	300	-	-	-	645	560	300	-	91	154				
80	3	203	233	-	610	420	300	-	-	-	730	630	300	-	109	160				
100	4	278	305	150	700	494	300	770	650	310	BA-0	850	720	300	912	790	200	SMC-01	121	185
150	6	257	403	150	895	625	300	365	800	310	BA-0	1120	920	350	1107	920	500	SMC-03	178	283
200	8	292	419	180	1130	754	350	1263	960	310	BA-0	1430	1160	350	1350	1170	500	SMC-03	211	352
250	10	350	457	180	1280	857	400	1350	1280	310	BA-0	1555	1380	400	1550	1250	500	SMC-03	215	410
300	12	355	502	200	1480	1080	450	1550	1200	310	BA-0	1300	1550	450	1740	1400	305	SMC-03	245	514
350	14	357	572	200	1550	1283	500	1740	1350	450	BA-1	2185	1750	450	1913	1550	305	SMC-03	250	607
400	16	405	510	218	1550	1417	500	1850	1500	450	BA-1	2450	2000	500	2100	1620	305	SMC-03	310	678
450	18	432	550	218	2080	1489	600	2150	1580	450	BA-1	2755	2250	500	2365	1830	305	SMC-0	346	755
500	20	457	711	229	2500	1672	700	2120	1550	450	BA-1	3050	2450	600	2565	1990	305	SMC-0	353	856
600	24	508	813	248	2580	2012	800	2800	2120	450	BA-2	3580	2900	500	2800	2200	305	SMC-1	442	1045
700	28	610	914	295	3080	2250	800	3200	2450	450	BA-2	4130	3350	600	3250	2600	305	SMC-1	535	1190
800	32	650	955	285	3481	2550	1000	3640	2500	450	BA-2	-	-	-	3850	2980	305	SMC-1	530	1350
900	36	711	1015	-	3597	2850	1000	4050	3080	600	BA-3	-	-	-	4250	3200	450	SMC-2	610	1510
1000	40	811	-	-	4117	3250	1200	4467	3400	600	BA-3	-	-	-	4677	3600	450	SMC-2	715	1715



平板闸阀 Flat-plate gate valve



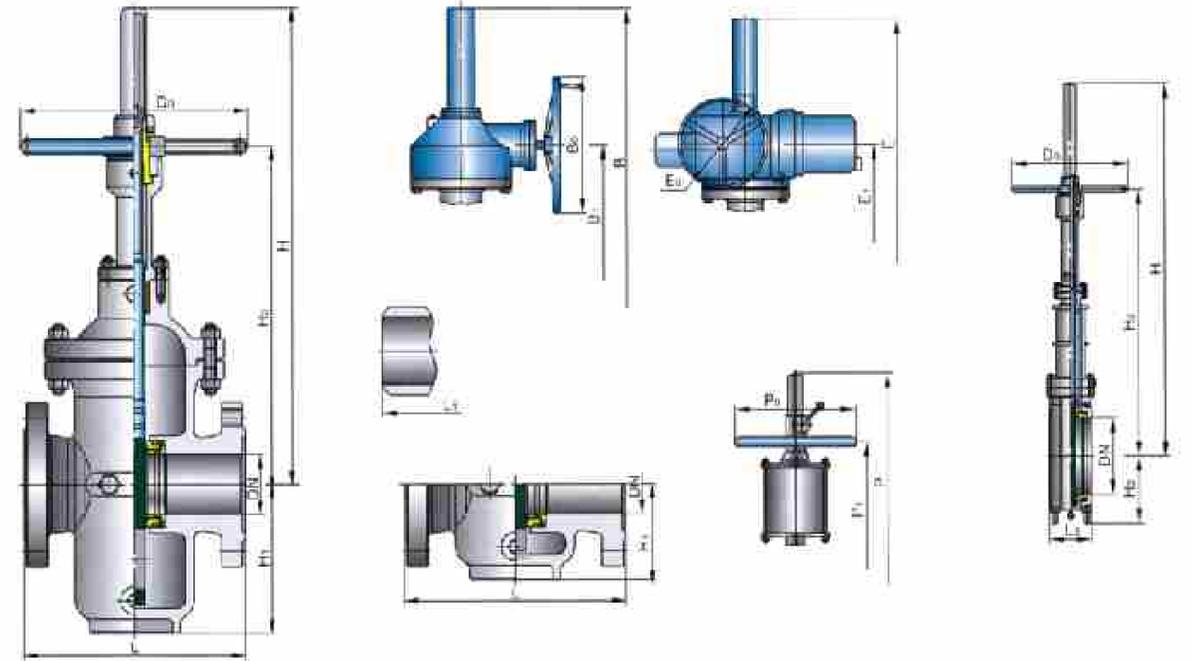
主要外形尺寸 Main size of outside

型号 Model: (K)Z5(B, D)(6)34(W)(P)(F, Y, D) PN4-3MPa PN5-3MPa(Class300)

DN (mm)	NPS (in)	法兰 Flange		对焊 Butt welding	公称 口径 DN	手动 Hand-operated			蜗轮 蜗杆 驱动 Gear driving			气动驱动 and Pneumatic driving			电动 驱动 装置 Electric driving device			先导式孔 板阀 Type			
		GB	API			H	H ₂	D ₀	B	B ₁	D ₀	P	P ₁	P ₀	E	E ₁	E ₂	H ₂	H ₁		
25	1	105	185	168	-	370	260	180	-	-	-	-	-	-	-	-	-	70	90		
32	1 1/4	128	174	178	-	385	270	190	-	-	-	-	-	-	-	-	-	80	115		
40	1 1/2	190	133	190	-	420	300	250	-	-	-	-	-	-	-	-	-	85	130		
50	2	216	218	216	-	458	325	250	-	-	-	593	435	200	-	-	-	100	137		
65	2 1/2	241	241	241	-	555	420	300	-	-	-	653	565	200	-	-	-	106	189		
80	3	285	283	283	-	615	490	300	-	-	-	738	635	250	-	-	-	124	184		
100	4	305	305	305	150	710	590	390	720	650	510	BA-0	800	730	250	R-2	790	206	SMC-04	146	218
150	6	403	403	403	150	900	825	350	985	600	510	BA-0	1125	925	250	1155	950	500	SMC-03	208	311
200	8	418	418	418	180	1135	790	350	1270	590	510	BA-0	1435	1165	250	1390	120	325	SMC-06	241	352
250	10	457	457	457	180	1401	1040	400	1330	1090	510	BA-0	1776	1450	400	1513	1210	326	SMC-20	251	478
300	12	502	502	502	200	1580	1150	480	1680	1200	510	BA-1	2030	1620	480	1745	1400	326	SMC-0	281	545
350	14	572	762	762	200	-	-	-	1710	1350	460	BA-1	2305	1800	500	1915	1580	325	SMC-0	325	645
400	16	610	838	838	218	-	-	-	1920	1540	460	BA-1	2558	2100	500	2135	1640	325	SMC-0	360	728
450	18	690	914	914	218	-	-	-	2150	1700	460	BA-1	2835	2320	700	2365	1840	325	SMC-1	400	820
500	20	711	991	991	229	-	-	-	2420	1850	460	BA-2	3120	2510	500	2660	2050	325	SMC-1	430	930
550	24	784	1143	1143	248	-	-	-	2800	2120	460	BA-2	3570	2990	500	3010	2310	325	SMC-1	497	1106
700	28	914	1346	1346	286	-	-	-	3200	2460	460	BA-2	-	-	-	3480	2690	458	SMC-2	590	1260
800	32	965	1524	1524	286	-	-	-	3840	2890	460	BA-2	-	-	-	3890	3020	458	SMC-2	620	1420
900	36	1316	1727	1727	-	-	-	-	4050	3080	600	BA-3	-	-	-	4260	3200	458	SMC-2	610	1510



平板闸阀 Flat-plate gate valve



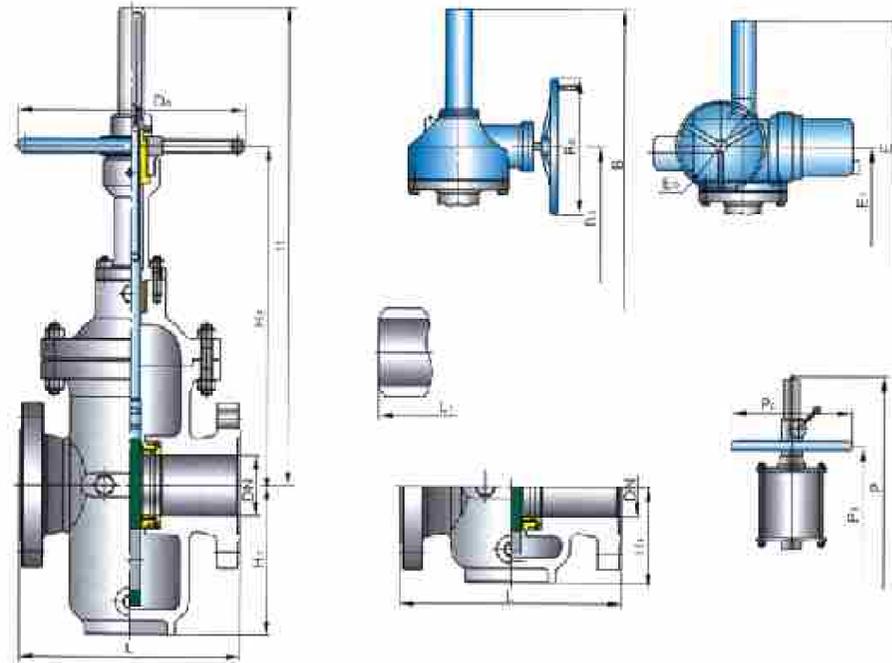
主要外形尺寸 Main size of outside

型号 Model: (K)Z5(B, D)(6)34(W)(P)(F, Y, D) PN5-4MPa(Class400)

DN (mm)	NPS (in)	法兰 Flange		对焊 Butt welding	公称 口径 DN	手动 Hand-operated			蜗轮 蜗杆 驱动 Gear driving			气动驱动 and Pneumatic driving			电动 驱动 装置 Electric driving device			先导式孔 板阀 Type		
		GB	API			H	H ₂	D ₀	B	B ₁	B ₀	P	P ₁	P ₀	E	E ₁	E ₂	H ₂	H ₁	
50	2	218	292	292	458	325	300	605	490	310	BA-0	533	435	200	647	680	200	SWC-04	108	168
65	2 1/2	241	330	330	565	420	350	663	470	310	BA-0	665	565	230	732	610	260	SWC-04	125	190
80	3	283	366	366	615	430	350	610	610	310	BA-0	735	635	250	752	650	300	SWC-03	145	225
100	4	305	406	406	710	500	350	770	660	310	BA-0	800	730	250	812	730	300	SWC-03	165	255
150	6	403	495	495	900	625	400	695	800	310	BA-0	1125	925	350	1135	950	305	SWC-06	220	330
200	8	418	597	597	1135	790	500	1200	960	310	BA-0	1435	1165	350	1373	1100	305	SWC-06	280	410
250	10	457	673	673	1401	1040	500	1370	1090	460	BA-1	1776	1450	400	1575	1280	305	SWC-0	330	490
300	12	502	762	762	1580	1150	600	1560	1290	460	BA-1	2030	1620	450	1725	1390	305	SWC-0	380	570
350	14	572	826	826	-	-	-	1740	1350	480	BA-1	2305	1800	500	1930	1570	305	SWC-1	430	650
400	16	638	902	902	-	-	-	1870	1540	480	BA-2	2558	2100	600	2210	1700	305	SWC-1	480	735
450	18	914	978	978	-	-	-	2260	1700	480	BA-2	2835	2320	730	2500	1940	305	SWC-1	630	810
500	20	991	1064	1064	-	-	-	2420	1850	480	BA-2	3120	2510	800	2630	2020	458	SWC-2	680	905
600	24	1145	1237	1237	-	-	-	2800	2120	600	BA-3	-	-	-	3050	2350	458	SWC-2	670	1070
700	28	1346	1397	1397	-	-	-	3200	2460	600	BA-3	-	-	-	3480	2680	458	SWC-2	770	1280



平板闸阀 Flat-plate gate valve



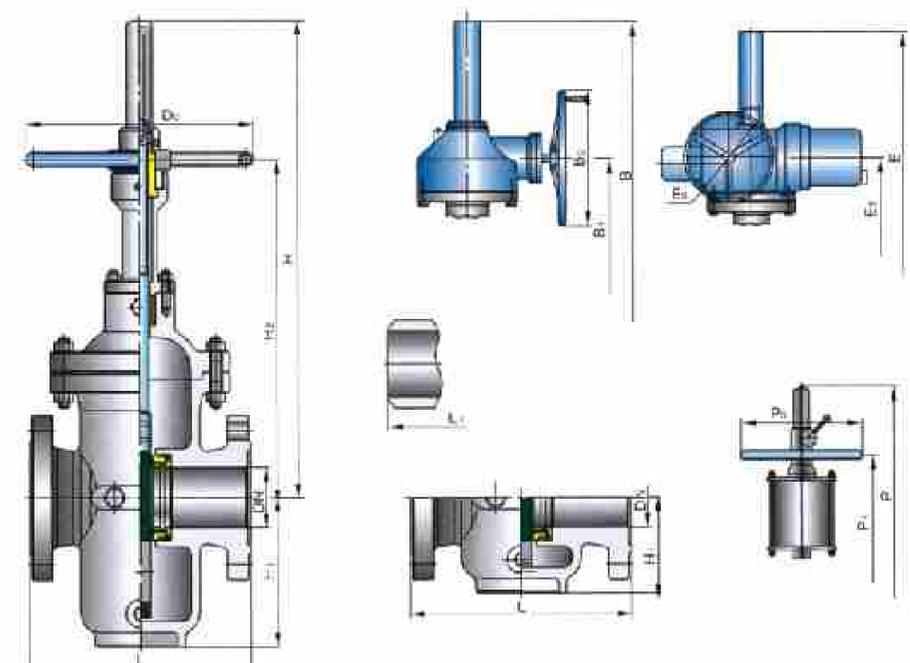
主要外形尺寸 Main size of outside

型号 Model: (K)Z516、(Q)416(Q)416/WLF、Y、D) PN10.0MPa(Class600)

DN (mm)	NPS (in)	法兰 Flange		壳体 壳高 L mm	手动 Hand-operated				齿轮传动 Geared driving			气动/液动 Air-operating and Hydraulic driving			电动 Electric driving device			电动装置 Electric driving device		带导流孔 No. with hole type	带导流孔 Diversion hole type
		GB	API		L ₁	H ₁	H ₂	D ₀	B	B ₁	B ₀	P	P ₁	P ₀	E	E ₁	E ₀	H ₀	H		
50	2	250	292	292	468	335	330	505	430	310	BA-0	543	445	200	647	580	200	SMC-04	108	158	
65	2 1/2	280	330	330	565	430	330	560	470	310	BA-0	665	570	200	702	610	200	SMC-04	125	190	
80	3	310	366	356	625	440	350	610	510	310	BA-0	745	640	250	752	650	200	SMC-03	145	225	
100	4	350	432	432	720	510	350	720	650	310	BA-0	870	740	250	850	720	200	SMC-03	165	255	
150	6	450	555	555	910	630	430	905	800	310	BA-0	1135	930	350	1135	950	305	SMC-0	220	330	
200	8	550	660	630	1145	500	530	1200	960	310	BA-1	1445	1170	350	1403	1130	305	SMC-0	280	410	
250	10	650	787	787	1410	1050	530	1370	1090	460	BA-1	1785	1460	400	1675	1280	305	SMC-0	330	490	
300	12	750	936	830	1590	1160	630	1560	1200	460	BA-1	2040	1530	450	1750	1410	305	SMC-1	380	570	
350	14	850	1085	889	-	-	-	1740	1350	460	BA-2	-	-	-	1920	1570	305	SMC-1	430	650	
400	16	950	1234	931	-	-	-	1970	1540	460	BA-2	-	-	-	2210	1700	305	SMC-1	480	735	
450	16	1050	1392	1032	-	-	-	2260	1700	460	BA-2	-	-	-	2500	1940	455	SMC-2	530	810	
500	20	1150	1541	1131	-	-	-	2420	1850	460	BA-2	-	-	-	2650	2020	455	SMC-2	580	895	



平板闸阀 Flat-plate gate valve



主要外形尺寸 Main size of outside

型号 Model: (K)Z516、(Q)416(Q)416/WLF、Y、D) PN16.0MPa(Class900)

DN (mm)	NPS (in)	法兰 Flange		壳体 壳高 L mm	手动 Hand-operated				齿轮传动 Geared driving			气动/液动 Air-operating and Hydraulic driving			电动 Electric driving device			电动装置 Electric driving device		带导流孔 No. with hole type	带导流孔 Diversion hole type
		GB	API		L ₁	H ₁	H ₂	D ₀	B	B ₁	B ₀	P	P ₁	P ₀	E	E ₁	E ₀	H ₀	H		
50	2	300	368	368	473	325	300	525	450	310	BA-0	548	450	250	647	560	500	SMC-03	108	158	
65	2 1/2	340	419	419	570	435	300	585	490	310	BA-0	665	580	300	702	610	500	SMC-03	125	190	
80	3	350	381	381	630	445	350	635	530	310	BA-0	750	650	350	752	650	305	SMC-00	145	225	
100	4	430	457	457	725	515	350	800	680	310	BA-0	875	745	400	850	720	305	SMC-00	165	255	
150	6	500	610	610	915	640	400	985	830	310	BA-1	1140	940	500	1135	950	305	SMC-0	220	330	
200	8	550	737	737	1150	800	500	1250	1030	460	BA-1	1450	1180	550	1403	1130	305	SMC-0	280	410	
250	10	650	838	838	1415	1055	500	1420	1140	460	BA-1	179	1485	600	1575	1280	305	SMC-1	330	490	
300	12	775	965	965	1595	1165	600	1800	1230	460	BA-2	2045	1635	700	1750	1410	305	SMC-1	380	570	



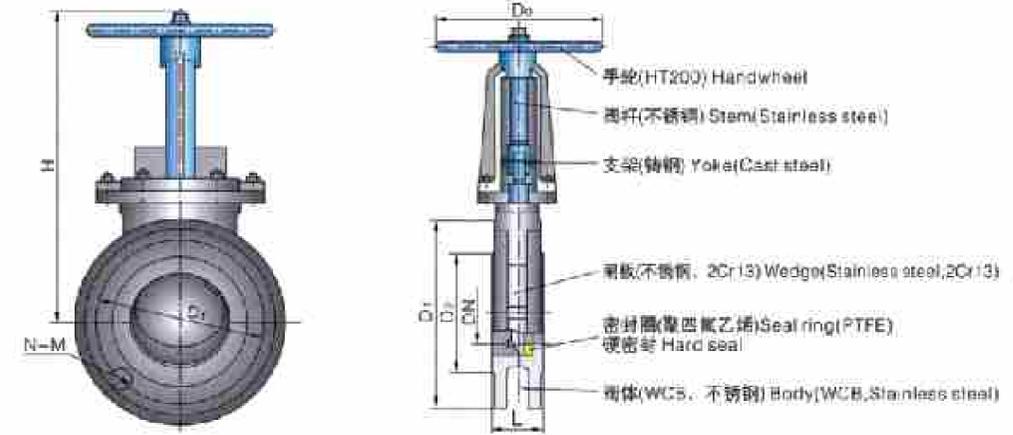
刀形闸阀 Knife gate valve

零件材质说明 Specification of parts material

序号 No.	零件名称 Part Name	材质说明 Material specification	
		名称 Name	牌号 Brand number
1	螺母 Nut	优质碳素钢 Quality carbon steel	25
2	手轮 Handwheel	可锻铸铁 Gray cast iron	KT350-10
3	轴承压盖 Retaining nut	优质碳素钢 Quality carbon steel	35
4	轴衬螺母 Stem nut	铝青铜 Aluminium bronze	ZCAl9Mn2, ZCuAl3Fe4NiMn2 ZCuzn25Al3Fe3Mn3
5	轴承 Bearing	-	61110
6	阀杆 Stem	不锈钢 stainless steel	304, 316, 20Cr13, 321L, 316L
7	支架 Yoke	碳素钢, 不锈钢 Carbon steel, stainless steel	35, WCB, CF8等
8	闸板 Wedge	不锈钢 Stainless steel	304, 316, 304L, 316L, 20Cr13
9	螺栓螺母 Bolted nut	优质碳素钢 Quality carbon steel	35, 35CrMo, 304, 316
10	填料压盖 Packing gland	碳素钢 Carbon steel	WCB, CF8, CF8M, CF3, CF3M
11	填料 Packing	柔性石墨编组 Flexible graphite coils 石棉编组 Asbestos coils 增强纤维编组 Strengthened fiber	-
12	阀体 Body	碳素钢, 不锈钢 Carbon steel, stainless steel	WCB, CF8(304), CF3(304L), CF8M(316), CF3M(316L)
13	阀体密封面 Valve sealing surface	合金钢, 硬质合金, 氟塑料, 橡胶 Alloy steel, carbide, fluorine plastics, rubber	13Cr, STC8, RPTFE, NBR, EPDM, FDM



PZ43 $\frac{X}{H}$ $\frac{1.0}{1.6}$ 手动刀形闸阀 Manual knife gate valve



产品性能 Products performance specification

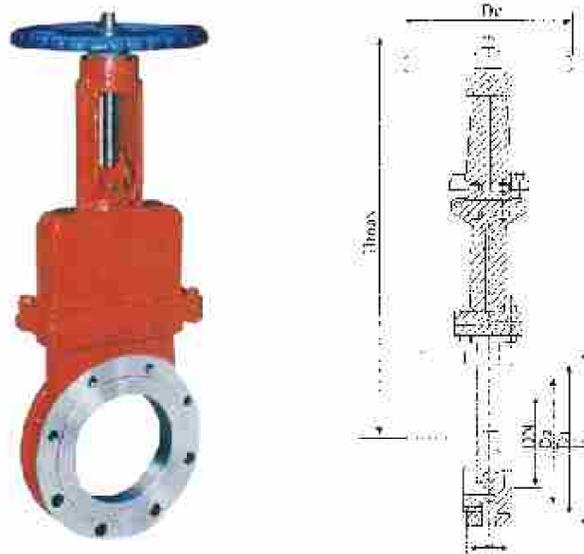
公称压力 (MPa)	试验压力 (MPa) Test pressure		工作温度 (°C) Working temperature		适用介质 Applicable medium
	壳体 Shell	密封 Seal	橡胶 (Rubber) ≤80°C	PTFE ≤150°C	
1.0	1.5	1.1	橡胶 (Rubber) ≤80°C	PTFE ≤150°C	砂浆, 纸浆, 污水, 煤炭, 灰, 渣浆混合物 Mortar Mixture, Sludge with water proportion
1.6	2.4	1.8	橡胶 (Rubber) ≤25°C	PTFE ≤150°C	

主要零件材料 Major parts material form

阀体, 壳体 Body, Shell	闸板 Wedge	阀杆 Stem	密封件 Sealing
不锈钢, 碳钢, 铸铁 Stainless steel, Carbon steel, Cast iron	不锈钢 Stainless steel	不锈钢 Stainless steel	橡胶, 四氟, 不锈钢, 硬质合金 Rubber, F4, Stainless steel, Hard alloy

主要外形尺寸及重量 Main size of outside & weight

公称压力 (MPa)	公称口径 (mm)	尺寸 (mm)							重量 (kg)
		L	B	D ₁	H	N-M	D ₂		
1.0	50	50	130	125	100	285	4-M16	180	6
	65	50	130	145	120	298	4-M16	180	10
	80	50	135	160	135	315	4-M16	220	12
	100	50	215	160	165	365	8-M16	220	14
	125	50	245	210	185	400	8-M16	230	22
	150	60	290	240	210	475	8-M20	280	29
	200	60	335	295	265	540	8-M20	360	38
	250	70	390	350	320	630	12-M20	360	56
	300	80	440	400	368	780	12-M20	400	100
	350	90	500	460	428	885	16-M20	400	115
	400	100	565	515	482	990	16-M22	400	195
	450	120	615	565	532	1100	20-M22	530	255
	500	130	670	620	585	1230	20-M22	530	360
	600	140	790	725	685	1450	20-M27	600	520
700	155	895	840	800	1700	24-M27	600	790	
1.6	60	130	1010	350	305	2000	24-M30	680	-
	800	200	1110	1050	1005	2500	28-M30	880	-
	50	50	130	125	95	285	4-M16	180	5.5
	65	50	135	145	120	295	4-M16	180	10.7
	80	50	200	160	135	315	8-M16	220	13
	100	50	220	180	155	365	8-M16	220	15
	125	50	250	210	185	400	8-M16	230	23.5
	150	60	285	240	210	475	8-M20	280	31
	200	60	340	295	265	540	12-M20	360	40.7
	250	70	435	355	310	630	12-M24	360	70
	300	80	480	410	375	780	12-M24	400	107
	350	90	570	470	435	885	16-M24	400	129
	400	100	630	525	485	990	16-M27	400	215
	450	120	640	585	555	1100	20-M27	530	305
500	130	715	660	609	1200	20-M30	530	410	
600	140	840	770	720	1450	20-M33	600	560	
700	155	910	840	788	1700	24-M33	600	820	
800	180	1025	960	888	2000	24-M36	680	-	
900	210	1125	1050	968	2500	28-M36	680	-	



产品特点

该产品驱动部分采用多回转电动装置，用以驱动和控制闸门的开启和关闭，操作人员可以在控制室内远距离对阀门进行控制，也可以现场手动操作，也可以与计算机配合实现计算机自动控制。广泛应用于钢铁、供热、电站、化工、食品、造纸、制药、煤炭等行业的水、渣浆处理与污水管道中，满足了现代化、生产的自动化的要求。

主要性能规范

公称压力 (MPa)	试验压力 (MPa)		工作温度 (°C)	使用介质
	流态	密封		
1.0	1.5	1.1	液体 ≤ 80°C、120°C (Y/F) ≤ 225°C、PIF ≤ 180°C	空气、矿浆、污水、 煤浆、泥浆、渣水混合物
1.6	2.4	1.76		

性能特点

- 1、闸板密封面，在升降过程中可刮除密封面上的粘着物，自动清除杂质。
- 2、不锈钢闸板可防止腐蚀引起的密封泄漏。
- 3、整体的不锈钢衬套，可防止闸板损坏。
- 4、双密封结构，可节省材料，安装空间，也有双支撑管理程度。
- 5、科学的二密封填料面设计，使二密封安全有效，经久耐用。
- 6、三角密封支撑节套材料，保证足够的力学性能。
- 7、不锈钢轴杆经淬硬处理。
- 8、可任意选用驱动机构。（为了操作方便可任意调整360°）
- 9、刀型闸板可作为调节使用。
- 10、阀体上的导向块使闸板正确运动，挤压块保证闸板有效密封。
- 11、阀体衬套面设计提高阀体速度。

主要零部件材质

阀、盖	闸板	密封	密封面
不锈钢、碳钢、灰铸铁	碳钢、不锈钢 (可离子氧化、Hcr65)	不锈钢	橡胶、石墨、不锈钢、硬质合金

主要外形尺寸及连接尺寸

公称压力 PN(MPa)	公称口径 DN(mm)	D		D1		D2		N-M		D0	H	
		1.0	1.6	1.0	1.6	1.0	1.6	1.0	1.6			
1.0 1.6	50	50	160	160	125	125	100	100	4-M16	4-M16	180	315
	65	50	180	160	145	145	120	120	4-M16	4-M16	160	320
	80	50	195	195	160	160	135	135	4-M16	4-M16	220	350
	100	50	215	215	180	180	155	155	6-M16	6-M16	240	370
	125	55	245	245	210	210	185	185	8-M16	8-M16	260	480
	150	50	280	260	240	240	210	210	8-M20	8-M20	280	550
	200	60	335	335	295	295	265	265	8-M20	8-M20	360	610
	250	70	390	405	350	350	320	320	12-M20	12-M22	360	700
	300	80	440	460	400	410	368	375	12-M20	12-M22	400	830
	350	92	500	520	450	470	428	438	16-M20	16-M22	400	980
	400	100	565	580	515	525	482	485	16-M22	16-M27	400	1130
	450	120	615	640	565	585	532	515	20-M22	20-M27	550	1205
	500	120	670	705	620	650	585	568	20-M22	20-M30	550	1315
	600	120	780	840	725	770	685	718	20-M27	20-M36	550	1585
	700	120	895	910	840	840	798	798	24-M27	24-M33	600	1812
	800	140	1010	1025	950	950	901	901	24-M30	24-M36	600	2110
900	140	1110	1125	1050	1050	1001	1001	28-M30	28-M36	600	2425	

产品安装说明

- 1、用户在安装阀门前，必须按阀门型号连接尺寸，设计管路及流量，保证符合要求。
- 2、用户在安装阀门时，必须预留阀门驱动的必需空间，如：驱动装置的接线或按线路图进行。
- 3、阀门必须定期保养，不得随意堵塞及挤压，以免影响密封。
- 4、对夹密封型（止水型）和阀门内径要一致，不要大于阀门内径。
- 5、安装前要检查闸板和管端是否有杂物，要清除干净。
- 6、升降前将螺母、轴杆等要刷上防锈油，并涂油，涂油后可升降轻松。
- 7、如果阀门过紧，可调整法兰上部两端的螺栓，轻松不漏水为宜。

蝶阀系列 Butterfly valve series

蝶阀 Butterfly valve

蝶阀又称翻板阀，是一种结构简单的调节阀，可用于低压管道介质的开关控制的蝶阀是指关闭件(蝶板或蝶瓣)为圆盘，围绕阀轴旋转来达到开启与关闭的一种阀。阀门可用于控制空气、水、蒸汽、各种腐蚀性介质、泥浆、油品、液态金属和放射性介质等各种类型流体的流动。在管道上主要起切断和节流作用。蝶阀启闭件是一个圆盘形的蝶板，在阀体内绕其自身的轴线旋转，从而达到启闭或调节的目的。

Also known as butterfly flap valve, is a simple structure of the adjusting valve can be used for low pressure pipeline medium switch control butterfly valve is closed parts (valve or butterfly valve plate for the disc) around the valve axis of rotation to achieve a kind of opening and closing the valve, the valve can be used to control air, water, steam flow of steam and corrosion medium, mud, oil, metals and radioactive liquid medium of various types of fluid. The main function of cutting off and throttling in the pipeline. Butterfly valve opening and closing parts is a disc - shaped disc, in the body around its own axis of rotation, so as to achieve the purpose of opening or closing or regulation.

蝶阀是指关闭件(蝶板或蝶瓣)为圆盘，围绕阀轴旋转来达到开启与关闭的一种阀。在管道上主要起切断和节流作用。蝶阀启闭件是一个圆盘形的蝶板，在阀体内绕其自身的轴线旋转，从而达到启闭或调节的目的。蝶阀全开到全关通常是小于90°，蝶阀和球阀本身没有自锁能力，为了蝶板的定位，要在阀杆上加装蜗轮减速器，又用蜗轮蜗杆轴，不仅可以使蝶板具有自锁能力，使蝶板停在任意位置上，还能改善阀门的操作性能。

Butterfly valve is closed parts (disc or disc) for the disc, around the valve axis to achieve the opening and closing of a valve, the main role in the pipe cut off and throttle. Butterfly valve opening and closing parts is a disc - shaped disc, in the body around its own axis of rotation, so as to achieve the purpose of opening or closing or regulation. Valve fully open to fully closed is usually less than 90 DEG, butterfly and Butterfly Bar itself is not self-locking capability, in order to position the disc to install the valve stem or the worm gear reducer. Using worm gear reducer, not only can make the butterfly board with self locking ability, so that the butterfly board to stop at any position, but also to improve the operating performance of the valve.

工业专用蝶阀的特点能耐高温，适用压力范围也较高。阀门公称通径大，阀体采用碳钢制造，阀板的密封圈采用金属环代替橡胶环。大型高温蝶阀采用钢板焊接制造，主要用于高温介质的烟风道和煤气管道。

Special butterfly valve for industrial characteristics can resist high temperature and high applied pressure range, the valve nominal through large diameter, and the use of carbon steel valve manufacturers, valve plate sealing ring using the metal ring instead of rubber ring. Large high temperature butterfly valve using steel welding manufacturing, mainly used for high temperature flue gas channel and gas pipe.

结构特点 Structure characteristics

1.蝶阀具有结构简单、体积小、重量轻、材料耗用省，安装及操作、开关迅速、90°往复旋转，驱动转矩小等特点，广泛用于截断、接通、调节管路中的介质，具有良好的流体控制特性和关闭密封性能。

Butterfly valve has the advantages of simple structure, small volume, light weight, material consumption province, installation of small size, fast switching, 90 degrees to rotate to and fro, driving torque characteristics, for truncation, connected, adjusting the medium in the pipeline, with a good flow control characteristics and the closure of sealing performance.

2.蝶阀可以逆介质流动，在管道口积存液体量少。低压力下，可以实现良好的密封。调节性能好。

Butterfly valve to transport slurry, accumulation of fluid in the pipe outlet at least. Under low pressure, can achieve a good seal. Good regulation performance.

3.蝶板的流线型设计，使流体阻力损失小，可谓是一种节能型产品。

Butterfly plate of the streamline design, so that the loss of fluid resistance is small, it can be described as a kind of energy-saving products.

4.阀杆为通杆结构，经过调质处理，有良好的综合力学性能和抗腐蚀性，抗磨伤性。蝶阀启闭时阀杆只作旋转运动而不作升降运行，阀杆的密封不易损坏，密封可靠。与蝶板锥销固定，外伸端为防冲山型设计，以免在阀杆与蝶板连接处意外断裂时物料喷出。

Stem is the structure of the through rod, after tempering treatment, it has good comprehensive mechanical properties and corrosion resistance, scratch resistance. When the butterfly valve open and close the valve stem only for rotary movement and not for lifting operation, the stem pecking is not easy to damage, sealing reliability. With the butterfly plate cone pin fixed, extended end to prevent out of design, in order to avoid the junction of stem end disc rupture accident when stem collapse.

5.连接方式有法兰连接、对夹连接、对焊连接及凸耳对夹连接。

Connections are flanged, wafer connections, welded connectors and lugs on the clip connection.





优点 Advantage

- 1.启闭方便迅速、省力、流体阻力小，可以经常操作。
The opening and closing is convenient and rapid, labor saving, small fluid resistance, and can be operated regularly.
- 2.结构简单，外形尺寸小，结构长度短，体积小，重量轻，适用于大口径的阀门。
Simple structure, small size, short structure, small size, light weight, suitable for large diameter valves.
- 3.可以防止堵塞，在管道口积存液体最少。
Can carry mud accumulation of fluid in the pipe outlet at least.
- 4.低压下，可以实现良好的密封。
Under low pressure, can achieve a good seal.
- 5.调节性能好。
Good regulation performance.
- 6.全开时阀座通道有效流通面积较大，流体阻力较小。
Fully open when the effective flow area of the valve seat channel fluid resistance is small.
- 7.启闭力矩较小，由于蝶板两侧受力介质的作用基本相等，而产生转矩的方向相反，因而启闭较省力。
The opening and closing torque is small, because the two sides of the rotating shaft are basically equal to the medium function, and the direction of the torque is opposite, so the opening and closing are labor saving.
- 8.密封面材料一般采用橡胶、塑料，故低压密封性能好。
The sealing surface material is generally used in rubber, plastic, so the low pressure sealing performance is good.
- 9.安装方便。
Convenient installation.
- 10.操作灵活省力，可选择手动、电动、气动、液动方式。
Operating flexibility: can choose manual, electric, pneumatic, hydraulic mode.

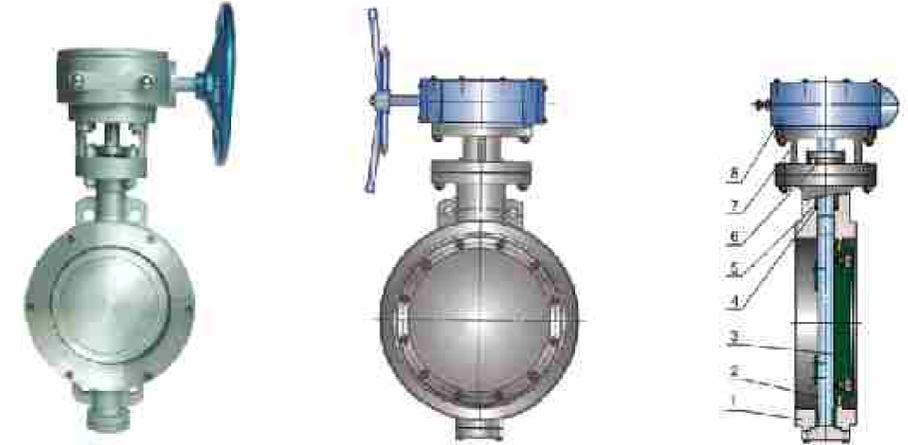
缺点 Shortcoming

- 1.使用压力和工作温度范围小。
Use pressure and working temperature range is small.
 - 2.密封性较差。
Poor sealing performance.
- 蝶阀按结构形式可分为偏置板式、垂直板式、斜板式和杠杆式。按密封形式可分为软密封型和硬密封型两种。软密封型一般采用橡胶环密封，硬密封型通常采用金属环密封。
- According to the structural form can be divided into of sser plate, vertical plate, inclined plate type and lever type. Two types of soft and hard seating can be sealed by sealing. Soft seal generally use the rubber ring seal, hard seal is generally used metal ring seal.

适用公称规格DN40~2400mm(NPS1.5~96英寸)；公称压力PN 0.25~16.0MPa(Class150~2500)；工作温度-320.8~1112℃ (-196~600℃)。

For nominal diameter DN400~2400mm(NPS1.5~96英寸), Nominal pressure PN0.25~16.0MPa(Class150~2500), Operating temperature -320.8~1112℃ (-196~600℃)。

设计制造标准API609、BSS155、MSS-SP-67、MSS-SP-68、JIS B 2032、GB/T12238、JB/T8527等。
Design and manufacturing standards API 609, BSS 155, MSS-SP-67, MSS-SP-68, JIS B 2032, GB/T12238, JB/T8527 etc.



产品采用标准 Technical specification

结构形式 Structural form	单偏心/双偏心/三偏心/变偏心 Single eccentric structure/ Double eccentric structure/ Three eccentric structure/ Variable eccentric structure	
设计依据 Design reference	GB	API
驱动方式 Driving manner	手动、蜗轮蜗杆传动、气动、电动 Hand-operated, worm wheel & worm screw pneumatic operated, Electric-driving	
设计标准 Design standard	GB/T 12238 JB/T8527	API609, MSS SP-68, BS 5738
结构长度 Face to face	GB/T 12221	ASME B16.10, API608, MSS SP-68
连接法兰 Flanged ends	GB/T 17241.6, GB/T 9113, HG/T 20592, HG20615, HG20623	ASME B16.5, ASME B16.47
试验和检验 Test/inspector	GB/T 13497, JB/T 9097	API 598

注：阀门连接法兰及对接焊缝尺寸可根据用户要求设计制造。
Note: The size of valve connecting flange and butt-welding joints can be designed according to customer's requirement.

产品主要参数 Main parameters of product

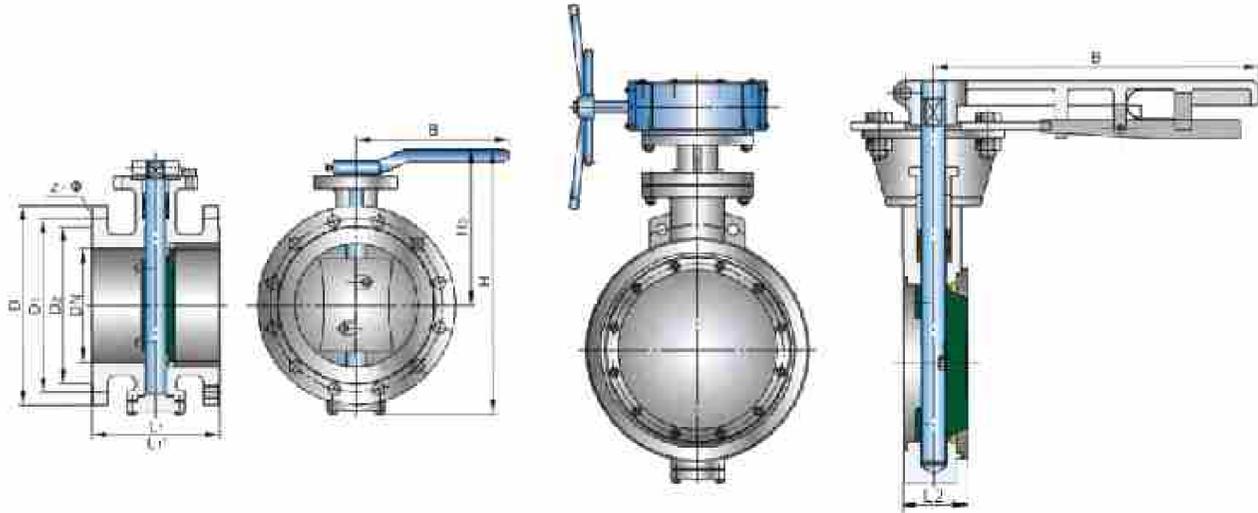
基本型号 Basic model	D1071X9, D1071X6, D1071X5, D1071X4, D1071X3, D1071X2, D1071X1, D1071X0, D1071X9, D1071X8, D1071X7, D1071X6, D1071X5, D1071X4, D1071X3, D1071X2, D1071X1, D1071X0, D1071X9, D1071X8, D1071X7, D1071X6, D1071X5, D1071X4, D1071X3, D1071X2, D1071X1, D1071X0
压力等级 Pressure range	PN0.25~16.0MPa
口径范围 Port range	DN40~2400mm(NPS1.5~96英寸)

注：D-快开

压力等级 Pressure class	额定试验压力(MPa) Rated test pressure(MPa)			适用温度 Applicable temperature	适用介质 Applicable medium	压力等级 Pressure class	额定试验压力(MPa) Rated test pressure(MPa)			适用温度 Applicable temperature	适用介质 Applicable medium
	壳体试验 Shell test	密封试验 Seal test	操作试验 Operation test				壳体试验 Shell test	密封试验 Seal test	操作试验 Operation test		
公称压力 Nominal pressure (MPa)	0.25	0.375	0.275	-196~600℃	水、油、蒸汽、酸、碱、氨、水、悬浮物性、和低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistant and low temperature medium	Class (Lb) Pair (L) (Class)	150	3.00	2.20	-196~600℃	水、油、蒸汽、酸、碱、氨、水、悬浮物性、和低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistant and low temperature medium
	0.4	0.60	0.44				300	7.50	5.50		
	0.6	0.90	0.66				400	9.45	6.93		
	1.0	1.50	1.10				800	18.90	13.86		
	1.6	2.40	1.76				800	21.00	15.40		
	2.5	3.75	2.75				900	22.50	16.50		
	4.0	6.00	4.40								
6.4	9.6	7.04									
10.0	15.00	11.00									
16.0	24.00	17.60									



手动蝶阀 Manual operated butterfly valve



主要外形尺寸 Main size of outside
型号 Model D4172/3, 4, 5/FIX, H, W, Y

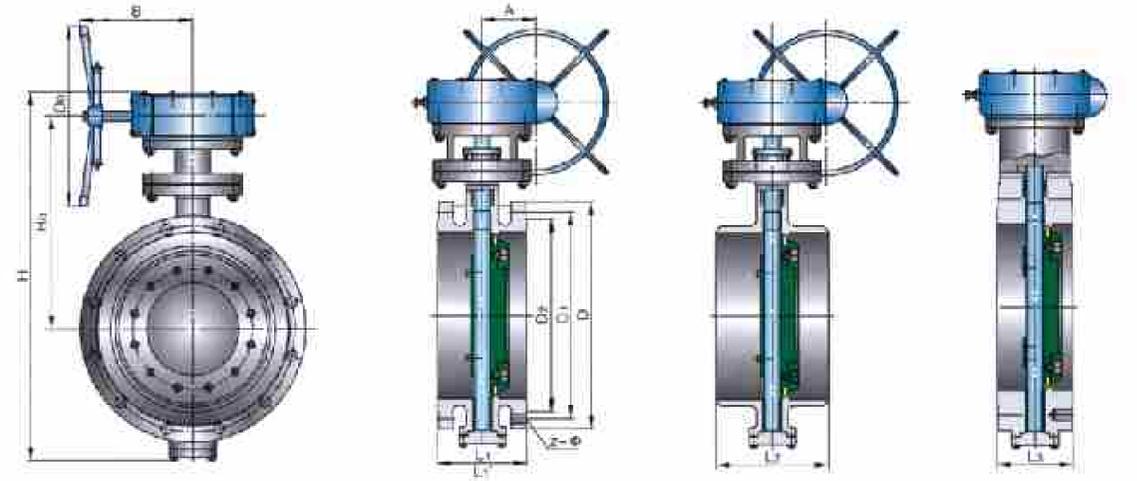
PN (MPa)	DN (mm)	尺寸 Dimensions (mm)						PN (MPa)	DN (mm)	尺寸 Dimensions (mm)					
		短系列 Short series	长系列 Long series	L ₁	H ₁	H	R			L ₁	L ₂	H ₁	H	B	
1.0	40	106	140	33	155	209	150	2.5	40	106	140	33	155	206	180
	50	108	150	43	160	225	200		50	108	150	43	160	225	200
	65	112	170	46	175	250	230		65	112	170	46	175	265	230
	80	114	180	49	190	260	250		80	114	180	49	190	275	250
	100	127	190	56	195	295	270		100	127	190	56	205	310	270
	125	140	200	64	215	300	300		125	140	200	64	220	327	300
1.6	150	140	210	70	225	355	350	150	140	210	70	235	374	350	
	40	106	140	33	155	209	150	4.0	40	106	140	33	155	206	180
	50	108	150	43	160	225	200		50	108	150	43	160	225	200
	65	112	170	46	175	250	230		65	112	170	46	175	265	230
	80	114	180	49	190	260	250		80	114	180	49	190	275	270
	100	127	190	56	195	295	270		100	127	190	56	205	310	300
125	140	200	64	215	300	300	125		140	200	64	220	327	350	
150	140	210	70	225	355	350	150	140	210	70	235	374	380		

主要外形尺寸 Main size of outside
型号 Model D4172/3, 4, 5/FIX, H, W, Y

Class	NPS (in)	尺寸 Dimensions (mm)					Class	NPS (in)	尺寸 Dimensions (mm)				
		L ₁	L ₂	H ₁	H	B			L ₁	L ₂	H ₁	H	B
150	3	114	48	137	262	250	300	3	114	48	133	258	230
	4	127	54	203	308	270		4	127	54	203	310	320
	5	140	56	215	324	300		5	140	56	225	352	350
	6	140	57	224	354	350		6	140	59	235	354	380



蜗轮传动蝶阀 Worm wheel operated butterfly valve

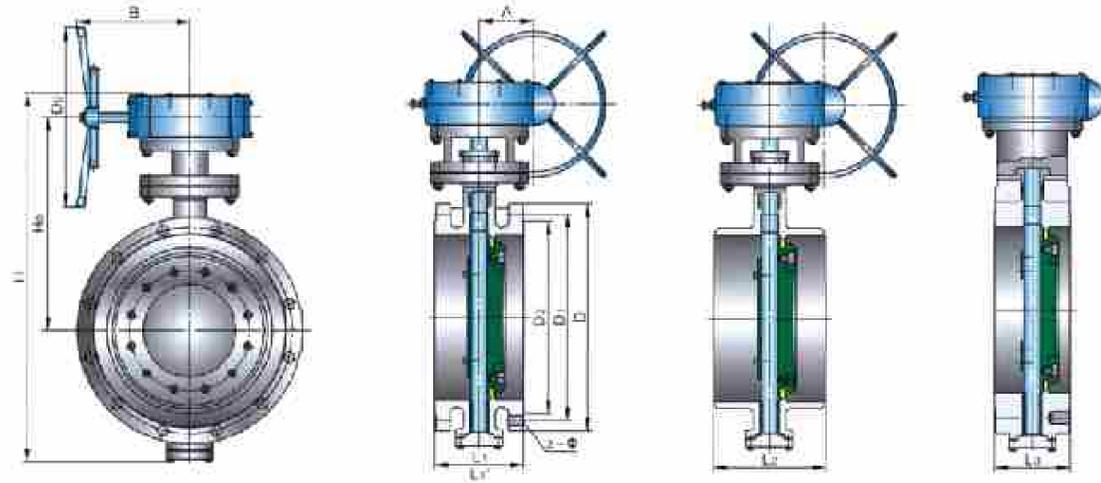


主要外形尺寸 Main size of outside
型号 Model D346, 72/3, 4, 5/FIX, H, W, Y

DN (mm)	尺寸 Dimensions (mm)										蜗轮蜗杆类型 Worm design
	L ₁ 短系列 Short series	L ₂ 长系列 Long series	L ₁	L ₂	H ₁	H	A	B	Do		
65	112	170	170	46	150	290	63	140	180	O型	
80	114	180	180	40	100	320	63	140	180	O型	
100	127	190	190	56	139	372	63	140	240	A型	
150	140	210	210	70	248	418	63	140	240	A型	
200	152	230	230	71	298	470	84	170	300	B型	
250	165	250	250	75	328	535	84	170	300	B型	
300	178	270	270	93	365	608	108	200	400	C型	
350	190	290	290	92	408	685	108	200	400	C型	
400	216	310	310	102	448	765	128	240	400	C型	
450	222	330	330	114	475	815	152	240	600	D型	
500	229	350	350	127	525	905	158	300	600	D型	
600	287	390	390	154	610	1050	320	192	600	D型	
700	292	430	430	165	735	1276	232	192	350	DA型	
800	318	470	470	190	827	1294	237	165	350	DA型	
900	330	510	510	200	855	1600	237	165	350	DA型	
1000	410	550	550	216	948	1620	235	30	450	DB型	
1200	470	630	630	254	1165	2135	235	30	450	DB型	
1400	530	710	710	279	1310	2515	235	30	450	DB型	
1600	600	790	790	315	1440	2675	235	30	450	DB型	
1800	670	870	870	350	1580	2920	235	30	600	DC型	
2000	750	950	950	406	1775	3170	235	30	600	DC型	
2200	780	1000	1000	-	1845	3415	235	30	600	DC型	
2400	750	1100	1100	-	1972	3670	235	30	600	DC型	
2600	780	1200	1200	-	2100	3830	235	30	600	DB型	
2800	780	1300	1300	-	2235	4100	235	30	600	DB型	
3000	780	1400	1400	-	2370	4390	235	30	600	DB型	



蜗轮传动蝶阀 Worm wheel operated butterfly valve

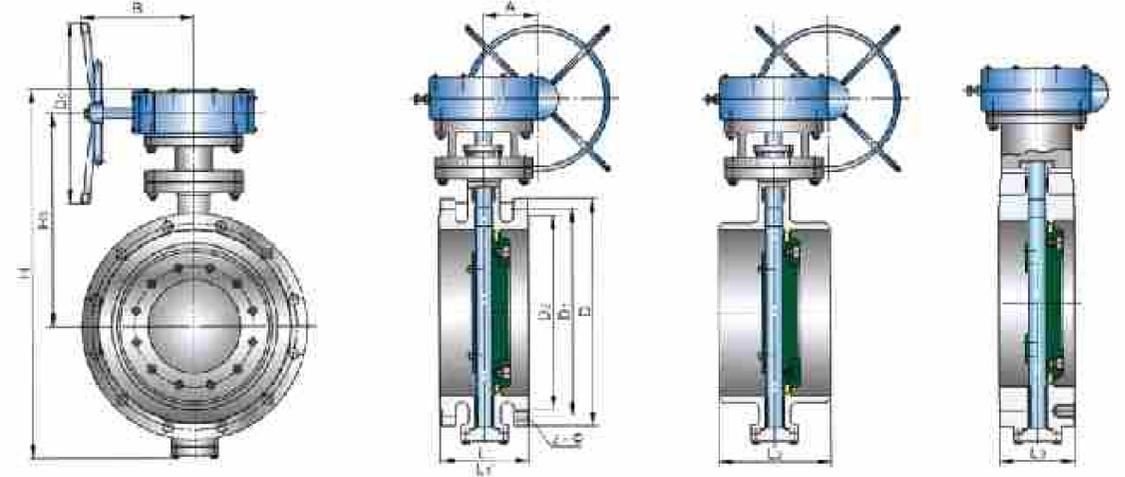


主要外形尺寸 Main size of outside
型号 Model: D346、7123、4、5(FX)、H、W、Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)									蜗轮蜗杆装置 Worm device
		短系列 Short series	长系列 Long series	L	L ₁	H ₀	H	A	B	D ₀	
1.6	65	112	170	170	46	176	290	140	63	160	C型
	80	112	180	180	49	155	320	110	63	160	C型
	100	127	190	190	56	195	342	140	63	160	C型
	125	140	200	200	64	259	365	140	63	300	A型
	150	140	210	210	70	243	415	140	63	300	A型
	200	152	230	230	77	253	510	150	64	400	B型
	250	185	260	260	76	236	567	150	64	400	B型
	300	178	270	270	83	342	665	200	108	600	C型
	350	190	290	290	92	336	739	200	108	600	C型
	400	216	310	310	102	430	826	240	152	600	C型
	450	222	350	330	114	458	910	240	152	800	D型
	500	229	350	350	127	500	990	300	165	800	D型
	600	267	390	390	154	618	1210	320	182	800	D型
	700	292	430	430	165	745	1475	337	136	400	DA型
	800	318	470	470	190	810	1630	337	136	400	DA型
	900	330	510	510	200	1000	1670	395	30	400	DA型
	1000	410	550	550	216	1065	2000	395	30	600	DB型
	1200	470	630	630	254	1170	2215	395	30	600	DB型
	1400	530	710	710	270	1300	2430	685	50	600	DC型
	1600	600	700	790	316	1443	2700	685	50	600	DC型
1800	670	870	870	356	1505	2938	685	50	600	DD型	
2000	780	960	880	406	1743	3210	685	50	800	DD型	



蜗轮传动蝶阀 Worm wheel operated butterfly valve

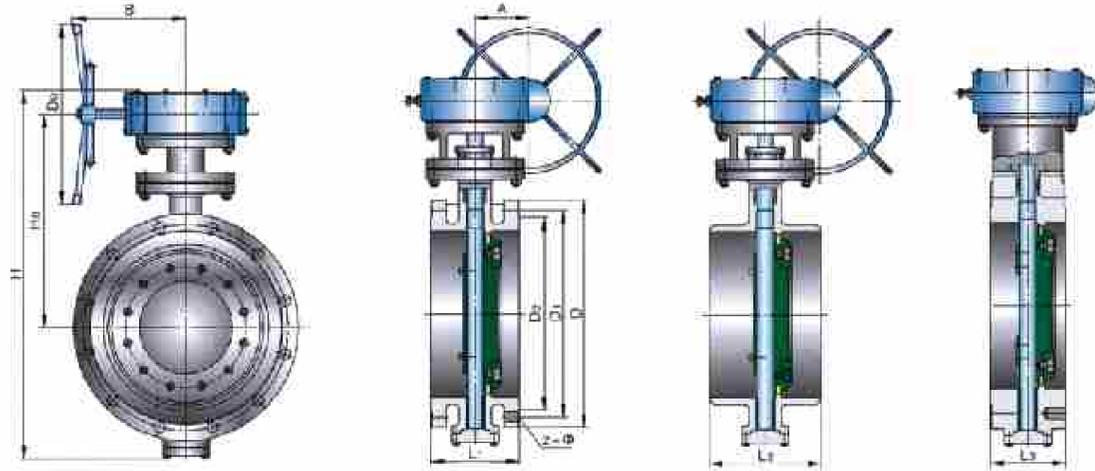


主要外形尺寸 Main size of outside
型号 Model: D346、7123、4、5(FX)、H、W、Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)									蜗轮蜗杆装置 Worm device
		短系列 Short series	长系列 Long series	L	L ₁	H ₀	H	A	B	D ₀	
2.5	80	114	180	150	49	185	320	140	63	160	C型
	100	127	190	190	68	200	360	140	63	300	A型
	125	140	200	200	64	210	375	140	63	300	A型
	150	140	210	210	70	245	426	140	63	400	B型
	200	152	230	230	71	270	526	150	64	400	B型
	250	185	260	250	76	302	590	150	64	600	C型
	300	178	270	270	83	350	696	200	108	600	C型
	350	190	290	290	92	420	780	240	108	600	C型
	400	216	310	310	102	435	878	240	128	800	D型
	450	222	330	330	114	475	943	300	152	800	D型
	500	229	350	350	127	550	1079	320	168	800	D型
	600	267	390	390	154	675	1352	337	192	400	DA型
	700	292	430	430	165	759	1496	337	136	400	DA型
	800	318	470	470	190	835	1640	337	136	400	DA型
	900	330	510	510	203	888	1756	395	30	600	DB型
	1000	410	550	550	216	945	1935	395	30	600	DB型
	1200	470	630	630	254	1065	2100	665	50	800	DC型
1400	530	710	710	270	1160	2325	665	50	800	DC型	
4.0	80	114	-	150	49	245	395	140	63	300	A型
	100	127	-	190	68	205	356	140	63	400	B型
	125	140	-	200	64	213	375	140	63	400	B型
	150	140	-	210	70	250	436	150	64	600	C型
	200	152	-	230	71	275	526	150	64	600	C型
	250	185	-	250	76	315	600	200	108	600	C型
	300	178	-	270	83	365	692	200	108	800	D型
	350	190	-	290	92	409	776	240	152	800	D型
	400	216	-	310	102	443	894	300	168	800	D型
500	229	-	350	127	575	1128	320	192	400	DA型	
600	267	-	390	154	684	1257	337	192	400	DA型	



蜗轮传动蝶阀 Worm wheel operated butterfly valve

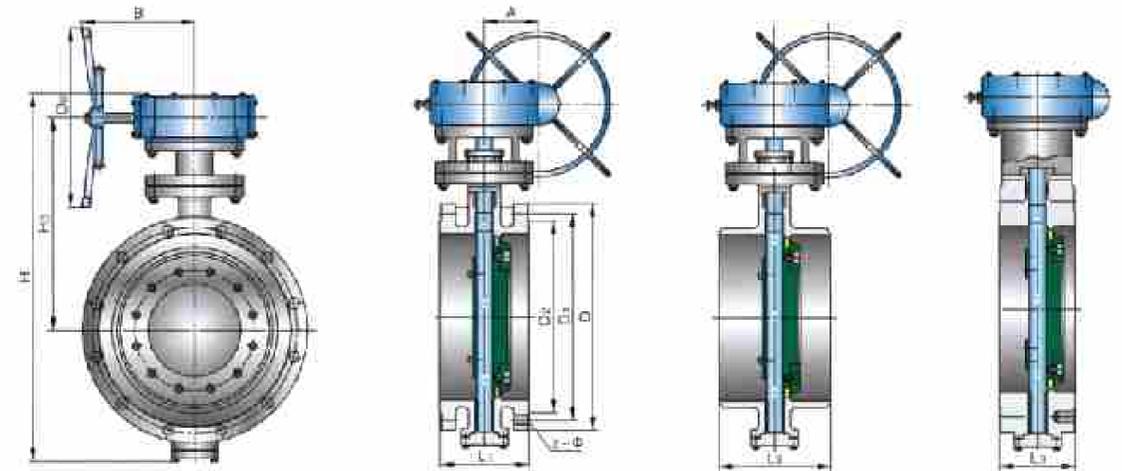


主要外形尺寸 Main size of outside
型号 Model: D3416, 71213, 4, 5(FX), H, W, Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)								蜗轮蜗杆装置 Worm device
		L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	
6.4	80	190	190	73	192	368	140	62	400	B型
	100	190	190	73	205	395	140	63	400	B型
	125	200	200	85	225	420	150	84	600	C型
	150	210	210	100	255	498	200	108	600	C型
	200	230	230	116	292	540	240	152	800	C型
	250	250	250	128	329	538	300	168	800	D型
	300	270	270	150	372	726	320	192	800	D型
	350	290	290	165	418	800	168	237	800	D型
	400	310	310	175	453	890	168	237	400	DA型
	500	350	350	192	624	1158	168	237	400	DA型
	600	390	390	215	678	1580	168	237	400	DA型
10.0	80	180	180	85	253	500	140	63	400	B型
	100	190	190	90	343	596	140	63	600	C型
	125	200	200	100	395	680	200	108	600	C型
	150	210	210	120	425	730	240	152	600	C型
	200	230	230	138	449	948	300	168	800	D型
	250	250	250	152	537	1000	320	192	800	D型
	300	270	270	176	615	1145	168	237	800	D型
	350	290	290	182	673	1200	168	237	400	DA型
	400	310	310	204	614	1345	168	237	400	DA型
	500	350	350	232	548	1506	275	233	600	DB型
	600	390	390	248	599	1618	275	233	600	DB型



蜗轮传动蝶阀 Worm wheel operated butterfly valve

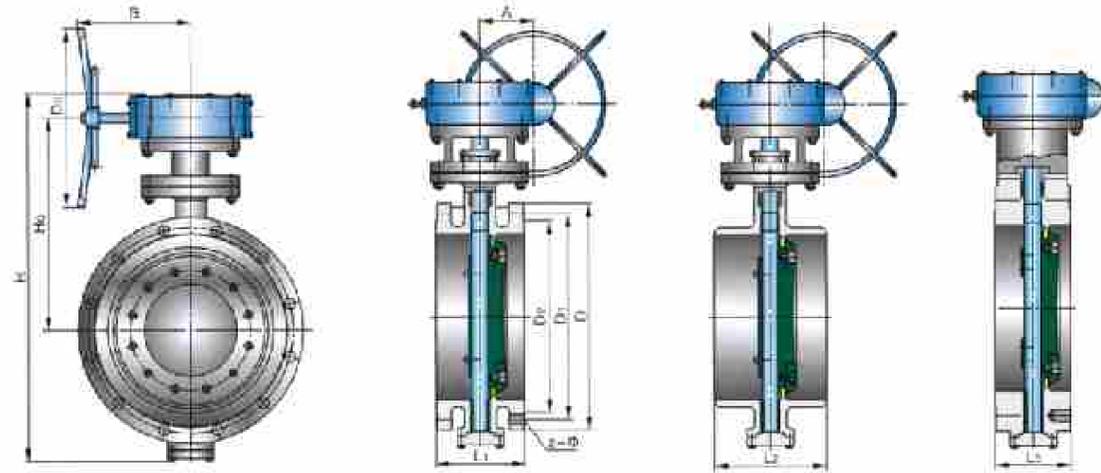


主要外形尺寸 Main size of outside
型号 Model: D3416, 71213, 4, 5(FX), H, W, Y

Class	NPS (in)	尺寸 Dimensions (mm)								蜗轮蜗杆装置 Worm device
		L	L ₁	L ₂	L ₃	L ₄	L ₅	L ₆	L ₇	
150	3	114	114	45	165	320	140	63	160	O型
	4	127	127	54	195	342	140	63	180	O型
	5	140	140	55	209	365	140	63	300	A型
	6	140	140	57	240	415	140	63	300	A型
	8	152	152	61	265	510	150	84	400	B型
	10	165	165	71	285	567	150	84	400	B型
	12	178	178	81	342	665	200	108	600	C型
	14	190	190	92	385	739	200	108	600	C型
	16	216	216	102	430	825	240	152	600	C型
	18	222	222	114	460	910	240	152	900	D型
	20	229	229	127	500	990	300	168	600	D型
	24	267	267	154	616	1210	320	192	600	D型
	28	292	292	229	746	1475	237	188	400	DA型
	32	318	318	241	810	1600	237	188	400	DA型
	34	330	330	241	870	1728	237	188	400	DA型
	40	410	410	300	965	1900	237	188	600	DB型



蜗轮传动蝶阀 Worm wheel operated butterfly valve

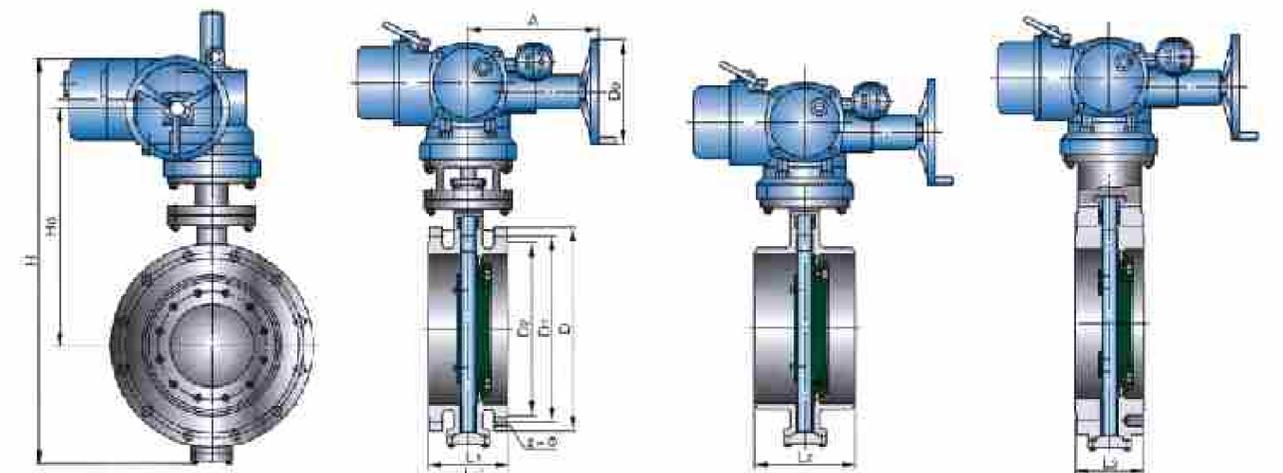


主要外形尺寸 Main size of outside
型号 Model: D3416, 71213, 4, 5(FX), H, W, Y

Class	NPS (in)	尺寸 Dimensions (mm)									蜗轮蝶阀类型 Worm device
		L	L ₁	L ₂	H ₀	H	A	B	D ₀	D ₁	
300	2	190	190	49	241	396	140	62	300	A型	
	4	190	190	54	235	355	140	62	400	B型	
	5	200	200	55	215	378	140	62	400	B型	
	6	210	210	59	260	430	150	84	600	C型	
	6	230	230	73	273	523	150	84	600	C型	
	10	250	250	83	315	600	200	108	600	D型	
	12	270	270	92	392	693	200	108	800	D型	
	14	290	290	117	405	772	240	152	800	D型	
	16	310	310	133	440	962	300	168	800	DA型	
	18	330	330	149	525	960	320	192	400	DA型	
	20	350	350	169	603	1158	368	237	400	DA型	
	24	390	390	181	603	1320	466	237	300	A型	
600	3	190	190	54	240	396	140	62	400	B型	
	4	190	190	54	240	396	140	62	600	C型	
	5	200	200	70	295	480	200	108	600	C型	
	6	210	210	78	423	730	240	152	600	C型	
	6	230	230	102	445	855	300	168	800	D型	
	10	250	250	117	538	1027	320	192	800	D型	
	12	270	270	140	614	1150	368	237	800	D型	
	14	290	290	155	674	1200	466	237	400	DA型	
16	310	310	178	823	1346	466	237	400	DA型		



电动蝶阀 Motor driven butterfly valve

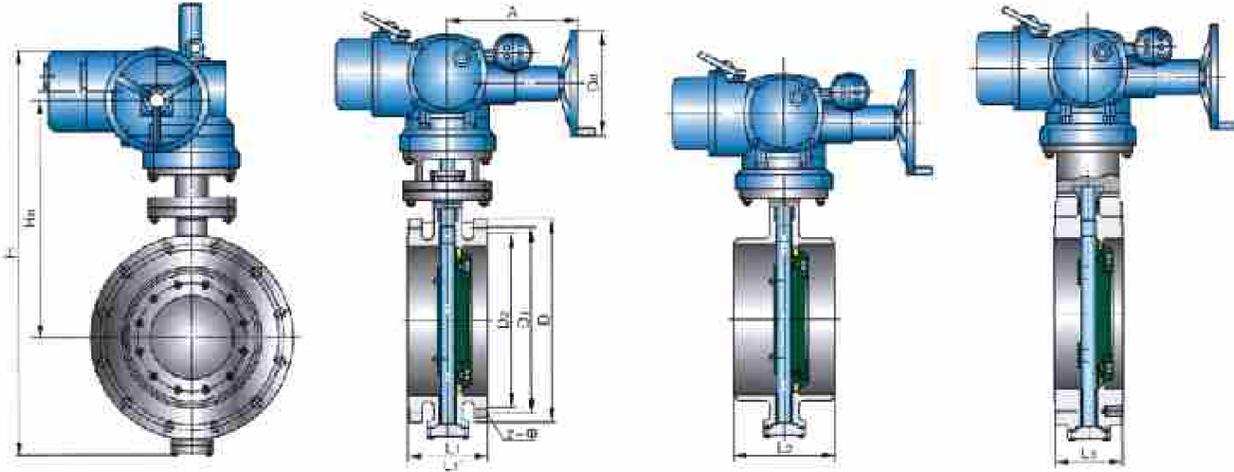


主要外形尺寸 Main size of outside
型号 Model: D9416, 71213, 4, 5(FX), H, W, Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)									电动装置 Flange style
		短颈型 Short neck	长颈型 Long neck	L	L ₁	H ₀	H	A	B	D ₀	
0.6 1.0	30	114	180	130	49	195	320	180	178	-	DZW10-1
	100	127	190	150	53	199	340	160	178	-	DZW10-1
	125	140	200	200	64	205	416	180	178	-	DZW20-1
	150	140	210	210	70	241	416	180	178	-	DZW20-1
	200	152	230	230	71	283	512	270	235	365	DZW10
	250	165	250	250	78	232	570	270	235	365	DZW10
	300	178	270	270	83	340	666	270	235	365	DZW20(I)
	350	190	290	290	87	585	746	270	235	365	DZW20(I)
	400	218	310	310	102	425	827	270	235	365	DZW20(I)
	450	227	330	330	114	462	915	270	235	365	DZW20(I)
	500	220	350	350	127	500	905	270	235	365	DZW20(I)
	600	237	390	390	154	605	1153	245	245	470	DZW63
	700	237	430	430	165	734	1450	245	245	470	DZW63
	800	218	470	470	190	803	1559	245	245	470	DZW63
	900	230	510	510	203	890	1656	240	360	560	DZW63(I)
	1000	410	550	550	216	1050	1958	240	360	560	DZW63(I)
	1200	470	630	630	257	1166	2013	240	360	560	DZW1200(I)
	1400	530	710	710	297	1312	2186	240	360	560	DZW1200(I)
1600	600	790	790	318	1436	2531	245	385	320	DZW250	
1800	670	870	870	356	1580	2786	245	385	320	DZW250	
2000	730	950	950	406	1726	3056	240	300	570	DZW500	



电动蝶阀 Motor driven butterfly valve

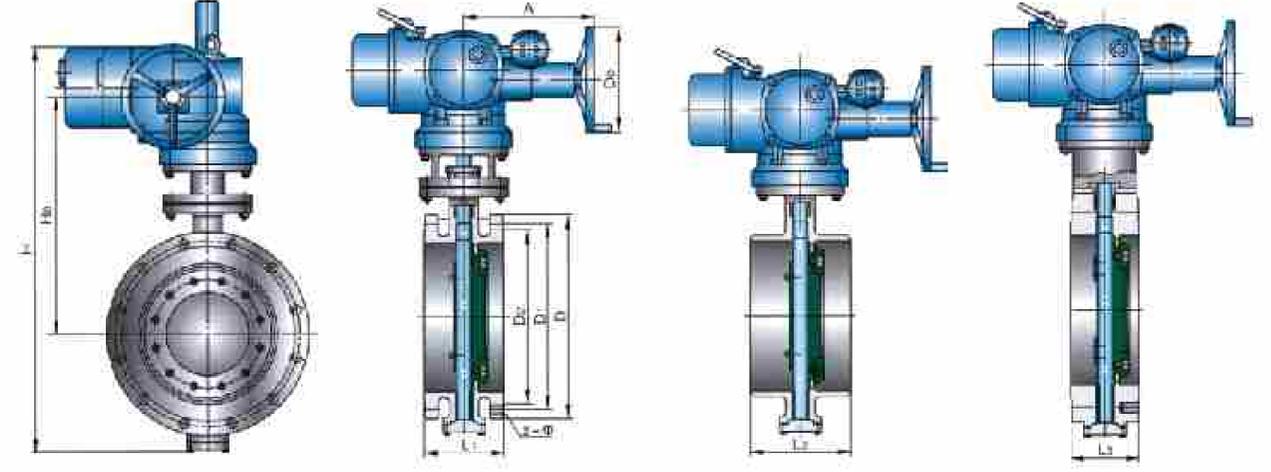


主要外形尺寸 Main size of outside
型号 Model: D0416, 7/213, 4, 5/FX, H, W, Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)									电动装置 Electric device
		L	Lb	D	D2	A	B	Do			
2.5	80	114	180	180	49	205	552	180	178	-	DQW20-1
	100	127	190	190	56	230	585	180	178	-	DQW20-1
	125	140	200	200	64	205	610	180	178	-	DQW20-1
	150	140	210	210	70	315	765	180	178	-	DQW20-1
	200	152	230	230	71	304	820	370	235	385	DZW15
	250	166	250	250	76	336	910	370	235	385	DZW15
	300	178	270	270	83	366	1000	370	235	385	DZW30(I)
	350	190	290	290	92	425	1055	370	235	385	DZW30(I)
	400	216	310	310	102	456	1108	370	235	385	DZW30(I)
	450	222	330	330	114	490	1140	370	235	385	DZW30(I)
	500	229	350	350	127	552	1238	370	235	385	DZW30(I)
	600	267	390	390	154	635	1399	515	245	470	DZW50
	700	292	430	430	165	750	1611	540	360	550	DZW30(I)
	800	318	470	470	190	820	1782	540	360	550	DZW120(I)
	900	330	510	510	205	886	1915	565	385	620	DZW250
1000	410	550	550	216	945	2040	565	365	620	DZW250	
1200	470	630	630	254	1053	2184	770	360	570	DZW300	
1400	530	710	710	297	1164	2375	794	664	500	DZW300	
4.0	80	180	-	180	49	240	530	180	178	-	DQW20-1
	100	190	-	190	56	205	555	180	178	-	DQW20-1
	125	200	-	200	64	215	582	180	178	-	DQW30-1
	150	210	-	210	70	260	600	370	235	385	DQW30(I)
	200	230	-	230	83	275	765	370	235	385	DQW30(I)
	250	250	-	250	114	315	815	370	235	385	DQW30(I)
	300	270	-	270	136	363	912	515	245	470	DQW45(I)
	350	290	-	290	126	406	983	515	245	470	DQW45(I)
	400	310	-	310	146	440	1058	515	245	470	DQW60(I)
	500	350	-	350	166	500	1215	540	360	550	DQW90
600	390	-	390	211	583	1414	540	360	550	DQW120(I)	



电动蝶阀 Motor driven butterfly valve

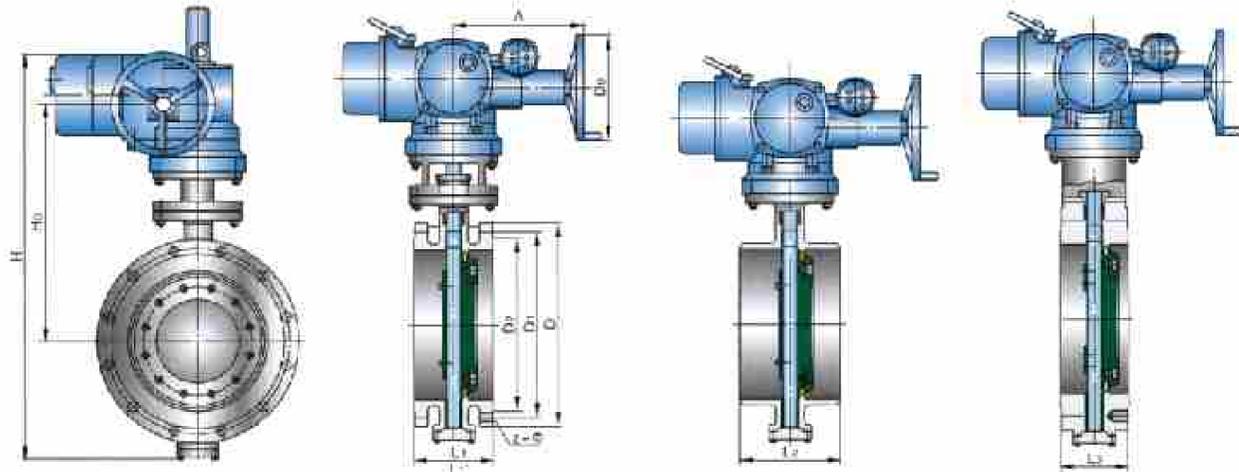


主要外形尺寸 Main size of outside
型号 Model: D0416, 7/213, 4, 5/FX, H, W, Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)									电动装置 Electric device
		L	Lb	D	D2	A	B	Do			
6.4	80	180	180	70	212	543	180	178	-	DQW20-1	
	100	190	190	76	201	578	180	178	-	DQW20-1	
	125	200	200	86	214	607	180	178	-	DQW30-1	
	150	210	210	100	250	659	370	235	385	DZW30(I)	
	200	230	230	116	235	795	370	235	385	DZW30(I)	
	250	250	250	126	325	885	370	235	385	DZW30(I)	
	300	270	270	130	375	1050	515	245	470	DZW45(I)	
	350	290	290	166	415	825	515	245	470	DZW45(I)	
	400	310	310	175	452	1205	515	245	470	DZW45(I)	
	500	350	350	182	625	1470	540	360	550	DZW80	
	600	390	390	276	675	1632	540	360	550	DZW120(I)	
10.0	80	180	180	86	108	608	180	178	-	DZW20-1	
	100	190	190	90	108	648	180	178	-	DZW20-1	
	125	200	200	100	120	692	180	178	-	DZW30-1	
	150	210	210	120	135	740	370	235	385	DQW30(I)	
	200	230	230	136	115	1058	370	235	385	DQW30(I)	
	250	250	250	152	538	1175	370	235	385	DQW30(I)	
	300	270	270	176	615	1330	515	245	470	DQW45(I)	
	350	290	290	182	675	1475	515	245	470	DQW80	
	400	310	310	204	620	1735	540	360	550	DQW90	
	500	350	350	232	948	1838	540	360	550	DQW120(I)	
600	390	390	246	998	1918	540	360	550	DQW120(I)		



电动蝶阀 Motor driven butterfly valve

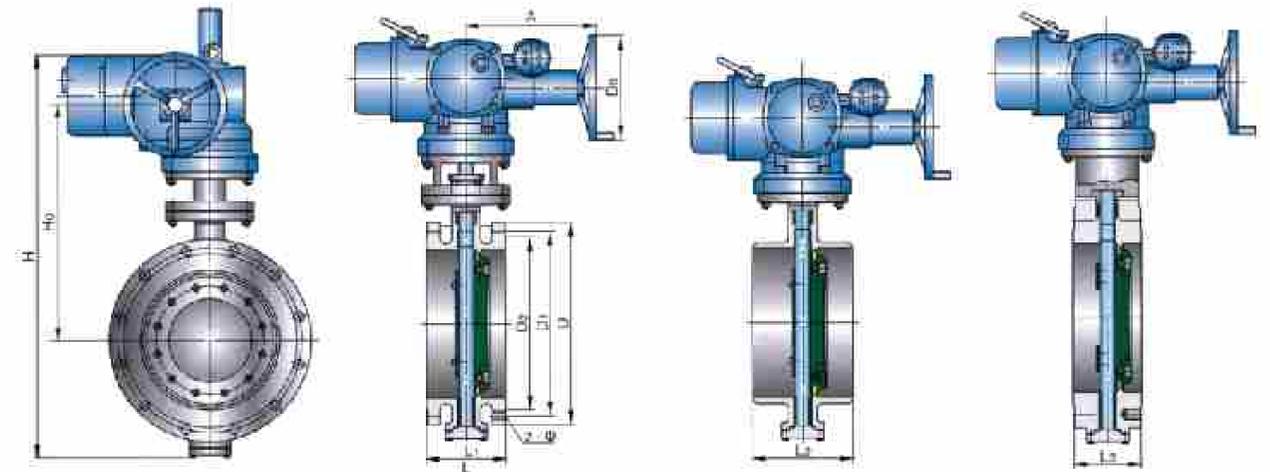


主要外形尺寸 Main size of outside
型号 Model: D946, 7123, 4, 5(FX), H, W, Y)

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)									电动装置 Electric device
		L1 短系列	L2 长系列	L3	L4	H1	H2	A	B	Do	
1.6	80	114	186	180	49	285	513	180	178	-	DQW10-1
	100	127	190	190	50	282	538	190	176	-	DQW20-1
	125	140	200	200	54	295	560	190	178	-	DQW20-1
	150	140	210	210	70	300	605	190	178	-	DQW20-1
	200	152	230	230	71	321	743	370	235	385	DZW10
	250	165	250	250	78	330	803	370	235	385	DZW10
	300	178	270	270	83	365	880	370	235	385	DZW20(I)
	350	190	290	290	92	410	960	370	235	385	DZW20(I)
	400	216	310	310	102	445	1032	370	235	385	DZW20(I)
	450	222	330	330	114	487	1118	370	235	385	DZW30(I)
	500	229	350	350	127	520	1190	370	235	385	DZW30(I)
	600	267	390	390	154	625	1390	370	235	385	DZW30(I)
	700	292	450	430	165	745	1582	515	245	470	DZW50
	800	318	470	470	190	810	1713	515	245	470	DZW50
	900	339	510	510	203	875	1870	540	360	550	DZW50(I)
	1000	410	550	550	216	940	2030	540	360	550	DZW50(I)
	1200	470	630	530	254	1060	2118	540	360	550	DZW100(I)
	1400	530	710	710	297	1325	2328	585	385	620	DZW250
	1600	600	790	790	316	1450	2550	585	365	620	DZW250
	1800	670	870	870	366	1695	2816	770	300	670	DZW500
2000	780	960	960	406	1743	3085	734	684	500	DZW300	



电动蝶阀 Motor driven butterfly valve

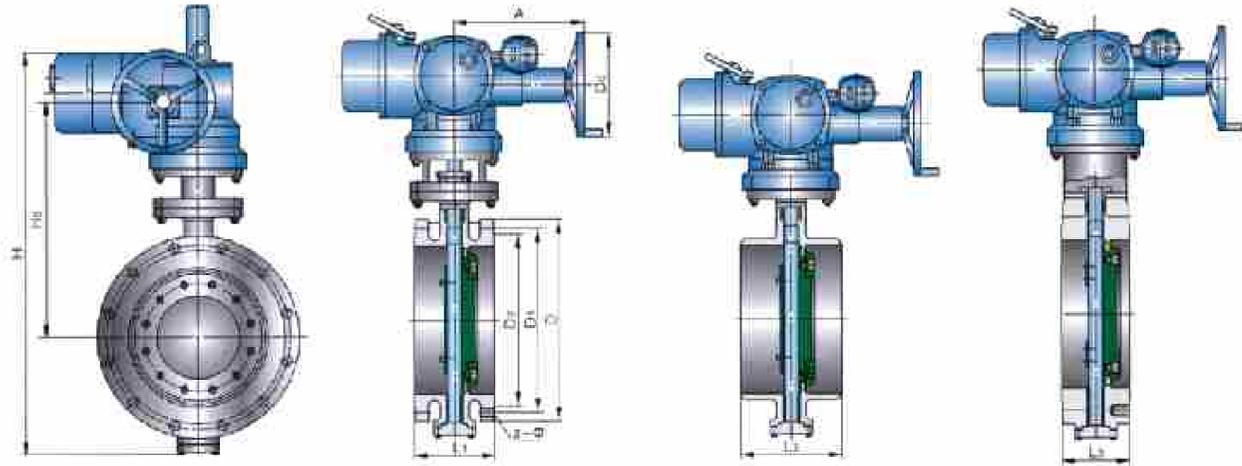


主要外形尺寸 Main size of outside
型号 Model: D946, 7123, 4, 5(FX), H, W, Y)

Class	NPS (in)	尺寸 Dimensions (mm)									电动装置 Flange device
		L1	L2	L3	L4	H1	A	B	Do		
1.6	3	114	114	45	282	513	180	178	-	DQW10-1	
	4	127	127	54	282	535	180	178	-	DQW20-1	
	5	140	140	55	295	563	180	178	-	DQW20-1	
	6	140	140	57	322	602	180	178	-	DQW20-1	
	8	152	152	61	296	745	370	235	385	DZW10	
	10	165	165	71	325	805	370	235	385	DZW10	
	12	178	178	81	365	883	370	235	385	DZW20(I)	
	14	190	190	92	408	965	370	235	385	DZW20(I)	
	16	216	216	102	443	1033	370	235	385	DZW20(I)	
	18	222	222	114	465	1120	370	235	385	DZW30(I)	
	20	229	229	127	518	1188	370	235	385	DZW30(I)	
	24	267	267	154	625	1360	370	235	385	DZW30(I)	
	28	292	292	229	745	1587	515	245	470	DZW50	
	32	318	318	241	810	1717	515	245	470	DZW50	
	34	330	330	241	872	1874	540	360	550	DZW50(I)	
	40	410	410	300	965	2080	540	360	550	DQW300	



电动蝶阀 Motor driven butterfly valve

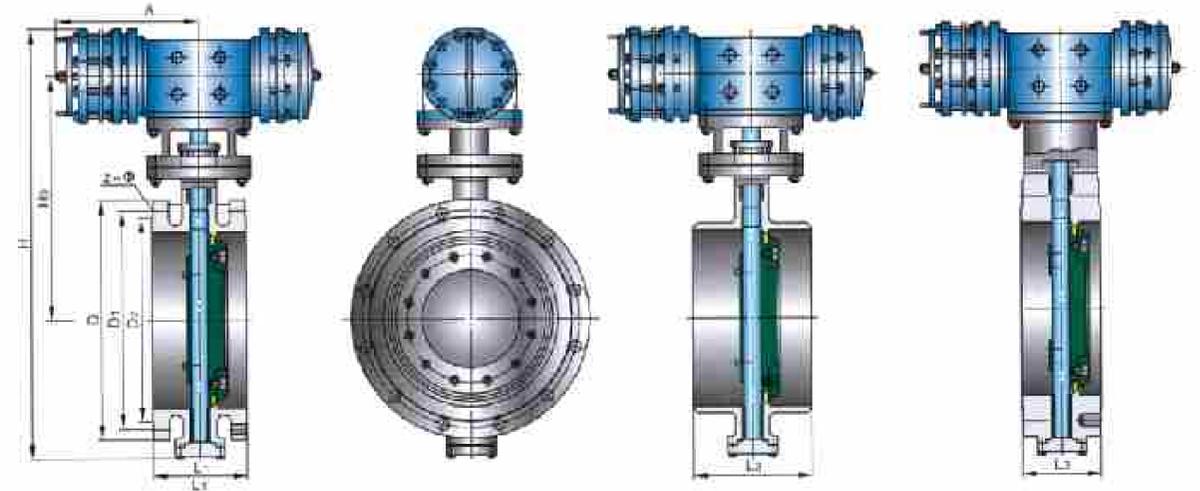


主要外形尺寸 Main size of outside
型号 Model: D946, 71213, 4, 5(FX), H, W, Y

Class	NPS (in)	尺寸 Dimensions (mm)								电动装置 Electric device
		1	2	Ex	Ho	L	A	B	Do	
300	2	190	190	49	247	530	160	178	-	DQW20-1
	4	190	190	54	234	552	160	178	-	DQW20-1
	5	200	200	55	214	580	160	178	-	DQW30-1
	6	210	210	59	253	610	180	178	-	DQW30-1
	8	230	230	73	310	755	370	235	365	DZW20(I)
	10	250	250	83	340	816	370	235	365	DZW20(I)
	12	270	270	92	390	912	370	235	365	DZW30(I)
	14	290	290	117	425	900	370	235	365	DZW30(I)
	16	310	310	133	480	1057	370	235	365	DZW30(I)
	18	330	330	149	525	1140	370	235	365	DZW30(I)
	20	350	350	169	558	1243	515	245	470	DZW60
	24	390	390	181	653	1420	540	260	550	DQW90(I)
600	2	190	190	54	138	606	160	178	-	DQW20-1
	4	190	190	54	128	650	160	178	-	DQW20-1
	5	200	200	70	120	695	160	178	-	DQW30-1
	6	210	210	78	138	743	180	178	-	DQW30-1
	8	230	230	93	442	1055	370	235	365	DZW30(I)
	10	250	250	114	532	1172	370	235	365	DZW50(I)
	12	270	270	127	613	1332	515	245	470	DZW45(I)
	14	290	290	140	674	1475	515	245	470	DZW60
16	310	310	162	823	1728	640	260	550	DQW90	



气动蝶阀 Pneumatic driven butterfly valve

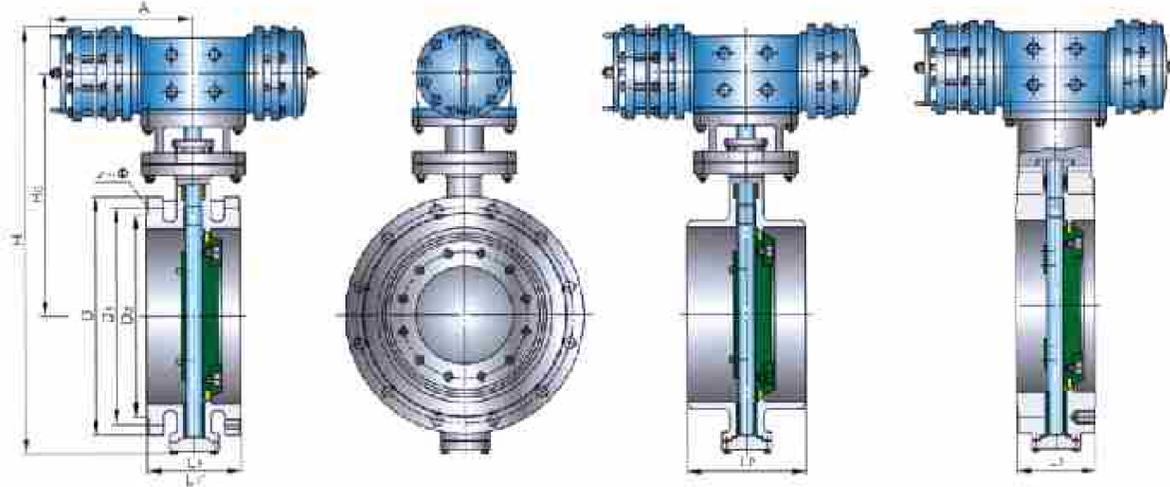


主要外形尺寸 Main size of outside
型号 Model: D846, 71213, 4, 5(FX), H, W, Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)							气动装置 Pneumatic device
		1	2	Ex	L	A	Do		
0.6	200	152	230	230	71	325	635	275	1AW13
	250	165	250	250	76	355	750	275	1AW13
	300	178	270	270	83	475	935	278	1AW17
	350	190	290	290	92	510	1000	278	1AW17
	400	210	310	310	102	590	1145	278	1AW17
	450	222	330	330	114	632	1205	530	1AW20
	500	229	350	350	127	665	1265	530	1AW20
	600	267	390	390	154	830	1526	530	1AW20
	700	292	430	430	185	903	1640	530	1AW20
	800	315	470	470	190	972	1780	590	1AW28
	900	330	510	510	203	1052	1917	590	1AW28
	1000	410	550	550	216	1170	2090	590	1AW28
1.0	200	152	230	230	71	367	740	275	1AW13
	250	165	250	250	76	443	920	278	1AW17
	300	178	270	270	83	492	990	278	1AW17
	350	190	290	290	92	575	1155	278	1AW17
	400	210	310	310	102	600	1205	530	1AW20
	450	222	330	330	114	643	1290	530	1AW20
	500	229	350	350	127	705	1395	530	1AW20
	600	267	390	390	154	838	1665	530	1AW20
700	292	430	430	185	942	1882	590	1AW28	
800	315	470	470	190	1055	2095	590	1AW28	



气动蝶阀 Pneumatic driven butterfly valve

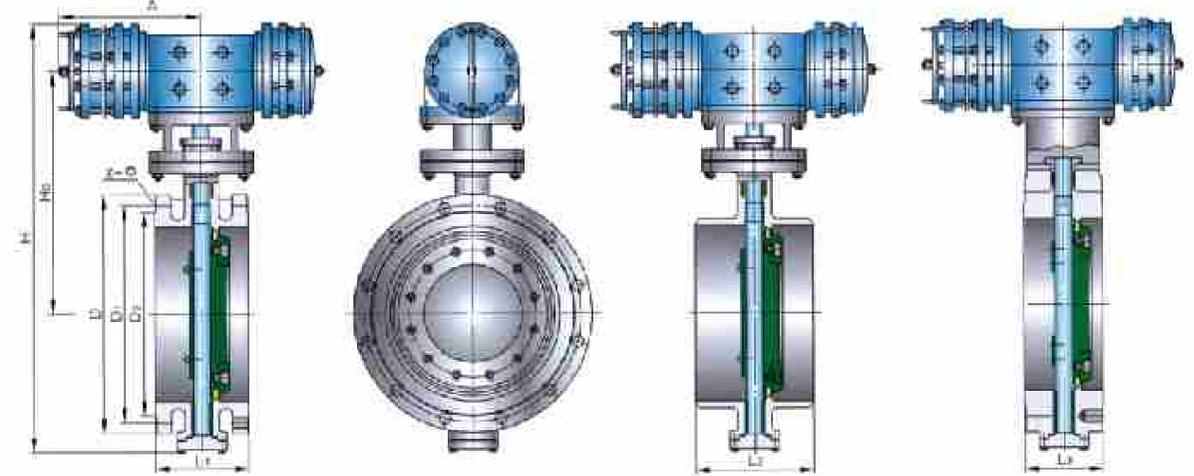


主要外形尺寸 Main size of outside
型号 Model D646, 712(3, 4, 5)FX, H, W, Y

PN (MPa)	DN (mm)	尺寸 Dimension (mm)							气动装置 Pneumatic device
		L1 短系列	L2 长系列	D	A	H ₀	H	A	
1.6	200	162	230	230	71	327	585	275	TAW13
	250	165	250	250	78	365	750	275	TAW13
	300	173	270	270	83	472	355	373	TAW17
	350	190	290	290	92	515	1033	373	TAW17
	400	218	310	310	102	505	1135	530	TAW20
	450	222	330	330	114	632	1270	530	TAW20
	500	229	350	350	127	665	1335	530	TAW20
	600	267	390	390	154	823	1642	630	TAW28
	700	292	430	430	165	905	1795	630	TAW28
2.5	200	162	230	230	71	367	740	275	TAW13
	250	165	260	260	78	443	890	373	TAW17
	300	173	270	270	83	495	385	373	TAW17
	350	190	290	290	92	575	1155	530	TAW20
	400	218	310	310	102	603	1208	530	TAW20
	450	222	330	330	114	643	1234	530	TAW20
	500	229	350	350	127	705	1330	535	TAW20
	600	267	390	390	154	835	1630	630	TAW28
	4.0	200	230	-	230	71	375	750	275
250		260	-	260	78	445	905	373	TAW17
300		270	-	270	83	538	1035	503	TAW20
350		290	-	290	127	578	1180	503	TAW20
400		310	-	310	140	603	1230	503	TAW20
500		350	-	350	170	765	1520	630	TAW28



气动蝶阀 Pneumatic driven butterfly valve



主要外形尺寸 Main size of outside
型号 Model D646, 712(3, 4, 5)FX, H, W, Y

Class	NPS (in)	尺寸 Dimension (mm)							电动装置 Electric device
		L1	L2	L3	H ₀	H	A		
150	6	162	162	64	323	630	275	TAW13	
	10	165	165	73	355	750	275	TAW13	
	12	173	173	81	475	955	373	TAW17	
	14	190	190	92	513	1032	373	TAW17	
	16	216	216	102	698	1182	530	TAW20	
	18	222	222	114	635	1265	530	TAW20	
	20	229	229	127	667	1335	530	TAW20	
	24	267	267	154	830	1642	630	TAW28	
	28	292	292	229	910	1782	630	TAW28	
300	8	230	230	73	368	750	275	TAW13	
	10	250	250	83	442	923	373	TAW17	
	12	270	270	92	525	1075	530	TAW20	
	14	290	290	117	572	1155	530	TAW20	
	16	310	310	113	610	1230	530	TAW20	
	18	330	330	149	738	1462	630	TAW28	
400	20	350	350	159	765	1328	630	TAW28	

截止阀系列 Globe valve series



截止阀 Gate valve

截止阀是指关闭件(阀瓣)沿阀座中心线移动的阀门。根据阀瓣的运动和结构形式，阀座通口的变化是与阀瓣行程成正比关系。由于该类阀门的阀杆开启高度与行程相比较大，而且具有非常可靠的切断功能，又由于阀座通口的变化与阀瓣的行程成正比关系，非常适用于对流量的调节。因此，这种类型的阀门非常适合作为切断或调节以及节流使用。

Globe valve is a valve that is to be moved along the center line of the valve seat. According to the movement of the valve flap in the form of the valve seat through the mouth of the change is proportional to the valve stroke. Due to the valve stem to open or close the top is relatively short, and has very reliable cut-off function, and because changes in the valve seat through the mouth of the valve stroke is proportional to, very suitable for in the regulation of the flow. Therefore, this type of valve is very suitable for use as a cut-off or regulation as well as throttling.

截止阀的阀瓣一旦从关闭位置移开，它的阀座和阀瓣密封面之间就不再接触，因而它的密封面机械磨损很小，故其密封性能是很好的，缺点是密封面可能会夹住流动介质中的颗粒。但是，如果密封面做成球面或圆锥，这个问题也就迎刃而解了。由于大部分截止阀的阀座和阀瓣比较易修理或更换，而且在修理或更换密封件时无需把整个阀门从管线上拆卸下来，这在阀门和管线焊成一体的场合是非常适用的。由于介质通过此阀门时的流动方向发生了变化，因此截止阀的最小流动阻力高于大多数其他类型的阀门。然而，根据阀体结构和阀杆相对于进、出口通道的布置，这种状况是可以调整的。同时，由于截止阀瓣开与关之间行程小，密封面又能承受多次启闭，因此可被选用于需要频繁开关的场合。

Cut-off valve once from the closed position away, its seat and also sealing surface between the is no longer in contact, so its sealing surface mechanical wear is very small, so the sealing performance is good. The disadvantage is that the sealing surface may grip the flowing medium particles. However, if the valve is made of steel ball or porcelain ball, the problem will meet the tough and the solution. As most of the cut-off valve seat and valve repair or replacement is easier, and in the repair or replacement of sealing components without the removal of the valve from the pipeline, which in valves and pipes welded into one of the occasions is very applicable. Since the media through the flow direction of such a change, so the minimum flow resistance of the cut-off valve is also higher than most other types of valves. However, according to the structure of the valve body and the valve stem relative to the inlet and outlet passage of the layout, this situation can be improved. At the same time, as a result of the valve opening and closing between the trip is small, the sealing surface can withstand repeated opening and closing, so it is suitable for the needs of frequent switching occasions.

截止阀可用于大部分介质流程系统。已研制出满足石化、电力、冶金、城建、化工等部门各种用途的多种形式的截止阀。截止阀的使用极为普遍，但由于开启和关闭力矩较大、结构长度较长，通常公称直径都限制在250mm以下，也有到400mm的，但使用时需特别注意进出口方向。一般150mm以下的截止阀介质大都从阀瓣的下方流入，而200mm以上的截止阀介质大都从阀瓣的上方流入。这是考虑到阀门的关闭力矩问题。为了减小开启或关闭力矩，一般200mm以上的截止阀上都设有旁通或旁通阀门。

Valve can be used in most of the media flow system. Has developed to meet the petrochemical, electric power, metallurgy, urban construction, chemical and other departments of various types of use of the cut-off valve. The use of cut-off valve is very common, but because of the opening and closing torque is large, the structure length is longer, usually nominal diameter is limited to less than 250mm, and also to 400mm, but please to pay special attention to the import and export orientation. Generally 150mm below the cut-off valve medium below the inflow from the bottom of the valve, and more than 200mm of the cut-off valve media from the top of the valve. This is due to the closing torque of the valve. In order to reduce the opening or closing torque, generally more than 200mm of the cut-off valve is provided with bypass or bypass valve.

截止阀最早的优点是 Valve the most obvious advantage is that:

(1) 在开启和关闭过程中，由于阀瓣与阀体密封面间的摩擦力比闸阀小，因而省力。

In the process of opening and closing, the friction between the sealing surface of the valve and the valve body is smaller than that of the gate valve.

(2) 开启高度一般仅为阀座通径的1/4，因此比闸阀小得多。

The opening height is generally only 1/4 of the valve seat or nominal diameter, so it is much smaller than the gate valve.

(3) 阀瓣在阀体和阀座上只有一个密封面，因而制造工费就比较低，易于维修。但是，截止阀的缺点也是不容忽视的，其缺点主要是流阻系数比较大，因此造成压力损失，特别是在高压装置中，这种压力损失尤为明显。

In the valve body and the valve is usually only one sealing surface, and thus the manufacturing process is relatively good, easy to repair. However, the shortcomings of the cut-off valve can not be ignored. The disadvantage is that the flow resistance coefficient is relatively large, so the pressure loss, especially in the hydraulic device, the pressure loss is particularly evident.

适合公称规格DN15~400mm(NPS1/2~16")，公称压力PN1.0~42.0MPa(Class150~2500)，工作温度-320.8~1112° F(-196~800°C)。

For nominal diameter DN15~400mm(NPS1/2~16"), Nominal pressure PN1.0~42.0MPa(Class150~2500), Operating temperature -320.8~1112° F(-196~800°C).

设计制造标准ASME B16.15、ASME B16.34、API6A、B551873、B55160、B55352、JPT-7S-36、JPT-7S-48、MSS-SP-42、JIS B 2072、JIS B 2081、JIS B 2082、GB/T12235、GB/T15392、JB/T7746等。

Design and manufacturing standards, ASME B16.15, ASME B16.34, API6A, B551873, B55160, B55352, JPT-7S-36, JPT-7S-48, MSS-SP-42, JIS B 2071, JIS B 2072, JIS B 2081, JIS B 2082, GB/T12235, GB/T15392, JB/T7746 etc..



产品主要参数 Main parameter of the products

基本型号 Basic model	H, P, DJ11H, H, P, DJ11Y; H, P, DJ61H, H, P, DJ61Y; H, P, DJ41H, H, P, DJ41Y; H, P, DJ941H, H, P, DJ941Y; H, P, DJ941H, H, P, DJ941Y; H, P, DJ961H, H, P, DJ961Y			
压力等级/压力 Pressure range	PN1.0~42.0MPa(Class150~2600)			
口径范围 Path range	DN15~400mm(NPS1/2~16")			
驱动方式 Driving mode	手轮传动 Hand wheel drive		齿轮传动 Gear drive	电动传动 Electric drive
适用范围 Scope of application	Class150~300 (PN1.6~5.0) 1/2~12" (DN15~300)	Class400~800 (PN6.3~11.0) 1/2~10" (DN16~250)	Class900~2600 (PN15.0~42.0) 1/2~8" (DN16~200)	2~16" (DN50~400)

注: H-中碳铸钢, P-自压密封, D-锻钢

产品性能规范 Product performance specification

压力等级 Pressure class	室温试验压力(MPa) Test pressure at room temperature(MPa)			适用温度 Applicable temperature	适用介质 Applicable medium
	壳体试验 Shell test	密封试验 Seal test	上密封试验 (Inscribed seal test)		
公称压力 Nominal pressure (MPa)	1.0	1.50	1.10	-196~600℃ -320.8~1112°F	水、油、蒸汽、酸、碱、盐、海水、尿素、腐蚀性、低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance and low temperature medium
	1.6	2.40	1.78		
	2.5	3.75	2.75		
	4.0	6.00	4.40		
	6.4	9.6	7.04		
	10.0	15.00	11.00		
	16.0	24.00	17.60		
	25.0	37.50	27.50		
磅级 (Class)	150	3.00	2.20	-196~600℃ -320.8~1112°F	水、油、蒸汽、酸、碱、盐、海水、尿素、腐蚀性、低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance and low temperature medium
	300	7.50	5.50		
	400	9.45	6.93		
	600	14.10	10.40		
	800	21.00	15.40		
	900	27.50	16.50		
	1500	39.00	28.60		
	2600	63.00	46.20		



产品采用标准 Technical specification

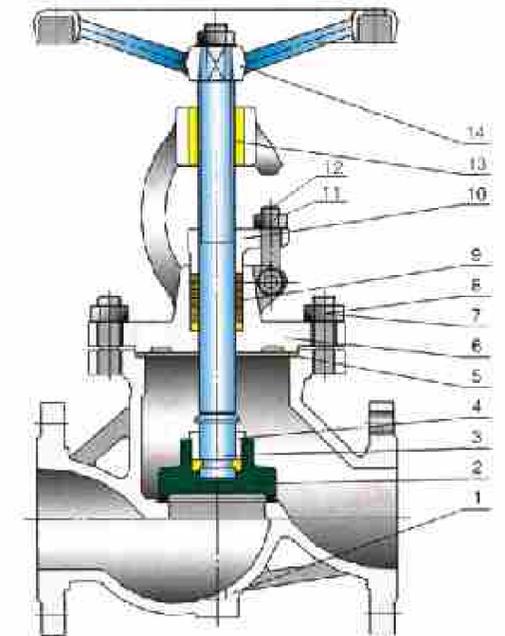
结构形式 Structural form/size	球接阀盖母体支撑结构 Ball-jointed bonnet or body stem valve structure
驱动方式 Driving manner	手动、电动 Hand-operated, Electric-driving
设计标准 Design standard	GB/T 12235
结构长度 Face to face	GB/T 12221
连接法兰 Flanged ends	GB/T9113, HG20592
试验和检验 Test/Inspection	GB/T 13927, JB/T 9092

注: 阀门连接法兰及焊接端尺寸可按用户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.



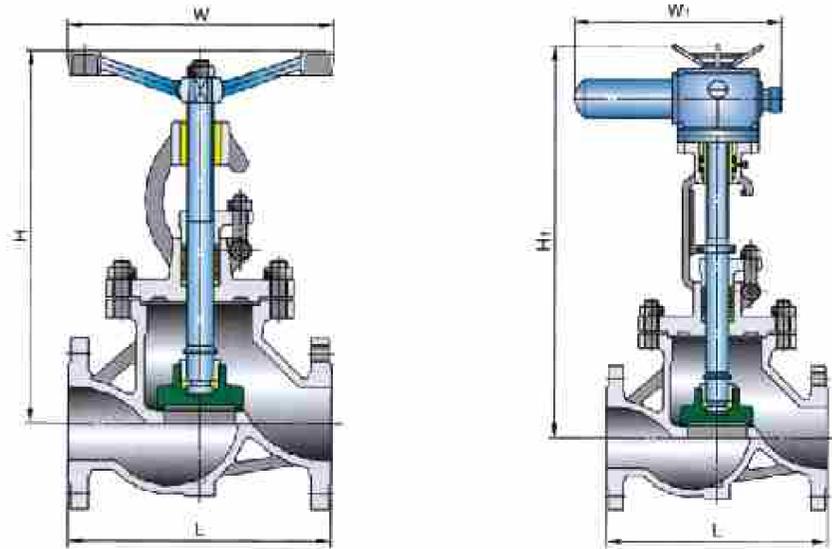
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	WCB, LCB, CC, WC1, WCB, WCB, C5, CF8, CF8M, CF8C, CF8, CF3M, CF10M, 4A, 5A
2	阀盖 Bonnet	WCB, LCB, CC, WC1, WCB, WCB, C5, CF8, CF8M, CF8C, CF8, CF3M, CF10M, 4A, 5A
3	阀杆 Stem	1Cr13, 2Cr13, 25Cr2MoVA, F304, F316, F347, F304L, F316L, F316H, F51, F63
4	阀盖压盖 Flap pressure sleeve	1Cr13, 2Cr13, 25Cr2MoVA, F304, F316, F347, F304L, F316L, F316H, F51, F63
5	体盖垫片 Body cover gasket	304 或蒙乃尔合金+石墨 304, 304L, 316, 316L, 321-PTFE
6	阀盖 Bolt	WCB, LCB, CC, WC1, WCB, WCB, C5, CF8, CF8M, CF8C, CF8, CF3M, CF10M, 4A, 5A
7	体盖螺母 Body cover nut	B7, B8, B18, 7, B7M, B8M
8	体盖螺母 Body cover nut	ZH, 7, B, 4
9	填料 Packing	聚四氟乙烯, 奥氏体不锈钢或蒙乃尔合金石墨编织, PTFE
10	填料压盖 Packing gland	WCB, LCB, C5, CF8, CF8M, CF10M, 4A
11	螺母 Nut	ZH, B, 4
12	活节螺栓 Live bolt	B7, B8, B18, 7, B7M, B8M
13	阀杆螺母 Stem nut	高磷铸铁, 铝青铜, 1Cr13氧化
14	手轮 Hand wheel	可锻铸铁, 球墨铸铁





GB铸钢截止阀 GB cast steel globe valve



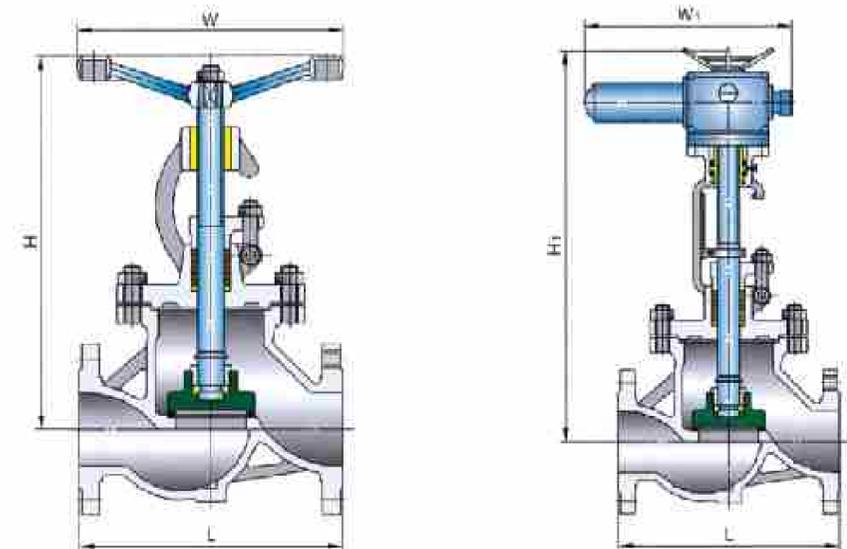
主要外形尺寸及重量 Main size of outside & weight

型号 Model: J41H, J41Y, J41W, J41N, J941H, J941Y, J941W, J941N

PN (MPa)	DN (mm)	传动方式 Driving		手动 Hand operated		电动 Electric driving			
		L	H	W	重量 Weight (kg)	H ₁	W ₁	电动装置 Electric driving	重量 Weight (kg)
1.6	15	130	218	120	5.3	-	-	-	-
	20	150	260	140	7.2	-	-	-	-
	25	160	275	160	7.6	-	-	-	-
	32	180	292	180	8.7	-	-	-	-
	40	200	332	200	12.4	-	-	-	-
	50	230	350	240	14	642	960	DZW10A	50
	65	290	405	280	22.5	655	960	DZW10A	62
	80	310	390	280	29.5	712	960	DZW10A	65
	100	350	412	320	34	772	960	DZW15A	73
	125	400	462	360	50	785	960	DZW20A	120
	150	480	510	400	55	812	960	DZW30A	212
	200	600	715	400	179	955	1325	DZW15A	325
250	650	780	450	429	1138	1325	DZW60A	557	
300	750	925	500	650	1285	1370	DZW90	793	
2.5	15	130	215	120	5.5	-	-	-	-
	20	150	260	140	7.4	-	-	-	-
	25	160	275	160	7.8	-	-	-	-
	32	180	292	180	8.7	-	-	-	-
	40	200	332	200	12.4	-	-	-	-
	50	230	350	240	15	642	960	DZW10A	52
	65	290	405	280	24.5	655	960	DZW10A	63
	80	310	390	280	31	712	960	DZW15A	68
	100	350	412	320	36	772	960	DZW20A	75
	125	400	462	360	58	785	960	DZW30A	122
	150	480	510	400	58	812	1325	DZW15A	215
	200	600	715	400	183	955	1325	DZW60A	327
250	650	785	450	443	1138	1370	DZW90	555	
300	750	925	500	661	1285	1370	DZW120	798	



GB铸钢截止阀 GB cast steel globe valve



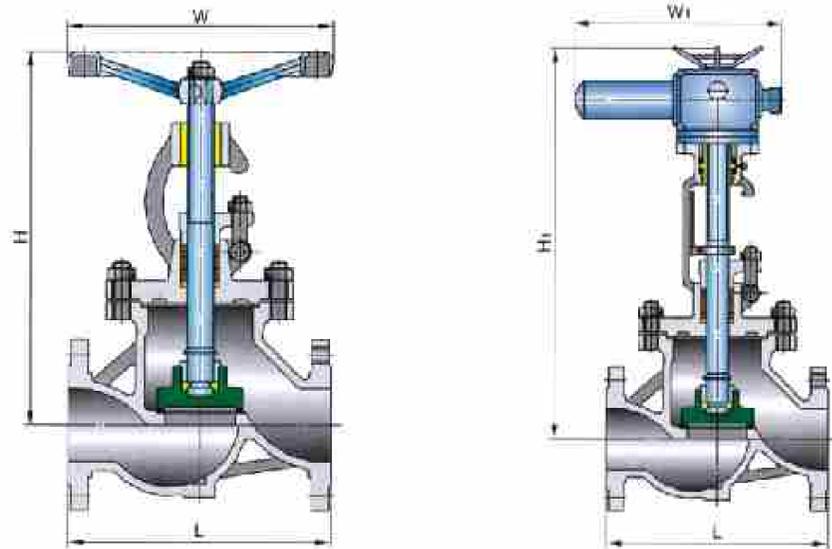
主要外形尺寸及重量 Main size of outside & weight

型号 Model: J41H, J41Y, J41W, J41N, J941H, J941Y, J941W, J941N

PN (MPa)	DN (mm)	传动方式 Driving		手动 Hand operated		电动 Electric driving			
		L	H	W	重量 Weight (kg)	H ₁	W ₁	电动装置 Electric driving	重量 Weight (kg)
4.0	15	130	235	120	5.9	-	-	-	-
	20	150	278	140	7.5	-	-	-	-
	25	160	288	160	8.0	-	-	-	-
	32	180	305	180	8.9	-	-	-	-
	40	200	358	200	12.5	-	-	-	-
	50	230	378	240	15.2	642	960	DZW10A	61
	65	290	408	280	21.6	685	960	DZW10A	78
	80	310	435	320	32	712	960	DZW20A	85
	100	350	482	360	40	772	960	DZW30A	135
	125	400	555	400	50	785	1325	DZW15A	256
	150	480	613	400	106	812	1325	DZW60A	228
	200	600	725	400	189	965	1370	DZW90	430
6.4	15	130	218	140	10.2	-	-	-	-
	20	150	260	160	13.5	-	-	-	-
	25	160	275	180	15	-	-	-	-
	32	180	325	200	20	-	-	-	-
	40	200	350	240	25	-	-	-	-
	50	230	410	280	38	712	960	DZW10A	65
	65	240	450	320	47	752	960	DZW15A	78
	80	280	485	360	55	785	960	DZW30A	85
	100	430	535	400	123	835	1325	DZW15A	173
	125	500	630	400	180	1030	1325	DZW60A	246
	150	566	650	450	155	1055	1370	DZW90	320
	200	660	810	500	285	1215	1370	DZW120	420



GB铸钢截止阀 GB cast steel globe valve



主要外形尺寸及重量 Main size of outside & weight

型号 Model: J41H, J41Y, J41W, J41N, J41H, J41Y, J41W, J41N

PN (MPa)	传动方式 Driving			手动 Hand operated			电动 Electric driving		
	DN (mm)	L	H	W	重量 Weight (kg)	H	W1	电动装置 Electric driving Weight (kg)	重量
10.0	15	170	220	120	10.5	-	-	-	-
	20	190	260	140	14	-	-	-	-
	25	210	275	160	15.5	-	-	-	-
	32	230	325	180	21	-	-	-	-
	40	260	360	200	26.5	-	-	-	-
	50	300	415	240	27	735	960	DZW20A	82
	65	340	455	280	49	760	960	DZW30A	105
	80	380	485	290	76	785	1325	DZW45A	173
16.0	100	430	538	320	125	840	1325	DZW60A	195
	125	500	635	360	154	1032	1370	DZW90	299
	150	550	650	400	158	1072	1370	DZW120	450
	200	650	812	400	288	1220	1395	DZW180	655
	15	170	220	140	12.5	-	-	-	-
	20	190	262	160	15.5	-	-	-	-
	25	210	275	180	18	-	-	-	-
	32	230	326	200	22	-	-	-	-
	40	260	362	240	35	-	-	-	-
	50	300	417	260	53	745	960	DZW30A	96
	65	340	465	270	77	825	1325	DZW45A	155
	80	380	485	290	101	940	1370	DZW50	223
100	430	540	320	120	1152	1370	DZW120	240	
125	500	-	-	-	1185	1435	DZW180	500	
150	550	-	-	-	1230	1435	DZW250	673	
200	650	-	-	-	1500	1785	DZW350	1125	



ANSI铸钢截止阀 ANSI cast steel globe valve

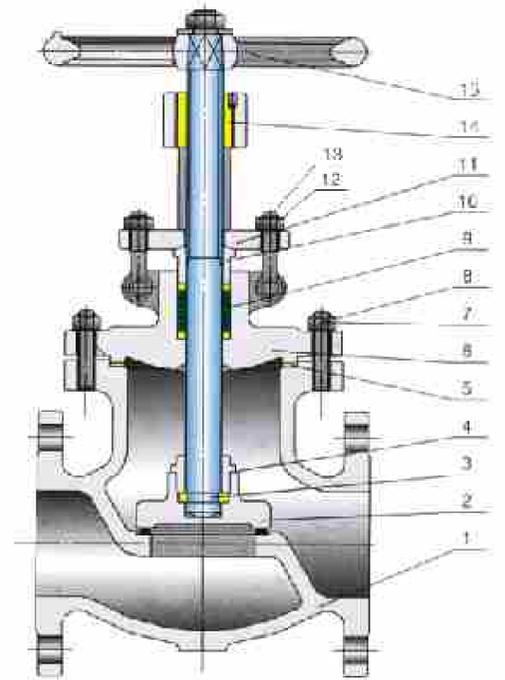
产品采用标准 Technical specification

结构形式 Structural form	栓接阀盖/带外架结构 Bolt joined cover/with outside stem yoke structure
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	ASME B16.34, BS1873
结构长度 Face to face	ASME B16.10
连接形式 Flanged ends	ASME B16.5
试验和检验 Test&inspection	API 598, BS6755

注：阀门连接法兰及对接端尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminals can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A216-WCB; ASTM A217-WC1, WC6, WC9, C5 ASTM A352-LCB, LC3 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M ASTM A395-4A, ASTM A890-5A
2	阀瓣 Pate	ASTM A216-WCB; ASTM A217-WC1, WC6, WC9, C5 ASTM A352-LCB, LC3 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M ASTM A395-4A, ASTM A890-5A
3	阀杆 Stem	ASTM A182-F6a, F304, F316, F347, F304L, F316L, F316H, F51, F53
4	阀杆压套 Flan pressure sleeve	ASTM A182-F6a, F304, F316, F347, F304L, F316L, F316H, F51, F53
5	阀盖垫片 Body cover gasket	304或蒙乃尔合金-石墨 304, 30ML, 316, 316L, 321+PTFE
6	阀盖 Bonnet	ASTM A216-WCB; ASTM A217-WC1, WC6, WC9, C5 ASTM A352-LCB, LC3 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M, CF10M ASTM A395-4A, ASTM A890-5A
7	阀盖螺栓 Body cover stud	ASTM A193-B7, 316, 37M, B8, ASTM A320-L7, B8M
8	阀盖螺母 Body cover nut	ASTM A194-2H, 7, B, C
9	填料 Packing	聚四氟乙烯, 奥氏体不锈钢或蒙乃尔合金线, 石墨填料, PTFE
10	填料压套 Packing sleeve	ASTM A182-F6a, F304, F316, F347, F304L, F316L, F316H, F51, F53
11	填料压盖 Packing gland	ASTM A216-WCB, ASTM A217-C5, ASTM A352-LCB, ASTM A351-CF8, CF8M, CF8C, ASTM A395-4A
12	螺母 Nut	ASTM A194-2H, 7, B, C
13	活节螺栓 Live bolt	ASTM A193-B7, 316, 37M, B8, ASTM A320-L7, B8M
14	阀杆螺母 Stem nut	高强度钢, 铝合金, 钛合金
15	手轮 Handwheel	可锻铸铁, 球墨铸铁

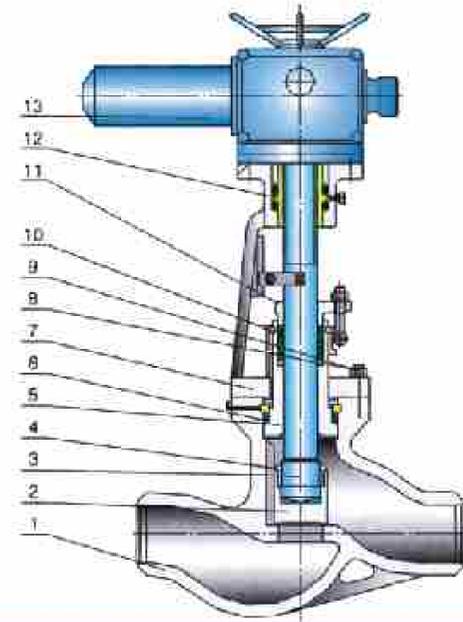




产品采用标准 Technical specification

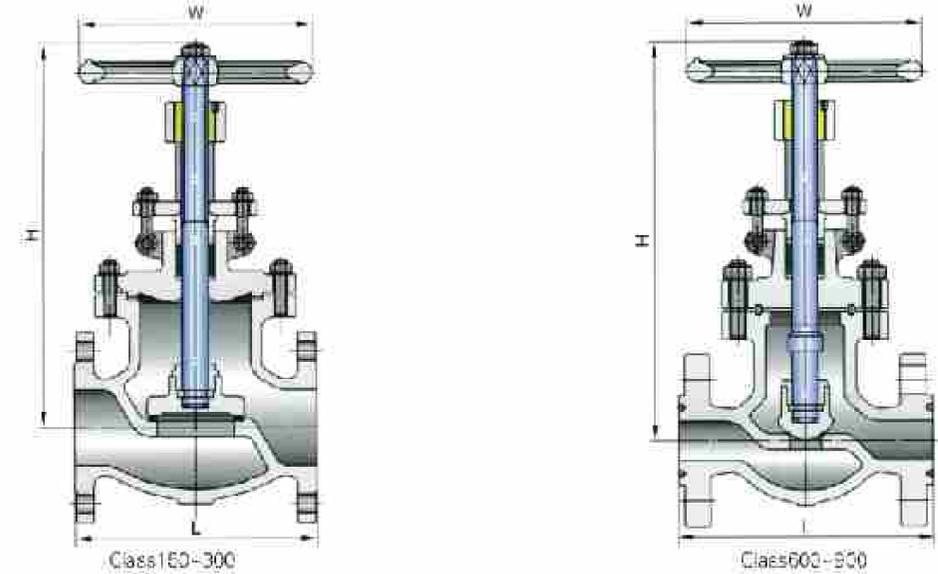
结构形式 Structural form/series	自紧密封(PS)阀盖铸钢截止阀 Pressure-sealed (PS) bonnet outside stem and valve
驱动方式 Driving manner	手动、齿轮动、电动 Hand-operated, Gear-operated, Electric driving
设计标准 Design standard	ASME B16.34, BS 1873
面-面长度 Face to face	ASME B16.10
带法兰端 Flanged ends	ASME B16.5
对接端 Butt-welding ends	ASME B16.25
试验和检验 Test/Inspection	API608, BS6755

注：阀门连接法兰及对接端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.



主要零件材料 Major parts material

序号 No.	零件名称 Part name	材质 Material
1	阀体Body	ASTM A213-WCB, ASTM A217-WC1, WC6, WC9, WC9, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	阀盘Disc	ASTM A192 F6a, ASTM A152 F22, ASTM A182-F304, F316, F321, F304L, F316L
3	阀杆Stem	ASTM A192 F6a, ASTM A192 F22, ASTM A182-F304, F316, F321, F304L, F316L
4	阀盖盖Flange cover	ASTM A192 F6a, ASTM A192 F22, ASTM A182-F304, F316, F321, F304L, F316L
5	阀盖Bonnet	ASTM A192 F6a, ASTM A192 F22, ASTM A192-F304, F316, F321, F304L, F316L
6	密封圈 Sealing ring	柔性石墨+不锈钢 Graphite&stainless steel
7	叉架 Yoke	ASTM A213-WCB, ASTM A217-WC1, WC6, WC9, WC9, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
8	阀盖螺栓Stud	ASTM A193-B7, A193-B8, A193-B1B, A320-B9M
9	六角螺母 Hexagon nuts	ASTM A194-2H, A194-B, A194-BM, A194-F
10	填料 Packing	柔性石墨 Graphite
11	填料压盖 Packing gland	ASTM A216-WC3, ASTM A351-CF8M, CF8M, CF8C, CF3, CF3M
12	阀杆螺母 Valve stem nut	铜合金、双金属铁 Copper alloy, ductile iron
13	传动装置 Driving	手动、电动等 Hand, Electric



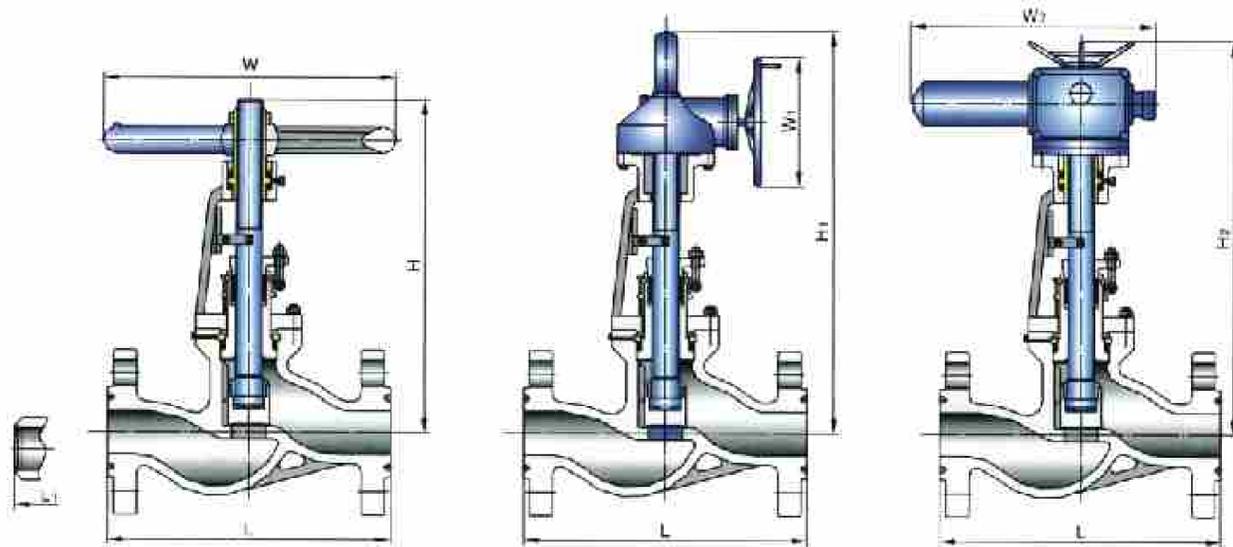
主要外形尺寸及重量 Main size of outside & weight
型号 Model: L41H, L41Y

Class	DN (mm)	NPS (in)	尺寸 Dimension (mm)			重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimension (mm)			重量 Weight (kg)
			L	H	W					L	H	W	
150	15	1/2	105	241	125	-	300	15	1/2	152	241	125	-
	20	3/4	117	241	125	-		20	3/4	178	241	125	-
	25	1	127	242	125	-		25	1	203	233	100	-
	32	1 1/4	142	282	160	-		32	1 1/4	216	320	200	-
	40	1 1/2	165	288	160	-		40	1 1/2	229	322	200	-
	50	2	203	368	200	18		50	2	267	309	200	25
	65	2 1/2	218	367	200	30		65	2 1/2	292	438	250	30
	80	3	241	400	250	36		80	3	318	450	250	52
	100	4	292	467	250	55		100	4	356	534	355	66
	150	6	408	609	365	104		150	6	444	880	450	160
200	8	495	689	450	200	200	8	558	782	450	258		
250	10	622	762	450	300	250	10	622	850	500	420		
300	12	685	878	500	390	300	12	711	1085	500	595		
350	14	787	880	500	610	350	14	762	1187	600	576		
400	16	914	1104	500	850	400	16	864	1250	600	1010		

Class	DN (mm)	NPS (in)	尺寸 Dimension (mm)			重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimension (mm)			重量 Weight (kg)
			L	H	W					L	H	W	
600	60	2	295	430	180	35	900	60	2	372	559	320	65
	65	2 1/2	334	480	250	50		65	2 1/2	442	589	320	75
	80	3	350	508	250	90		80	3	544	835	350	120
	100	4	435	625	350	150		100	4	461	774	450	200
	150	6	562	814	450	300		150	6	613	1040	600	410
	200	8	664	1016	500	510		200	8	740	1350	720	790
250	10	791	1219	600	880	250	10	842	1660	780	1500		



ANSI自紧密封(PS)闸盖铸钢截止阀 ANSI Self sealing (PS) bonnet cast steel globe valve



主要外形尺寸及重量 Main size of outside & weight

型号 Model: 法兰连接 Flanged (Ps)J41H, (Ps)J41Y, (Ps)J541H, (Ps)J541Y, (Ps)J941H, (Ps)J941Y
 对焊连接 Butt-welding (Ps)J61H, (Ps)J61Y, (Ps)J661H, (Ps)J661Y, (Ps)J961H, (Ps)J961Y

Class	驱动方式 Driving				手动方式 Hand operated			齿轮传动 Gear operated			电动 Electric driving					
	DN (mm)	NPS (in)	法兰 Flange	对焊 But-welded	H	W	重量 Weight (kg)	H ₁	W ₁	传动器 Gear device	重量 Weight (kg)	H ₂	W ₂	转矩 Torque (NM)	重量 Weight (kg)	
900	60	2	37	368	470	350	110	-	-	-	-	-	-	-	-	-
	65	2 1/2	42	419	560	400	130	-	-	-	-	-	-	-	-	-
	80	3	384	381	385	400	140	-	-	-	-	-	-	-	-	-
	100	4	460	457	330	500	230	880	460	BA-1	250	880	809	800	887	
	150	6	613	610	-	-	-	1135	460	BA-1	602	1135	809	1200	635	
	200	8	740	737	-	-	-	1485	610	BA-2	902	1485	863	1800	1155	
1500	60	2	37	368	535	400	130	-	-	-	-	-	-	-	-	-
	65	2 1/2	42	419	370	500	125	-	-	-	-	-	-	-	-	-
	80	3	473	470	328	500	248	-	-	-	-	-	-	-	-	-
	100	4	549	546	1153	560	350	990	460	BA-1	370	990	809	1200	505	
	150	6	717	704	-	-	-	1250	610	BA-2	720	1135	863	1800	855	
	200	8	841	831	-	-	-	1615	610	BA-2	1370	1485	863	2500	1628	
2500	60	2	454	451	650	500	180	-	-	-	-	-	-	-	-	-
	65	2 1/2	514	508	240	560	250	-	-	-	-	-	-	-	-	-
	80	3	584	578	990	500	350	-	-	-	-	-	-	-	-	-
	100	4	683	673	1210	580	580	1090	610	BA-2	615	1090	863	1800	670	
	150	6	927	914	-	-	-	1470	610	BA-2	980	1470	863	2500	1278	
	200	8	1033	1022	-	-	-	1735	610	BA-2	1620	1735	863	3000	2050	

注: 对焊连接阀门尺寸可根据用户要求定制。



锻钢截止阀 Forged steel globe valve

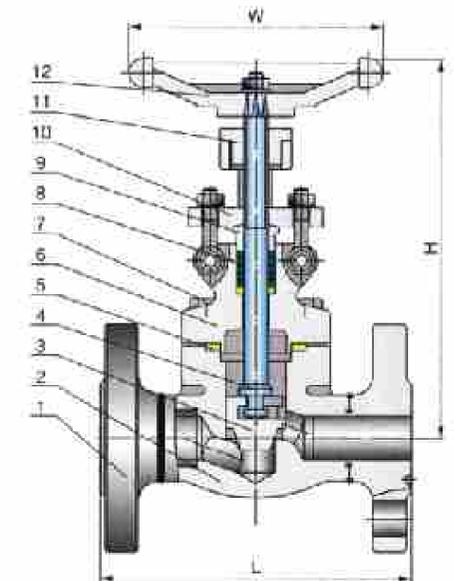
产品采用标准 Technical specification

结构形式 Structural form	法兰密封副密封结构(对焊法兰) Ball-joint bonnet valve seal structure (but-welded flange)
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602, BS 3952
结构长度 Face to face	ASME B15.10
连接法兰 Flanged ends	ASME B16.5
试验和检验 Test & inspection	API598, BS6755

注: 阀门连接法兰及对焊端尺寸可根据用户要求设计制造。
 Note: The size of valve connecting flange and but-welding terminals can be designed according to customer's requirement

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	法兰 Flange	ASTM A106, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
2	阀体 Body	ASTM A106, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
3	阀瓣 Disc	ASTM A106, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
4	阀杆 Stem	ASTM A 620CrF58, ASTM A 62F22, ASTM A 327-F304, F316, F321, F304L, F316L
5	垫片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel
6	阀盖 Bonnet	ASTM A106, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
7	螺栓 Bolt	ASTM A193-B7, A230-B6, A193-B8M, A193-B16
8	填料 Packing	柔性石墨 Graphite
9	填料压盖 Gland cover	ASTM A106, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
10	填料函 Gland	ASTM A106, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
11	阀杆螺母 Valve stem nut	铜合金 蒙乃特 Copper alloy, Monel
12	手轮 Handwheel	ASTM A47-32510



主要外形尺寸及重量 Main size of outside & weight

型号 Model: (Hs, Ps)K1H, (Hs, Ps)K1Y

Class	DN (mm)	NPS (in)	150				重量 Weight (kg)	300				重量 Weight (kg)	600				重量 Weight (kg)	
			尺寸 Dimensions (mm)		尺寸 Dimensions (mm)			尺寸 Dimensions (mm)		尺寸 Dimensions (mm)								
			L/RB	L/RTJ	H	W	L/RB	L/RTJ	H	W	L/RB	L/RTJ	H	W	L/RB	L/RTJ	H	W
15	1/2		129	118	170	100	3.5	152.5	163.5	170	100	4.2	165	163.5	170	100	5.5	
20	3/4		117	130	170	100	4.6	178	181	170	100	5.3	190.5	180.6	170	100	7.0	
25	1		127	140	205	125	6.5	203	216	205	125	7.5	216	216	205	125	9.7	
32	1 1/4		140	153	225	160	9.8	218	229	225	160	11.3	229	229	225	160	12.5	
40	1 1/2		155	178	254	160	12	228.5	241	254	160	16.5	241	241	254	160	18.4	
50	2		203	216	282	180	15	236.5	282	292	180	18.2	282	236	292	180	20	

注: H为阀杆全开时的高度。Note: H represents the height in full opening condition of valve



锻钢截止阀 Forged steel globe valve

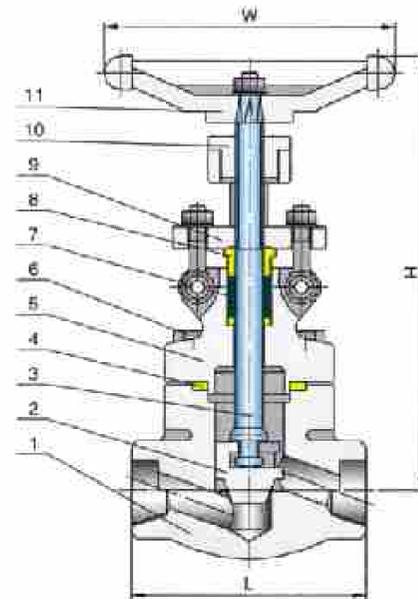
产品采用标准 Technical specification

结构形式 Structural formation	衬阀筒或衬阀支架结构(压力等级) Ball-joint valve or ball-joint valve structure (Pressure level)
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API607, BS 6362
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Socket welded ends	ASME B16.11
试验和检验 Test/Inspection	API598, BS6755

注：阀门连接螺纹及承插焊端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体Body	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
2	阀瓣Disc	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
3	阀杆Stem	ASTM A182F09, ASTM A182F22, ASTM A182-F204, F316, F321, F304L, F316L
4	垫片Gasket	柔性石墨+不锈钢Graphite & stainless steel
5	阀盖Bonnet	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
6	螺栓Bolt	ASTM A193-B7, A230-B8, A193-B7M, A193-B16
7	填料Packing	柔性石墨Graphite
8	填料压盖 Stuffing cover	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
9	填料压板 Gland	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
10	阀杆螺母 Valve stem nut	铜合金、碳钢 Copper alloy, Nitroded steel
11	手轮Handwheel	ASTM A47-32510



主要外形尺寸及重量 Main size of outside & weight

型号 Model: (Hs, Ps)J11H, (Hs, Ps)J11Y, (Hs, Ps)J11L, (Hs, Ps)J11Y

Class				800			1500				
DN		尺寸 Dimension (mm)		重量 Weight (kg)	尺寸 Dimension (mm)			重量 Weight (kg)			
管径 Reduce pipe mm	口径 Full bore mm	H	W		L	H1	W				
15	1/2	13	3/8	80	170	130	1.9	11	205	125	4.5
20	3/4	15	1/2	82	170	130	2.1	11	205	125	4.3
25	1	20	3/4	111	205	125	3.2	130	240	160	5.8
32	1 1/4	25	1	120	255	150	6.9	150	258	160	9.5
40	1 1/2	32	1 1/4	120	254	150	6.9	172	290	160	12.6
50	2	40	1 1/2	140	292	130	10.4	220	336	160	15.2
		50	2	170	350	240	15.8	230	420	251	30

注：H为阀全开时的高度。Note: H represents the height in full opening condition of valve.



锻钢截止阀 Forged steel globe valve

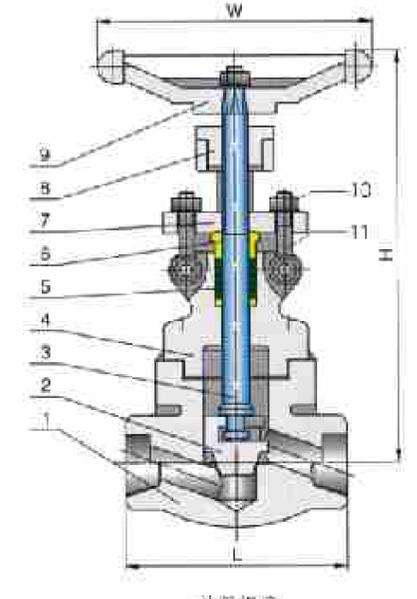
产品采用标准 Technical specification

结构形式 Structural formation	衬阀筒、自紧密封、切杆支架结构 Ball-joint valve, self-tightening seal, cut-off support structure
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API607, BS 6362
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Socket welded ends	ASME B16.11
试验和检验 Test/Inspection	API598, BS6755

注：阀门连接螺纹及承插焊端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体Body	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
2	阀瓣Disc	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
3	阀杆Stem	ASTM A182-F09, ASTM A182F22, ASTM A182-F204, F316, F321, F304L, F316L
4	阀盖Bonnet	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
5	填料Packing	柔性石墨Graphite
6	填料压盖 Stuffing cover	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
7	填料压板 Gland	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A35-F304, F316, F321, F304L, F316L
8	阀杆螺母 Valve stem nut	铜合金、碳钢 Copper alloy, Nitroded steel
9	手轮Handwheel	ASTM A47-32510
	六角螺母 Hexagon nut	ASTM A193-2H, 4, 8, 8M
11	活套螺栓 Hinged bolt	ASTM A193-2A, 516, 55, 58M



主要外形尺寸及重量 Main size of outside & weight

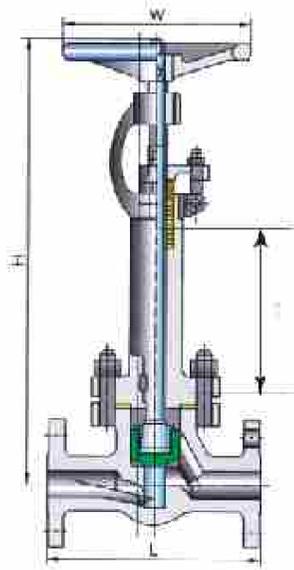
型号 Model: (Hs, Ps)J11H, (Hs, Ps)J11Y, (Hs, Ps)J11L, (Hs, Ps)J11Y

Class	DN (mm)		NPS(in)		尺寸 Dimension (mm)			重量 Weight (kg)
	管径 Reduce pipe	口径 Full bore	管径 Reduce pipe	口径 Full bore	L	H1	W	
2500	15	15	1/2	3/8	111	190	125	4.5
	20	15	3/4	1/2	127	225	140	5.5
	25	20	1	3/4	127	246	160	6.0
	32	25	1 1/4	1	130	237	180	13.2
	40	32	1 1/2	1 1/4	130	230	150	12.8
	50	40	2	1 1/2	210	352	200	19.8
	50	50	2	2	230	420	240	30

注：H为阀全开时的高度。Note: H represents the height in full opening condition of valve.



低温截止阀 Low-temperature globe valve



产品采用标准 Technical specification

设计与制造 Design and manufacture	BS 5504, MSS SP-104
结构长度 Face-to-face	ANSI-H16.10, BSF-V689
加长颈长度 Extend-necked length	按温度确定
压力-温度等级 Pressure-temp	ASME B16.34
试验-验收标准 Test/inspection	API600, MSS SP-104, BS6364
主体材料 Body material	11Cr, 13Cr, 15Cr, 17Cr, 316M
最低温度 (°C) Minimum temperature(°C)	-46, -70, 105, -165, -196, -254

注: 1. 阀门连接法兰及焊接端尺寸可根据客户要求设计制造。
Note: 1. The sizes of valve connecting flange and butt-welding terminas can be designed according to a customer's requirement.
2. 低温加长颈高度L, 按不同温度介质或客户要求确定。
2. Low temperature long neck height L, according to the different temperature of the medium or the requirement of customer.

主要外形尺寸及重量 Main size of outside & weight
Class 150

规格	NPS DN	1/2 15	3/4 20	1 25	1 1/2 40	2 50	2 1/2 65	3 80	4 100	6 150	8 200	10 250	12 300	
H	W	-46°C	138	177	127	165	202	215	241	292	408	495	622	698
		-101°C	435	435	425	460	525	555	582	622	740	820	1020	1243
		-196°C	435	435	425	460	525	555	582	622	740	820	1020	1243
Wt (Kg)	-46°C	8	11	14	28	29.5	38	40	70.5	119	200	289	360	
	-101°C	7	12	15	30	31	39	47	72	122	204	275	357	
	-196°C	8	13	17	31	33	41	48	74	125	208	290	478	

Class 300

规格	NPS DN	1/2 15	3/4 20	1 25	1 1/2 40	2 50	2 1/2 65	3 80	4 100	6 150	8 200	12 250	16 300	
H	W	-46°C	152	178	230	229	267	297	318	366	445	559	622	711
		-101°C	435	435	425	460	525	555	582	622	740	820	1020	1243
		-196°C	435	435	425	460	525	555	582	622	740	820	1020	1243
Wt (Kg)	-46°C	10	17	13	27	42.5	55	66	106	163	345	488	770	
	-101°C	12	18	21	29	43.5	58	67	107	164	347	470	772	
	-196°C	14	23	23	31	47.5	67	69	108	165	351	475	780	

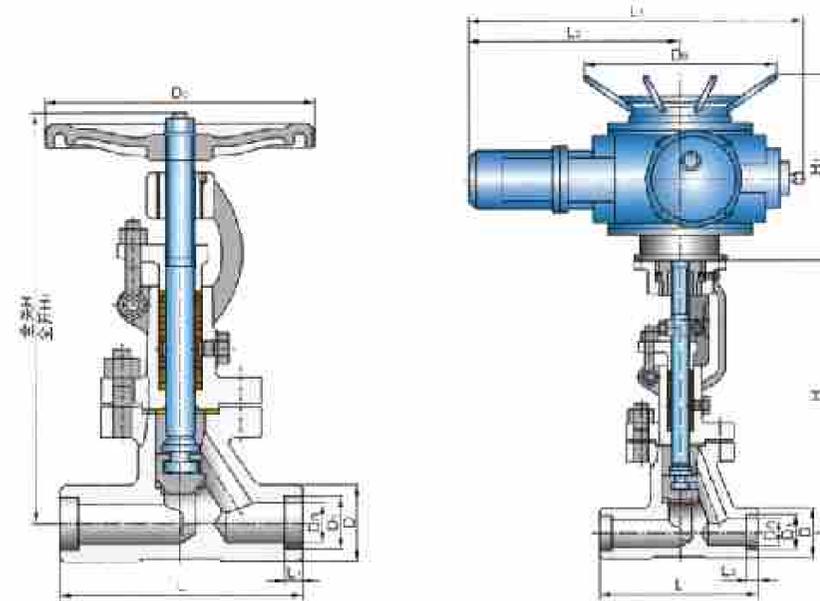
Class 600

规格	NPS DN	1/2 15	3/4 20	1 25	1 1/2 40	2 50	2 1/2 65	3 80	4 100	6 150	8 200	10 250	12 300
H	W	-46°C	165	131	216	241	292	320	356	432	559	663	797
		-101°C	405	405	425	460	515	550	700	765	980	1480	1690
		-196°C	405	405	425	460	515	550	700	765	980	1480	1710
Wt (Kg)	-46°C	18	18	20	31	48	65	64	145	313	413	690	990
	-101°C	17	19	21	35	47	67	68	148	320	428	700	1000
	-196°C	19	20	23	37	49	68	69	151	327	435	700	1000



真空隔离截止阀 Vacuum isolate globe valve

NKJ16H-160, NK.G1Y-40, NK.G1Y-40P, NKJ81Y-150



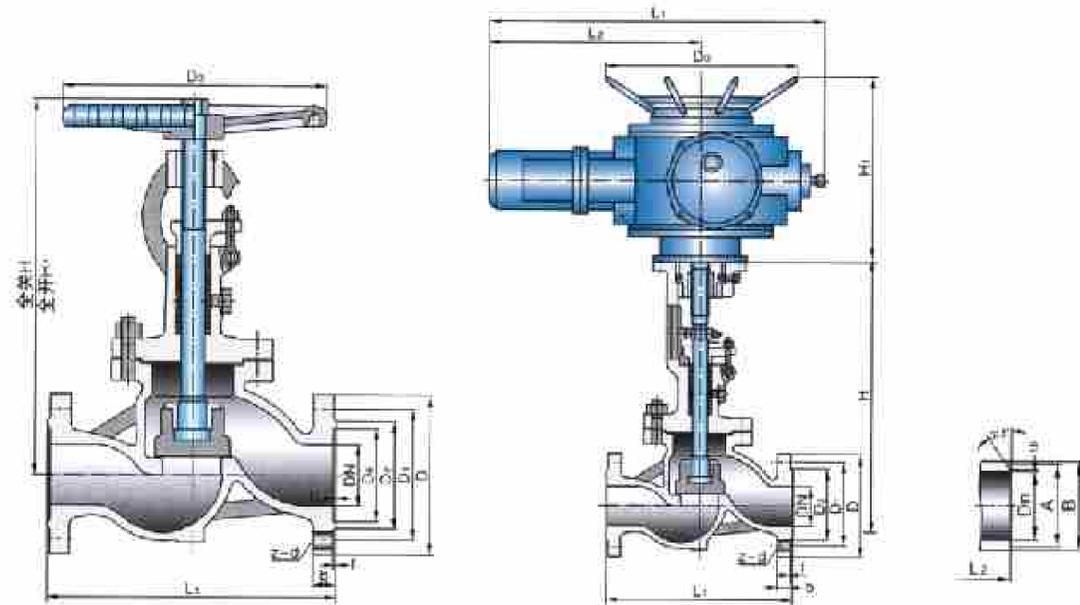
主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称直径 DN(mm)	尺寸 (mm)								重量 (kg)
		L	W	Dn	D	L1	H	H1	L2	
1.6	10	150	36	9	16	9	245	255	120	6.5
	15	130	36	12	19	10	245	260	120	7
	20	160	44	19	26	11	265	285	140	7.8
	25	160	47	26	33	13	270	290	160	8.5
	32	160	60	30	39	14	270	300	180	12
2.5	10	150	36	9	16	9	245	255	120	6.5
	15	130	38	12	19	10	245	260	120	7
	20	160	44	19	26	11	265	285	140	7.8
	25	160	47	26	33	13	270	290	160	8.5
	32	160	60	30	39	14	270	300	180	12
4.0	10	150	36	9	16	9	245	255	120	6.5
	15	130	38	12	19	10	245	260	120	7
	20	160	44	19	26	11	265	285	140	7.8
	25	160	47	26	33	13	270	290	160	8.5
	32	160	60	30	39	14	270	300	180	12
6.4	10	150	36	9	16	9	245	255	120	6.5
	15	130	38	12	19	10	245	260	140	7
	20	160	47	19	26	11	270	290	160	7.8
	25	160	47	26	33	13	290	315	180	8.5
	32	180	60	30	39	14	300	330	200	13
10.0	10	150	36	9	16	9	245	255	120	7
	15	130	38	12	19	10	245	260	140	7.8
	20	160	47	19	26	11	270	290	160	8.7
	25	160	50	26	33	13	290	315	180	10.5
	32	180	60	30	39	14	300	330	200	16



真空隔离截止阀 Vacuum isolate globe valve

NKJ⁴¹₆₁H-⁴⁰₂₅ NKJ⁴¹₆₁Y-⁴⁰₂₅ NKJ⁴¹₆₁Y-⁴⁰₂₆P NKJ⁴¹₆₁Y-⁴⁰₂₆R



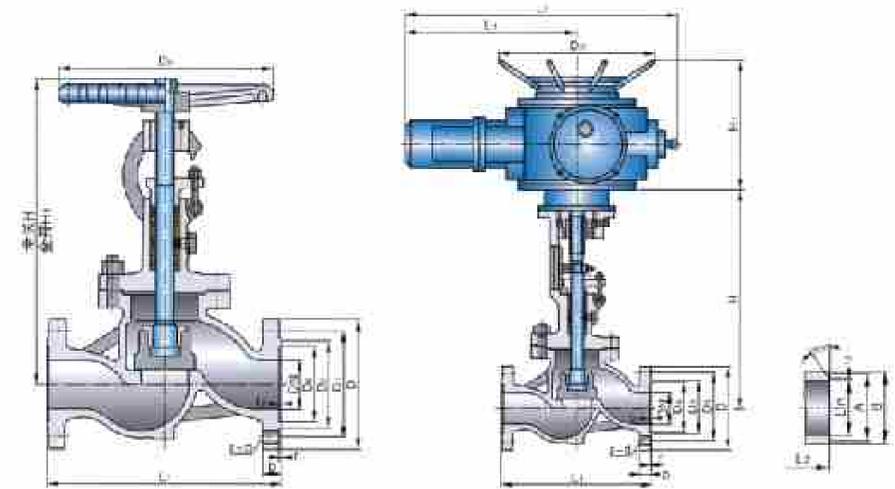
主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸 (mm)																重量 (kg)	
		L1	L2	D	D1	D2	b	f	z-d	Dn	A	B	H	H1	D5	R	BW		
1.6	15	130	140	95	65	45	14	2	4-14	12	15	38	245	280	120	7	6.5		
	20	150	162	105	75	55	14	2	4-14	18	25	44	265	285	140	9	7.5		
	25	160	168	115	85	65	14	2	4-14	25	32	44	270	295	160	10	9.5		
	32	180	184	135	100	78	16	2	4-18	31	38	48	265	315	180	11	13.5		
	40	200	203	145	110	85	16	3	4-18	36	45	55	300	330	200	16	17		
	50	230	229	160	125	100	18	3	4-18	49	57	64	355	390	240	25	23		
	65	260	270	180	145	120	18	3	4-18	66	73	82	415	455	280	32	29		
	80	310	318	195	160	135	20	3	8-18	78	89	94	425	470	280	41	34		
	100	350	368	215	180	155	20	3	8-18	96	108	117	470	520	320	58	64		
	125	400	400	245	210	185	22	3	8-18	121	135	141	500	555	360	80	75		
	150	480	470	290	240	210	24	3	8-23	146	169	175	570	650	400	101	93		
	200	600	587	335	295	265	28	3	12-23	202	219	232	680	770	400	170	155		
2.5	15	130	140	95	65	45	14	2	4-14	12	15	38	245	280	120	7	6.5		
	20	150	162	105	75	55	14	2	4-14	18	25	44	265	285	140	9	7.5		
	25	160	168	115	85	65	14	2	4-14	25	32	44	270	295	160	10	9.5		
	32	180	184	135	100	78	16	2	4-18	31	38	48	265	315	180	11	13.5		
	40	200	203	145	110	85	16	3	4-18	36	45	55	300	330	200	16	17		
	50	230	229	160	125	100	20	3	4-18	49	57	64	355	390	240	25	23		
	65	260	270	180	145	120	22	3	8-18	66	73	82	415	455	280	35	33		
	80	310	318	195	160	135	22	3	8-18	78	89	94	425	470	280	50	48		
	100	350	368	215	180	155	24	3	8-23	96	108	117	470	520	320	65	59		
	125	400	400	245	210	185	26	3	8-23	121	135	144	500	555	360	100	93		
	150	480	444	300	250	218	30	3	8-25	146	169	175	570	650	400	135	120		
	200	600	568	350	310	278	34	3	12-25	202	219	232	680	770	400	190	160		



真空隔离截止阀 Vacuum isolate globe valve

NKJ⁴¹₆₁H-⁴⁰₂₅ NKJ⁴¹₆₁Y-⁴⁰₂₅ NKJ⁴¹₆₁Y-⁴⁰₂₆P NKJ⁴¹₆₁Y-⁴⁰₂₆R



主要外形尺寸及重量 Main size of outside & weight

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸 (mm)																重量 (kg)	
		L1	L2	D	D1	D2	D3	b	f	l	z-d	Dn	A	B	H	H1	D5	R	BW
4.0	15	130	140	95	65	45	14	2	4-14	12	15	38	245	280	120	7	6.5		
	20	150	162	105	75	55	14	2	4-14	18	25	44	265	285	140	9	7.5		
	25	160	168	115	85	65	14	2	4-14	25	32	44	270	295	160	10	9.5		
	32	180	184	135	100	78	16	2	4-18	31	38	48	265	315	180	11	13.5		
	40	200	203	145	110	85	16	3	4-18	36	45	55	300	330	200	16	17		
	50	230	229	160	125	100	18	3	4-18	49	57	64	355	390	240	25	23		
	65	260	270	180	145	120	22	3	8-18	66	73	82	415	455	280	35	33		
	80	310	318	195	160	135	22	3	8-18	78	89	94	425	470	280	50	48		
	100	350	368	215	180	155	24	3	8-23	96	108	117	470	520	320	65	59		
	125	400	400	245	210	185	26	3	8-23	121	135	144	500	555	360	100	93		
	150	480	444	300	250	218	30	3	8-25	146	169	175	570	650	400	135	120		
	200	600	568	350	310	278	34	3	12-23	202	219	232	680	770	400	190	160		
6.4	15	130	140	95	65	45	14	2	4-14	12	15	38	245	280	120	7	6.5		
	20	150	162	105	75	55	14	2	4-14	18	25	44	265	285	140	9	7.5		
	25	160	168	115	85	65	14	2	4-14	25	32	44	270	295	160	10	9.5		
	32	180	184	135	100	78	16	2	4-18	31	38	48	265	315	180	11	13.5		
	40	200	203	145	110	85	16	3	4-18	36	45	55	300	330	200	16	17		
	50	230	229	160	125	100	20	3	4-18	49	57	64	355	390	240	25	23		
	65	260	270	180	145	120	22	3	8-18	66	73	82	415	455	280	35	33		
	80	310	318	195	160	135	22	3	8-18	78	89	94	425	470	280	50	48		
	100	350	368	215	180	155	24	3	8-23	96	108	117	470	520	320	65	59		
	125	400	400	245	210	185	26	3	8-23	121	135	144	500	555	360	100	93		
	150	480	444	300	250	218	30	3	8-25	146	169	175	570	650	400	135	120		
	200	600	568	350	310	278	34	3	12-23	202	219	232	680	770	400	190	160		
10.0	15	130	140	95	65	45	14	2	4-14	12	15	38	245	280	120	7	6.5		
	20	150	162	105	75	55	14	2	4-14	18	25	44	265	285	140	9	7.5		
	25	160	168	115	85	65	14	2	4-14	25	32	44	270	295	160	10	9.5		
	32	180	184	135	100	78	16	2	4-18	31	38	48	265	315	180	11	13.5		
	40	200	203	145	110	85	16	3	4-18	36	45	55	300	330	200	16	17		
	50	230	229	160	125	100	20	3	4-18	49	57	64	355	390	240	25	23		
	65	260	270	180	145	120	22	3	8-18	66	73	82	415	455	280	35	33		
	80	310	318	195	160	135	22	3	8-18	78	89	94	425	470	280	50	48		
	100	350	368	215	180	155	24	3	8-23	96	108	117	470	520	320	65	59		
	125	400	400	245	210	185	26	3	8-23	121	135	144	500	555	360	100	93		
	150	480	444	300	250	218	30	3	8-25	146	169	175	570	650	400	135	120		
	200	600	568	350	310	278	34	3	12-25	202	219	232	680	770	400	190	160		



止回阀系列 Check valve series

止回阀 Check valve

止回阀是指依靠介质本身流动而自动开、闭阀瓣，用来防止介质倒流的阀门，又称逆止阀、单向阀、逆流阀和背压阀。止回阀属于一种自动阀门，其主要作用是防止介质倒流、防止泵及驱动电动机反转，以及容器介质的泄放。

Check valve is to rely on the media itself flow and automatically open, close the valve flap, used to prevent the media back valve, also known as check valve, check valve, counter flow valve, and back pressure valve. Check valve is an automatic valve, its main role is to prevent the media back, to prevent the pump and drive motor reversal, as well as the release of the container medium.

止回阀在水泵供水系统中作用是防止高压水回流对水泵叶轮产生冲击。系统运行中由于某种原因，水泵突然停止运转时，管内压力消失，与水泵出口相连的高压水就会反向流回水泵。水泵出口装有止回阀时，它会立刻关闭，防止高压水反向流回水泵。

Check valve in the water supply system of water supply system is to prevent the impact of high pressure water pump of the high pressure water pump impeller. In the operation of the system for some reason, the pump suddenly stopped running, the pump pressure disappeared, and the pump outlet is connected to the high pressure water will reverse flow back to the pump. When the water pump outlet is provided with a check valve, the water pump can be closed immediately, and the reverse flow back water pump of the high pressure water can be prevented.

止回阀在热水系统的作用是防止热水回流到管道中。如果是PVC管很可能损坏管道，甚至可能伤人。特别是在太阳能热水器系统中。

Check valve in the hot water system is to prevent backflow of hot water into the pipe. If the PVC tube is very likely to burn a bad pipe, and may even hurt people, especially in the solar water heater system.

止回阀的结构特点 The structural characteristics of the check valve:

1. 阀瓣关闭快速，水锤压力小。
Valve flap closed fast, water hammer pressure is small.
2. 没有管道方向要求，安装方便。
No pipeline direction, easy to install.
3. 流通通畅，流体阻力小。
Smooth flow, small fluid resistance.
4. 动作灵敏，密封性能好。
Sensitive and good sealing performance.
5. 阀瓣行程短，关闭冲击力小。
Valve stroke short, close impact force is small.
6. 使用寿命长，性能可靠。
Long service life, reliable performance.

设计制造标准: ASME B16.34, ASME B16.34, API6D, AP594, BS1873, BS5160, BS5332, JPT-75-36, ISO 14313, MSS-SP-42, JIS B 2071, JIS B 2074, JIS B 2084, GB/T 12238, GB/T 12239, JB/T 7749, JB/T 8937等。
Design and manufacturing standards: ASME B16.34, ASME B16.34, API6D, AP594, BS1873, BS5160, BS5332, JPT-75-36, ISO 14313, MSS-SP-42, JIS B 2071, JIS B 2074, JIS B 2084, GB/T 12238, GB/T 12239, JB/T 7749, JB/T 8937 etc.

产品主要参数 Main parameter of the products

基本型号 Basic model	P, DN100(Y), P, DN150(Y), P, DN200(Y), P, DN250(Y), P, DN300(Y), P, DN350(Y), P, DN400(Y), P, DN450(Y), P, DN500(Y), P, DN600(Y), P, DN700(Y), P, DN800(Y), P, DN900(Y), P, DN1000(Y)
压力等级范围 Pressure range	PN 0~42.0MPa(Class150~2500)
通过范围 Path range	DN15~1200mm(NPS1/2~48")

注: P-高压密封; D-低压

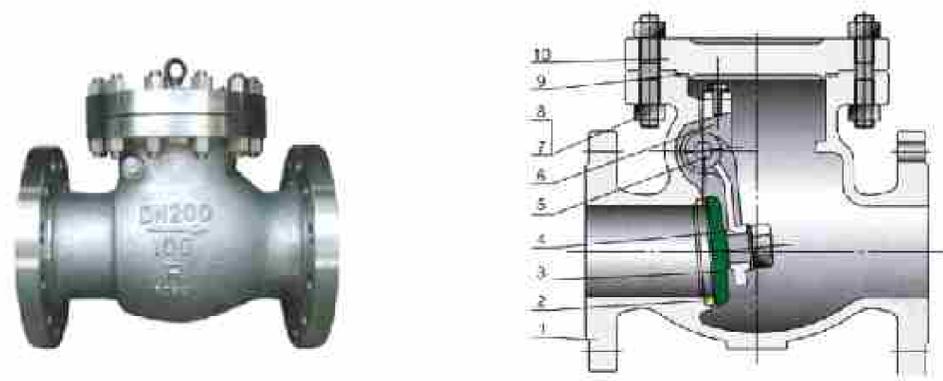
产品性能规范 Product performance specification

压力等级 Pressure class	最高工作压力(MPa) Maximum working pressure(MPa)			适用温度 Applicable temperature	适用介质 Applicable medium	压力等级 Pressure class	最高工作压力(MPa) Maximum working pressure(MPa)			适用温度 Applicable temperature	适用介质 Applicable medium
	壳体试验 Shell test	密封试验 Seal test	工作压力 Working pressure				壳体试验 Shell test	密封试验 Seal test	工作压力 Working pressure		
公称压力 Nominal pressure (MPa)	1.0	1.60	1.10	-196~ 600℃ -320.8~ 1112° F	水、油、蒸汽、 酸、碱、盐、 水、悬浊液、 腐蚀性介质 Water, oil, steam, acid, alkali salt, water, water corrosion resistant and low temperature medium	Class 150 磅级 (lb) Pound (Class)	1.50	3.00	2.20	-196~ 600℃ -320.8~ 1112° F	水、油、蒸汽、 酸、碱、盐、 水、悬浊液、 腐蚀性介质 Water, oil, steam, acid, alkali salt, water, water corrosion resistant and low temperature medium
	1.6	2.70	1.76				300	7.50	5.50		
	2.5	3.76	2.76				400	9.45	6.93		
	4.0	6.00	4.40				600	15.60	12.10		
	6.4	9.0	7.04				900	21.00	16.40		
	10.0	15.00	11.00				900	22.60	18.60		
	16.0	24.00	17.60				1500	39.00	29.60		
	25.0	37.50	27.50				2500	61.00	46.20		





旋启式止回阀 Swing check valve



产品采用标准 Technical specification

结构形式 Structural formation	螺栓端盖型旋启式止回阀 Bolt bonnet swing type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12236, GB/T 19672	API6D, BS1868
结构长度 Face to face	GB/T 12221, GB/T 19672	API6D, ASMEB16.10
连接法兰 Flanged ends	GB/T 9113, HG/T 20532, HG/T 20615	ASME B16.5
试验和检验 Test&inspection	GB/T 13027, JB/T 9092	API598 API6D BS6755

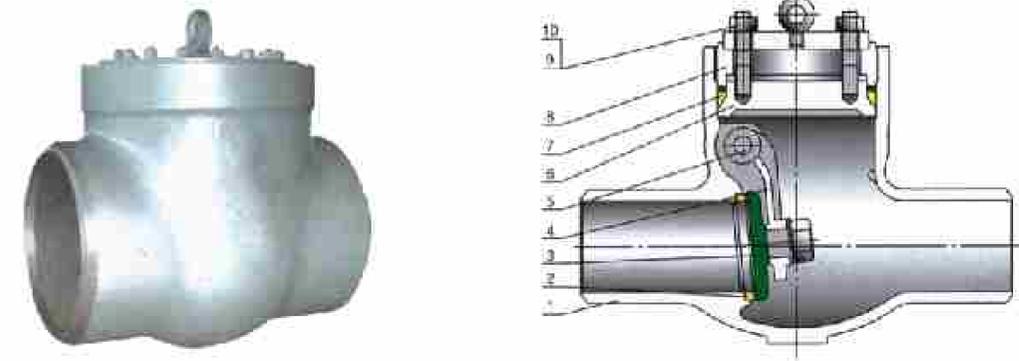
注：阀门连接法兰及对接端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No	零件名称 Part name	材料 Material	
		GB	ASTM
1	阀体 Body	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
2	阀座 Seat	25, 1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2MoV	A105, F11, F22, F5, F9, F304, F316, F321, F304L, F316L
3	阀盖 Disc	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
4	摇杆 Rocker	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
5	销轴 Pivot	1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti	Gr.F8a, F22, F304, F316, F321, F304L, F316L
6	连接盖 Join the shell	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
7	双头螺栓 Stud	25Cr2MoA, 25Cr2MoV, 0Cr18Ni9, 0Cr17Ni12Mo2	A193-B7, A320-B8, A193-B8M, A193-B16
8	六角螺母 Six angle nuts	45, 35CrMoA, 25Cr2MoV, 0Cr18Ni9, 0Cr17Ni12Mo2	A194-2H, A194-8, A194-8M, A194-4
9	垫片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel	柔性石墨+不锈钢 Graphite & stainless steel
10	阀盖 Bonnet	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M



自密封(PS)对焊旋启式止回阀 Self sealing (PS) on swing check valve



产品采用标准 Technical specification

结构形式 Structural formation	压力密封型旋启式止回阀 Pressure sealed swing type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12236, GB/T 19672	API6D, BS1868
结构长度 Face to face	GB/T 12221, GB/T 19672	API6D ASMEB16.10
对接端 Butt-welding ends	GB/T 12224	ASME B16.25
试验和检验 Test&inspection	GB/T 13027, JB/T 9092	API596 API6D BS6755

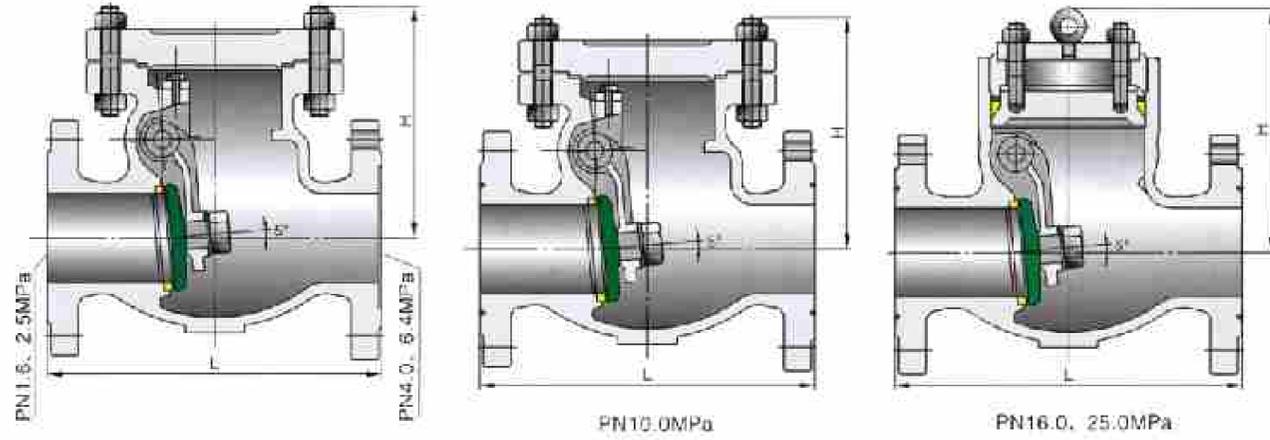
注：阀门连接法兰及对接端尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No	零件名称 Part name	材料 Material	
		ASTM	GB
1	阀体 Body	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
2	阀盖 Disc	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
3	阀座 Seat	A105, F11, F22, F5, F9, F304, F316, F321, F304L, F316L	25, 1Cr13Ni9Ti, 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2MoV
4	摇杆 Rocker	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
5	销轴 Pivot	Gr.F8a, F22, F304, F316, F321, F304L, F316L	1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
6	阀盖 Bonnet	A105, F11, F22, F5, F9, F304, F316, F321, F304L, F316L	25, 1Cr13Ni9Ti, 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2MoV
7	密封圈 Sealing ring	柔性石墨+不锈钢丝 Graphite & stainless wire	柔性石墨+不锈钢丝 Graphite & stainless wire
8	压盖 Cover	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
9	双头螺栓 Stud	A193-B7, A193-B8, A193-B8M, B16	35CrMoA, 25Cr2MoV, 0Cr18Ni9, 0Cr17Ni12Mo2
10	六角螺母 Six angle nuts	A194-2H, A194-8, A194-8M, 4	45, 35CrMoA, 25Cr2MoV, 0Cr18Ni9, 0Cr17Ni12Mo2



国标旋启式止回阀 GB Swing check valve

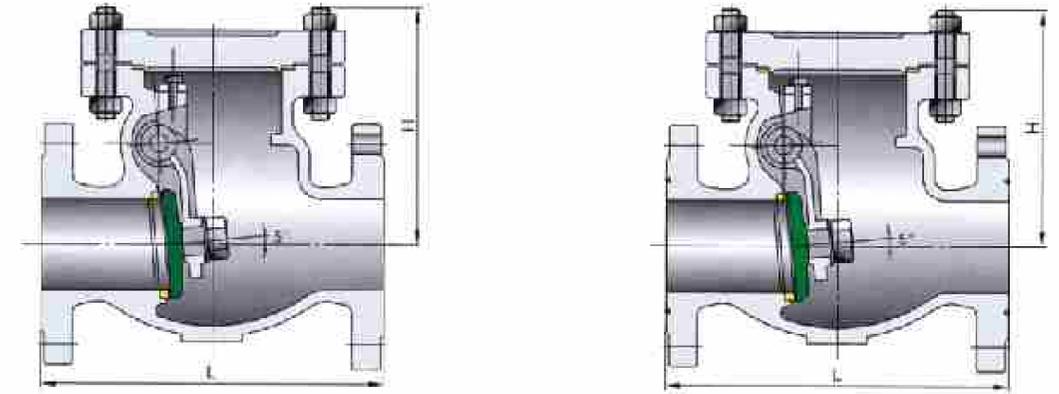


主要外形尺寸及重量 Main size of outside & weight
型号 Model: H44H, H44Y

PN (MPa)	DN (mm)	R-Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	R-Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	R-Dimensions (mm)		重量 Weight (kg)
		L	H				L	H				L	H	
1.6	50	230	166	23	4.0	50	230	180	27	10.0	50	300	196	43
	65	290	180	25		65	290	185	33		65	340	213	52
	80	310	190	35		80	310	195	37		80	380	240	75
	100	350	208	40		100	350	220	56		100	430	270	112
	150	480	270	81		150	480	273	105		150	550	366	220
	200	600	295	96		200	600	352	140		200	650	425	345
	250	720	337	125		250	730	413	200		250	775	456	475
	300	850	386	265		300	850	432	292		300	800	756	52
	350	980	430	364		350	980	465	396		350	940	836	52
	400	1100	475	485		400	1100	567	507		400	1000	924	113
500	1250	565	590	500	1250	620	648	500	1100	1019	165			
2.5	50	230	180	25	6.4	50	300	195	32	16.0	50	300	256	52
	65	290	195	32		65	340	213	45		65	340	286	52
	80	310	195	35		80	380	213	50		80	380	324	75
	100	350	220	55		100	430	240	75		100	430	375	75
	150	480	273	104		150	550	302	155		150	550	515	65
	200	600	357	138		200	650	367	220		200	650	619	79
	250	720	413	198		250	775	410	348		250	775	736	35
	300	850	432	388		300	900	465	475		300	900	810	172
	350	980	455	398		350	1025	520	633		350	1025	885	275
	400	1100	567	498		400	1150	577	855		400	1150	932	325
500	1250	620	613	500	1400	675	1030	500	1400	1031	395			



美标旋启式止回阀 ANSI Swing check valve



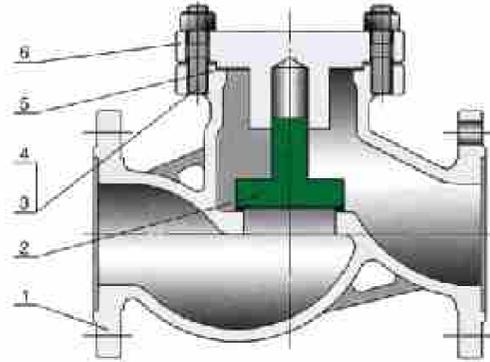
主要外形尺寸及重量 Main size of outside & weight
型号 Model: H44H, H44Y

Class	DN (mm)	NPS (in)	R-Dimensions (mm)		重量 Weight (kg)
			L	H	
150	50	2	203	166	17
	65	2 1/2	215	182	26
	80	3	241	195	32
	100	4	292	238	45
	150	6	358	280	75
	200	8	495	295	135
	250	10	622	350	230
	300	12	692	435	275
	350	14	757	446	335
	400	16	864	433	442
300	50	2	205	166	17
	65	2 1/2	215	182	26
	80	3	241	195	32
	100	4	292	238	45
	150	6	358	280	75
	200	8	495	295	135
	250	10	622	350	230
	300	12	692	435	275
	350	14	757	446	335
	400	16	864	433	442
600	50	2	205	166	17
	65	2 1/2	215	182	26
	80	3	241	195	32
	100	4	292	238	45
	150	6	358	280	75
	200	8	495	295	135
	250	10	622	350	230
	300	12	692	435	275
	350	14	757	446	335
	400	16	864	433	442

Class	DN (mm)	NPS (in)	R-Dimensions (mm)		重量 Weight (kg)
			L	H	
300	50	2	267	175	22
	65	2 1/2	292	186	24
	80	3	315	212	36
	100	4	358	238	52
	150	6	445	302	66
	200	8	593	362	166
	250	10	622	392	207
	300	12	711	440	278
	350	14	839	450	402
	400	16	864	430	546
600	50	2	205	166	17
	65	2 1/2	215	182	26
	80	3	241	195	32
	100	4	292	238	45
	150	6	358	280	75
	200	8	495	295	135
	250	10	622	350	230
	300	12	692	435	275
	350	14	757	446	335
	400	16	864	433	442



升降式止回阀 Piston-lift type check valve



产品采用标准 Technical specification

结构形式 Structural form	螺旋壳升降式止回阀 Spiral shell's piston lifting type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12235	API6D B51966
结构长度 Face to face	GB/T 12221	ASME B16.10
连接法兰 Flanged ends	GB/T 9113 HG/T 20592	ASME B16.5
试验和检验 Test&inspection	GB/T 13027, JB/T 9092	API 508 B56755

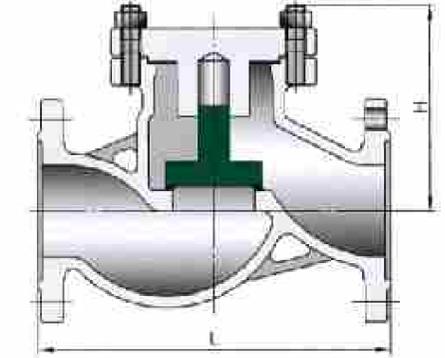
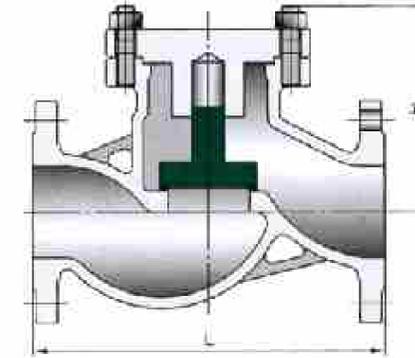
注：阀门连接法兰及对接焊缝尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminus can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No	零件名称 Part name	材料 Material	
		GB	ASIM
1	阀体 Body	WC6, WC1, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WC6, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	WC6, WC1, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WC6, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M
3	双头螺栓 Stud	S5CrMoA, 25Cr2MoV, DC18Ni9, DC17Ni12Mo2	A193-B7, A320-B8, A193-B8M, A193-B16
4	六角螺母 Six angle nuts	A5, 35CrMoA, 25Cr2MoV, DC18Ni9, DC17Ni12Mo2	A194-2H, A194-3, A194-8M, A194-1
5	垫片 Gasket	柔性石墨+不锈钢 Graphite&stainless steel	柔性石墨+不锈钢 Graphite&stainless steel
6	阀盖 Bonnet	WC6, WC1, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M	WC6, WC1, WC6, WC9, C5, CF8, CF8M, CF8C, CF3, CF3M



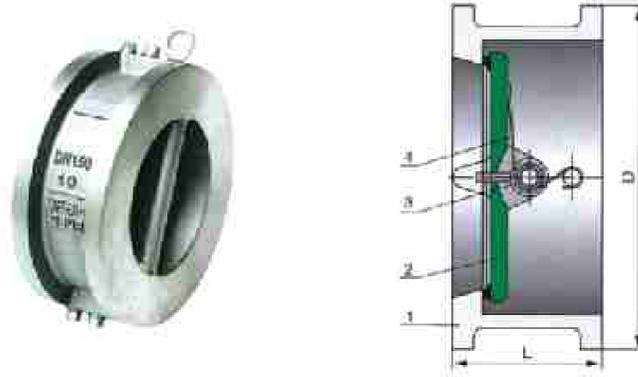
国标升降式止回阀 GB piston-lift type check valve



主要外形尺寸及重量 Main size of outside & weight
型号 Model: H44H, H44Y

Class	DN (mm)	R-1 Dimensions (mm)		重量 Weight (kg)
		L	H	
1.5	60	230	115	20
	65	280	140	24
	80	315	175	33
	100	350	203	42
	125	400	228	53
	150	480	250	64
	200	600	285	100
2.5	60	235	115	21
	65	290	140	25
	80	310	175	31
	100	350	203	42
	125	400	228	60
	150	480	250	88
	200	600	285	102
4.0	60	230	150	17
	65	290	160	22
	80	310	178	24
	100	350	203	42
	125	400	228	75
	150	480	265	105
	200	600	317	150

Class	DN (mm)	R-1 Dimensions (mm)		重量 Weight (kg)
		L	H	
6.4	50	300	175	30
	65	340	193	36
	80	350	208	48
	100	430	230	70
	125	500	268	107
	150	550	312	145
	200	650	353	195
10.0	50	300	175	30
	65	340	193	43
	80	350	238	55
	100	430	260	89
	125	500	313	132
	150	550	355	123
	200	650	402	143
16.0	60	300	175	32
	65	340	193	46
	80	350	238	240
	100	430	268	273



产品采用标准 Technical specification

结构形式 Structural formation	双瓣旋启式止回阀 Dual-disc swing type check valve
设计标准 Design standard	GB/T 19672, JB/T 8937
结构长度 Face to face	GB/T 12221, GB/T 19672, TB/T 8937
连接法兰面 Flanged ends	GB/T 9113, HG20592, HG20615
试验和检验 Test/inspection	GB/T 13927, JB/T 9092

注：阀门连接法兰面尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting terminals can be designed according to customer's requirement.

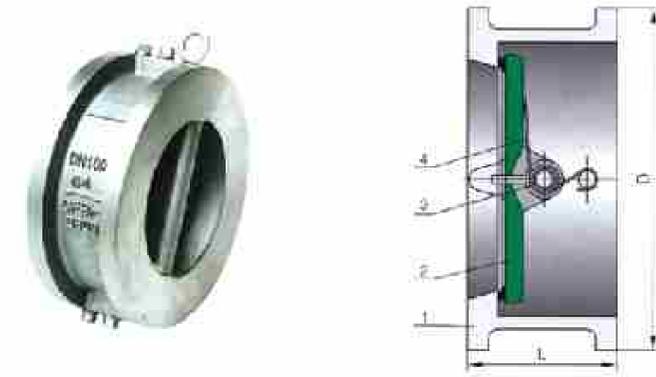
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	WCB, CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	WCB, CF8, CF8M, CF8C, CF3, CF3M
3	销轴 Pivot	1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, 3Cr18Ni9
4	弹簧 Spring	4Cr13, 6Si2Mn, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, Inconel x-750

主要外形尺寸及重量 Main size of outside & weight

型号 Model H76H, H76Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	D				L	D				L	D	
1.0	50	50	109	2	1.6	50	60	109	2	2.5	50	60	109	2
	65	67	129	3		65	67	129	3		65	67	129	3
	80	73	144	4.2		80	73	144	4.2		80	73	144	4.2
	100	73	164	6.2		100	73	164	6.2		100	73	170	6.2
	125	86	194	7.5		125	86	194	7.5		125	86	197	9
	150	88	220	11.5		150	88	220	11.5		150	88	227	12.5
	200	127	275	20.2		200	127	275	20.2		200	127	257	23
	250	146	330	31		250	146	332	32		250	146	343	40
	300	181	380	48.2		300	181	387	51		300	181	433	55
	350	184	410	72.5		350	184	417	73		350	184	453	82
	400	190	492	104.5		400	190	498	108		400	190	513	118
	450	203	572	151		450	203	568	150		450	203	568	212
500	219	597	180	500	219	620	200	500	219	624	240			
600	222	696	300	600	222	734	320	600	222	734	412			



产品采用标准 Technical specification

结构形式 Structural formation	双瓣旋启式止回阀 Dual-disc swing type check valve
设计标准 Design standard	GB/T 19672, JB/T 8937
结构长度 Face to face	GB/T 12221, GB/T 19672, TB/T 8937
连接法兰面 Flanged ends	GB/T 9113, HG20592, HG20615
试验和检验 Test/inspection	GB/T 13927, JB/T 9092

注：阀门连接法兰面尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting terminals can be designed according to customer's requirement.

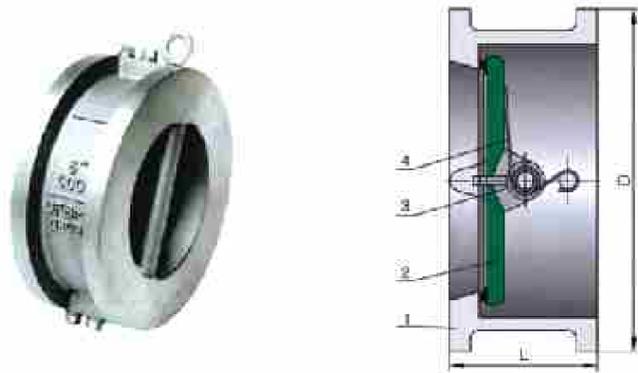
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	WCB, CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	WCB, CF8, CF8M, CF8C, CF3, CF3M
3	销轴 Pivot	1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, 3Cr18Ni9
4	弹簧 Spring	4Cr13, 6Si2Mn, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, Inconel x-750

主要外形尺寸及重量 Main size of outside & weight

型号 Model H76H, H76Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	D				L	D				L	D	
1.0	50	50	109	2	1.6	50	60	115	2.6	10.0	50	60	122	4
	65	67	129	3		65	67	140	5		65	67	147	6
	80	73	144	4.2		80	73	150	7.2		80	73	157	8
	100	73	164	6.2		100	73	170	9.3		100	79	183	12
	125	86	194	7.5		125	86	197	16		125	86	205	21
	150	88	220	11.5		150	88	227	12.5		150	88	230	34
	200	127	275	20.2		200	127	257	23		200	127	263	34
	250	146	330	31		250	146	343	40		250	146	354	77
	300	181	380	48.2		300	181	433	55		300	181	444	112
	350	184	410	72.5		350	184	453	82		350	184	465	142
	400	190	492	104.5		400	190	513	118		400	190	524	172
	450	203	572	151		450	203	568	150		450	203	579	212
500	219	597	180	500	219	624	240	500	219	635	282			
600	222	696	300	600	222	734	412	600	222	745	555			



产品采用标准 Technical specification

结构形式 Structural formation	双瓣旋启式止回阀 Dual-disc swing type check valve
设计标准 Design standard	API6D, API 594
结构长度 Face to face	ASME B16.10, API 594, API6D
连接法兰面 Flanged ends	ASME B16.5
试验和检验 Test & inspection	API 598

注：阀门连接法兰面尺寸可根据用户要求设计制造。
 Note: The sizes of valve connecting terminals can be designed according to customer's requirement.

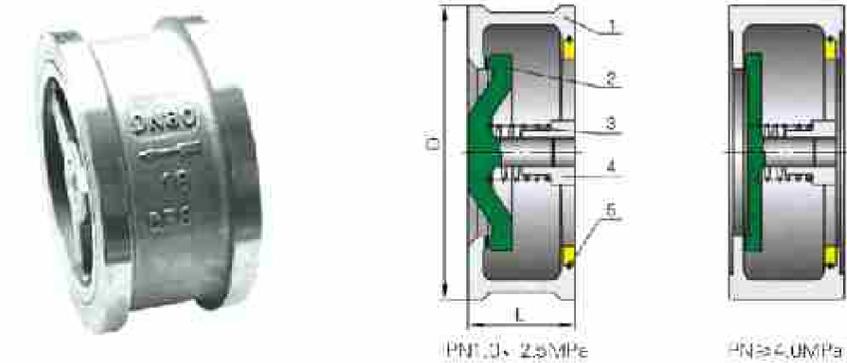
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	ASTM A216-WCB, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	ASTM A216-WCB, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
3	轴销 Pivot	ASTM A182-F66, ASTM A192-F22, ASTM A182-F304, F316, F321, F304L, F316L
4	弹簧 Spring	AISI 9253, AISI 9160, ASTM A182-F304, F316, F321, F304L, F316L, Inconel x-750

主要外形尺寸及重量 Main size of outside & weight

型号 Model H76H, H76Y

Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	D					L	D					L	D	
150	50	2	60	103	7	600	50	2	80	110	3.5	900	50	2	60	110	3.5
	65	2 1/2	67	122	7		65	2 1/2	87	149	5		65	2 1/2	67	129	5
	80	3	73	135	7		80	3	73	149	7		80	3	73	149	7
	100	4	73	173	8		100	4	73	189	10		100	4	73	189	10
	125	5	88	196	9		125	5	105	240	22.5		125	5	105	240	22.5
	150	6	98	222	12		150	6	137	265	35		150	6	137	265	35
	200	8	127	279	22		200	8	165	310	45		200	8	165	310	45
	250	10	146	339	38		250	10	213	390	77		250	10	213	390	77
	300	12	181	439	54		300	12	229	486	110		300	12	229	486	110
	350	14	184	450	80		350	14	273	489	155		350	14	273	489	155
	400	16	191	514	118		400	16	305	560	163		400	16	305	560	163
450	18	203	549	210	450	18	320	560	163	450	18	320	560	163			
500	20	213	606	240	500	20	320	560	163	500	20	320	560	163			
600	24	222	717	410	600	24	320	560	163	600	24	320	560	163			



产品采用标准 Technical specification

结构形式 Structural formation	对夹升降式止回阀 Butt-clamped lifting vertical type check valve
设计标准 Design standard	JBT 6937
结构长度 Face to Face	GB/T 12221
连接法兰面 Flanged ends	GB/T 9113, HG20602, HG20615
试验和检验 Test & inspection	GB/T13827, JB/T9392

注：阀门连接法兰面尺寸可根据用户要求设计制造。
 Note: The sizes of valve connecting terminals can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	WCB, CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	WCB, CF8, CF8M, CF8C, CF3, CF3M
3	弹簧 Spring	1Cr13, 60Si2Mn, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, Inconel x-750
4	压板 Plate	WCB, CF8, CF8M, CF8C, CF3, CF3M
5	挡圈 Lock ring	4Cr13, 60Si2Mn, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, Inconel x-750

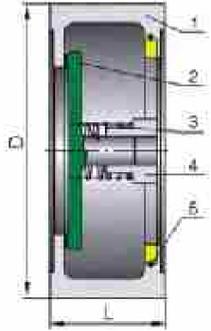
主要外形尺寸及重量 Main size of outside & weight

型号 Model H72H, H72Y

Class	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	Class	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	Class	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	D					L	D					L	D	
1.0	1.0	15	18	53	0.15	2.5	2.5	15	16	53	0.2	4.0	4.0	15	25	53	0.3
		20	13	65	0.25			20	19	63	0.3			20	31.5	74	0.4
		25	22	75	0.4			25	27	78	0.45			25	35.5	84	0.6
		32	28	84	0.55			32	28	84	0.6			32	40	90	1.0
		40	31.5	94	0.75			40	31.5	94	0.8			40	45	105	1.5
		50	40	109	1.2			50	40	109	1.2			50	56	115	2.0
1.6	1.6	65	45	129	2.0	2.5	2.5	65	46	129	2.3	4.0	4.0	65	63	140	3.2
		80	50	144	2.6			80	60	144	3.0			80	71	150	3.9
		100	60	164	5.7			100	60	170	7.0			100	80	177	11
		125	80	194	10			125	90	197	12			125	110	213	15
		150	106	220	13			150	106	220	13			150	125	250	22



GB对夹式连接升降式止回阀 GB wafer type piston-lift check valve



PN≥4.0MPa

产品采用标准 Technical specification

Table with 2 columns: 结构形式 Structural formation and 对夹升降式止回阀 Back-clamped lifting vertical type check valve. Rows include Design standard (JB/T 8057), Face to face (GB/T 12221), Flanged ends (GB/T 8113, HG20692, HG20615), and Test & inspection (GB/T 3927, JB/T 9092).

注：阀门连接面尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting terminals can be designed according to customer's requirement.

主要零件材料 Major parts material form

Table with 3 columns: 序号 Part name, 材料 Material. Rows list Body, Disc, Spring, Plate, and Ock ring with their respective material grades.

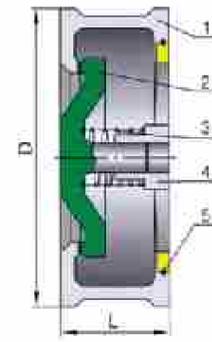
主要外形尺寸及重量 Main size of outside & weight

型号 Model H72H, H72Y

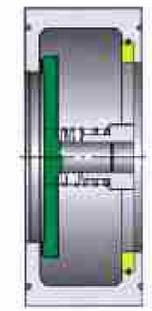
Large table with columns for DN, Dimensions (L, D), Weight, and PN. It lists specifications for various sizes from 15 to 150 mm DN.



美标对夹式连接升降式止回阀 ANSI wafer type piston-lift check valve



Class 150-300



Class 600

产品采用标准 Technical specification

Table with 2 columns: 结构形式 Structural formation and 对夹升降式止回阀 Wafer lifting vertical type check valve. Rows include Design standard (API 594), Face to face (ASME B16.10), Flanged ends (ASME B18.5), and Test & inspection (API 594).

注：阀门连接面尺寸可根据用户要求设计制造。
Note: The sizes of valve connecting terminals can be designed according to customer's requirement.

主要零件材料 Major parts material form

Table with 3 columns: 序号 Part name, 材料 Material. Rows list Body, Disc, Spring, Plate, and Ock ring with their respective material grades.

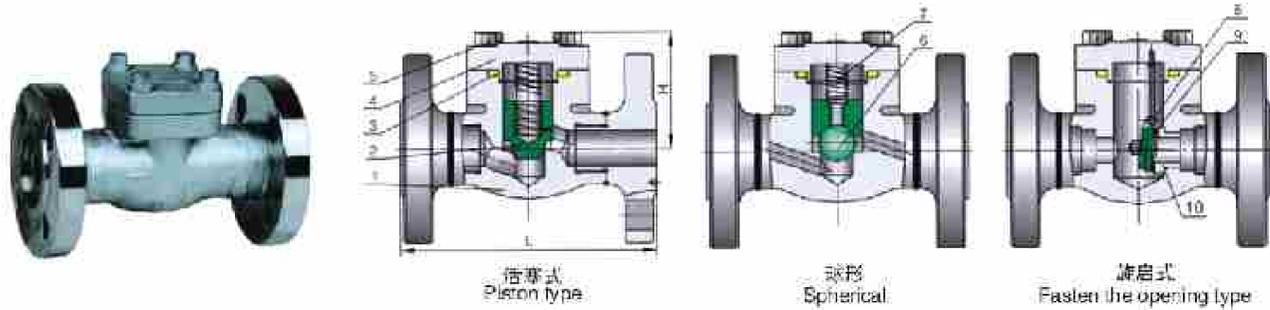
主要外形尺寸及重量 Main size of outside & weight

型号 Model H72H, H72Y

Table with columns for Class, DN, NPS, Dimensions (L, D), Weight, and PN. It lists specifications for various sizes across different pressure classes (150, 300, 600, 900).



锻钢止回阀 Forged steel check valve



产品采用标准 Technical specification

结构形式 Structural form	螺栓法兰升降式、快开型升降式止回阀 Bolt-jointed bonnet lifting type, bolt-jointed bonnet swing type check valve
设计标准 Design standard	API607, AS5367
结构长度 Face to face	ASME B16.10
法兰连接 Flanged ends	ASME B16.5
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Socket welded ends	ASME B16.11
试验和检验 Test & inspection	API699, BS 6755

注：阀门连接法兰及承插焊尺寸可根据客户要求设计制造。
Note: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材料 Material
1	阀体 Body	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
2	阀盖 Bonnet	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
3	弹簧 Spring	柔性石墨+不锈钢 Graphite & Stainless steel
4	阀盖 Runner	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
5	螺栓 Bolt	ASTM A193-B7, A320-B8, A193-B8M
6	球 Ball	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
7	弹簧 Spring	AISI 92F0, AISI 6150, ASTM A182-F304, F316, F321, F304L, F316L, Inconel-700
8	阀杆 Rod	ASTM A182-F6a, ASTM A182-F22, ASTM A182-F301, F316, F321, F304L, F316L
9	销轴 Pivot	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L
10	阀座 Seat	ASTM A105, ASTM A182-F11, F22, F5, F9, ASTM A182-F304, F316, F321, F304L, F316L

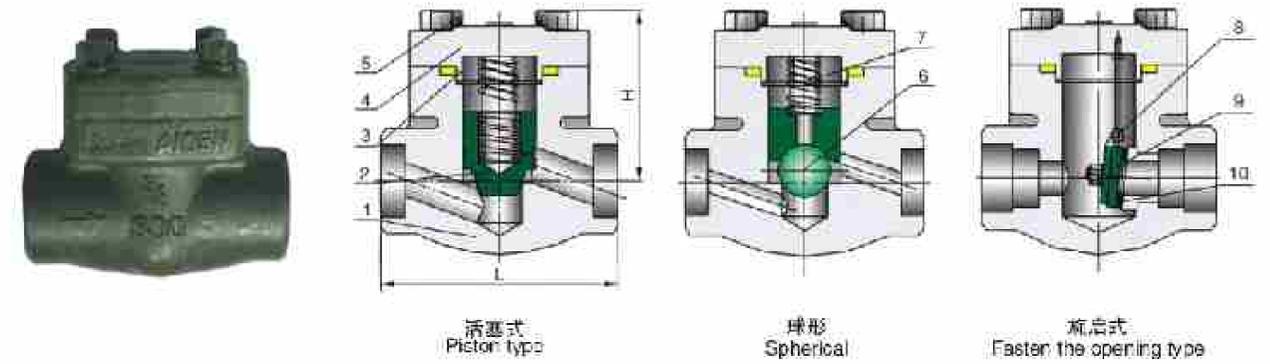
主要外形尺寸及重量 Main size of outside & weight

型号 Model: H41H, H41Y, H44H, H44Y

Class	NPS	150			重量 Weight (kg)	300			重量 Weight (kg)	600			重量 Weight (kg)
		尺寸 Dimension (mm)	尺寸 Dimension (mm)	尺寸 Dimension (mm)		尺寸 Dimension (mm)	尺寸 Dimension (mm)	尺寸 Dimension (mm)		尺寸 Dimension (mm)			
15	1/2	139	119	60	2.5(2.5)	152.5	163.5	60	2.5(2.7)	185	163.5	60	2.8(3.0)
20	3/4	117.5	130	60	3.3(3.4)	178	191	60	3.5(3.5)	191	190.5	60	4.2(4.3)
25	1	127	140	76	4.8(4.4)	203	216	76	5.0(4.8)	216	216	76	5.2(5.0)
32	1 1/4	143	153	85	7.0(6.7)	216	229	85	7.5(6.8)	229	229	85	7.7(6.5)
40	1 1/2	165	178	103	7.5(6.5)	228.5	241	103	7.9(9.8)	241	241	103	9.3(10.0)
50	2	203	210	118	11.0(12.5)	266.5	282	118	11.0(13.6)	282	286	118	13.2(15.0)



锻钢止回阀 Forged steel check valve



主要外形尺寸及重量 Main size of outside & weight

型号 Model: H41H, H41Y, H44H, H44Y

Class	DN(mm)		NPS(in)		R (Dimension mm)		重量 Weight (kg)
	缩径 Reduced bore	全径 Full bore	缩径 Reduced bore	全径 Full bore	L	H	
800 (活塞式) Piston type	15	10	1/2	3/8	60	61	1.3
	20	15	3/4	1/2	92	61	1.1
	25	20	1	3/4	111	78	1.8
	32	26	1 1/4	1	120	88	3.2
	40	32	1 1/2	1 1/4	120	103	4.5
	50	40	2	1 1/2	140	119	7.3
800 (活塞式、球形) Piston type & spherical	60	80	2	2	170	132	8.9
	15	10	1/2	3/8	60	61	1.2
	20	15	3/4	1/2	89	61	1.4
	25	20	1	3/4	111	78	2.5
	32	25	1 1/4	1	120	85	3.0
	40	32	1 1/2	1 1/4	152	103	5.5
1500 (快开式) Fasten the opening type	50	40	2	1 1/2	170	119	8.9
	60	60	2	2	200	132	12.5
	15	10	1/2	3/8	111	79	3.3
	20	15	3/4	1/2	111	79	3.3
	25	20	1	3/4	120	96	4.3
	32	25	1 1/4	1	140	105	6.0
1500 (活塞式、球形) Piston type & spherical	40	32	1 1/2	1 1/4	140	120	8.7
	50	40	2	1 1/2	160	140	12.5
	60	60	2	2	220	160	16.0
	15	10	1/2	3/8	111	79	3.0
	20	15	3/4	1/2	111	79	3.5
	25	20	1	3/4	130	96	4.7



电站阀系列 Power station valve series

高温高压电站阀门 High temperature and high pressure valve for power station

产品结构特点 Products design features

1. 操作传动方式有：手轮、电动、正、伞齿轮传动、气动等，订货时应注明传动方式。
Actuation modes: manual, electric, spur and bevel gear, pneumatic actuations, please make it clear at order.
2. 焊接连接结构闸阀、截止阀适用于公称压力PN1.6~32.0MPa，及P54/100V~P57/170V，工作温度≤621℃（其中P57/170V工作温度570℃）的石油、化工、火力、水力各种系统的管路上，切断和接通管路介质。适用介质为水、蒸汽、油品、酸性介质等。
Weld-connected gate valve and stop valve are suitable for the pipeline of PN1.6~32.0MPa, P54/100V~P57/170V, a working temperature ≤621℃ (570℃ for P57/170V) in various system of petroleum, chemical industry, steam power, hydraulic etc. To cut off and get through the medium. The suitable media are water, steam, oil goods, acid media and so on.
3. 符合国内外先进标准的要求，阀门中部采用压力自紧式密封结构，连接两端采用对焊结构，焊接接口可按标准或用户需求配备，密封可靠、性能良好、造型美观。
Conforms with the requirements of the domestic and foreign advanced standards. The middle cavity of the valve uses the pressure self-tightening sealing structure, the two ends of the branch pipe use welded structure and the welded groove can be connected per either the standard or the required one by users. Of a reliable seal, good performance and nice modeling.
4. 阀瓣、阀座密封面根据不同的要求采用铁基合金堆焊或司太立/Stellite 与基体合金堆焊而成耐磨、耐高温、耐腐蚀、抗冲刷性能好，使用寿命长。
The sealing face of both disc and seat ring are made by means of built-up welding with either iron-based alloy or Stellite Co-based carbide alloy, upon different requirement, wearable, high temperature resisting, corrosion resisting, good friction resisting and long duration.
5. 阀杆经调质及表面氮化处理，有良好的抗摩擦性和抗腐蚀性，具有倒密封结构，保证阀门在运行时开启不致向外漏，同时可更换阀杆填料。
The stem, after the modified and surface nitriding treatment, has a good friction and corrosion resistance and a back-seal structure to ensure the valve no leak outward from the stem when operate during running and able to replace the stem packing.
6. 中大口径可采用由旁路结构并设置密封轴承与推力轴承，开关灵活、扭矩较大。
The valves with a large or a middle apertures can use the internal by-pass structure and be set with a rolling bearing and a thrust bearing, resulting in flexible open-close.
7. 电动截止阀配有SMC阀门电动装置，具有体积小、重量轻、功能全，外形美观紧凑，并可与计算机配套使用，也可按用户需求选配电动装置。
The electric stop valve is fitted with SMC valve electric actuator, features a small casing, light weight, full functions and a nice outlook, and can be use either with a program controlled computer or an electric actuator upon the user requirement.

产品主要参数 Main parameter of the products

基本型式 Serial modes		闸阀 Gate valve	Z6CY、Z560Y、Z56DY		
		截止阀 Globe valve	J61Y、J561Y、J661Y、J65Y、J555Y、365Y		
		止回阀 Check valve	H61Y		
压力等级范围 Pressure grade range		Class1500~3500			
口径范围 Diameter range		2 1/2~22"			
驱动方式及 适用范围 Driving manner & scope of application	闸阀 Gate valve	手轮驱动 Hand wheel driving	Class1500 1/2"-3"	Class2000-2500 1/2"-6"	Class3500 3"-4"
		伞齿轮 Bevel gear	Class1500 3"-22"	Class2000-2500 6"-16"	Class3500 6"-12"
		电动 Electric driving	Class1500 2 1/2"-22"	Class2000-2500 2 1/2"-16"	Class3000 10"-22"
	截止阀 Globe valve	手轮驱动 Hand wheel driving	Class1500 1/2"-4"	Class2000-2500 2"-4"	Class3500 1/2"-3"
		伞齿轮 Bevel gear	Class1500 1"-6"	Class2000-2500 4"-12"	Class3500 3"-4"
		电动 Electric driving		Class1500 3"-8"	Class2000-2500 2 1/2"-6"
Y型 截止阀 Y type globe valve	手轮驱动 Hand wheel driving		Class1500 2 1/2"-6"	Class2500 2"-4"	
	伞齿轮 Bevel gear	Class1500 5"-6"	Class2000 4"-12"	Class2500 3"-14"	Class3500 3"-5"
	电动 Electric driving	Class1500 1/2"-8"	Class2000 4"-12"	Class2500 2"-14"	Class3500 3"-5"
止回阀 Check valve	-	Class1500-2000 1/2"-14"		Class3500 3"-8"	

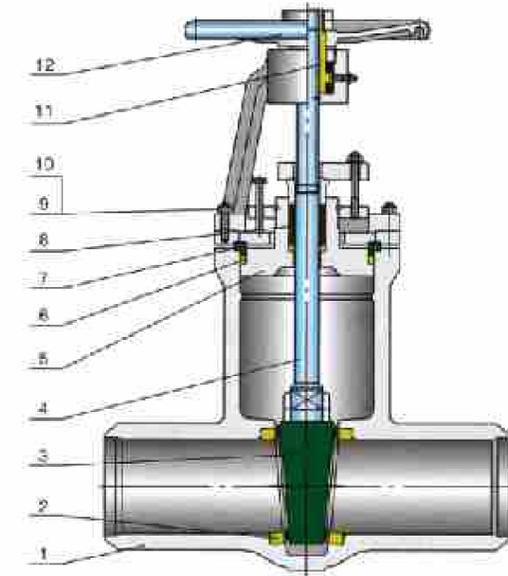




产品性能规范 Products performance specification

压力级 Pressure class	材料 Material	强度试验 (MPa) Shell test	密封试验与上密封试验 (MPa) Seat test & back seat test	工作压力 (MPa) Working pressure	工作温度 (°C) Working temperature
1600	WC8	35.20	23.00	26.00/14.40	-30~427
	WC1	35.70	23.85	24.40/1.7	-30~470
	WC8	39.50	23.00	26.40/3.4	-30~593
	WC9	39.60	23.60	26.40/4.0	-30~593
	C12A	34.80	24.50	25.80/7.84	-30~550
2000	WC8	52.20	33.15	34.70/19.30	-30~427
	WC1	48.50	35.75	37.50/22.80	-30~470
	WC8	62.80	33.72	36.20/4.83	-30~593
	WC9	62.60	33.72	35.20/5.30	-30~593
	C12A	51.70	35.0	34.4/10.24	-30~550
2500	WC8	65.20	47.75	43.40/24.10	-30~427
	WC1	61.20	44.75	40.70/28.50	-30~470
	WC8	88.80	43.29	43.00/6.83	-30~593
	WC9	10.80	43.29	43.00/6.60	-30~593
	C12A	65.60	43.29	43.00/12.78	-30~550
3000	WC8	78.20*	57.30	52.10/28.90	-30~427
	WC1	73.40*	53.80	48.90/34.30	-30~470
	WC8	79.10*	55.0	52.70/6.75	-30~593
	WC9	79.10*	55.0	52.70/13.10	-30~593
	C12A	77.60	53.90	51.70/15.36	-30~550
3500	WC8	91.20*	65.75	60.40/33.70	-30~427
	WC1	86.60*	62.70	57.00/40.00	-30~470
	WC8	92.30*	67.65	61.50/7.83	-30~593
	WC9	92.30*	67.65	61.50/9.33	-30~593
	C12A	80.60	65.33	63.3/17.93	-30~550

注：带 * 号强度试验压力与用户商定为 1.5 倍设计压力。
Note: the shell test pressure with * mark can be negotiated with user and specified as 1.5 times design pressure



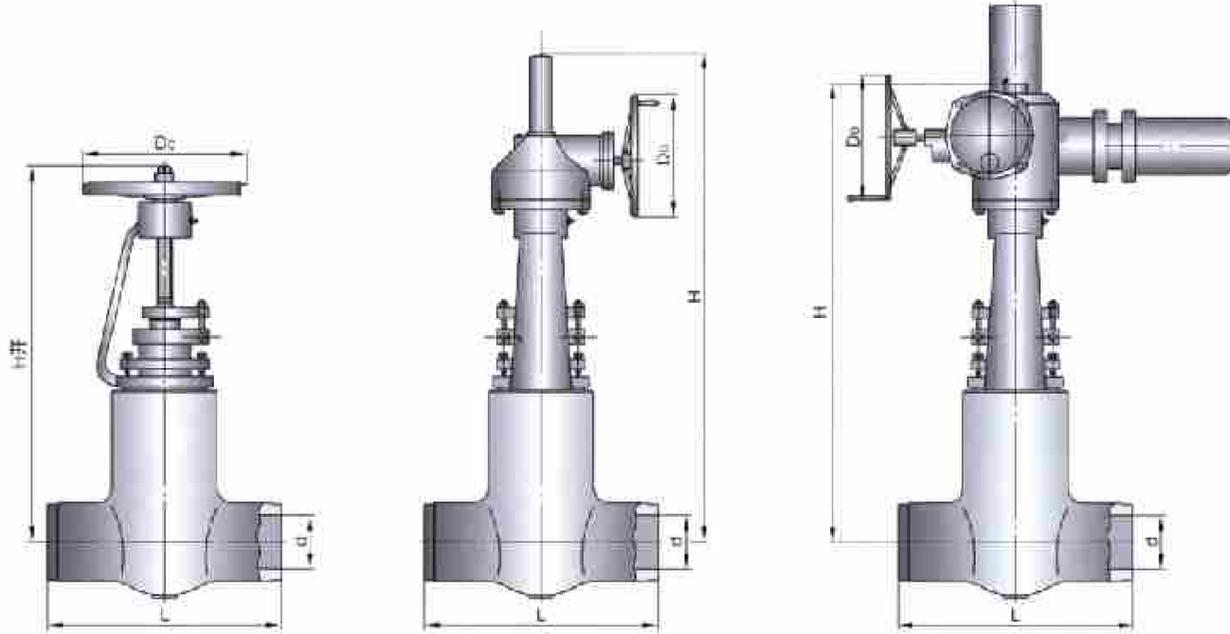
产品采用标准 Technical specification

设计标准 Design standard	API 500, JIS E101	
结构长度 Structural length	对焊连接 Welded connection	ASME 16.10
压力与温度 Pressure and temperature		ASME 16.34, JIS E101
试验和检验 Test & inspection		API 598, JIS E101
焊接坡口 Weld the slope mouth		ASME B16.25

注：阀门连接法兰及焊接坡口可根据用户要求设计制造。
Note valve connecting flange and welded groove can be designed and made upon the user requirements.

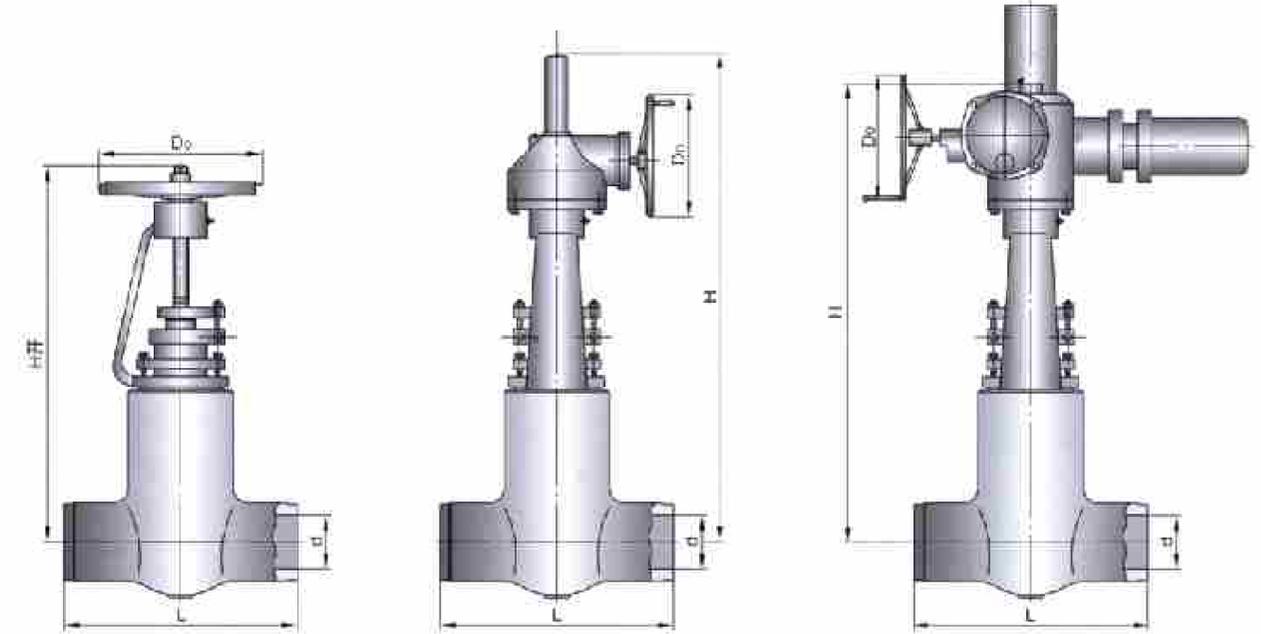
主要零件材料 Major parts material form

序号 No.	零件名称 Accessory name	材料 Material
1	阀体 Body	WC8, WC1, WC6, WC9, C12, C12A, W836
2	阀座 Seal	A105, A182-F11, F22, F5, F9, F91, F93
3	闸板 Disc	WC8, WC1, WC6, WC9, C12, C12A, W836
4	阀杆 Stem	A182Gr.F6a, A182-F22, A162-F11, F9, F91, 321, 321H
5	闸盖 Bonnet	WC8, WC1, WC6, WC9, C12, C12A, W836
6	密封圈 Sealing ring	柔性石墨 Graphite
7	四角环 Quarts ring	A182Gr.F6a, A182-F22, A162-F9, F91, F93
8	填料 Packing	柔性石墨 Graphite
9	双头螺柱 Stud	A193-B7, A193-B16
10	螺母 Nut	A193-2H, A193-4
11	阀杆螺母 Valve stem nut	铜合金 Copper alloy
12	手轮 Handwheel	A47-32510



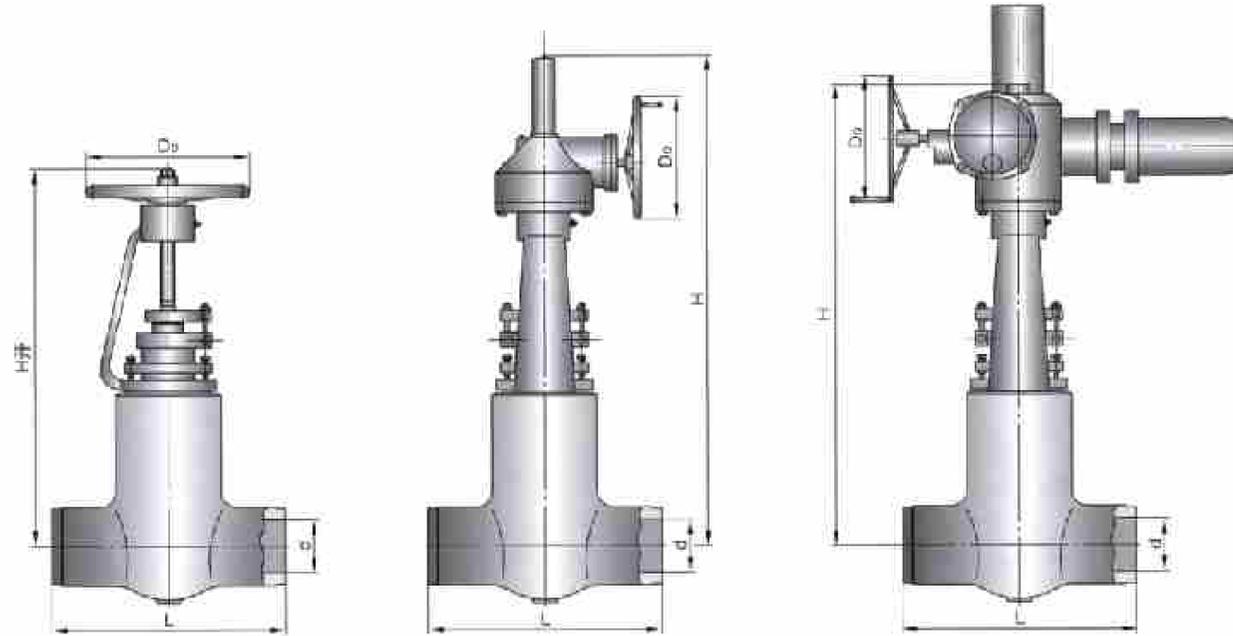
主要外形尺寸及重量 Main size of outside & weight
 型号 Model: Z60Y-1500Lb, Z560Y-1500Lb, Z960Y-1500Lb

NPS (in)	L	d	手动 Hand-operated			齿轮 Gear driving			传动装置 Gearbox driving	电动 Electric driving device			电动机或 电动执行 装置 Electric driving device
			H	Do	重量(kg) Weight	H	Do	重量(kg) Weight		H	Do	重量(kg) Weight	
2 1/2	254	59	673	200	50	-	-	-	-	887	200	53	SMC-04
3	305	69	692	200	65	-	-	-	-	937	200	110	SMC-04
4	406	84	790	230	105	-	-	-	-	989	308	168	SMC-03
5	493	100	675	260	150	-	-	-	-	1073	509	223	SMC-03
6	559	126	1166	400	300	-	-	-	-	1579	506	396	SMC-0
8	711	158	1148	410	500	1261	450	410	3A-1	1225	305	555	SMC-0
10	884	210	-	-	-	1490	450	725	3A-1	1530	457	823	SMC-1
12	991	250	-	-	-	1785	610	1035	3A-2	1604	305	1230	SMC-1
14	1067	280	-	-	-	1952	780	1355	3A-3	2155	573	1775	SMC-2
16	1104	316	-	-	-	2051	760	1772	3A-3	2187	610	2429	SMC-3
18	1346	360	-	-	-	2155	780	2359	3A-3	2750	610	2464	SMC-3
20	1473	406	-	-	-	2451	780	3243	3A-3	2260	610	3934	SMC-3
22	1600	450	-	-	-	2679	780	4010	3A-3	2780	610	4409	SMC-3



主要外形尺寸及重量 Main size of outside & weight
 型号 Model: Z60Y-2000Lb, Z560Y-2000Lb, Z960Y-2000Lb

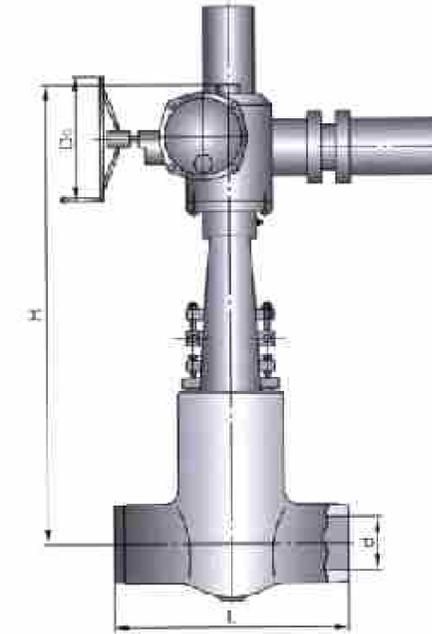
NPS (in)	L	d	手动 Hand-operated			齿轮 Gear driving			传动装置 Gearbox driving	电动 Electric driving device			电动机或 电动执行 装置 Electric driving device
			H	Do	重量(kg) Weight	H	Do	重量(kg) Weight		H	Do	重量(kg) Weight	
2 1/2	330	50	640	200	70	-	-	-	-	807	200	207	SMC-04
3	368	60	690	230	90	-	-	-	-	852	308	149	SMC-03
4	457	80	550	260	150	-	-	-	-	974	305	245	SMC-03
5	533	96	1117	360	210	-	-	-	-	1120	305	280	SMC-03
6	610	118	1300	410	438	-	-	-	-	1219	305	410	SMC-0
8	762	148	-	-	-	1210	310	602	BA-0	1349	305	626	SMC-0
10	914	180	-	-	-	1620	460	836	BA-1	1890	305	1320	SMC-1
12	1047	222	-	-	-	1710	510	1187	BA-2	1830	457	1320	SMC-2
14	1118	254	-	-	-	1763	510	1475	BA-2	1880	457	1810	SMC-2
16	1245	284	-	-	-	1925	510	1980	BA-2	2115	510	2270	SMC-3



主要外形尺寸及重量 Main size of outside & weight

型号 Model: Z60Y-2500Lb, Z683Y-2500Lb, Z903Y-2500Lb

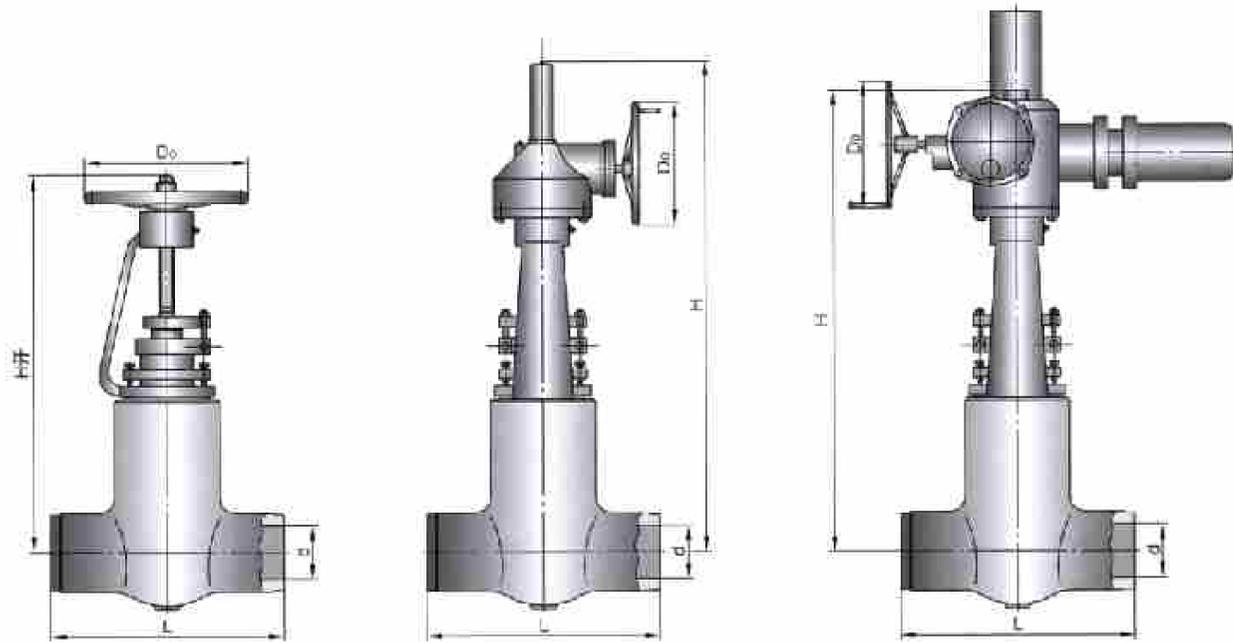
NPS DN	L	d	手动 Hand-operated			齿轮 Geared driving			电动 Electric driving device			电动装置 Electric driving device	
			H	D0	重量(kg) Weight	H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		
2 1/2	330	45	640	200	70	-	-	-	-	842	508	143	SMC-03
3	338	54	630	230	90	-	-	-	-	836	508	160	SMC-03
4	457	73	850	260	150	-	-	-	-	1094	608	335	SMC-03
5	533	68	1117	400	210	-	-	-	-	1170	305	324	SMC-03
6	610	104	1300	500	433	1115	310	340	3A-0	1586	305	467	SMC-03
8	762	130	-	-	-	1284	310	617	3A-0	1339	305	725	SMC-0
10	914	162	-	-	-	1504	480	1023	3A-1	1488	505	1152	SMC-1
12	1041	210	-	-	-	1725	610	1415	3A-2	1630	457	1520	SMC-2
14	1118	234	-	-	-	1793	610	1634	3A-2	1690	610	1638	SMC-3
18	1246	264	-	-	-	1995	610	2353	3A-2	2115	610	2826	SMC-3
22	1550	375	-	-	-	-	-	-	-	2686	760	7090	SMC-5



主要外形尺寸及重量 Main size of outside & weight

型号 Model: Z60Y-3500Lb

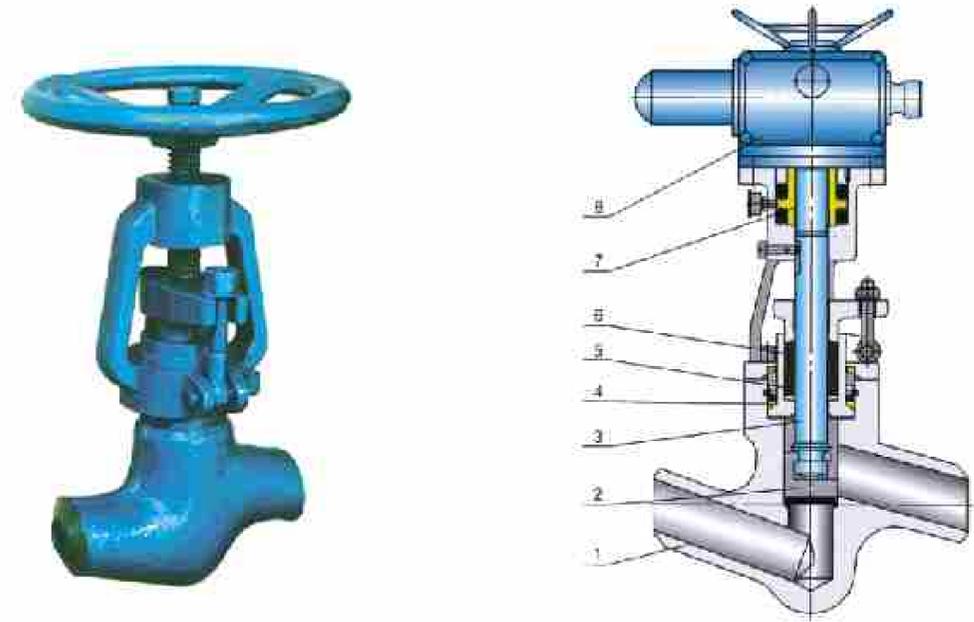
NPS (in)	电动 Electric driving device				重量(kg) Weight	电动装置 Electric driving device
	L	H	D0	H		
10	830	151	1812	305	1459	SMC-1
12	1050	156	1831	457	2150	SMC-2
14	1118	214	2130	610	2870	SMC-3
22	1550	338	2656	610	5591	SMC-4



主要外形尺寸及重量 Main size of outside & weight

型号 Model: Z60Y-3500Lb, Z683Y-3500Lb, Z963Y-3500Lb

NPS DN	L	d	手开 Hand operated			齿开 Geared driving			电动装置 Electric driving device			电动装置 Electric driving device	
			H	D0	重量(kg) Weight	H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		
3	410	41	760	260	210	-	-	-	-	920	509	269	SMC-03
4	540	55	800	300	300	-	-	-	-	1056	505	398	SMC-07
5	616	74	-	-	-	1047	310	391	3A-0	1166	305	607	SMC-0
6	632	69	-	-	-	1105	310	403	3A-0	1227	305	605	SMC-0
8	846	116	-	-	-	1322	450	516	3A-1	1456	305	1038	SMC-1
10	1000	142	-	-	-	1548	610	1527	3A-2	1662	457	1733	SMC-2
12	1124	174	-	-	-	1689	610	2129	3A-2	1844	610	2738	SMC-3
14	1219	196	-	-	-	-	-	-	-	2125	610	3130	SMC-4
18	1499	262	-	-	-	-	-	-	-	2635	610	4530	SMC-4



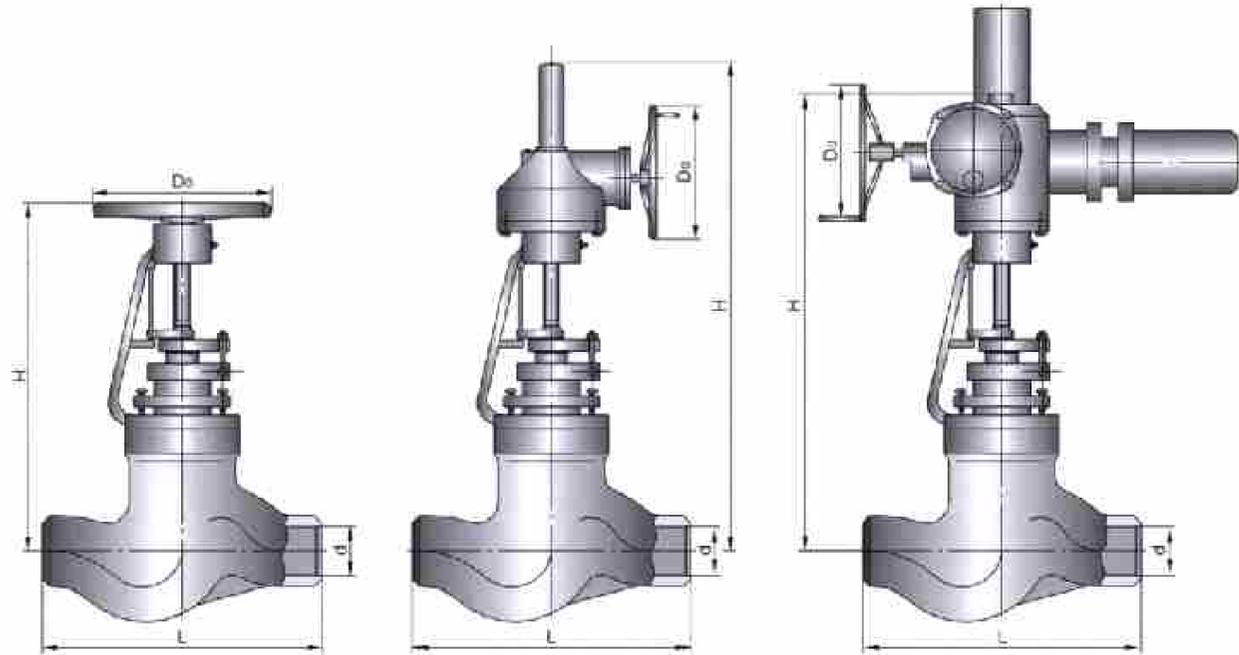
产品采用标准 Technical specification

设计标准 Design standard	ASME B16.34, BS 1873, JIS E101
结构长度 Structural length	对焊连接 Welded connection: ASME 16.10
压力与温度 Pressure and temperature	ASME 16.34
试验和检验 Test & inspection	API 598, BS 6755, JIS E101
焊接接口 Weld the slope mouth	ASME B16.25

注: 阀门连接法兰及焊接坡口可根据用户要求设计制造。
Note: valve connecting flange and welded groove can be designed and made upon the user requirements.

主要零件材料 Major parts material form

序号 No	零件名称 Part name	材质 Material
1	阀体 Body	WCB, WC1, WC5, WC9, C12, C12A, WB36
2	阀盘 Disc	A105, A182-F11, F22, F5, F9, F01, FB36
3	阀杆 Stem	A182Gr F3a, A182-F22, A182-F11, F9, F01, 321, 321H
4	密封圈 Sealing ring	柔性石墨 Graphite
5	阀盖 Bonnet	wCB, WC1, WC5, WC9, C12, C12A, WB36
6	填料 Packing	柔性石墨 Graphite
7	阀杆螺母 Valve stem nut	铜合金 Copper alloy
8	电动装置 Electric device	组件 Package



主要外形尺寸及重量Main size of outside & weight

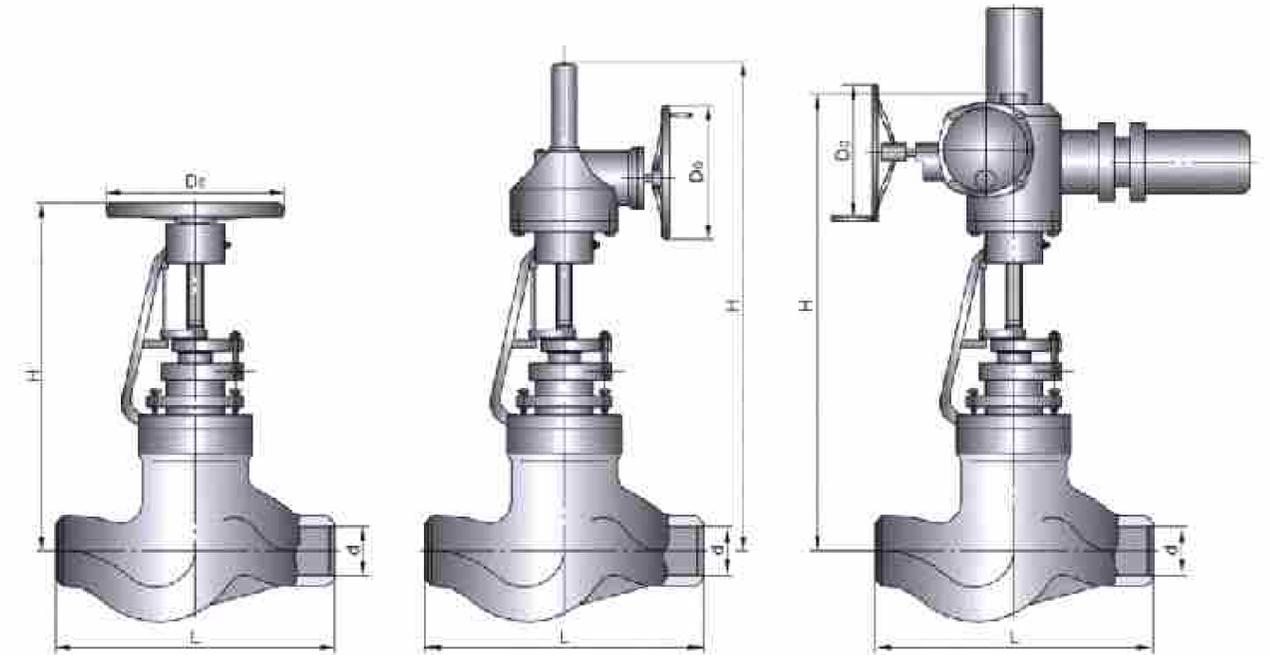
型号Model: J51Y-1500Lb, J561Y-1500Lb, J61Y-1500Lb

NPS (in)	L	d	手动Hand operated			传动Geared driving			传动装置 Geared driving	电动Electric driving device			传动装置 Electric driving device
			H	Dc	重量(kg) Weight	H	Dc	重量(kg) Weight		H	Dc	重量(kg) Weight	
3	330	64	643	510	150	-	-	-	-	1030	305	265	SMC-03
7	790	84	910	660	240	-	-	-	-	1070	305	380	SMC-0
5	530	100	1030	610	251	335	460	333	3A-1	1135	457	520	SMC-1
6	630	126	-	-	-	360	480	650	3A-1	1091	305	800	SMC-1
8	770	156	-	-	-	500	610	782	3A-2	1830	305	948	SMC-1

主要外形尺寸及重量Main size of outside & weight

型号Model: J51Y-2000Lb, J561Y-2000Lb, J61Y-2000Lb

NPS (in)	L	d	手动Hand operated			传动Geared driving			传动装置 Geared driving	电动Electric driving device			传动装置 Electric driving device
			H	Dc	重量(kg) Weight	H	Dc	重量(kg) Weight		H	Dc	重量(kg) Weight	
2 1/2	420	60	615	510	160	-	-	-	-	975	305	340	SMC-0
3	470	60	635	680	200	-	-	-	-	1030	305	388	SMC-0
4	570	60	1024	700	260	1125	460	336	3A-1	1220	305	542	SMC-1
5	630	98	-	-	-	1370	610	480	3A-2	1425	457	648	SMC-2
6	750	116	-	-	-	1430	610	650	3A-2	1490	457	780	SMC-2



主要外形尺寸及重量Main size of outside & weight

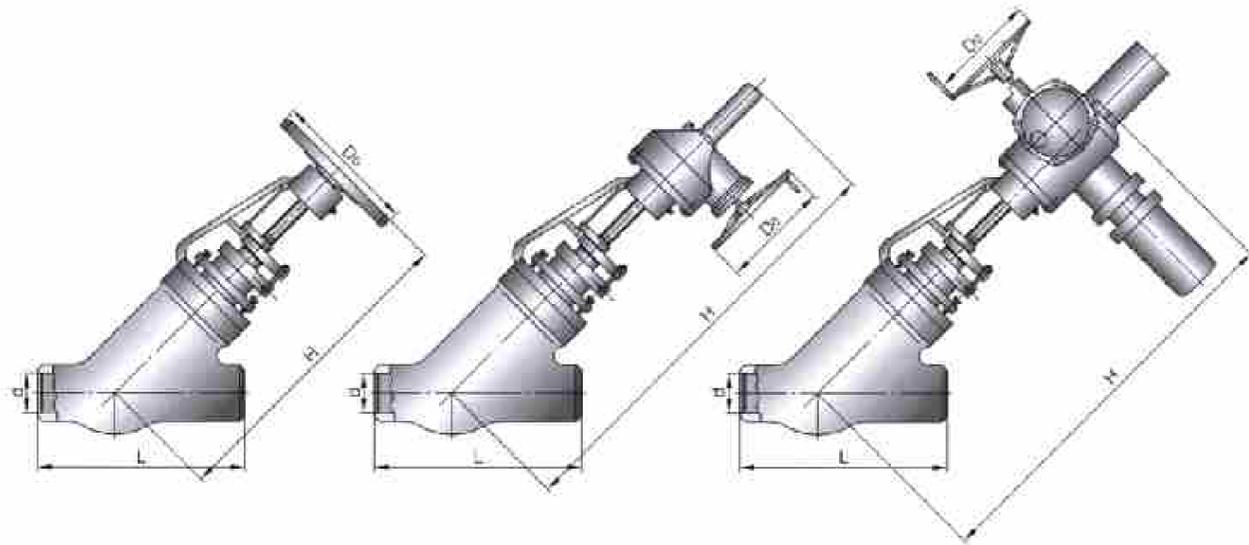
型号Model: J81Y-2500Lb, J861Y-2500Lb, J861Y-2500Lb

NPS (in)	L	d	手动Hand operated			传动Geared driving			传动装置 Geared driving	电动Electric driving device			传动装置 Electric driving device
			H	Dc	重量(kg) Weight	H	Dc	重量(kg) Weight		H	Dc	重量(kg) Weight	
2 1/2	420	46	657	510	250	-	-	-	-	975	305	390	SMC-0
3	470	54	840	660	290	-	-	-	-	1005	305	730	SMC-0
4	570	70	1085	700	325	1125	460	406	BA-1	1220	305	700	SMC-1
5	630	98	-	-	-	1370	610	506	BA-2	1425	457	772	SMC-2
6	750	101	-	-	-	1430	610	605	BA-2	1480	457	872	SMC-2

主要外形尺寸及重量Main size of outside & weight

型号Model: J81Y-3500Lb, J861Y-3500Lb, J861Y-3500Lb

NPS (in)	L	d	手动Hand operated			传动Geared driving			传动装置 Geared driving	电动Electric driving device			传动装置 Electric driving device
			H	Dc	重量(kg) Weight	H	Dc	重量(kg) Weight		H	Dc	重量(kg) Weight	
2 1/2	480	38	630	460	225	-	-	-	-	975	305	372	SMC-03
3	540	48	1030	580	425	1055	310	458	BA-0	1150	305	565	SMC-0
4	762	50	-	-	-	1234	460	510	BA-1	1366	305	810	SMC-0
5	864	74	-	-	-	1435	460	303	BA-1	1530	457	920	SMC-2
6	965	88	-	-	-	1630	760	1050	BA-3	1725	610	1100	SMC-3



主要外形尺寸及重量 Main size of outside & weight

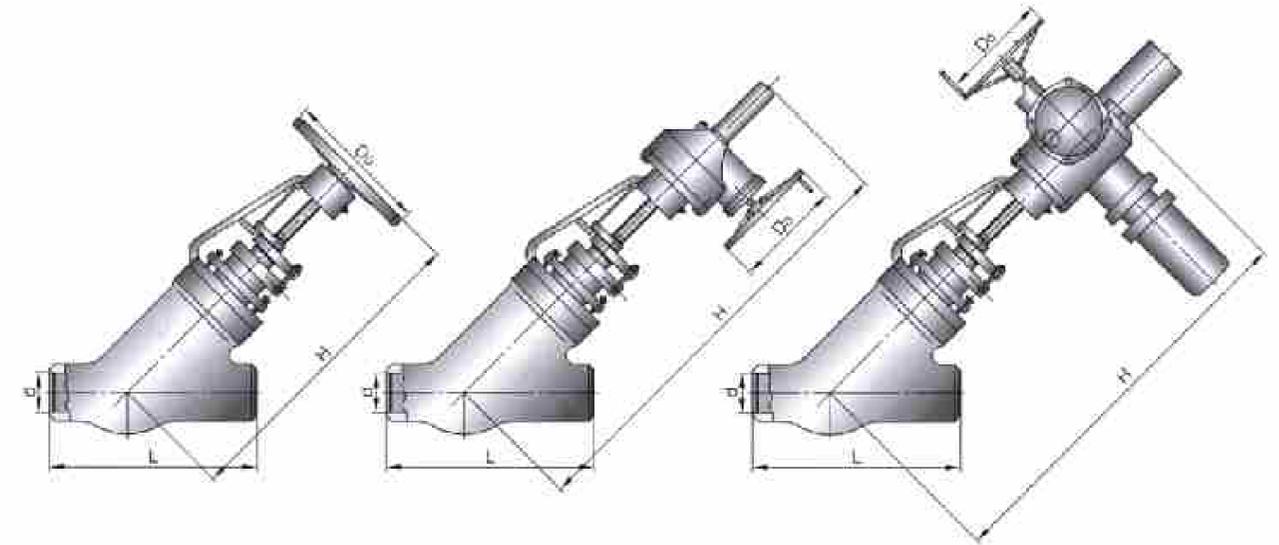
型号 Model: J385Y-1500Lb, J585Y-1500Lb, J985Y-1500Lb

NPS (in)	手动 Hand operated					齿轮 Gear driving			电动 Electric driving device		电动装置 Electric driving device		
	L	d	H	D0	重量(kg) Weight	H	D0	重量(kg) Weight	H	D0		重量(kg) Weight	
2 1/2	330	54	670	380	45	-	-	-	-	-	-	-	
3	358	64	750	460	79	-	-	-	990	305	200	SMC-0	
4	457	84	830	510	110	-	-	-	990	305	310	SMC-1	
5	533	100	910	560	129	1100	460	505	BA-1	1115	305	512	SMC-1
6	610	126	1100	610	180	1700	610	620	BA-2	1783	457	634	SMC-2
8	782	158	-	-	-	2010	610	620	BA-2	2028	457	850	SMC-2

主要外形尺寸及重量 Main size of outside & weight

型号 Model: J585Y-2000Lb, J985Y-2000Lb

NPS (in)	手动 Geared driving					齿轮 Geared driving		电动 Electric driving device		电动装置 Electric driving device
	L	d	H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		
4	457	80	870	480	214	BA-1	990	305	327	SMC-1
5	533	95	985	460	303	BA-1	1115	305	408	SMC-1
6	610	118	1025	610	470	BA-2	1423	457	470	SMC-2
8	782	148	1535	610	980	BA-2	1615	457	1050	SMC-2
10	914	180	1825	780	1250	BA-3	2240	610	1582	SMC-4
12	1041	222	2300	610	2714	B-1-PA-2	2480	610	2340	SMC-4



主要外形尺寸及重量 Main size of outside & weight

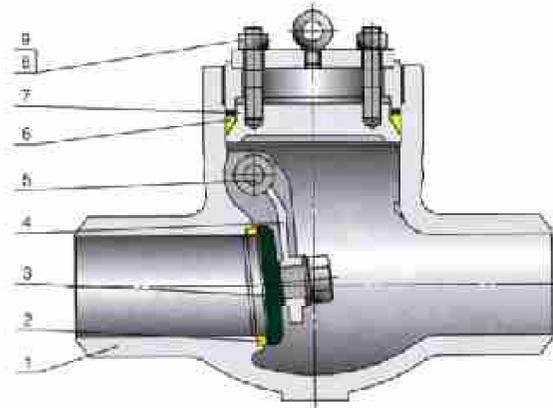
型号 Model: J385Y-2500Lb, J585Y-2500Lb, J985Y-2500Lb

NPS (in)	手动 Hand operated					齿轮 Geared driving			手动装置 Geared driving		电动 Electric driving device		电动装置 Electric driving device
	L	d	H	D0	重量(kg) Weight	H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		
2	310	39	550	300	42	-	-	-	-	910	305	130	SMC-00
2 1/2	340	48	670	360	72	-	-	-	-	995	305	180	SMC-00
3	390	54	750	480	51	750	310	121	BA-0	995	305	217	SMC-0
4	480	70	850	520	130	870	480	212	BA-1	990	305	337	SMC-1
5	580	88	-	-	-	995	480	312	BA-1	1115	305	432	SMC-1
6	630	104	-	-	-	1205	610	410	BA-2	1280	457	652	SMC-2
8	770	130	-	-	-	1665	610	1060	BA-2	1615	457	1122	SMC-2
10	920	162	-	-	-	1870	780	1380	BA-3	1820	610	1682	SMC-3
12	1060	210	-	-	-	2355	780	2824	B-1-PA-2	2240	610	2082	SMC-4
14	1160	238	-	-	-	2515	780	3624	B-1-PA-2	2700	610	3062	SMC-4

主要外形尺寸及重量 Main size of outside & weight

型号 Model: J585Y-3500Lb, J985Y-3500Lb

NPS (in)	L	d	手动 Geared driving		手动装置 Geared driving		电动 Electric driving device		电动装置 Electric driving device	
			H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		
3	470	48	817	310	172	BA-0	1065	305	272	SMC-0
4	550	60	930	310	293	BA-0	1100	305	387	SMC-0
5	680	74	1075	460	462	BA-1	1280	305	552	SMC-1
6	790	88	1220	460	727	BA-1	1320	305	847	SMC-1



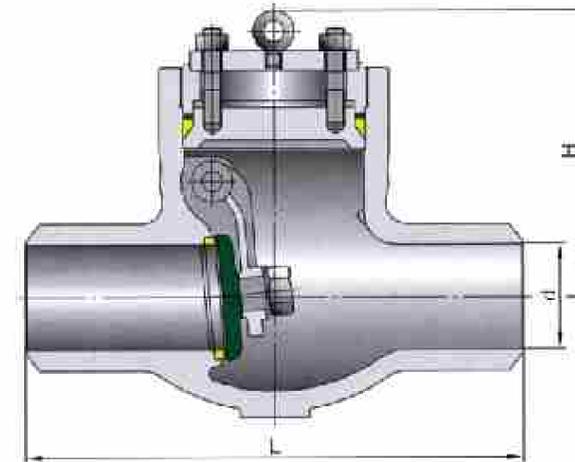
产品采用标准 Technical specification

设计标准 Design standard		ASME B16.34, BS 1988, JIS E101
结构长度 Structural length	对接连接 Welded connection	ASME B16.10
压力与温度 Pressure and temperature		ASME B16.34, JIS E101
试验和检验 Test & inspection		API 598, BS 6755, JIS E101
焊接坡口 Weld the slope mouth		ASME B16.25

注：阀门连接法兰及焊接坡口可根据用户要求设计制造。
Note: valve connecting flange and welded groove can be designed and made upon the User requirements

主要零件材料 Major parts material form

序号 No.	零件名称 Part Name	材质 Material
1	阀体 Body	WCB, WC1, WC6, WC9, C12, C12A, WB38
2	阀座 Seat	A105, A182-F11, F22, F5, F9, F91, F306
3	阀瓣 Disc	WCB, WC1, WC6, WC9, C12, C12A, WB38
4	阀杆 Stem	WCB, WC1, WC6, WC9, C12, C12A, WB38
5	销轴 Pin	A192Gr.F3a, A182-F22, A182-F11, F9, F91, 321, 321H
6	密封环 Sealing ring	柔性石墨 Graphite
7	阀盖 Bonnet	WCB, WC1, WC6, WC9, C12, C12A, WB38
8	双头螺柱 Stud	A193-B7, A193-B1B
9	螺母 Nut	A194-2R, A194-4



主要外形尺寸及重量 Main size of outside & weight

型号 Model: H64Y-1500Lb, H64Y-2000Lb, H64Y-2500Lb

NPS (in)	1500 lb				2000 lb				2500 lb			
	L	d	H	重量(kg) Weight	L	d	H	重量(kg) Weight	L	d	H	重量(kg) Weight
2 1/2	254	65	282	45	320	60	240	40	-	-	-	-
3	305	64	274	50	358	60	305	60	368	64	297	44
4	406	84	350	80	457	80	315	95	457	70	385	110
6	483	100	425	115	533	96	409	120	533	86	405	158
8	559	126	460	150	610	118	465	155	610	104	465	192
10	711	158	480	220	752	147	528	415	762	130	557	455
12	864	200	540	430	914	180	613	558	914	182	615	730
14	991	250	650	630	1041	222	660	1200	1041	210	715	1120
16	1067	280	710	1400	1118	254	745	1528	1118	234	790	1455
18	1194	325	780	1540	1200	285	795	1755	1245	264	815	1950
20	1220	352	795	1750	1280	321	805	2170	1287	304	815	2400

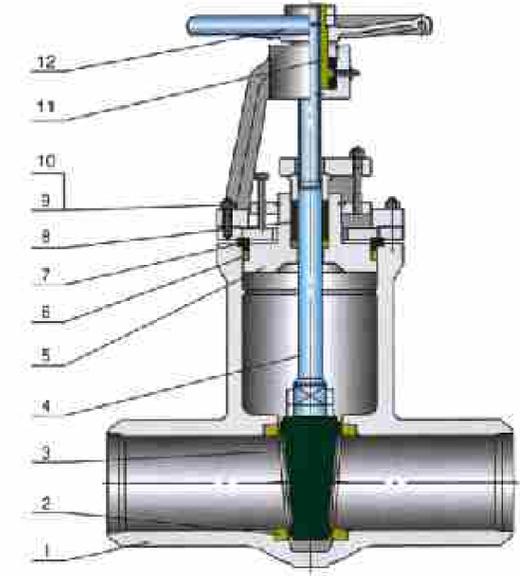


产品性能规范 Products performance specification

型号 Model	公称压力 (MPa) Pressure class	试验压力 Test Pressure(MPa)			工作压力 Working Pressure (MPa)	工作温度 Working Temperature (°C)	适用介质 Applicable medium
		强度试验 Strength test	密封试验 Seal test	冲击试验 Shock test			
Z960Y-250 J961Y-250	25.0	37.5	27.5	27.5	14.5	427°C	水、蒸汽 Water, steam
Z960Y-32.0 J961Y-32.0	32.0	48.0	35.2	35.2	12.8	427°C	
Z960Y-P _n 100 J961Y-P _n 100	P _n 100	50.0	11.0	11.0	10.0	543°C	蒸汽 Steam
Z960Y-P _n 170V J961Y-P _n 170V	P _n 170	45.0	18.7	18.7	17.0	543°C	

产品主要参数 Main parameter of the products

基本型号 Serial models	闸阀 Gate valve	Z960Y, Z960Y, Z960Y				
	截止阀 Globe valve	J961Y, J961Y, J961Y, J961Y, J961Y, J961Y, J961Y, J961Y, J961Y				
	止回阀 Check valve	H64Y, H61Y				
压力等级范围 Pressure grade range		25.0MPa, 32.0MPa, P _n 100, P _n 170, P _n 170V				
口径范围 Orif diameter range		DN10-350mm				
驱动方式及 适用范围 Driving manner & scope of application	闸阀 Gate valve	电动 Electric driving	25.0MPa DN10-350mm	32.0MPa DN10-250mm	P _n 100 DN125-260mm	P _n 170 P _n 170V DN175-350mm
	截止阀 Globe valve	手轮驱动、中动 Hand wheel driving Electric driving	25.0MPa, 32.0MPa, P _n 100, P _n 140, P _n 170, P _n 170V DN10-100mm			



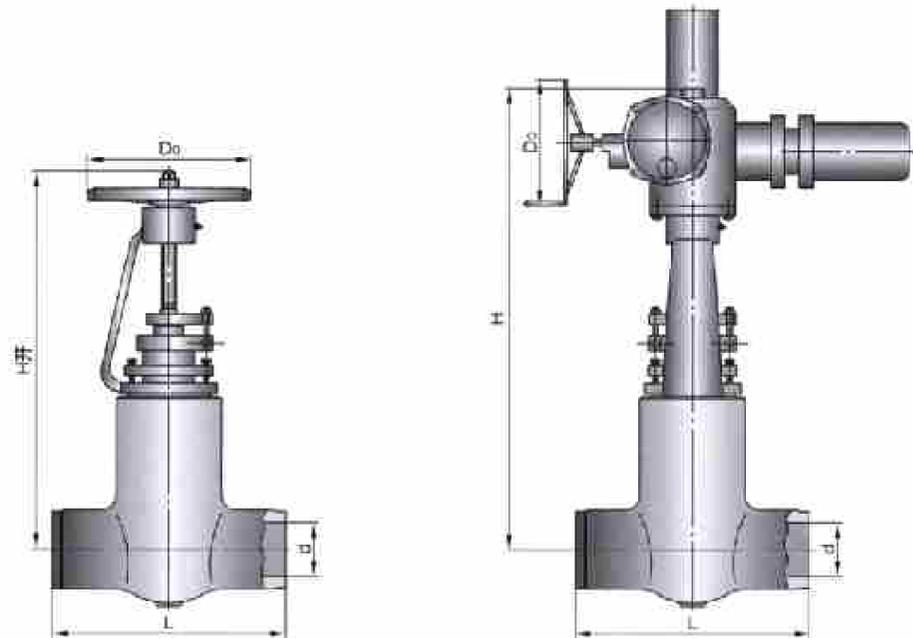
产品采用标准 Technical specification

设计标准 Design standard	GB/T12224, JB/T3595, DL/T927
结构长度 Structural length	对焊连接 Welded connection: GB/T 12224
压力与温度 Pressure and temperature	JB/T 3595, DL/T 927
试验和检验 Test & inspection	JB/T 3595
焊接接口 Weld the slope mouth	GB/T12224, JB/T3595

注：阀门连接法兰及焊接接口可根据用户要求设计制造。
Note: valve connecting flange and welded groove can be designed and made upon the user requirements.

主要零件材料 Major parts material form

序号 No	零件名称 Part name	材料 Material
1	阀体 Body	WC9, WC1, WC6, WC9, C12A
2	阀座 Seat	2E, 15CrMoA, 12CrMoVA
3	闸板 Disc	WC9, WC1, WC6, WC9, C12A
4	阀杆 Stem	1Cr17Ni12, 2Cr13, 20Cr1MoV, 25Cr2MoV
5	阀盖 Bonnet	WC9, WC1, WC6, WC9, C12A
6	密封圈 Sealing ring	柔性石墨 Graphite
7	四开环 Quering ring	1Cr13, 2Cr13, T11, T22, T91
8	填料 Packing	柔性石墨 Graphite
9	双头螺栓 Stud	35CrMoA, 25Cr2MoV
10	螺母 Nut	4E, 35CrMoA, 25Cr2MoV
11	阀杆螺母 Valve stem nut	铜合金 Copper alloy
12	手轮 Handwheel 电机装置 Motor	QT400-15/附件 Package

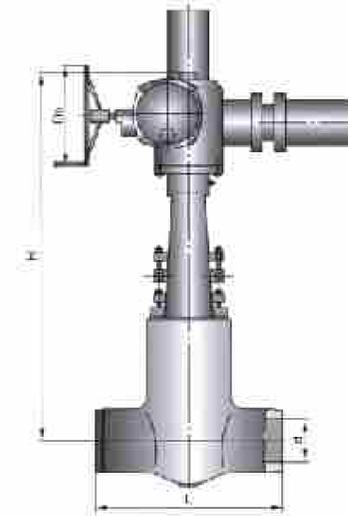


主要外形尺寸及重量 Main size of outside and weight
型号 Model Z960Y-250

DN (mm)	尺寸 Dimension (mm)				重量 kg Weight	电动装置 Electric driving device
	L	d	H	D ₀		
100	483	106	1194	508	223	SMC-06
125	559	126	1273	505	395	SMC-0
175	711	158	1325	505	555	SMC-0
225	862	210	1530	457	650	SMC-1
250	991	250	1804	305	1280	SMC-1
275	1037	202	2155	457	1725	SMC-2
300	1134	318	2167	610	7478	SMC-3

型号 Model Z960Y-320

DN (mm)	尺寸 Dimension (mm)				重量 kg Weight	电动装置 Electric driving device
	L	d	H	D ₀		
100	533	95	1120	305	260	SMC-00
125	610	118	1219	305	419	SMC-0
175	782	148	1340	305	623	SMC-0
225	914	180	1690	305	1020	SMC-1
250	1041	222	1830	457	1320	SMC-2



主要外形尺寸及重量 Main size of outside and weight
型号 Model Z960Y-P₁100

DN (mm)	尺寸 Dimension (mm)				重量 kg Weight	电动装置 Electric driving device
	L	d	H	D ₀		
100	533	96	1120	305	280	SMC-00
125	610	118	1219	305	419	SMC-0
175	762	148	1340	305	626	SMC-0
225	914	180	1690	305	1020	SMC-1
250	1041	222	1830	457	1320	SMC-2

型号 Model Z960Y-P₁140

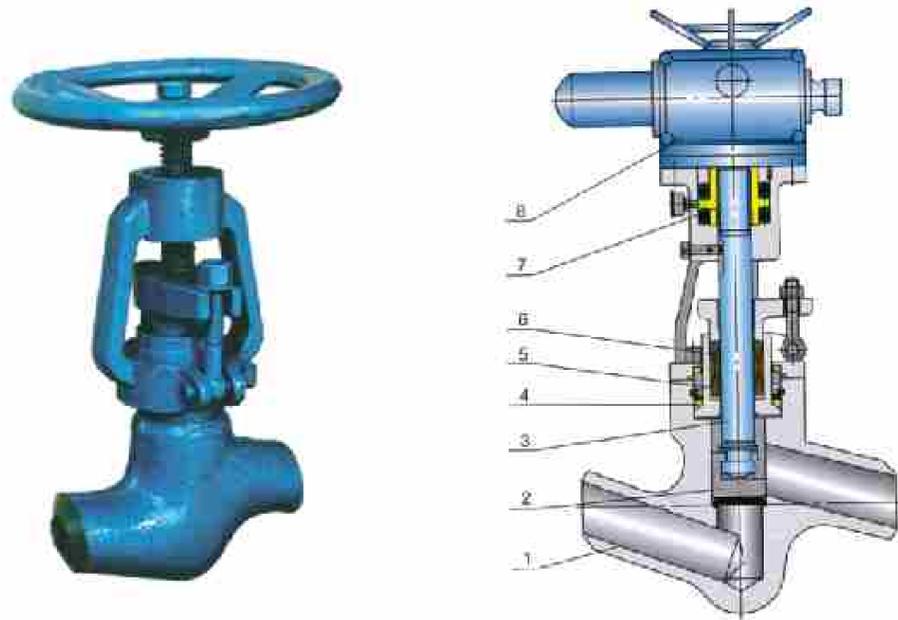
DN (mm)	尺寸 Dimension (mm)				重量 kg Weight	电动装置 Electric driving device
	L	d	H	D ₀		
175	762	130	1339	305	725	SMC-0
225	914	182	1468	305	1152	SMC-1
250	1041	210	1800	457	1520	SMC-2

型号 Model Z960Y-P₁170

DN (mm)	尺寸 Dimension (mm)				重量 kg Weight	电动装置 Electric driving device
	L	d	H	D ₀		
175	930	151	1812	305	1459	SMC-1
225	1060	195	1831	457	2180	SMC-2
250	1118	214	2130	457	2570	SMC-2
350	1550	338	2456	610	5591	SMC-4

型号 Model Z960Y-P₁170V

DN (mm)	尺寸 Dimension (mm)				重量 kg Weight	电动装置 Electric driving device
	L	d	H	D ₀		
175	930	151	1812	305	1459	SMC-1
225	1060	195	1831	457	2180	SMC-2
250	1118	214	2130	457	2570	SMC-2
350	1550	338	2456	610	5591	SMC-4



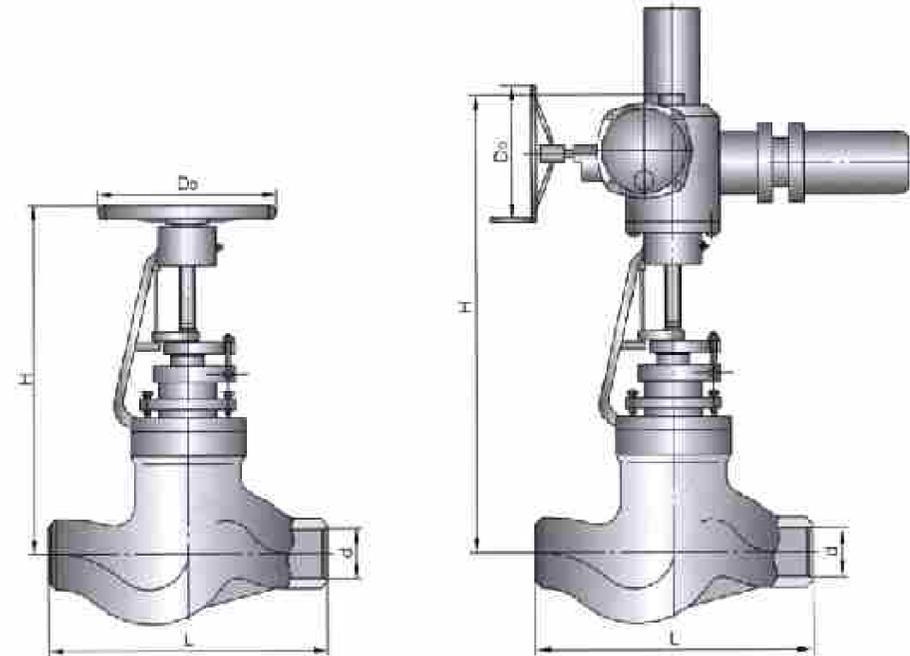
产品采用标准 Technical specification

设计标准 Design standard	GB/T12224, JB/T3596, DL/T902
结构长度 Structural length	对焊连接 Welded connection: GB/T 12221
压力与温度 Pressure and temperature	GB/T12224, JB/T 3596, DL/T922
试验和检验 Test&inspection	JB/T 3596
焊接坡口 Weld the slope mouth	GB/T12224, JB/T3596

注：阀门连接法兰及焊接坡口可根据用户要求设计制造。
Note: valve connecting flange and welded groove can be designed and made upon the User requirements

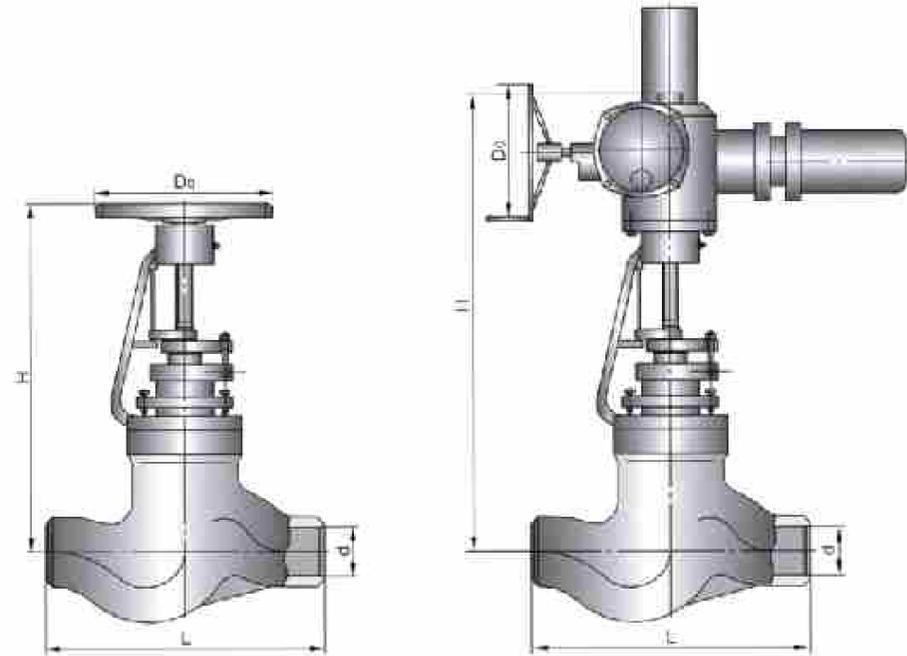
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	WC3, WC1, WC6, WC9, C12A
2	阀瓣 Disc	25, 12Cr1MoVA, 1Cr13, 15CrMo, 9Cr1MoVA
3	阀杆 Stem	1Cr71Ni12, 2Cr13, 20Cr1Mo1VA, 25Cr2MoVA, 9Cr1MoVA
4	密封环 Sealing ring	柔性石墨 Graphite
5	阀盖 Bonnet	WC3, WC1, WC6, WC9, C12A
6	填料 Packing	柔性石墨 Graphite
7	阀杆螺母 Valve stem nut	铜合金 Copper alloy
8	手轮/电动装置 Hand/Electric device	QT450, 铸件 Package



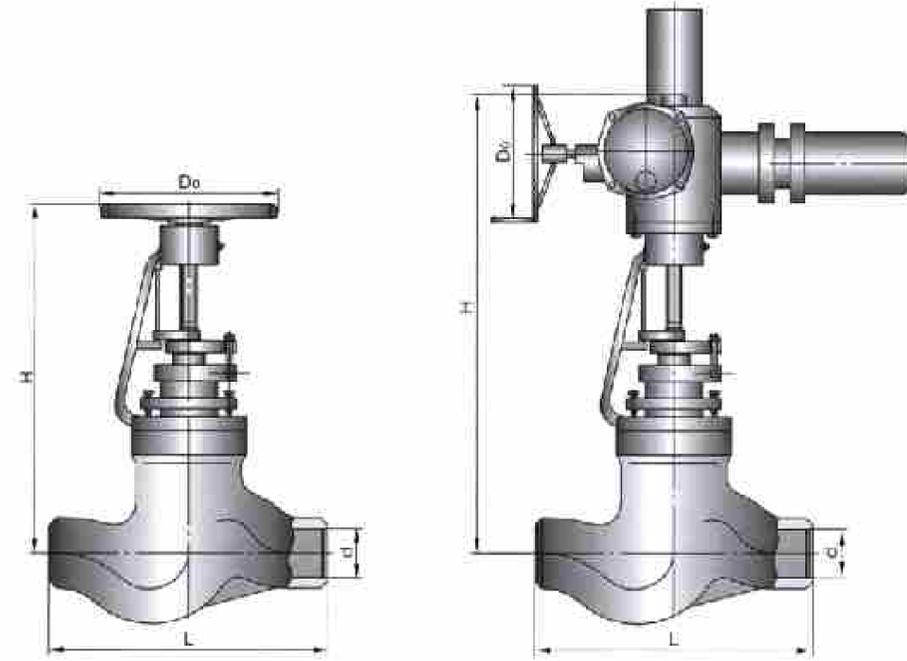
主要外形尺寸及重量 Main size of outside and weight
型号 Model: J91Y-250, J961Y-250

DN (mm)	L	D	手动 Hand / operate		重量 (kg) weight	电动 Electric driving device		重量 (kg) weight	电动装置 Electric driving device
			H	D0		H	D0		
10	120	13	210	180	8	-	-	-	-
20	170	13	272	150	10	600	250	72.5	DZW10
25	1780	22	338	240	11.2	590	250	73	DZW10
30	170	26	338	240	11.8	600	250	73.5	DZW10
40	250	35	433	320	36.3	675	250	81.0	DZW20
50	250	42	433	320	38.3	725	250	85	DZW30
65	340	55	775	480	120	1060	450	185	DZW45
90	390	61	810	510	150	1280	560	275	DZW60
100	430	64	810	510	240	1290	560	310	DZW60



主要外形尺寸及重量 Main size of outside and weight
型号 Model J61Y-320、J961Y-320

DN (mm)	L	d	手轮 Hand operate			电动 Electric driving device			电动装置 Electric driving device
			H	D ₀	重量(kg) weight	H	D ₀	重量(kg) weight	
10	123	10	210	180	8	-	-	-	-
20	170	19	272	190	10	600	250	72.5	DZW10
25	170	22	308	240	11.2	590	250	73	DZW10
32	170	26	308	240	11.8	600	250	73.5	DZW10
40	250	36	493	320	36.3	665	250	81.0	DZW20
50	250	42	493	320	36.3	736	250	85	DZW30
65	470	50	895	580	200	1140	450	130	DZW90
80	570	60	1055	700	280	1350	560	140	DZW120
100	650	65	1045	700	340	1500	600	160	DZW180



主要外形尺寸及重量 Main size of outside and weight
型号 Model J61Y-P₁₁ 70V、J961Y-P₁₁ 170V

DN (mm)	L	d	手轮 Hand operate			电动 Electric driving device			电动装置 Electric driving device
			H	D ₀	重量(kg) weight	H	D ₀	重量(kg) weight	
10	120	10	210	180	8	-	-	-	-
20	170	19	272	190	10	600	250	72.5	DZW10
25	170	22	308	240	11.2	590	250	73	DZW10
32	170	26	308	240	11.8	600	250	73.5	DZW10
40	250	36	493	320	36.3	665	250	81.0	DZW20
50	250	42	493	320	36.3	736	250	85	DZW30
65	472	60	835	510	500	1543	560	785	DZW90
80	664	60	1315	900	750	1790	560	1089	DZW120
100	965	65	1475	900	1000	1891	600	1451	DZW180

Jy41W-40P(T)型氧气专用截止阀

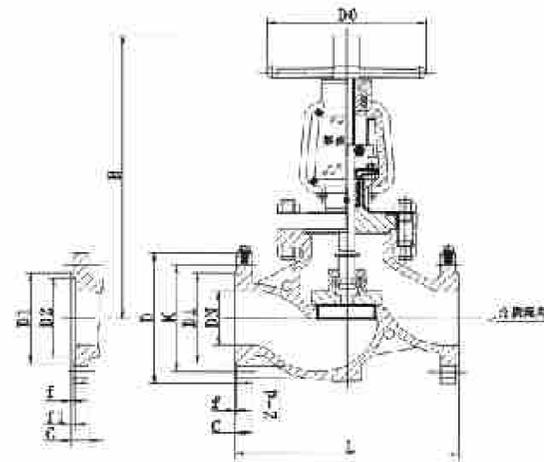
公称通径 DN(mm)	D ₀	D	D ₁	D ₂	K	L	f	f ₁	C	Z-d	H
32	125	136	78	68	100	180	3	4	18	4-Φ18	312
40	150	145	85	76	110	200	3	4	18	4-Φ18	328
50	160	160	100	88	125	230	3	4	20	4-Φ18	460
65	220	180	120	110	145	290	3	4	22	8-Φ18	536
80	280	195	135	121	160	310	3	4	22	8-Φ18	560
100	400	230	150	150	190	350	3	4.5	24	8-Φ23	618
125	450	270	168	176	220	400	3	4.5	28	8-Φ25	676

3、5 Jyk41W型氧气专用截止阀 DN150~200 PN16~40

3、5.1 结构简图



Jyk41W型铜氧气阀



3、5.2 主要外形及连接尺寸

Jy41W-16P(T)型氧气专用截止阀

公称通径 DN(mm)	D ₀	D	D ₁	D ₂	K	L	f	C	H	H ₁	Z-d
150	450	280	210	240	430	350	3	24	376	310	12-Φ25
200	450	335	255	295	500	400	3	28	428	328	12-Φ25

Jyk41W-25P(T)型氧气专用截止阀

公称通径 DN(mm)	D ₀	D	D ₁	D ₂	K	L	f	C	Z-d	H
150	450	300	218	250	480	350	3	30	8-Φ25	740
200	450	300	275	310	600	400	3	34	12-Φ25	850

Jyk41W-40P(T)型氧气专用截止阀

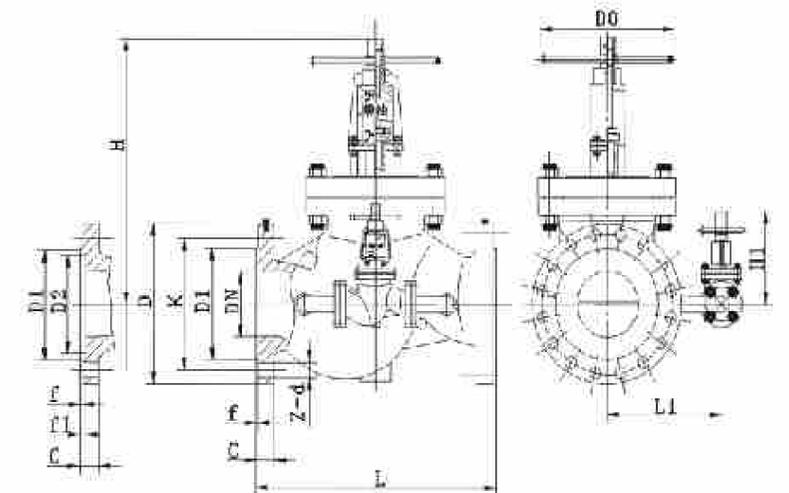
公称通径 DN(mm)	D ₀	D	D ₁	D ₂	K	L	f	f ₁	C	Z-d	H
150	450	300	216	204	250	480	3	4.5	30	8-Φ25	740
200	450	375	282	260	320	600	3	4.5	38	12-Φ30	860

3、6 Jyu41W型氧气专用截止阀 DN250~400 PN16~40

3、6.1 结构简图



Jyu41W型铜氧气阀



3、6.2 主要外形及连接尺寸

Jyu41W-16P(T)型氧气专用截止阀

公称通径 DN(mm)	D ₀	D	D ₁	D ₂	K	L	L ₁	f	C	H	H ₁	Z-d
250	640	405	323	368	660	350	350	3	30	876	310	12-Φ25
300	720	460	375	410	750	400	400	4	30	1116	328	12-Φ25
350	720	520	435	470	850	430	430	4	34	1225	328	16-Φ25
400	720	580	495	525	960	480	480	4	38	1260	328	16-Φ30

3、7.2主要外形及连接尺寸

Jyu41W-16P(T)型氧气专用截止阀

公称通径 DN(mm)	D ₀	D ₁	D ₂	K	L	L ₁	f	C	H	H ₁	Z-d
450	800	670	545	585	1050	550	4	40	1265	360	20-Φ30
500	1000	705	609	650	1150	590	4	44	1320	450	20-Φ34
600	1200	820	718	770	1350	630	5	48	1450	560	20-Φ41

Jyu41W-25P(T)型氧气专用截止阀

公称通径 DN(mm)	D ₀	D ₁	D ₂	K	L	L ₁	f	H ₁	f	C	Z-d
450	800	660	555	600	1050	550	1265	360	4	50	20-Φ34
500	1000	730	613	600	1150	590	1320	450	4	52	20-Φ41
600	1200	840	718	770	1350	630	1450	560	5	56	20-Φ41

Jyu41W-40P(T)型氧气专用截止阀

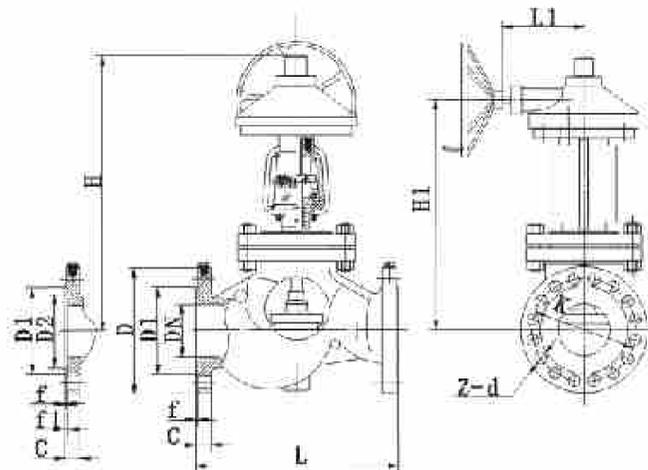
公称通径 DN(mm)	D ₀	D ₁	D ₂	D ₃	K	L	L ₁	H	H ₁	f	f ₁	C	Z-d
450	800	680	560	524	610	1050	560	1265	360	4	5	60	20-Φ41
500	1000	755	612	576	670	1150	580	1320	450	4	5	62	20-Φ48
600	1200	890	730	678	795	1350	600	1450	560	5	6	64	20-Φ54

3、8.Jyu541型铸铝氧气专用截止阀

3、8.1结构简图



Jyu541型钢氧气阀

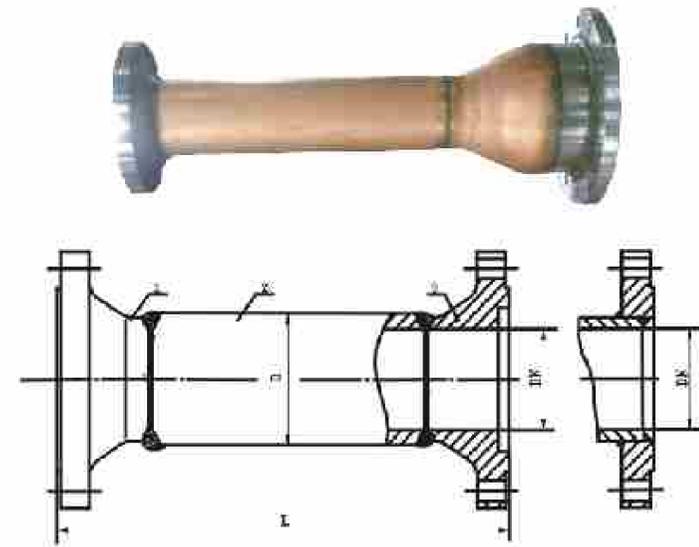


3、3.2长系列(阀门前后阻火器)主要外型及连接尺寸

序号	公称通径 DN(mm)	D ₁ (mm)	L ₁ (mm)	序号	公称通径 DN(mm)	D ₁ (mm)	L ₁ (mm)	序号	公称通径 DN(mm)	D ₁ (mm)	L ₁ (mm)
1	15	18	1600	8	80	89	1700	15	350	377	2000
2	20	25		9	100	108		16	400	426	2000
3	25	32		10	125	133		17	450	486	2000
4	32	38		11	150	159		18	500	540	2000
5	40	48		12	200	219		19	600	650	2000
6	50	57		13	250	273					
7	65	76		14	300	325					

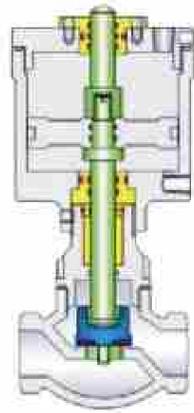
4、法兰式 □7 □4 □1-□

4、1结构示意图





气动切断阀 pneumatic operated shut off valve



JDQ11Y-16C

用途:

气动切断阀是一种能在各种管路上做远距离、快速开启和切断的阀门。

Use:

pneumatic operated shut off valve is a kind of valve which can take long distance and quick action to shut off the pipeline.

作用原理及结构说明

当控制器按事先编好的程序对某个气源换向阀输出一个信号,该换向阀动作,使带压仪表气源通过换向阀的切换进入气动执行机构的气缸或气室,推动活塞运动和阀门开启或关闭。

Function and structure

When the controller output a signal to the reversing valve of the air supply, the reversing valve takes action and makes the air into the up or down cavity of the cylinder, pushes the piston to open or close the valve via the conversion of the reversing valve.

性能范围 Performance Specifications

规格NPS/DN:	15~200	MoA
公称压力Class:	1.6~16.0	
密封试验压力 Seal test:	1.1 (倍) / 1.1 (times)	
壳体强度试验压力 Shell Test:	1.5 (倍) / 1.5 (times)	
工作温度 Working temperature(°C):	-40~120 / -40~425	
适用介质 Medium:	水、蒸汽、油、气 Water, steam, oil, gas	
法兰长度 Face to face:	GB12221-89/GD12233	
法兰标准 End flange:	JB/T28-94	

主要外形和连接尺寸 JDQ41Y-16C From main types and connecting dimension

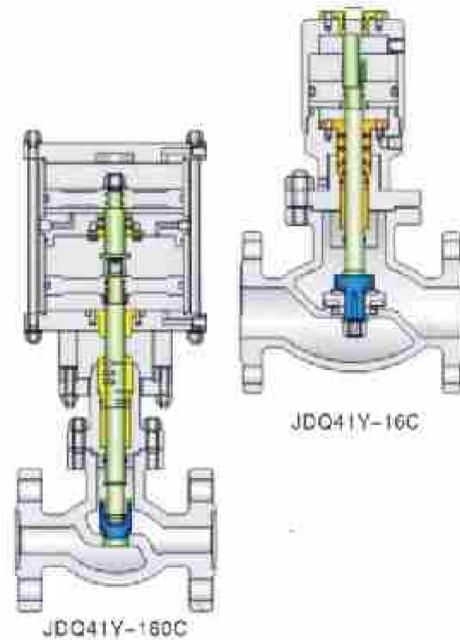
DN	L	C	D1	D2	D3	b	Z-Φ
15	150	95	65	45	14	14	4-Φ14
20	160	115	85	65	15	15	4-Φ14
25	160	135	100	75	18	18	4-Φ18
40	200	145	110	85	18	18	4-Φ18
50	250	160	125	100	20	20	4-Φ18
65	280	160	145	120	20	20	4-Φ18
80	310	165	160	135	22	22	8-Φ18
100	380	215	180	155	24	24	8-Φ18

主要外形和连接尺寸 JDQ41Y-160C From main types and connecting dimension

DN	L	C	D1	D2	D3	b	Z-Φ
15	170	110	75	62	35	24	4-Φ14
20	190	130	90	62	45	25	4-Φ23
25	210	140	100	72	50	25	4-Φ23
32	230	155	115	85	55	30	4-Φ25
40	260	175	125	80	75	30	4-Φ27
50	300	215	165	132	35	35	8-Φ25

主要外形和连接尺寸 JDQ11Y-160D From main types and connecting dimension

DN	15	20	25	32	40	50	65
L	90	100	120	140	170	200	260
C			1	1/4	1/2	2	2/3



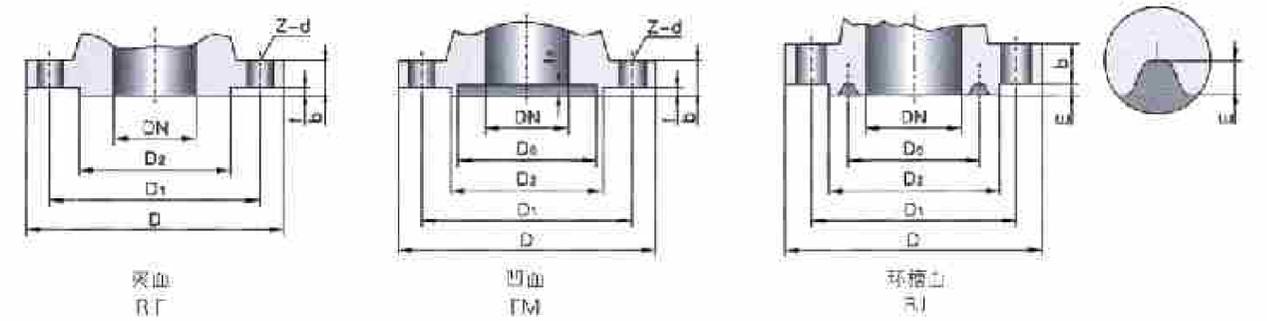
JDQ41Y-160C

主要零件材料 Main part materials

阀体 Body	WCB
阀瓣 Disk	WCB
阀杆 Stem	2Cr13
上盖 Cover	WCB
填料 Packing	F4
气缸 Cylinder	WCB/D165



整体钢制管法兰 Pipe flange of Integral steel



法兰连接尺寸 Connection dimension JB/T79.1 (突面 RF)

公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸 Dimension (mm)					
		r	R1	R2	h	f	Z-Φ
	25	115	85	65	16	7	4-14
	32	135	100	75	18	2	4-18
	40	145	110	85	18	3	4-18
	50	160	125	100	20	3	4-18
	65	180	145	120	20	3	4-18
	80	195	160	135	22	3	4-18
	100	215	180	155	22	3	8-18
	125	245	210	185	24	3	8-18
	150	280	240	210	24	3	8-23
	200	335	295	265	26	3	6-23
	250	390	350	320	28	3	12-23
	300	440	400	368	28	4	12-23
	350	500	460	428	30	4	16-23
	400	555	515	492	32	4	16-25
	450	615	565	552	32	4	20-25
	500	670	620	615	34	4	20-25
	600	790	725	695	36	5	20-30
	700	895	840	800	40	5	24-30
	800	1010	950	925	44	5	24-34
	900	1110	1050	1025	46	5	28-34
	1000	1220	1150	1115	50	5	28-34
	1200	1450	1390	1325	56	5	32-41



整体钢制管法兰 Pipe flange of Integral steel

法兰连接尺寸 Connection dimension JB/T79.1(凸面RF)

公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸 Dimension (mm)						
		D ₁	D ₂	D ₃	b	l	z-z	
1.6	15	95	110	45	14	2	4-14	
	20	105	120	55	14	2	4-14	
	25	115	130	65	14	2	4-14	
	32	135	150	78	16	2	4-18	
	40	145	160	85	16	3	4-18	
	50	160	175	100	18	3	4-18	
	65	180	195	115	18	3	4-18	
	80	195	210	130	20	3	8-18	
	100	215	230	150	20	3	8-18	
	125	245	260	165	22	3	8-18	
	150	260	280	180	24	3	8-23	
	200	335	360	240	28	3	12-25	
	250	405	435	300	32	3	12-25	
	300	460	495	350	36	4	12-25	
	350	515	555	400	40	4	16-30	
	400	565	610	450	44	4	16-30	
	450	620	670	500	48	4	20-30	
	2.5	15	95	110	45	10	2	4-14
20		105	120	55	16	2	4-14	
25		115	130	65	16	2	4-14	
32		135	150	78	18	2	4-18	
40		145	160	85	18	3	4-18	
50		160	175	100	20	3	4-18	
65		180	195	115	22	3	8-18	
80		195	210	130	22	3	8-18	
100		230	245	150	24	3	8-23	
125		270	290	165	28	3	8-25	
150		310	330	180	30	3	8-25	
200		400	430	240	36	3	12-30	
250		475	510	300	40	4	16-30	
300		550	590	360	44	4	16-30	
350		625	670	420	48	4	20-34	
400		700	750	480	52	4	20-34	
450		780	835	540	56	4	24-41	
500		860	920	600	60	5	24-41	
600	1000	1070	700	68	5	28-48		
700	1100	1180	800	72	5	28-48		
800	1200	1300	900	76	5	32-54		



整体钢制管法兰 Pipe flange of Integral steel

法兰连接尺寸 Connection dimension JB/T79.2(凹面RFM)

公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸 Dimension (mm)							
		D ₁	D ₂	D ₃	D ₄	b	l ₁	l ₂	z-z
4.0	15	95	65	45	40	18	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
	40	145	110	85	74	18	3	4	4-18
	50	160	125	100	84	20	3	4	4-18
	65	180	145	115	94	22	3	4	8-18
	80	195	160	130	104	22	3	4	8-18
	100	230	190	150	114	24	3	4.5	8-23
	125	270	220	165	124	28	3	4.5	8-25
	150	310	250	180	134	30	3	4.5	8-25
	200	400	320	240	154	36	4	4.5	12-30
	250	475	385	305	173	42	4	4.5	12-34
	300	550	450	365	192	46	4	4.5	16-34
	350	625	515	425	211	52	4	5	16-34
	400	700	585	485	230	58	4	5	16-41
	450	780	655	545	249	64	4	5	20-41
	500	860	725	605	268	70	4	5	20-48
6.4	15	105	75	55	40	18	2	4	4-14
	20	115	85	65	51	16	2	4	4-14
	25	125	95	75	58	16	2	4	4-14
	32	145	110	85	66	18	2	4	4-18
	40	155	120	95	74	18	3	4	4-18
	50	170	135	105	84	20	3	4	4-18
	65	190	155	120	94	22	3	4	8-18
	80	210	170	130	104	22	3	4	8-18
	100	250	200	150	114	24	3	4.5	8-23
	125	290	230	165	124	28	3	4.5	8-25
	150	330	260	180	134	30	3	4.5	8-25
	200	420	345	240	154	36	4	4.5	12-34
	250	500	415	300	173	42	4	4.5	12-34
	300	580	480	360	192	46	4	4.5	16-34
	350	660	550	420	211	52	4	5	16-41
	400	740	620	480	230	58	4	5	16-41
	450	820	695	540	249	64	4	5	20-48
	500	900	770	600	268	70	4	5	20-48
600	1040	895	720	288	76	5	5	24-54	



整体钢制管法兰 Pipe flange of Integral steel

法兰连接尺寸 Connection dimension JB/T79 (环槽面RJ)

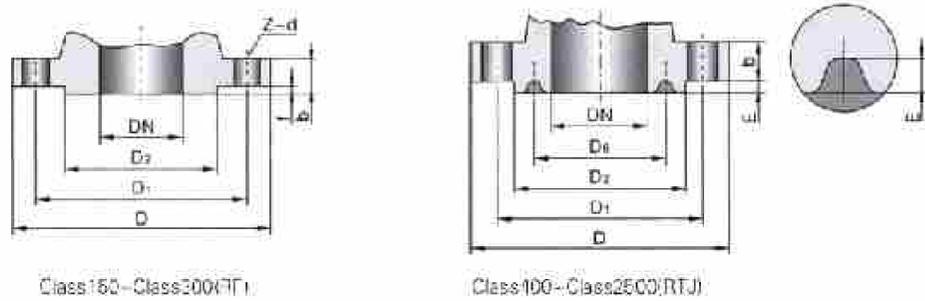
公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸 Dimension (mm)								
		D	D ₁	D ₂	D ₃	r	l	l ₁	z-φ	
10.0	15	100	75	55	35	20	2	4	4-14	
	20	125	90	60	45	22	2	4	4-18	
	25	135	100	70	50	24	2	4	4-18	
	32	150	110	82	65	24	2	4	4-23	
	40	165	125	95	75	26	3	4	4-23	
	50	195	145	112	95	28	3	4	4-25	
	65	220	170	138	110	32	3	4	8-25	
	80	235	180	148	115	34	3	4	8-26	
	100	265	210	172	145	36	3	4.5	8-30	
	125	310	260	210	175	42	3	4.5	8-34	
	150	360	310	250	205	48	3	4.5	12-34	
	200	430	380	312	245	54	3	4.5	12-41	
	250	500	450	382	320	60	3	4.5	12-41	
	300	580	530	442	375	70	4	4.5	16-46	
	350	660	600	508	420	76	4	5	16-54	
	400	710	620	538	460	80	4	5	16-54	
450	770	675	615	540	84	4	5	16-58		
500	870	760	690	580	90	5	5	20-66		
16.0	15	110	75	52	35	24	2	4	4-18	
	20	130	90	62	45	26	2	4	4-23	
	25	140	100	72	50	28	2	4	4-23	
	32	165	115	85	65	30	2	4	4-25	
	40	175	125	92	75	32	3	4	4-27	
	50	215	165	122	95	36	3	4	8-26	
	65	245	190	152	110	44	3	4	8-30	
	80	260	205	168	120	48	3	4	8-30	
	100	300	240	200	160	48	3	4.5	8-34	
	125	360	310	238	190	54	3	4.5	8-41	
	150	380	318	250	205	58	3	4.5	12-41	
	200	480	400	345	275	76	3	4.5	12-46	
	250	580	485	425	330	86	3	4.5	12-54	
	300	660	570	510	380	100	4	4.5	16-64	
	20.0	15	120	82	20	40	26	2	5	4-23
		20	130	90	35	45	26	2	5	4-23
25		150	102	42	50	30	2	5	4-25	
32		160	115	50	65	32	2	5	4-25	
40		170	124	56	75	34	3	5	4-27	
50		210	160	70	95	40	3	5	8-25	
65		260	203	87	110	48	3	5	8-30	
80		290	220	115	160	54	3	5	8-34	
100		360	282	138	190	66	3	5	8-41	
125		380	318	170	205	76	3	5	12-41	
150		440	380	190	240	82	3	5	12-48	
200		530	440	245	305	92	3	5	12-54	
250		620	572	319	380	110	3	5	12-66	



整体钢制管法兰 Pipe flange of Integral steel

法兰连接尺寸 Connection dimension GB/T9113 (环槽面RJ)

公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸 Dimension (mm)					槽口 Number of threads
		D	D ₁	D ₂	r	z-φ	
26.0	15	120	82.5	39.67	22.5	4-22	12
	20	130	89	44.45	25.5	4-22	14
	25	150	101.5	52.3	29	4-26	16
	32	160	111	60.32	29	4-26	18
	40	180	124	68.98	32	4-29.6	20
	50	210	160	85.25	38.0	6-20	24
	65	245	190.5	107.95	41.5	6-29.5	27
	80	265	200	125.52	46	6-32.5	35
	100	310	241.5	161.32	54	6-35.5	39
	125	375	292	194.88	63.5	8-42	44
	150	380	318	211.12	83	12-49	48
	200	480	410	268.38	92	12-45	60
	250	585	482.5	323.35	108	12-61	64
	300	675	571.5	391	124	16-65	50
	350	750	635	415.1	133.5	16-60	53
	400	825	705	489.9	148.5	16-63	67
450	915	774.5	531.4	162	18-74	71	
500	965	832	594.2	178	16-60	70	
600	1170	993.5	692.15	203.5	16-64	79	
42.0	15	125	89	42.86	30.5	4-22	13
	20	140	95	50.3	32	4-22	16
	25	160	108	60.32	35	4-26	18
	32	180	130	72.94	38.0	4-29.6	21
	40	205	146	82.55	44.5	4-32.5	23
	50	235	171.5	101.6	51	6-29.5	26
	65	265	197	111.12	57.5	6-32.5	28
	80	305	228.5	127	67	8-45.5	32
	100	385	290	167.18	76.5	8-42	38
	125	420	324	190.5	92.5	8-48	42
	150	485	363.5	226.6	108	8-55	47
	200	550	436	278.4	127	12-55	51
	250	675	533.5	342.9	155.5	12-63	55
	300	760	618	406.4	184.5	12-74	60



法兰连接尺寸 Connection dimension ASME B16.5(突面RF)

公称压力 Nominal pressure PN(MPa)	DN		尺寸 Dimension(mm)					螺栓数量(Q) Quantity of the bolt	螺栓孔径(Φ) Aperture of the bolt
	mm	in	D	D ₁	D ₂	h			
Class 150	15	1/2	89	83.5	35	11.5	4	16	
	20	3/4	98	93	43	12.5	4	16	
	25	1	108	103.5	51	14	4	16	
	32	1 1/4	117	113	64	16	4	16	
	40	1 1/2	127	123.5	73	17.5	4	16	
	50	2	152	147.5	92	19	4	19	
	65	2 1/2	178	173.5	105	22.5	4	19	
	80	3	190	185.5	127	24	4	19	
	100	4	229	224.5	157	24	8	19	
	125	5	264	260	188	24	8	22	
	150	6	279	274.5	216	26	8	22	
	200	8	343	338.5	270	29	8	22	
	250	10	406	402	324	31	12	25	
	300	12	483	479	391	32	12	25	
	350	14	533	529	413	35	12	25	
	400	16	597	593	473	37	18	25	
	450	18	636	632	533	40	18	32	
	500	20	699	695	584	43	20	32	
600	24	813	809	692	48	20	35		



法兰连接尺寸 Connection dimension ASME B16.5(突面RF)

公称压力 Nominal pressure PN(MPa)	DN		尺寸 Dimension(mm)					螺栓数量(Q) Quantity of the bolt	螺栓孔径(Φ) Aperture of the bolt
	mm	in	D	D ₁	D ₂	h			
Class 300	15	1/2	95	89.5	35	15	4	16	
	20	3/4	117	112.5	43	15	4	19	
	25	1	124	119	51	15	4	19	
	32	1 1/4	133	128.5	64	18	4	19	
	40	1 1/2	156	151.5	73	21	4	22	
	50	2	185	180.5	92	23	8	19	
	65	2 1/2	190	185.5	105	23	8	22	
	80	3	210	205.5	127	23	8	22	
	100	4	254	250	157	32	8	22	
	125	5	279	274.5	188	35	8	22	
	150	6	318	313.5	216	37	12	22	
	200	8	381	376.5	270	42	12	25	
	250	10	446	441.5	324	45	15	29	
	300	12	521	516.5	391	51	15	32	
	350	14	594	589.5	413	54	20	32	
	400	16	648	643.5	470	58	20	35	
	450	18	711	706.5	533	61	24	35	
	500	20	775	770.5	584	64	24	35	
600	24	914	909	692	70	24	41		

法兰连接尺寸 Connection dimension ASME B16.5(环槽面RJ)

公称压力 Nominal pressure PN(MPa)	DN		尺寸 Dimension(mm)					螺栓数量(Q) Quantity of the bolt	螺栓孔径(Φ) Aperture of the bolt
	mm	in	D	D ₁	D ₂	D ₃	h		
Class 400	15	1/2	85	80.5	30.8	44.1	14.5	4	16
	20	3/4	115	110.5	33.5	47.9	16	4	19
	25	1	124	119	41	50.8	17.5	4	19
	32	1 1/4	133	128.5	49	53.5	21	4	19
	40	1 1/2	156	151.5	59	58.3	22.5	4	22
	50	2	185	180.5	70.8	62.5	25.5	8	19
	65	2 1/2	190	185.5	77	66.5	28	8	22
	80	3	210	205.5	88	72.5	32	8	22
	100	4	254	250	105	79.2	35	8	25
	125	5	279	274.5	120	83	38.5	8	25
	150	6	318	313.5	141	87.1	41.5	12	25
	200	8	381	376.5	170	91	45	12	29
	250	10	446	441.5	200	95.5	54	15	32
	300	12	521	516.5	241	99	67.5	18	35
	350	14	594	589.5	282	103.1	80.5	20	35
	400	16	658	653.5	333	107.4	87	24	39
	450	18	711	706.5	394	111.4	97	24	42
	500	20	775	770.5	455	115.2	107	24	42
600	24	914	909	543	125.2	121	24	48	



法兰连接尺寸 Connection dimension ASME B16.5(环槽面RJ)

公称压力 Nominal pressure PN(MPa)	DN		R (Dimension(mm))						
	mm	in	D ₁	D ₂	D ₃	D ₄	a	螺栓数量(N) Quantity of the bolt	螺栓孔径 (Φ) Aperture of the bolt
Class600	15	1/2	45	88.5	50.5	34.1	15	4	16
	20	3/4	114	89.5	63.5	47.0	16	4	16
	25	1	124	89	70	50.8	18	4	16
	32	1 1/4	133	98.5	79	60.3	21	4	16
	40	1 1/2	150	114.5	90	68.3	23	4	22
	50	2	166	127	108	82.6	26	8	19
	65	2 1/2	190	149	127	101.5	29	8	22
	80	3	210	168	146	123.3	32	8	22
	100	4	273	210	175	145.2	38	8	25
	125	5	300	266.5	210	181	45	8	28
	150	6	326	282	241	211.1	48	12	28
	200	8	419	349	302	270	55	12	32
	250	10	503	432	356	323.9	64	16	35
	300	12	569	489	418	381	67	20	38
	350	14	604	527	457	418.1	70	20	38
	400	16	685	603	538	462.9	77	20	41
450	18	743	654	574.5	503.4	83	20	44	
500	20	813	724	635	564.2	89	24	44	
600	24	943	838	749	682.2	102	24	52	
Class900	15	1/2	121	82.5	60.5	39.7	22.5	4	23
	20	3/4	130	88.3	66.5	44.5	23.5	4	23
	25	1	149	101.6	71	50.8	29	4	26
	32	1 1/4	169	111.1	81	60.3	29	4	26
	40	1 1/2	178	123.8	92	68.3	32	4	28
	50	2	216	166.1	124	95.9	32.5	8	26
	65	2 1/2	244	190.5	137	109	41.5	8	29
	80	3	241	180.6	156	123.3	38.5	8	26
	100	4	292	234.6	181	145.2	44.5	8	32
	125	5	343	279.4	216	181	51	8	36
	150	6	381	317.5	241	211.1	55	12	32
	200	8	470	393.7	308	262.9	63.5	12	36
	250	10	545	469.9	332	323.9	70	16	39
	300	12	610	523.4	419	381	73.5	20	38
	350	14	640	558.2	457	418.1	83	20	42
	400	16	705	615.6	524	462.9	89	20	45
450	18	785	685.6	594	503.4	102	20	51	
500	20	869	749.3	648	564.2	108	20	54	
600	24	1040	901.7	777	682.2	130	20	62	



法兰连接尺寸 Connection dimension ASME B16.5(环槽面RJ)

公称压力 Nominal pressure PN(MPa)	DN		R (Dimension(mm))						
	mm	in	D ₁	D ₂	D ₃	D ₄	a	螺栓数量(N) Quantity of the bolt	螺栓孔径 (Φ) Aperture of the bolt
Class1500	15	1/2	121	82.5	60.5	39.7	22.5	4	23
	20	3/4	130	88.3	66.5	44.5	23.5	4	23
	25	1	149	101.6	71	50.8	29	4	26
	32	1 1/4	169	111.1	81	60.3	29	4	26
	40	1 1/2	178	123.8	92	68.3	32	4	28
	50	2	216	166.1	124	95.9	32.5	8	26
	65	2 1/2	244	190.5	137	109	41.5	8	29
	80	3	241	180.6	156	123.3	38.5	8	26
	100	4	292	234.6	181	145.2	44.5	8	32
	125	5	343	279.4	216	181	51	8	36
	150	6	381	317.5	241	211.1	55	12	32
	200	8	470	393.7	308	262.9	63.5	12	36
	250	10	545	469.9	332	323.9	70	16	39
	300	12	610	523.4	419	381	73.5	20	38
	350	14	640	558.2	457	418.1	83	20	42
	400	16	705	615.6	524	462.9	89	20	45
450	18	785	685.6	594	503.4	102	20	51	
500	20	869	749.3	648	564.2	108	20	54	
600	24	1040	901.7	777	682.2	130	20	62	
Class2100	15	1/2	133	83.5	65	42.0	30.5	4	23
	20	3/4	140	88.2	73	50.8	32	4	23
	25	1	159	107.9	82.5	60.3	35	4	26
	32	1 1/4	184	130.2	102	72.2	38.5	4	29
	40	1 1/2	200	146	114	82.6	41.5	4	32
	50	2	235	171.4	133	101.6	51	8	29
	65	2 1/2	267	196.8	149	111.1	61.5	8	32
	80	3	305	228.6	168	127	67	8	35
	100	4	356	273	203	157.2	76.5	8	42
	125	5	418	323.8	241	190.6	92.6	8	48
	150	6	482	388.3	279	229.6	108	8	54
	200	8	550	448.1	340	279.4	127	12	54
	250	10	625	519.7	425	342.9	155.5	12	62
	300	12	700	610.1	485	406.4	184.5	12	74



对接焊端 Butt-welding ends

对接焊端Butt-welding ends ASME B16.25

公称直径 Nominal Size	壁厚 Schedule Number/Class	焊端外径 Outside diameter		公称内径 Nominal inside diameter		机加内径 Machined inside diameter		管子壁厚 Nominal wall thickness	
		inch	mm	inch	mm	inch	mm	inch	mm
2 1/2	40	2.00	73.0	2.408	62.0	2.475	62.97	0.203	5.2
	30			2.323	59.0	2.351	59.72	0.276	7.0
	160			2.195	55.3	2.175	55.32	0.375	9.5
	XXS			1.771	45.0	1.865	47.45	0.352	14.0
3	40	3.50	89.0	3.065	77.9	3.081	78.25	0.216	5.5
	30			2.900	73.7	2.934	74.57	0.300	7.6
	160			2.624	66.7	2.692	68.39	0.438	11.1
	XXS			2.300	58.5	2.403	61.13	0.500	12.7
4 1/2	40	4.00	101.6	3.545	90.2	3.504	90.53	0.220	5.7
	30			3.364	85.4	3.402	86.41	0.318	8.1
4	40	4.50	114.3	4.028	102.1	4.024	102.72	0.237	6.0
	30			3.825	97.1	3.862	98.27	0.337	8.6
	120			3.674	92.1	3.697	93.74	0.438	11.1
	160			3.434	87.3	3.500	88.91	0.531	13.5
	XXS			3.152	80.1	3.273	83.23	0.574	14.6
5	40	5.50	141.3	5.047	128.1	5.070	128.76	0.258	6.6
	30			4.813	122.3	4.865	123.90	0.370	9.5
	120			4.583	116.3	4.647	118.39	0.500	12.7
	160			4.314	109.5	4.424	112.47	0.595	15.1
XXS	4.063	103.3	4.203	106.91	0.750	19.0			
6	40	6.00	168.3	6.085	154.1	6.094	154.70	0.380	9.7
	30			5.761	146.4	5.825	148.31	0.437	11.0
	120			5.501	139.7	5.600	142.24	0.562	14.3
	160			5.187	131.2	5.291	134.25	0.718	18.3
XXS	4.897	124.0	5.072	128.33	0.764	19.5			
8	40	8.00	219.1	7.981	202.7	8.020	203.71	0.322	8.2
	30			7.813	196.5	7.873	199.97	0.400	10.3
	30			7.625	193.7	7.702	195.31	0.500	12.7
	100			7.437	188.4	7.544	191.52	0.594	15.1
	120			7.187	182.5	7.325	186.06	0.718	18.3
	140			7.001	177.3	7.163	181.94	0.812	20.6
	XXS			6.875	174.7	7.063	179.35	0.858	21.8
	160			6.813	173.1	6.995	177.70	0.900	23.0



对接焊端 Butt-welding ends

对接焊端Butt-welding ends ASME B16.25

公称直径 Nominal Size	壁厚 Schedule Number/Class	焊端外径 Outside diameter		公称内径 Nominal inside diameter		机加内径 Machined inside diameter		管子壁厚 Nominal wall thickness	
		inch	mm	inch	mm	inch	mm	inch	mm
10	40	10.75	273	10.320	259.4	10.070	255.78	0.305	9.3
	30			9.750	247.6	9.334	239.78	0.500	12.7
	90			9.582	242.8	9.120	231.82	0.588	15.1
	100			9.312	236.4	8.951	228.06	0.719	18.3
	120			9.062	230.2	8.732	222.49	0.844	21.4
	160			8.710	221.2	8.408	214.50	1.000	25.4
12	STD	12.75	323.8	12.000	304.8	12.053	308.15	0.375	9.5
	40			11.938	303.2	11.999	304.77	0.400	10.3
	XS			11.750	298.4	11.834	300.58	0.500	12.7
	90			11.528	292.2	11.705	291.42	0.582	14.8
	30			11.374	289.6	11.535	292.23	0.598	15.2
	100			11.262	288.0	11.322	287.21	0.644	16.4
	120			10.950	279.0	10.969	279.31	0.900	22.9
	140			10.500	266.6	10.740	272.90	1.125	28.6
	160			10.128	257.2	10.413	264.49	1.312	33.3
	STD			13.250	338.0	13.333	337.90	0.375	9.5
14	40	14.00	355.8	13.124	333.4	12.932	329.08	0.438	11.1
	30			13.000	330.2	13.094	332.03	0.600	15.2
	50			12.812	325.4	12.920	323.17	0.594	15.0
	90			12.500	317.6	12.646	321.21	0.750	19.0
	100			12.124	308.0	12.318	312.38	0.938	23.9
	120			11.812	300.0	12.044	305.92	1.094	27.8
	140			11.500	292.0	11.771	294.98	1.260	32.0
	160			11.188	284.2	11.498	292.05	1.400	35.7
	STD			15.250	387.4	15.333	388.70	0.375	9.5
	16			40	16.00	406.4	15.000	381.0	15.094
30		14.880	373.0	14.811			378.20	0.656	16.7
90		14.612	363.6	14.452			367.34	0.844	21.4
100		13.930	354.0	14.155			359.54	1.031	26.2
120		13.562	344.4	13.826			351.18	1.219	31.0
140		13.124	333.4	13.442			341.42	1.438	36.6
160		12.612	322.4	13.170			334.52	1.694	43.0



对接焊端 Butt-welding ends

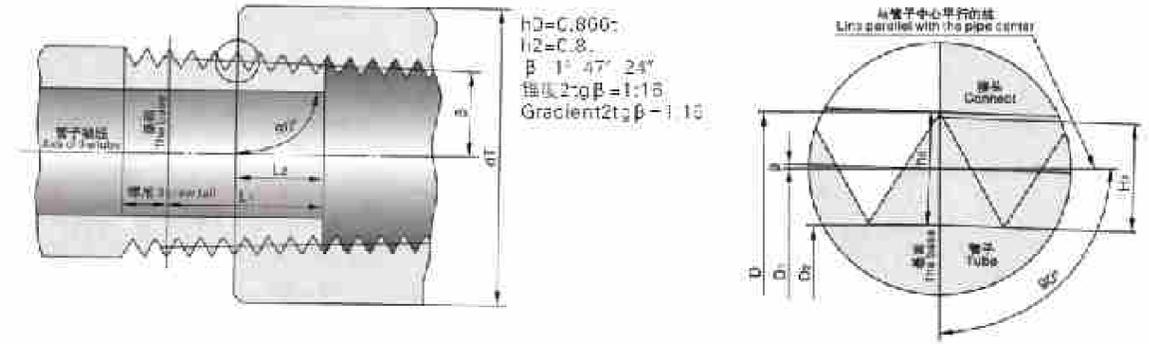
对接焊端Butt-welding ends ASME B16.25

公称直径 Nominal size 口径	系列 Schedule number or wall	焊端外径 Outside diameter		公称口径 Nominal inside diameter		机械加工 Machine base diameter		管子壁厚 Nominal wall thickness	
		inch	mm	inch	mm	inch	mm	inch	mm
18	STD	18.00	457.2	17.940	454.2	17.319	439.50	0.375	9.5
	XS			17.000	430.4	17.000	430.40	0.500	12.7
	40			16.676	426.8	16.576	421.17	0.562	14.3
	60			16.500	419.2	16.646	422.91	0.750	19.0
	80			16.124	409.8	16.278	414.48	0.888	22.6
	100			15.644	396.4	15.946	404.77	1.188	30.1
	120			15.200	387.4	15.500	392.50	1.375	34.9
	140			14.676	372.8	15.226	386.72	1.562	39.7
	160			14.438	366.8	14.842	376.30	1.781	45.2
20	STD	20.00	508.0	19.940	493.0	19.319	488.00	0.375	9.5
	XS			19.000	482.0	19.000	484.73	0.500	12.7
	40			18.612	477.8	18.920	480.57	0.594	15.1
	60			18.276	466.8	18.538	470.37	0.812	20.6
	80			17.928	456.8	18.188	461.14	1.031	26.2
	100			17.436	443.0	17.717	450.01	1.281	32.5
	120			17.000	431.8	17.334	440.25	1.500	38.1
	140			16.500	419.2	16.936	429.16	1.750	44.4
	160			16.082	408.2	16.513	419.42	1.969	50.0
22	STD	22.00	558.8	21.940	538.8	21.300	541.10	0.375	9.5
	XS			21.000	533.4	21.000	535.53	0.500	12.7
	30			20.250	514.4	20.428	518.87	0.576	14.6
	40			19.790	501.6	19.930	507.76	1.125	28.6
	60			19.214	488.8	19.183	491.08	1.316	33.0
	80			18.700	476.2	18.110	465.02	1.520	38.4
	100			18.250	463.8	18.676	474.42	1.576	40.0
	120			17.750	450.8	18.240	463.30	2.125	54.0
	140			17.250	437.8	17.800	452.20	2.375	60.0
24	STD	24.00	609.6	23.940	590.8	23.300	581.90	0.375	9.5
	XS			23.000	584.2	23.000	586.33	0.500	12.7
	30			22.676	581.0	22.976	583.57	0.562	14.3
	40			22.604	574.6	22.756	577.86	0.788	20.0
	60			22.000	560.4	22.200	561.46	0.888	22.6
	80			21.532	547.8	21.826	554.36	1.215	31.0
	100			20.936	531.8	21.200	540.51	1.531	39.0
	120			20.376	517.8	20.748	528.02	1.812	46.0
	140			19.846	504.8	20.350	516.81	2.062	52.4
	160			19.312	490.8	19.857	504.37	2.344	59.5



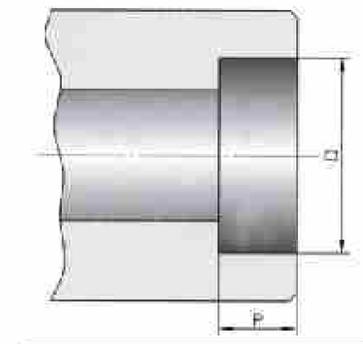
对接焊端 Butt-welding ends

锥管螺纹 National taper pipe thread



公称口径 Nominal size	每英寸牙数 Threads per inch	螺距 Pitch (Thread)	螺纹长度 Thread length	基准上的螺距直径 DIA. at Reference surface	螺距螺纹内径 Bore DIA. in the pipe thread	工作高度 Height			
n	mm	p	l	l ₁	d ₁	d ₂			
3/8	10	1.337	10.5	5.096	17.055	15.928	14.707	14.415	1.123
1/2	14	1.814	13.5	8.128	21.223	19.772	18.321	17.513	1.451
3/4	14	1.814	14	8.611	26.568	25.117	23.666	23.128	1.451
1	20	2.309	17.5	10.180	31.228	31.481	29.894	29.083	1.782
1 1/4	32	2.309	18	10.538	41.985	40.218	38.451	37.734	1.757
1 1/2	40	2.309	18.5	10.898	48.054	46.287	44.520	43.803	1.757
2	50	2.309	19	11.074	60.092	58.325	56.558	55.845	1.757

ASME B16.11承插焊端 Socket welded ends



公称口径 Nominal size	n	3PE	1/2	3/4	1	1 1/4	1 1/2	2
	mm	10	15	20	25	32	40	50
D	mm	17.8	21.8	27.9	33.8	42.7	48.4	61.2
Pmin	mm	9.5	9.5	12.5	12.5	12.5	12.5	16