



欧维克集团有限公司

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贴心的服务永远第一 为顶级品牌提供周到服务

CONSIDERATE SERVICES FOR TOP BRAND.

欧维克是一个集先进技术和人才的高新技术企业，一直以来把科技创新作为企业发展的动力。

欧维克是一个充满年轻活力的企业，充满激情一直是欧维克的商业文化。

欧维克是一个开始顺应全球化经济和贸易的快速发展企业，欧维克正在迅速发展。

OVIKO is a scientific and technological enterprise, it is an integration of advanced technology and talents.

OVIKO takes the scientific and technological innovation as a direct driving force for the development of the enterprise.

OVIKO is a young enterprise freshmen and the vitality is OVIKO, s characteristics. The upsurge of passion is the OVIKO, s business culture.

OVIKO is a fast-growing enterprise, which starts of the globalization of economic and trade exchanges OVIKO is growing rapidly.



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我们不遗余力的为客户
提供最好的技术支持

WE ARE DEDICATING TO
PROVIDING BEST TECHNICAL
ACT FOR CUSTOMERS.

在发展的道路上，我们一直奉行着质量是发展的基石这项原则，良好的售后服务和成熟的管理体系，密切关注客户的需要，着力提升整个市场水平。假如发展是公司的主题的话，决策就是指引我们前进的方向。公司的管理层将保持高度的热情和勇气带领全体欧维克员工在前进的道路上披荆斩棘。

On the road of progress, we keep to the tenet of "prosper from Quality and Start-after-sale service and mature management system, and we pay attention to customer's need, we will try our best to boost the development of the whole field. If development is to be a theme, decision-making is the fortis that determines directions. The management board of Vectors Group, with boldness and passion, is leading all the group members to advance.

ABOUT US | 关于我们 |

欧维克集团有限公司坐落在“中国著名的泵阀之乡”浙江温州瓯北安丰工业区，东临风景秀丽的楠溪江雁荡山，南临著名的瓯江。是一家集产品技术开发、生产制造、销售服务为一体的无区域企业。

公司始建于2004年，前身为浙江欧维克阀门有限公司。注册资金12800万元，占地86000平方米，加工设备389台套，现有员工368人，OVK荣获浙江省著名商标和浙江省名牌产品称号。集团在温州和丽水两地建立生产基地，

公司主要生产金属硬密封球阀、管线球阀、全焊接球阀、管焊球阀、顶装式球阀、双球球阀、V型球阀、轨道球阀、偏心半球阀、三通球阀、低温球阀、闸阀、止回阀、截止阀、节流阀等。产品符合ANSI/API、DIN、JIS、BS、NF及BS等标准规范。产品广泛应用于石油、石化、化工、核电、煤化工、集输管线、燃气、造船、冶金、电力、多晶硅、航空航天、食品、制药、水利、城建及楼宇等行业。产品出口欧洲、北美洲、南美洲、亚洲等国家以及中国的台湾地区。长期以来公司生产的产品质量稳定可靠，价格合理、交货及时，深受用户好评。

产品覆盖工况的压力等级1.0MPa~70.0MPa，温度-196~1000℃，规格1/4"~64"，材料A105、LF2、LC3、12Mn、F5、F9、F11、F22、304、304L、316、316L、316H、321、347、F51、F53、F55、F60、F91、Monel、Inconel、Hastelloy、WCB、LCB、LCC、C5、WC6、WC9、CF8、CF8M、CF8C、CF3、CF3M、CF3C、4A、5A、6A等材料。适用于水、蒸汽、油品、液化气、天然气、煤气、硝酸、醋酸、氧化性介质、尿素等介质。根据现场工况采取手动、齿轮传动、涡轮传动、气动、气液联动、电动等多种阀门驱动方式。

公司建立了完善的质量管理体系，获得ISO9001、ISO14001、OHSAS18001、API Q1、API 6D、API 607、API 6FA、CE、DNV防爆证书、俄罗斯天然气市场准入证。利用计算机采用科学的信息管理系统严格控制质量管理体系运行，项目管理采用PDM软件、产品设计CAD、Solidworks软件、工艺工装CAPP软件、工序工步CAM软件、产品实现过程的ERP软件和信息收集自动汇总存档的BOM软件。

公司具有完善的试验检测手段和设备，有便携式光谱仪、直读式光谱仪、红外碳硫分析仪、电液式直读万能材料试验机、冲击试验机、电子式弹簧拉压试验机、布氏硬度仪、洛氏硬度仪、维氏硬度仪、超声波无损检测仪、磁粉无损检测仪、着色无损检测、射线无损检测仪、移动式激光三坐标测量仪、门式激光三坐标测量仪、阀门压力性能试验机、低温试验装置、高温试验装置、低泄漏氨质谱检漏仪、40MPa高压气体试验装置、阀门压力与扭矩变化测试仪等检测设备。

公司持有世界最先进、国内最大的、球体内径1600米（64"）意大利进口的车铣磨加工中心、国内阀门行业顶尖往复交换工作台卧式加工中心、镗铣复合加工中心、龙门加工中心、四轴联动立式加工中心、立式加工中心、卧式加工中心、多功能车削加工中心、立式数控车床、卧式数控车床、数控自动控制喷漆流水线、数控超声波清洗机、等156台数控设备。

公司秉承“精益求精，追求卓越”的企业精神，为用户提供质量安全可靠稳定、价格合理、交货及时的产品和满意周到的服务。

OVICO Group Co., Ltd. is located in "township of the famous Chinese pump valve" Wenzhou Oubei Anfeng Industrial Zone, East scenic Nanxi Yandang Mountain, South Oujian famous. Is a collection of product technology development, manufacturing, sales and service as one of the non regional enterprises.

Company was founded in 2004, formerly known as the Zhejiang Valve Co., Ltd.. Registered capital of 128 million yuan, covers an area of 86000 square meters, 389 sets of processing equipment, 368 employees, ovk won the famous trademark of Zhejiang Province and the title of brand-name products in Zhejiang Province. Group in Lishui and Wenzhou to establish a production base,

The company mainly produces metal hard seal ball valve, pipeline ball valve, full welded ball valve, ball valve pipe welding, top mounted ball, double ball valve, V type ball valve, track ball valve, eccentric semi ball valve, three-way ball valve, cryogenic ball valve, gate valve, check valves, globe valves, throttle valve. Products in line with ANSI/API, DIN, JIS, BS, NF and BS and other standards. Products are widely used in petroleum, petrochemical, chemical, nuclear power, coal chemical industry, set pipeline, gas, shipbuilding, metallurgy, electric power, polysilicon, aerospace, food, pharmaceutical, water, urban construction and building etc. industries. Products exported to Europe, North America, South America, Asia and other countries, as well as China's Taiwan region. For a long time, the company's product quality is stable and reliable, reasonable price, prompt delivery, well received by users.

Products covered by the operating pressure rating 1.0MPa ~ 70.0MPa and temperature - 196 ~ 1000 DEG C, standard 1 / 4 "to 64", material A105, LF2, LC3, 12Mn, F5, F9, F11, F22, 304, 304L, 316 and 316L, 316H, 321, 347, F51, F53, F55, F60, F91, Monel, Inconel, Hastelloy, WCB, LCB, LCC, C5, wc6, wc9, CF8, CF8M, cf8c, CF3, cf3m, cf3c, 4a, 5A, 6a, materials. Suitable for water, steam, oil, liquefied petroleum gas, natural gas, coal gas, nitric acid, acetic acid, oxidizing medium, urea and other media. According to the site conditions to take manual, gear transmission, turbine transmission, pneumatic, gas-liquid linkage, electric and other kinds of valve drive.

The company established a sound quality management system, access to ISO9001, ISO14001, OHSAS18001, Q1 API, 6D API, API 607, 6FA CE, API, DNV certificate, Russia's natural gas market access. Using computers, the use of scientific information management system to strictly control the operation of the quality management system and project management with PDM software, CAD product design, Solidworks software, technology and implementation process of ERP software and the collection of information automatic summarization archive of BOM system of CAPP system, process step CAM software, product equipment.

The company has perfect testing methods and equipment, portable spectrometer, direct reading spectrometer, infrared carbon sulfur analyzer, direct reading type electro-hydraulic universal material testing machine, impact testing machine, electronic spring tension and compression testing machine, hardness tester, Rockwell hardness tester, hardness tester, Vivtorinox ultrasonic nondestructive testing instrument, magnetic powder nondestructive testing, nondestructive testing, coloring X-ray nondestructive testing instrument, mobile laser three coordinate measuring machine, gantry laser three coordinate measuring instrument, the valve pressure testing machine, low temperature test equipment, test equipment, low leakage and high temperature helium leak detector and a 40MPa high pressure gas test device, the valve pressure and torque tester detection equipment.

Company holds the world's most advanced and largest, sphere diameter of 1600 meters (64 ") Italian imports of milling grinding machining center, the domestic valve industry leading reciprocating exchange table horizontal machining center, boring and milling composite processing center, gantry machining center, four axis linkage vertical and industry and Trade Center, vertical machining center, horizontal machining center, multifunctional turning center, vertical CNC lathe, horizontal CNC lathe, CNC automatic control spray pipeline, numerical control ultrasonic wave washing machine of 156 CNC equipment.

Company Ding Cheng "excellence, the pursuit of excellence" spirit of enterprise, to provide users with quality and safety, reliability and stability, reasonable price, timely delivery of products and satisfactory service.

每个流程都反映出欧维克的品质,系统化控制的流程,现代化的机械加工,确保产品的加工精度。公司严格按照ISO9001:2008质量管理体系,确保产品质量并赢得广大客户的信赖和一致的好评。

Each procedure reflects a OVIKO motives,A systematic process,The full implementation of computer-aided manufacturing,ensuring quality and ensure that the limit of accuracy.Meticulous,By using the target management and ISO900:2008 system of quality assurance system,to make the quality of OVIKO industry be trusted by the user.

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数控设备车间(A) CNC EQUIPMENTS WORKSHOP(A)

数控设备车间(B) CNC EQUIPMENTS WORKSHOP(B)





测试区TESTING AREA



油漆区 (A) PAINTING AREA(A)

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数控设备CNC EQUIPMENTS

油漆区 (B) PAINTING AREA(B)





数控立式车床(A)CNC VERTICAL LATHE(A)

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测试台TESTING BENCH



数控立式车床(B)CNC VERTICAL LATHE(B)



立式车床VERTICAL LATHE



全焊机(A)FULL WELDED MACHINE(A)



全焊机(B)
FULL WELDED MACHINE(B)





装配区(A)ASSEMBLY AREA(A)



装配区(B)ASSEMBLY AREA(B)



装配区(C)ASSEMBLY AREA(C)



装配区(D)ASSEMBLY AREA(D)

重视生产设备的重要性，为追求产品的完美，欧维克投入千万美元购买自动化设备，生产具有国际标准的优质钢铁产品。尖端设备代表了一个企业具有强大的生产能力，也确保了产品的卓越品质。先进的生产力和设备为产品的质量提供了强有力的保护，标准化的生产管理，也确保了欧维克加工基地的生产力量。

Well aware of the importance of production facilities, OVIKO has invested several ten million dollars to additional automation equipment, to produce international standard good-quality steel products by the internationalization of the production facilities if we want to do something perfect, we need to prepare the best tools first. Sophisticated equipment on behalf of an enterprise has a strong production capacity and to ensure excellence in product quality. Advanced and sophisticated productive equipments provide strong protection for quality of products. Standardize the production managements system, but also to ensure that the OVIKO production and processing base of strength.

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仓库WARE HOUSE



会议室MEETING ROOM

欧维克坚持以“超前、理性”的技术研究和发 展为目的，高精密，顶级的科研设备，为标准的国际质量奠定基础。科技是欧维克的活力，团队的智慧实现了欧维克的质量。为了使产品更加完美，欧维克邀请了一批资深工程师加入团队，从而行成欧维克专业、扎实的技术堡垒。

OVIKO sticks to "ahead,rational" technical research and development purposes,high,precise,top research equipment,makes a foundation for standard international quality. Technology is the vitality of OVIKO,The wisdom of Teamwork achieve the quality of OVIKO,In order to make our products more perfect OVIKO invited a group of senior engineering to join us,Thus formed a OVIKO-professional,solid technology fortress.

**CREATE
QUALITY
BY QULIFICATION
MAKE
TRADEMARK
BY QUALITY**



物理和化学实验室PHYSICAL AND CHEMICAL LAB

ABOUT STRENGTH

企业配备了先进的设备和检测仪器，拥有了一流的生产工艺和完善的质量管理体系，汇聚了专业的技术精英和杰出的加工人才，产品品质取决于先进的生产工艺和检测手段。这种精益求精的企业精神将永存不变。

The company has advanced apparatus and test instrument,superior craft and complete quality management system,the company gathers specialized technological elite and outstanding technical personnel. Product quality depends on advanced production and detection means.The persistent spirit of keeping improving will never change.





API闸阀
API Gate Valve



API闸阀
API Gate Valve



锻钢闸阀
Forged Steel Gate 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闸阀
API Gate Valve



低温闸阀
Cryogenic Gate Valve



API闸阀
API Gate Valve



API截止阀
API Globe Valve



API截止阀
API Globe Valve



API止回阀
API Check Valve



平板闸阀
Flat Gate Valve



平板闸阀
Flat Gate Valve



管道闸阀
Expanding through conduit Gate Valve



API止回阀
API Check Valve



API止回阀
API Check Valve



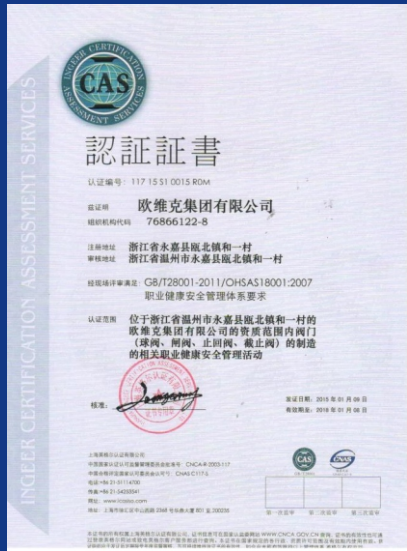
锻钢止回阀
Forged Steel Check Valve

PRODUCTS COLLECTION

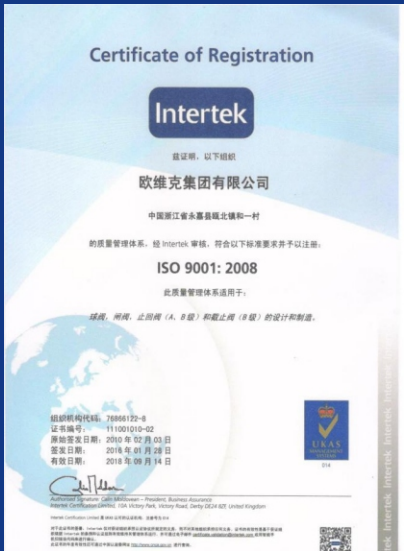
我们致力于为客户提供最好的技术。
We are dedicating to providing Best technical act for customers.

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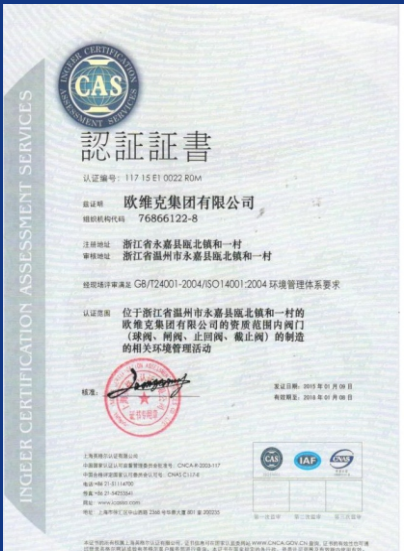




OHSAS18001: 2007职业健康安全管理体系证书（中文版）



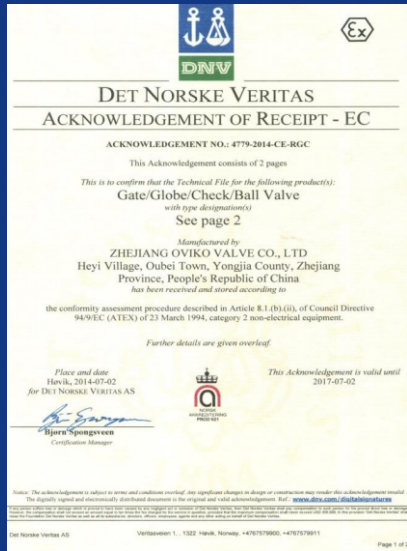
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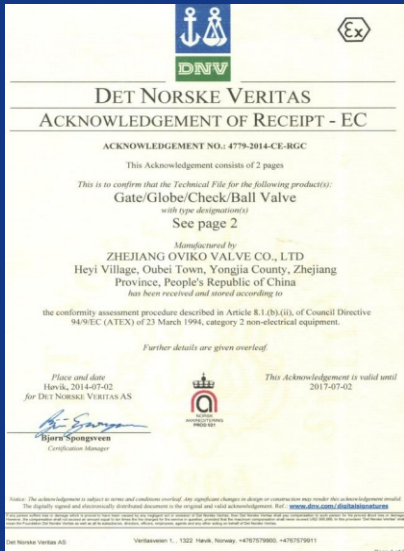
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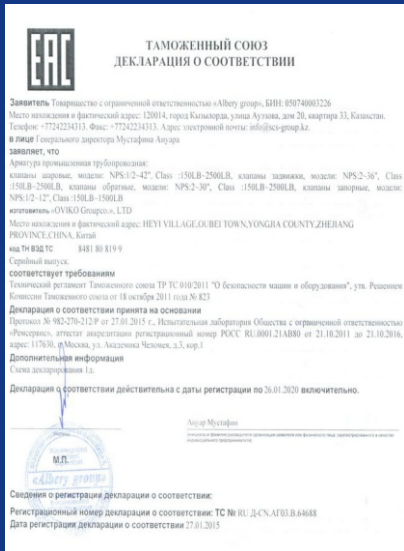
科技技术成果证书



DNV防爆证书1



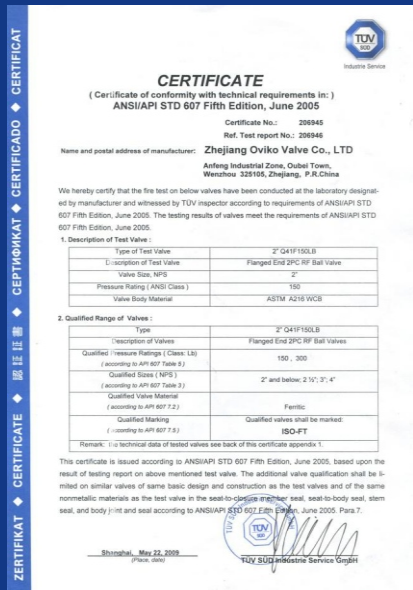
DNV防爆证书2



俄罗斯天然气市场准入证

ABOUT
QUALITY

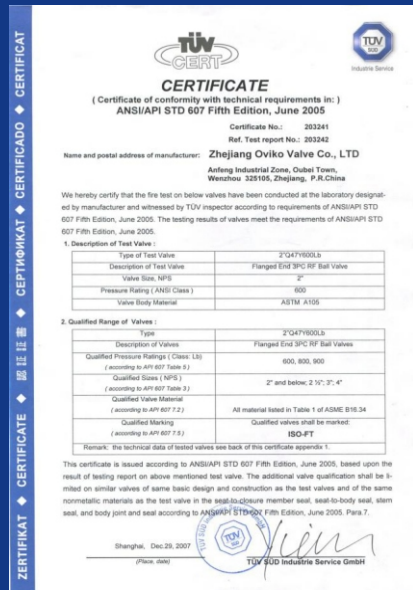




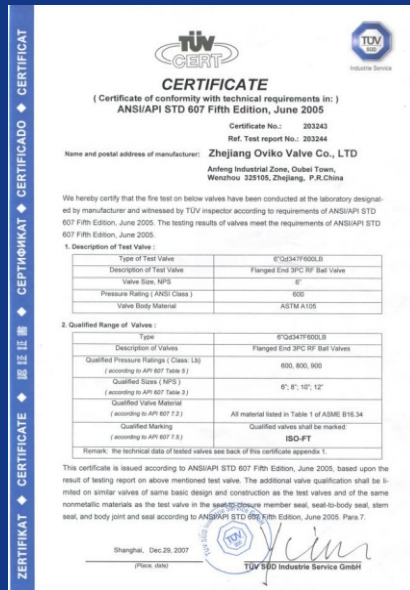
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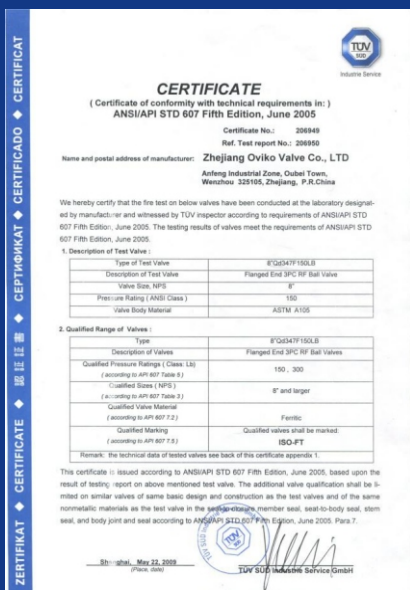
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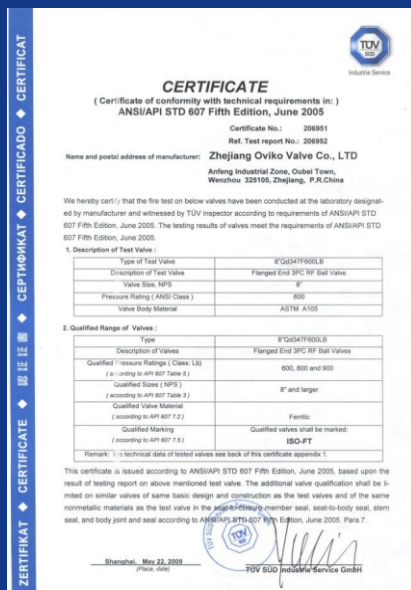
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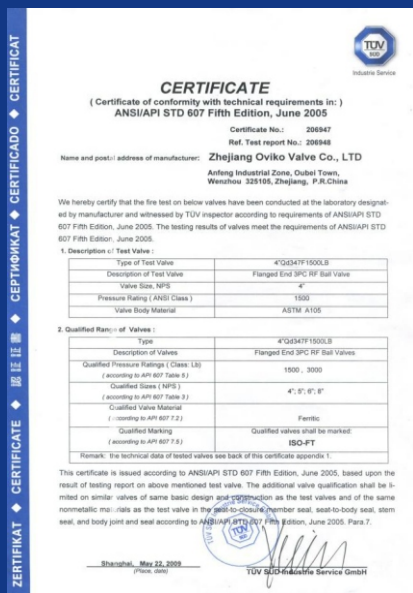
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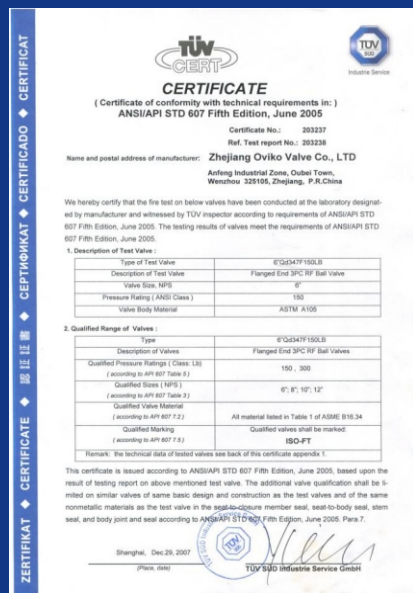
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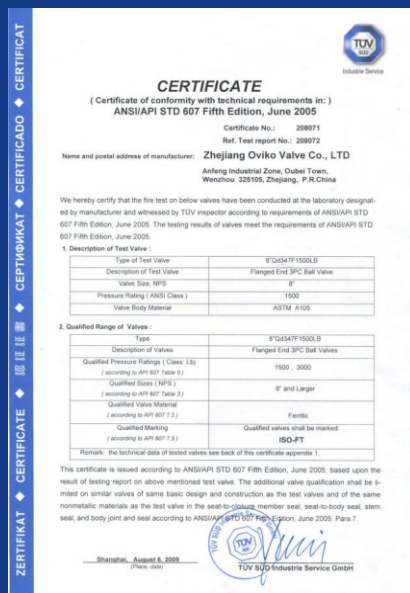
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API SPEC 6FA防火证书
(2Q47F-600LB)



API SPEC 6FA防火证书
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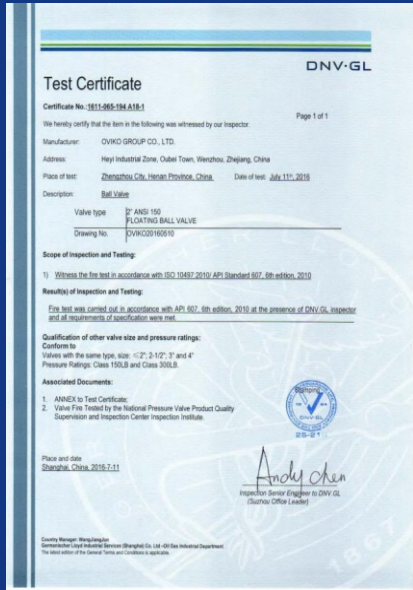




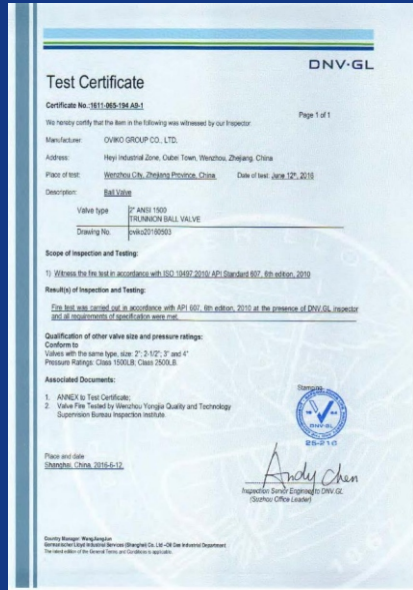
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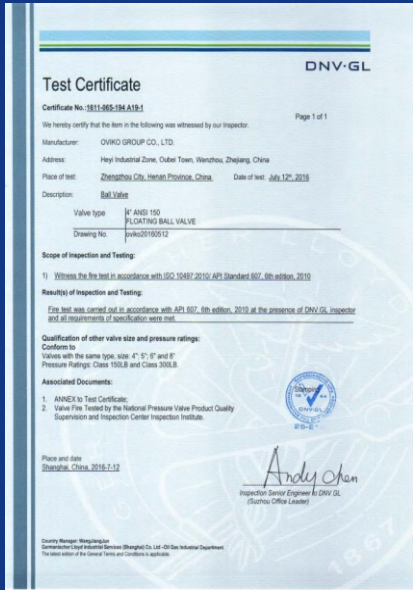
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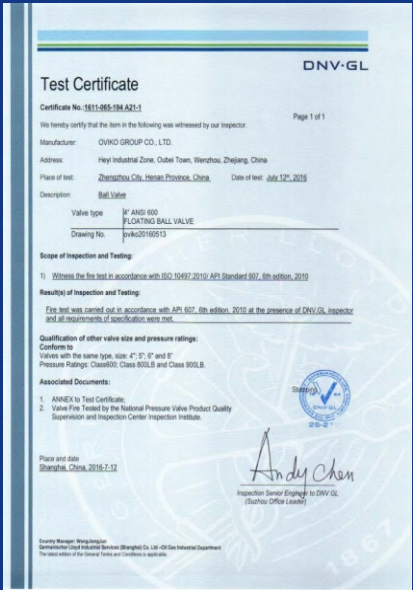
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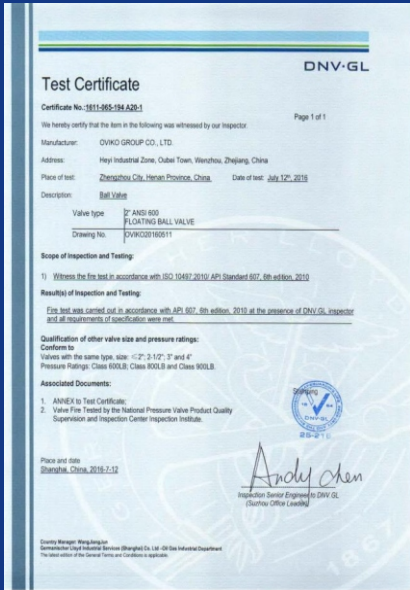
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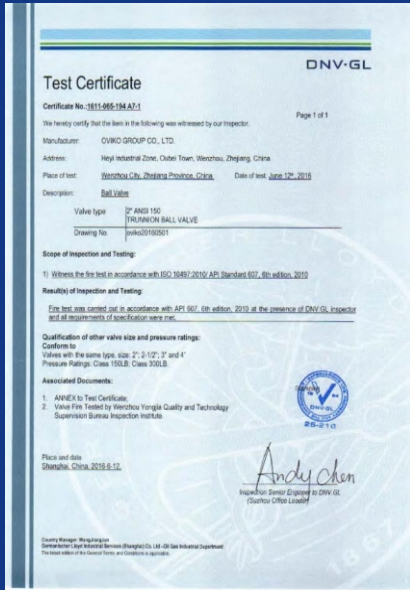
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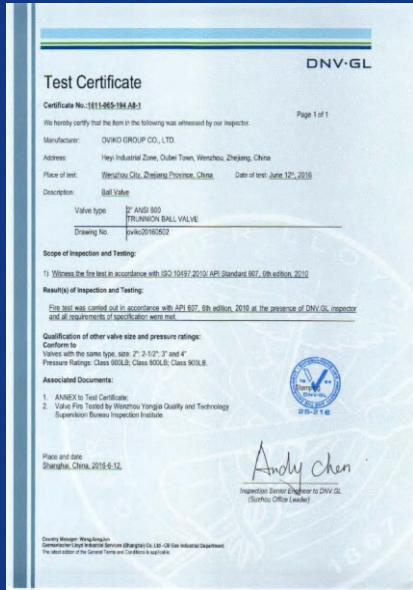
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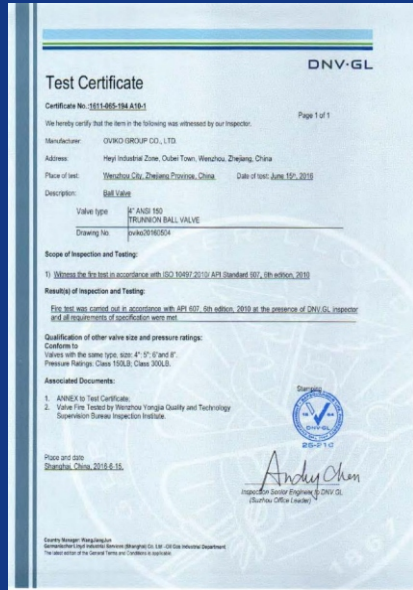
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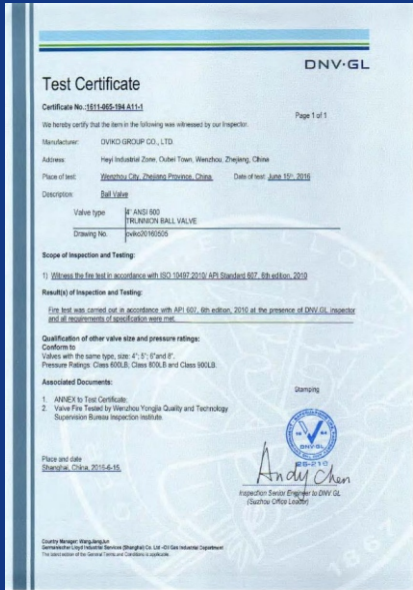
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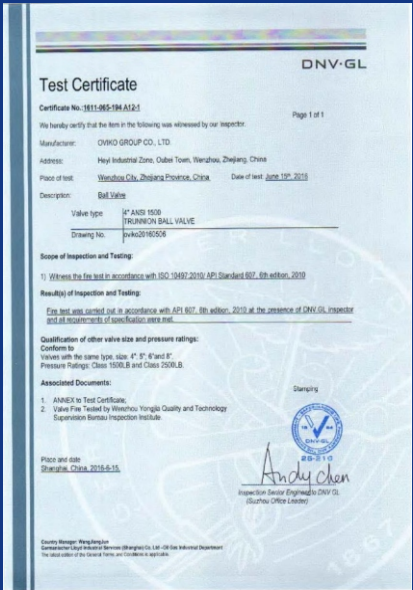
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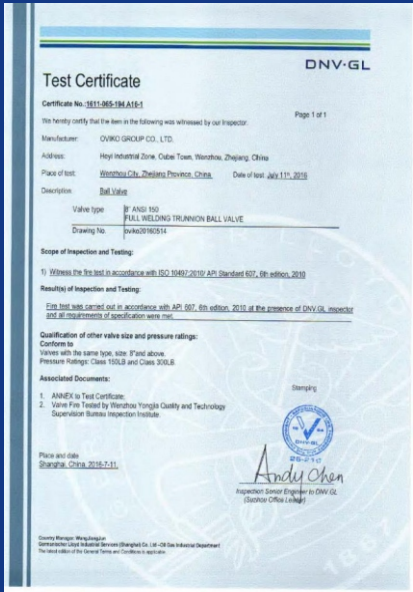


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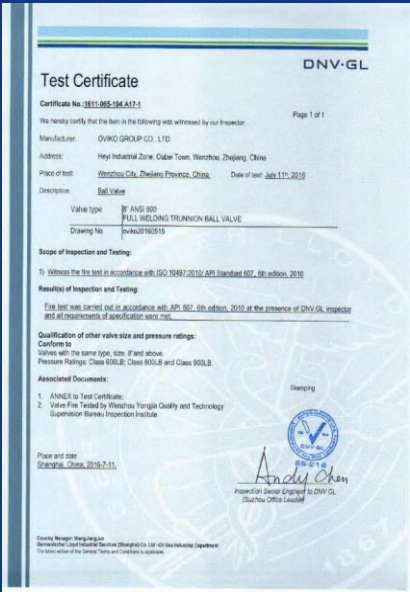


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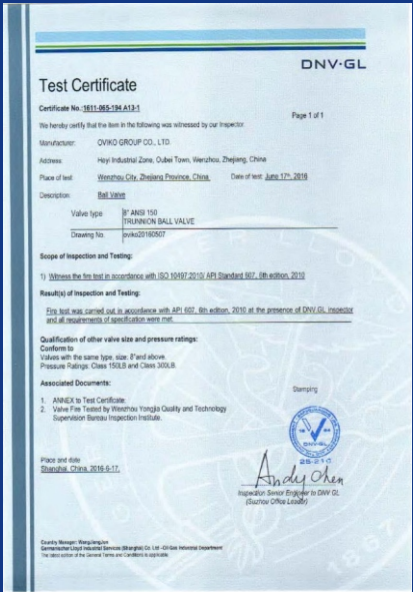




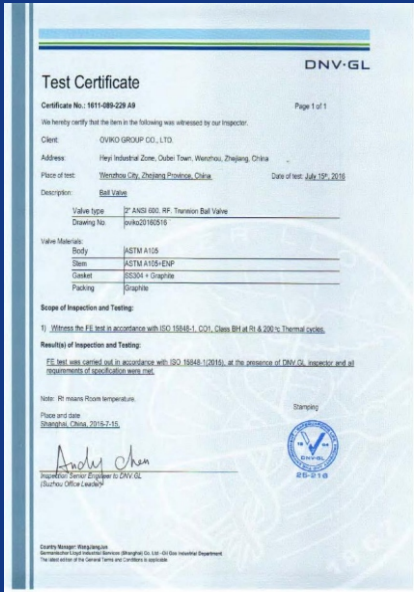
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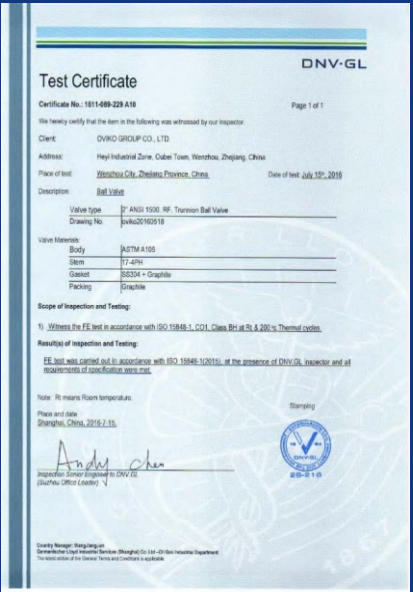
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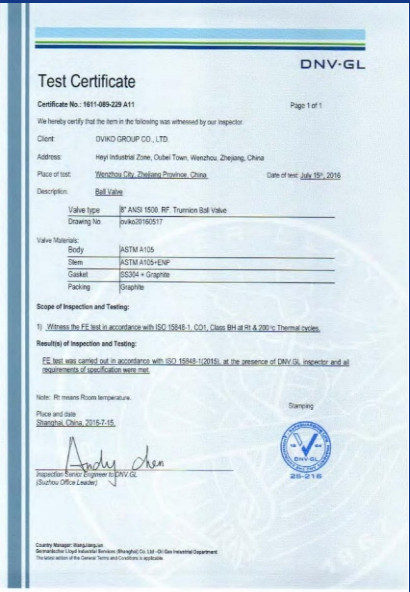
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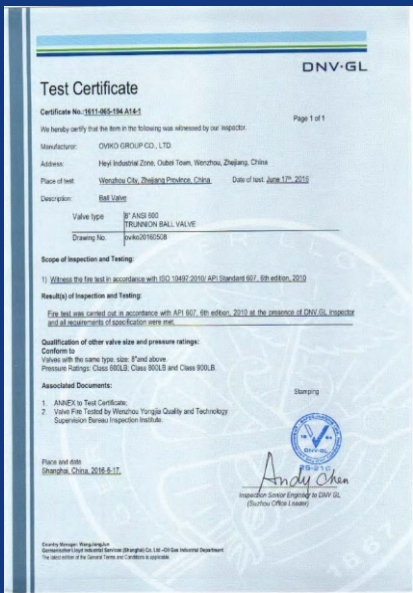
ISO15848-1-2015 低泄漏证书
(2Q47F-600LB)



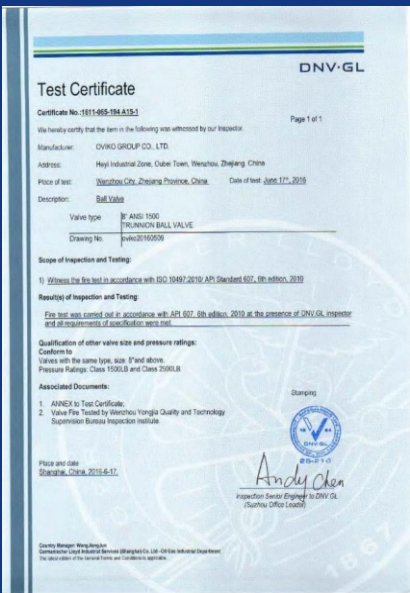
ISO15848-1-2015 低泄漏证书
(2Q347F-1500LB)



ISO15848-1-2015 低泄漏证书
(8Q347F-1500LB)



ISO10497-2010API 607-
2010(8Q347F-600LB)



ISO10497-2010API 607-
2010(8Q347F-1500LB)

ABOUT QUALITY



本公司严格根据国际质量体系ISO9001标准生产设计，致力于建立完整，高效的质量体系，使产品质量和相关质量工作在严格，高效的控制体系下进行，在产品
质量方面，我们坚决要求精益求精。

Our company develops,manufactures the products according to the demand for ISO9001 international quality standard system,it is perfect to set up one set ,and effective quality guarantee system, is it might influence product quality and all link of work quality under strict and effective control to make.Making excessive demands on the assurance that the material is the quality,we pursue quality.

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● These measurements are subject to change or cancellation NO responsibility is assumed for use of superseded or void pages.
Please consult the manufacturer for confirmation of detailed dimensions for confirmation of detailed

dimensions for building construction purposes.
Due to the printing products may differ from those pictures for true color matching purposes please refer to color samples.

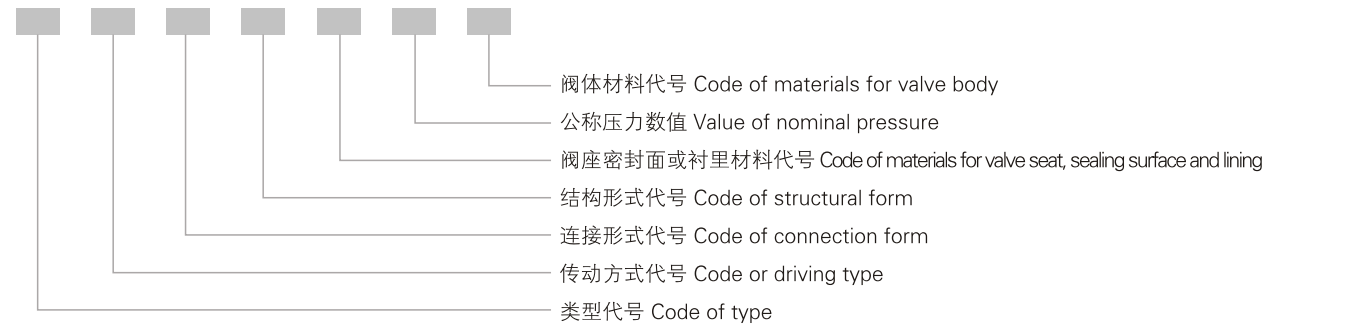
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阀门型号编制方法 Valve model classification method

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

阀门型号编制方法 Valve model classification method

●结构型式代号 Code of strucural form

闸 阀 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	
		弹性闸板 Elastic damper	刚性闸板 Rigid gate							
			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	8	9	0

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	中心垂直板 Central vertical plate	双偏心 Double eccentric	三偏心 Three eccentric	连杆机构 Connecting rod mechanism	单偏心 Single eccentric	中心垂直板 Central vertical plate	双偏心 Double eccentric	三偏心 Three eccentric	连杆机构 Connecting rod mechanism
	代号 Code	0	1	2	3	4	5	6	7	8	9

隔膜阀 Diaphragm valve	结构形式 structural style	屋脊流道 The roof 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	8

旋塞阀 Plug valve	结构形式 structural style	填料密封 Packing seal			油密封 Oil seal	
		直通流道 Through flow channel	T形三通流道 T three channels	四通流道 Four way flow passage	直通流道 Through flow channel	T形三通流道 T three channels
	代号 Code	3	4	5	7	8



阀门型号编制方法 Valve model classification method

止回阀 Check valve	结构形式 structural style	升降式阀瓣			旋启式阀瓣			蝶型止回式 Butterfly type check
		直通流道 Through flow channel	立式结构 Vertical structure	角式流通 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	6	7

●阀座密封面或衬里材料代号Code of materials for valve seat, sealing surface 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	渗硼钢Boronized steel	P
渗氮钢Nitriding steel	D	衬铅Lead lining	Q
氟塑料Fluorine plastics	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	J	橡胶Rubber	X
蒙乃尔合金Monel alloy	M	硬质合金Cemented carbide	Y

注：由阀体直接加工的阀座封面材料代号“W”表示；当阀座和阀瓣（闸板）密封面材料不同时，用低硬底材料代号表示（隔膜阀除外）。
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 clack (Flashboard) sealing surface are different, it shall be expressed in the code of materials with low hardness.(Except the diaphragm valve)

●公称压力数值Value of nominal pressure

按“GB/T1048,PN(公称压力)的定义和适用”的规定；用于电站工业的阀门，当介质最高温度超过538℃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/T1048" Nominal pressure, definition and selection " , For the valves used in power station industry, when the maximum temperature of the medium exceeds 538℃,according to the stipulation in JB/T308–3.7.2 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
铬钼系钢Cr Mo steell	I	钛及钛合金Titanium and titanium alloys	Ti
可锻铸铁Malleable iron	K	铬钼钒钢CrMoV	V
铝合金Aluminium alloy	L	灰铸铁Gray cast iron	Z
铬镍系不锈钢Cr Ni stainless steel	P	铬镍钼系不锈钢 Chromium nickel molybdenum stainless steel	R
球墨铸铁Nodular graphite cast iron	Q		

注：PN≤16kg/cm²的灰铸铁阀体和PN≥25kg/cm²的碳素钢阀体，省略本单元。
Note:For the gray iron valve body with PN≥16kg/cm² and cast iron valve body with PN≥25kg/cm² ,the unit is omitted.

闸阀系列Gate valve series



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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。它的闭合原理是闸板密封面与阀座密封面高度光洁、平整一致、相互贴合，可阻止介质流过，并依靠顶模、弹簧或闸板的模形，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、启闭省劲，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 Jin Province, 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 ~ 1600mm(NPS1/2 ~ 64"), 公称压力PN1.0 ~ 42.0MPa(Class150 ~ 2500),工作温度-320.8 ~ 1112°F (-196 ~ 600℃) 。

For nominal diameter DN15 ~ 1600mm(NPS1/2 ~ 64"), Nominal pressure PN1.0 ~ 42.0MPa(Class150 ~ 2500), Operating temperature - 320.8 ~ 1112°F (-196 ~ 600℃) 。

广泛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, transportation, refining, chemical, coal chemical industry, energy, water conservancy, metallurgy, mining, urban construction, building etc..

设计制造标准API6D、API597、API600、API602、API603、API6A、API606、ASME B16.34、MSS SP-42、MSS SP-81、BS 1414、BS 5157、BS 5352、ISO 10423、ISO 10434、ISO 14313、ISO 15761、JIS B 2073、JIS B 2083、JPI-7S-46、JPI-7S-36、GB/T 12224、GB/T 12234、JB/T 7746等。

Design and manufacture of standard API6D、API597、API600、API602、API603、API6A、API606、ASME B16.34、MSS SP-42、MSS SP-81、BS 1414、BS 5157、BS 5352、ISO 10423、ISO 10434、ISO 14313、ISO 15761、JIS B 2073、JIS B 2083、JPI-7S-46、JPI-7S-36、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)Z11H、(H、P、D)Z11Y、(H、P、D)Z61H、(H、P、D)Z61Y、(H、P、D)Z41H、(H、P、D)Z41Y、(P、D)Z40H、(P、D)Z40Y、(P、D)Z440H、(P、D)Z440Y、(P、D)Z540H、(P、D)Z540Y、(P、D)Z940H、(P、D)Z940Y、压力等级范围				
压力等级范围 Pressure range	PN1.0 ~ 42.0MPa(Class150 ~ 2500)				
通径范围Path range	DN15 ~ 1600mm(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 ~ 1600)	1/2 ~ 64" (DN15 ~ 1600)

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		常温试验压力(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	1.50	1.10	1.10	-196 ~ 600℃ -320.8 ~ 1112° F	水、油、蒸汽、 酸、碱、盐、 海水、黑水 腐蚀性和 低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance and low temperature medium
	1.6	2.40	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		
	32.0	48.00	35.20	35.20		
磅级(Lb) Pound (Class)	150	3.00	2.20	2.20		
	300	7.50	5.50	5.50		
	400	9.45	6.93	6.93		
	600	16.50	12.10	12.10		
	800	21.00	15.40	15.40		
	900	22.50	16.50	16.50		
	1500	39.00	28.60	28.60		
	2500	63.00	46.20	46.20		

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GB铸钢闸阀 GB cast steel gate valve

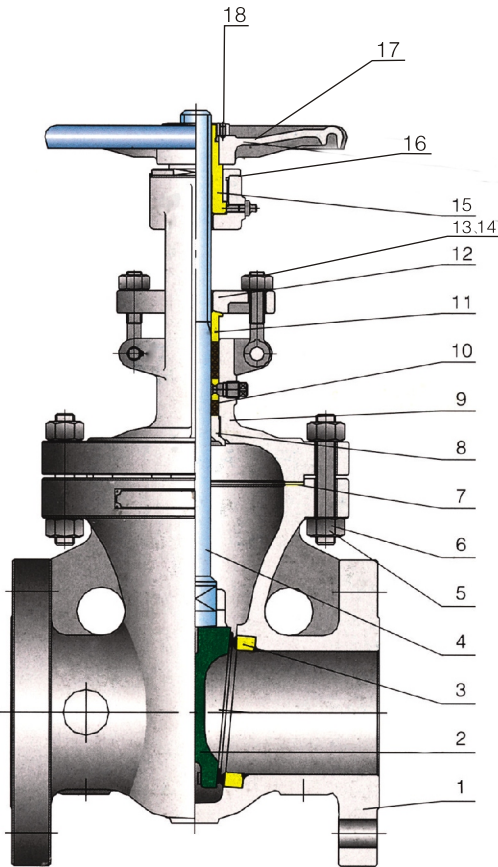
产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构 Boll-jointed bonnet outside stem yoke stroture
驱动方式 Driving manner	手动、齿轮动、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/T79、HG20592
试验和检验 Test&inspection	GB/T 13927、JB/T9092

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 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	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、F5、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	体盖螺柱 Body cover stud	B7、B8、B16、L7、B7M、B8M、
6	体盖螺母 Body cover nut	2H、7、8、4
7	体盖垫片 Body cover gasket	304或蒙乃尔合金+石墨 304、304L、316、316L、321+PTFE
8	上密封座 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	碳素纤维、夹不锈钢丝或蒙乃尔合金丝 石墨编织、PTFE
11	填料压套 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、8、4
14	活节螺栓Live bolt	B7、B8、B16、L7、B7M、B8M
15	阀杆螺母Stem nut	高镍铸铁、锰黄铜、1Cr13氮化
16	杆母压盖 Stem nut gland	A105、1Cr13、2Cr13、F22、F304
17	手轮Handwheel	可锻铸铁、球墨铸铁
18	锁紧螺母Lock nut	A105、1Cr13、2Cr13、F22、F304



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GB铸钢闸阀 GB cast steel gate valve

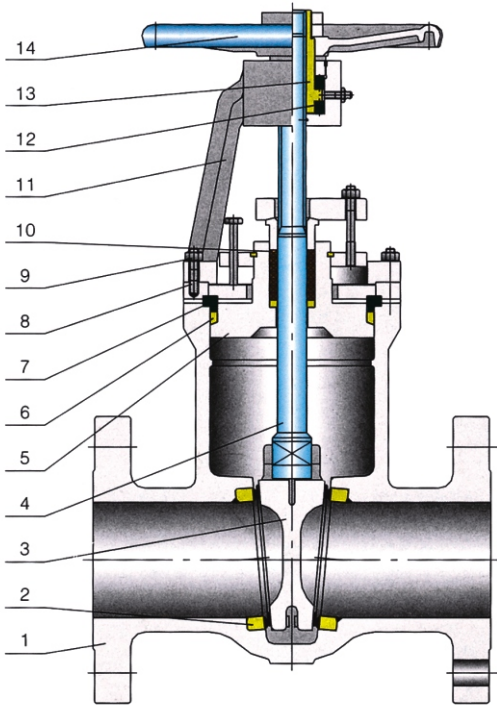
产品采用标准 Technical specification

结构形式 Structural formation	压力密封阀盖明杆支架结构 Pressure sealed bonnet outside stem yoke structure
驱动方式 Driving manner	手动、齿轮动、电动 Hand-operated, Gear-operated and Electric-driving
设计标准 Design standard	GB/T 12224 GB/T 12234 TB/T3595
结构长度 Face to face	GB/T 12221
连接法兰 Flanged ends	GB/T9113、JB/T79、HG20592
焊接 Welding	GB/T 12224 TB/T3595
试验和检验 Test&inspection	GB/T 13927、JB/T9092、JB/T3595

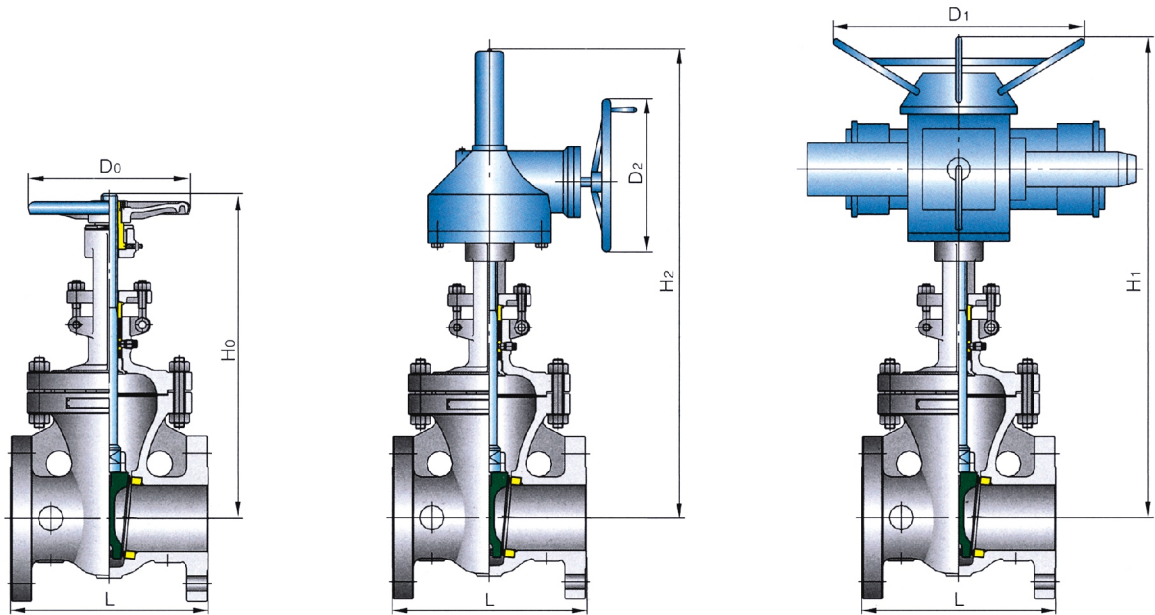
注：阀门连接法兰及焊端尺寸可根据用户要求设计制造。
Note:The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

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	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	1Cr3、2Cr13、Cr18Ni9Ti、304、 0Cr17Ni12Mo2Ti、20Cr1MoV、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 Tetracyclic ring	1Cr3、2Cr13、38CrMoAl、42Cr1MoVA、25Cr2MoVA
8	双头螺栓Stud	35CrMoA、0Cr18Ni9、 0Cr17Ni12Mo2、25Cr2MoVA
9	六角螺母 Hexagon nuts	45、30CrMo、35CrMoA、25Cr2Mo1VA 0Cr18Ni9、0Cr17Ni12Mo2
10	填料Packing	柔性石墨、PTFE Graphite,PTFE
11	支架 Yoke	WCB、CF8 CF8、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	手轮 Handwheel	KTH350-10、QT400-15



GB铸钢闸阀 GB cast steel gate valve

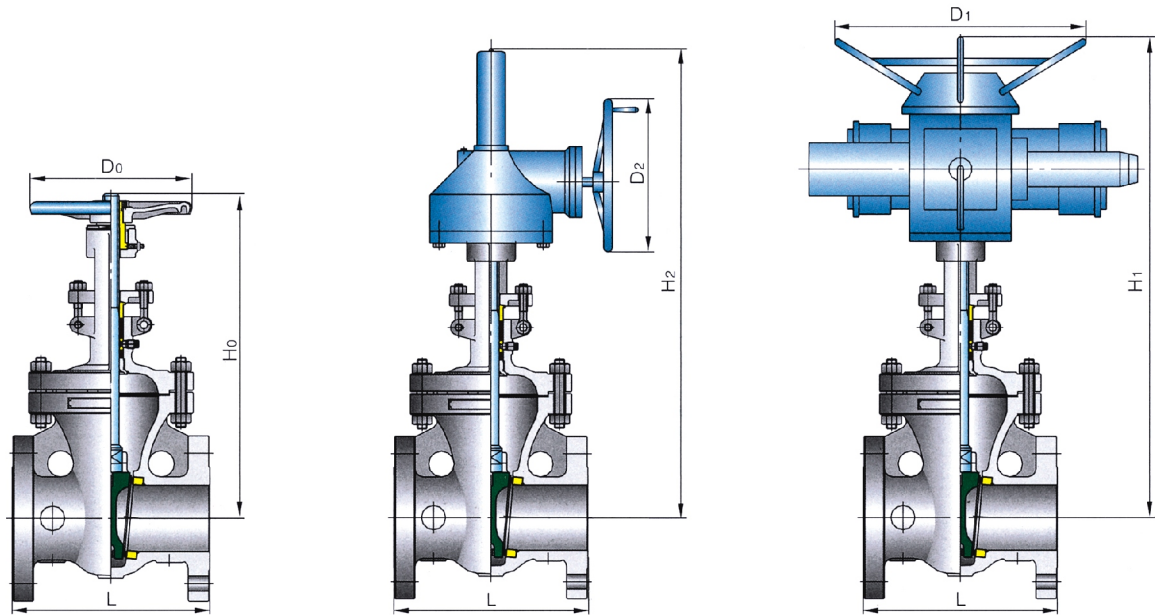


主要外形尺寸及重量Main size of outside&weight
型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

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)	H2	D2	齿轮装置 Gear device	重量 Weight (kg)
1.6	15	130	170	120	5	-	-	-	-	-	-	-	-
	20	150	190	140	6.5	-	-	-	-	-	-	-	-
	25	160	205	160	9	-	-	-	-	-	-	-	-
	32	180	270	180	12	-	-	-	-	-	-	-	-
	40	200	310	200	26.5	630	590	DZW10A	87.5	-	-	-	-
	50	250	358	240	29	678	590	DZW10A	90	-	-	-	-
	65	265	373	240	33	693	590	DZW15A	96	-	-	-	-
	80	280	435	280	45	755	590	DZW20A	108	-	-	-	-
	100	300	500	300	62	820	590	DZW20A	126	-	-	-	-
	125	325	614	320	106	934	590	DZW30A	173	-	-	-	-
	150	350	674	360	135	994	590	DZW30A	199	-	-	-	-
	200	400	818	400	193	1138	590	DZW30A	254	-	-	-	-
	250	450	969	450	273	1409	810	DZW45A	310	-	-	-	-
	300	500	1145	560	380	1588	810	DZW60A	391	1310	310	BA-0	504
	350	550	1280	640	590	1755	830	DZW90	729	1468	310	BA-0	674
	400	600	1452	640	850	1902	830	DZW120	992	1780	460	BA-1	950
	450	650	1541	720	910	2141	870	DZW180	1168	1880	460	BA-1	1300
	500	700	1676	720	930	2276	870	DZW250	1222	2110	460	BA-2	1530
	600	800	1874	800	1115	2474	870	DZW250	1376	2410	460	BA-2	2140
	700	900	-	-	-	3046	1170	DZW350	-	2600	460	BA-2	3270
	800	1000	-	-	-	3250	1170	DZW500	-	2860	610	BAA-3	3920
	900	1100	-	-	-	3509	1060	DZW800	-	3170	610	BAA-3	4435
	1000	1200	-	-	-	3873	1060	DZW1000	-	-	-	-	-



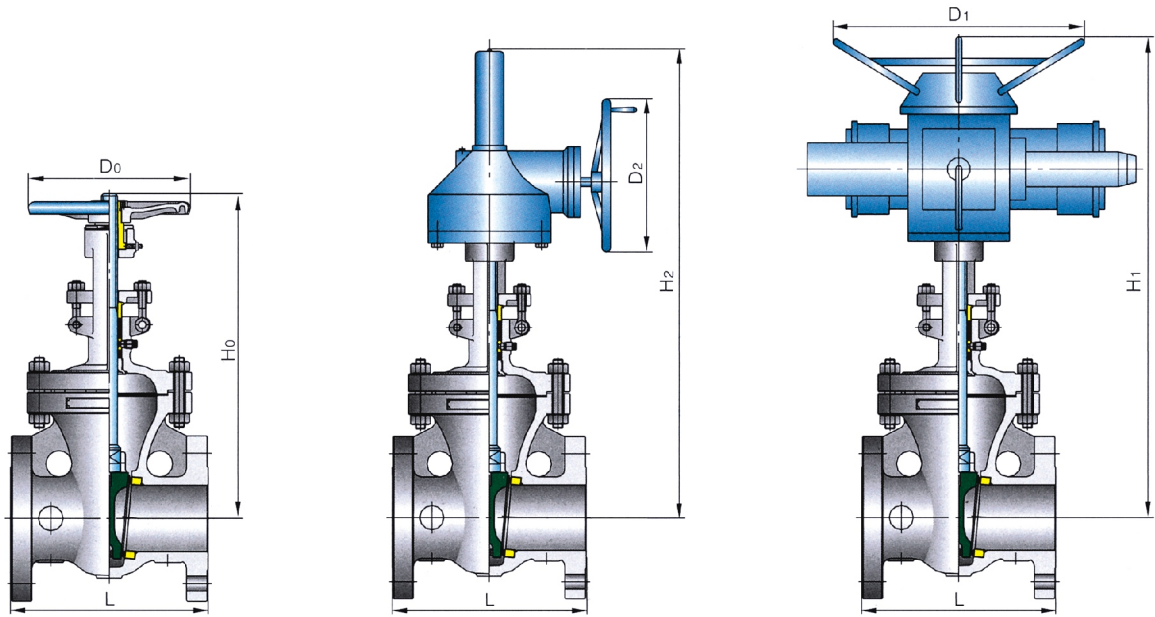
GB铸钢闸阀 GB cast steel gate valve



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)	H2	D2	齿轮装置 Gear device	重量 Weight (kg)
2.5	15	130	170	120	5.5	-	-	-	-	-	-	-	-
	20	150	190	140	7	-	-	-	-	-	-	-	-
	25	160	205	160	11	-	-	-	-	-	-	-	-
	32	180	270	180	14	-	-	-	-	-	-	-	-
	40	200	310	200	30	630	590	DZW10A	91	-	-	-	-
	50	250	358	240	34	678	590	DZW10A	95	-	-	-	-
	65	265	373	240	36	693	590	DZW15A	99	-	-	-	-
	80	280	435	280	50	755	590	DZW20A	113	-	-	-	-
	100	300	500	300	69	820	590	DZW20A	132	-	-	-	-
	125	325	614	320	116	934	590	DZW30A	181	-	-	-	-
	150	350	674	360	141	994	590	DZW30A	206	-	-	-	-
	200	400	818	400	192	1138	590	DZW30A	257	-	-	-	-
	250	450	969	450	207	1409	810	DZW45A	317	-	-	-	-
	300	500	1145	560	400	1588	810	DZW60A	412	1310	310	BA-0	504
	350	550	1280	640	631	1755	830	DZW90	750	1468	310	BA-0	674
	400	600	1452	640	900	1902	830	DZW120	1042	1780	460	BA-1	950
	450	650	1541	720	1013	2141	870	DZW180	1274	1880	460	BA-1	1300
	500	700	1676	720	1166	2276	870	DZW250	1420	2110	460	BA-2	1530
	600	800	1874	800	1258	2474	870	DZW250	1522	2410	460	BA-2	2140
	700	900	-	-	-	3046	1170	DZW350	-	2600	460	BA-2	3275
	800	1000	-	-	-	3250	1170	DZW500	-	2860	610	BAA-3	3924
	900	1100	-	-	-	3509	1060	DZW800	-	3170	610	BAA-3	4435
	1000	1200	-	-	-	3873	1060	DZW1000	-	-	-	-	-

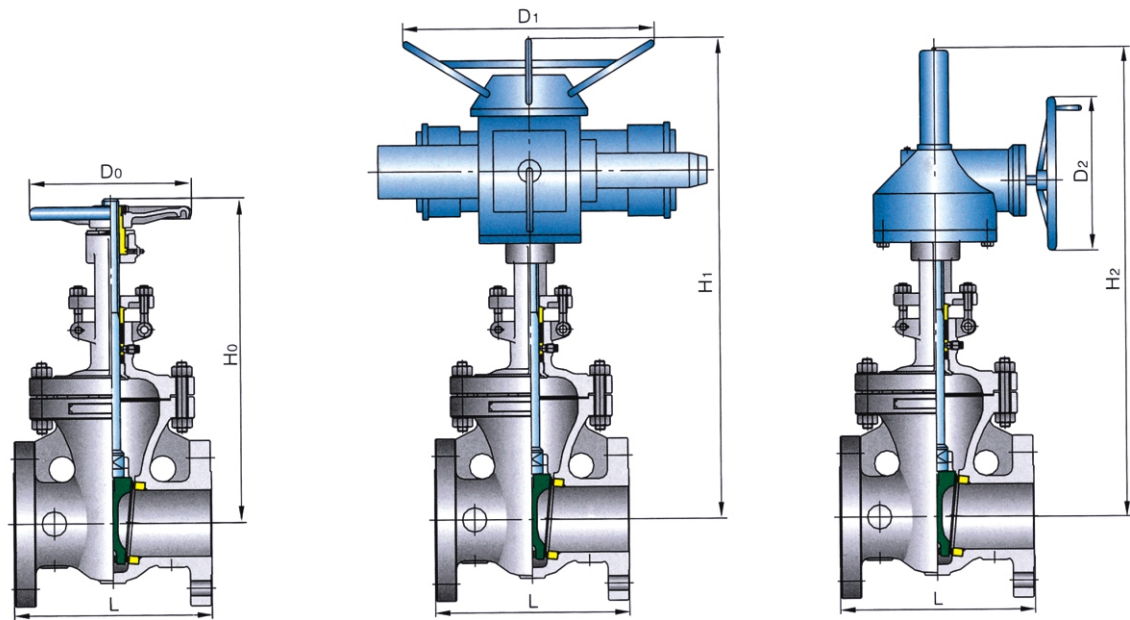
GB铸钢闸阀 GB cast steel gate valve



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				齿轮动Gear operated			
PN (MPa)	DN (mm)	L	H ₀	D ₀	重量 Weight (kg)	H ₁	D ₁	电动装置 Electric driving	重量 Weight (kg)	H ₂	D ₂	齿轮装置 Gear device	重量 Weight (kg)
4.0	15	130	135	120	6	—	—	—	—	—	—	—	—
	20	150	190	140	8	—	—	—	—	—	—	—	—
	25	160	205	160	12	—	—	—	—	—	—	—	—
	32	180	270	180	15	—	—	—	—	—	—	—	—
	40	200	310	200	31	630	590	DZW10A	92	—	—	—	—
	50	250	371	280	34	670	590	DZW10A	95	—	—	—	—
	65	280	391	280	39	712	590	DZW15A	102	—	—	—	—
	80	310	455	320	52	775	590	DZW20A	115	—	—	—	—
	100	350	551	360	80	875	590	DZW20A	163	—	—	—	—
	125	400	628	400	127	948	590	DZW20A	190	—	—	—	—
	150	450	708	400	154	1030	590	DZW30A	219	—	—	—	—
	200	550	885	460	263	1325	590	DZW45A	373	—	—	—	—
	250	650	906	560	368	1400	810	DZW60A	480	—	—	—	—
	300	750	1203	640	547	1655	830	DZW90	686	1500	460	BA-1	630
	350	850	1341	640	679	1795	830	DZW120	821	1960	460	BA-1	985
	400	950	1492	720	953	2093	870	DZW180	1214	2170	460	BA-1	1430
6.4	500	1150	—	—	—	2645	870	DZW250	2150	2450	610	BA-2	2040
	600	1350	—	—	—	2865	1170	DZW350	—	2940	610	BA-2	3050
	700	1450	—	—	—	3450	1170	DZW500	—	—	—	—	—
	800	1650	—	—	—	3920	1060	DZW800	—	—	—	—	—

GB铸钢闸阀 GB cast steel gate valve

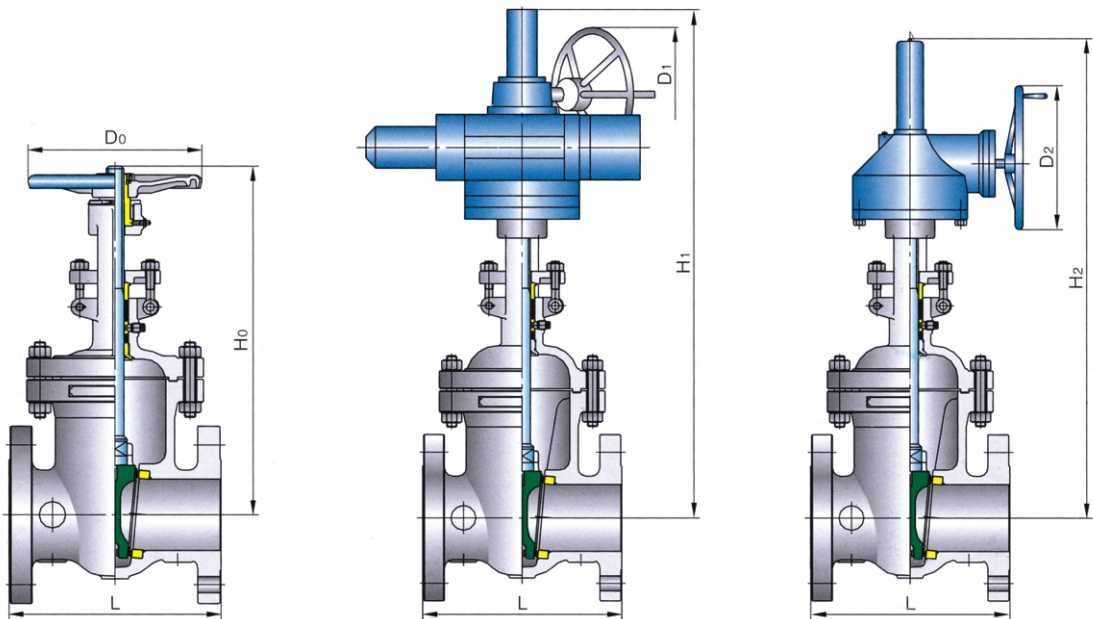


主要外形尺寸及重量Main size of outside&weight
型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

传动方式Driving			手动Hand operated			电动Electric driving				齿轮动Gear operated			
PN (MPa)	DN (mm)	L	H ₀	D ₀	重量 Weight (kg)	H ₁	D ₁	电动装置 Electric driving	重量 Weight (kg)	H ₂	D ₂	齿轮装置 Gear device	重量 Weight (kg)
6.4	15	170	140	100	7	—	—	—	—	—	—	—	—
	20	190	140	100	9	—	—	—	—	—	—	—	—
	25	210	215	180	12	—	—	—	—	—	—	—	—
	32	230	270	180	16	—	—	—	—	—	—	—	—
	40	240	345	200	32	665	590	DZW10A	93	—	—	—	—
	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	123	—	—	—	—
	100	350	700	300	89	1020	590	DZW30A	154	—	—	—	—
	125	400	780	350	140	1100	590	DZW30A	205	—	—	—	—
	150	450	850	350	207	1290	590	DZW45A	317	—	—	—	—
	200	550	1035	400	325	1475	810	DZW60A	437	1420	310	BA-0	430
	250	650	1050	560	467	1500	830	DZW90	606	1580	460	BA-1	530
	300	750	1470	640	590	1820	830	DZW120	732	1770	460	BA-1	590
	350	850	—	—	—	2216	870	DZW180	1110	2060	460	BA-1	840
	400	950	—	—	—	2838	870	DZW250	1540	2270	460	BA-1	1410
6.4	500	1150	—	—	—	3320	1170	DZW350	—	—	—	—	—
	600	1350	—	—	—	3684	1170	DZW500	—	—	—	—	—

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GB铸钢闸阀 GB cast steel gate valve



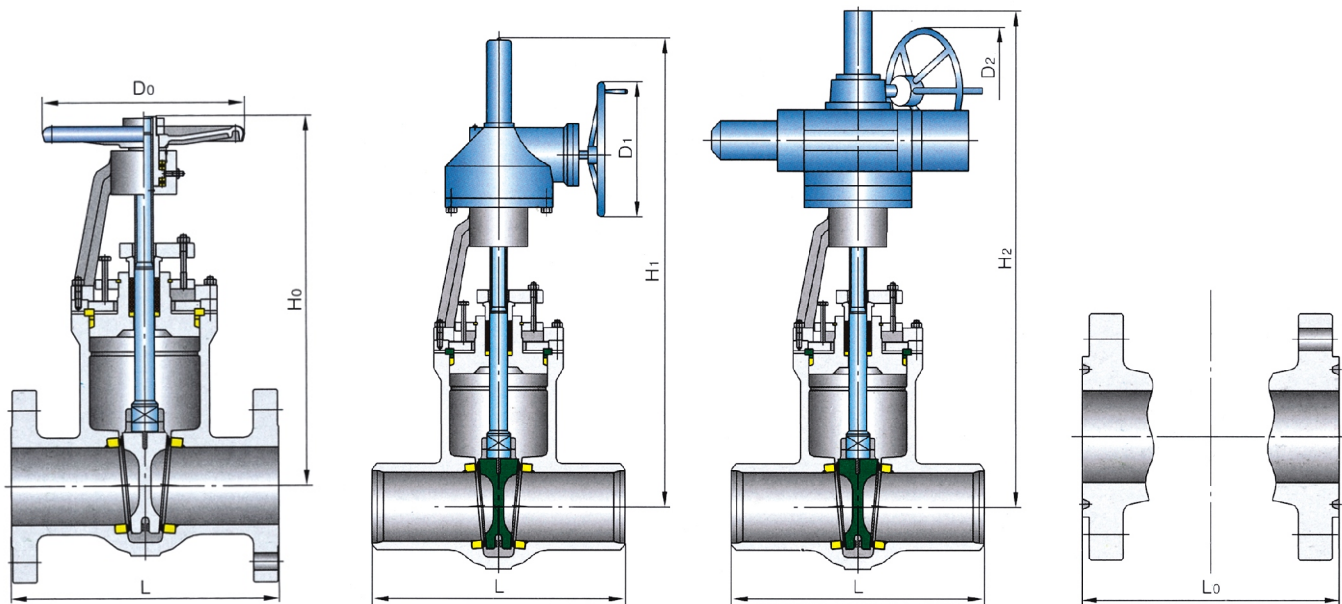
主要外形尺寸及重量Main size of outside&weight
型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

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)	H2	D2	齿轮装置 Gear device	重量 Weight (kg)
10.0	40	240	360	320	50	680	590	DZW15A	113	—	—	—	—
	50	250	490	360	60	810	590	DZW20A	123	—	—	—	—
	65	280	540	400	70	860	590	DZW20A	133	—	—	—	—
	80	310	572	400	100	896	590	DZW30A	165	—	—	—	—
	100	350	573	400	110	1013	590	DZW45A	220	—	—	—	—
	125	400	744	560	180	1184	810	DZW60A	292	—	—	—	—
	150	450	800	560	250	1250	830	DZW90	389	—	—	—	—
	200	550	800	560	360	1250	830	DZW120	502	1490	310	BA-0	730
	250	650	1050	600	420	1650	870	DZW180	790	1720	460	BA-1	900
	300	750	1200	640	530	1800	870	DZW250	910	1890	460	BA-1	1200
	350	850	—	—	—	2030	1170	DZW350	1610	2180	610	BA-2	1700
	400	950	—	—	—	2250	1170	DZW500	2512	2390	610	BA-2	2500
	500	1150	—	—	—	2550	1060	DZW800	3200	—	—	—	—



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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: (Ps)Z40H、(Ps)Z40Y、(Ps)Z540H、(Ps)Z540Y、(Ps)Z940H、(Ps)Z940Y

传动方式Driving			手动Hand operated			电动Electric driving				齿轮动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)	H2	D2	齿轮装置 Gear device	重量 Weight (kg)
16.0	40	260	395	320	26	670	590	DZW15A	118	—	—	—	—
	50	300	612	360	73	832	590	DZW20A	136	—	—	—	—
	65	340	677	360	110	880	590	DZW30A	175	—	—	—	—
	80	390	686	400	141	905	590	DZW30A	206	—	—	—	—
	100	450	751	450	185	1071	590	DZW45A	295	—	—	—	—
	125	525	868	560	320	1163	810	DZW60A	432	—	—	—	—
	150	600	997	640	462	1170	830	DZW90	601	1250	460	BA-1	492
	200	750	1224	720	711	1440	830	DZW120	853	1520	460	BA-1	780
	250	850	—	—	—	1760	870	DZW180	1300	1540	610	BA-2	1140
	300	950	—	—	—	2230	870	DZW250	1750	1620	610	BA-3	1720
25.0	50	350	350	360	69	813	590	DZW30A	129	—	—	—	—
	65	410	410	400	90	855	590	DZW30A	154	—	—	—	—
	80	470	470	400	133	1016	590	DZW45A	233	—	—	—	—
	100	550	550	560	246	1099	810	DZW60A	348	—	—	—	—
	125	650	650	560	480	1160	830	DZW90	610	—	—	—	—
	150	750	750	640	700	1240	830	DZW120	840	—	—	—	—
	200	832	832	720	1075	1520	870	DZW180	1225	—	—	—	—
	250	991	991	800	1980	1680	870	DZW250	2130	—	—	—	—

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API铸钢闸阀API cast steel gate valve

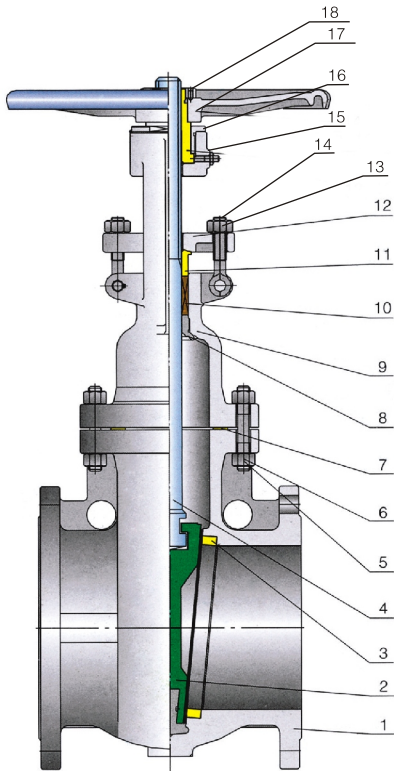
产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构 Boll-jointed bonnet outside stem yoke strcture
驱动方式 Driving manner	Hand-operated, Gear-operated and Electric-driving 手动、齿轮动、电动
设计标准Design standard	API600、BS1414
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	API598、BS12569

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 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 A216-WCB、ASTM A217-WC1、WC6、WC9、C5、ASTM A352-LCB、LC3、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M、CF10M、ASTM A995-4A、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 A995-4A、ASTM A890-5A
3	阀座Seat	ASTM A105、ASTM A350-LF2 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	体盖螺柱 Body cover stud	ASTM A193-B7、B16、B7M、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或蒙乃尔合金+石墨 304、304L、316、316L、321+PTFE
8	上密封座 Back 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 A995-4A、ASTM A890-5A
10	填料Packing	碳素纤维、夹不锈钢丝或蒙乃尔合金丝、石墨编织、PTEF
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-C5 ASTM A352-LCB、ASTM A351-CF8、CF8M、CF8C、ASTM A995-4A
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	高镍铸铁、锰黄铜、F6a氮化
16	杆母压盖Stem nut gland	ASTM A105、ASTM A182-1Cr13、2Cr13、F304
17	手轮Handwheel	可锻铸铁、球墨铸铁
18	锁紧螺母Lock nut	ASTM A105、ASTM A182-1Cr13、2Cr13、F304



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

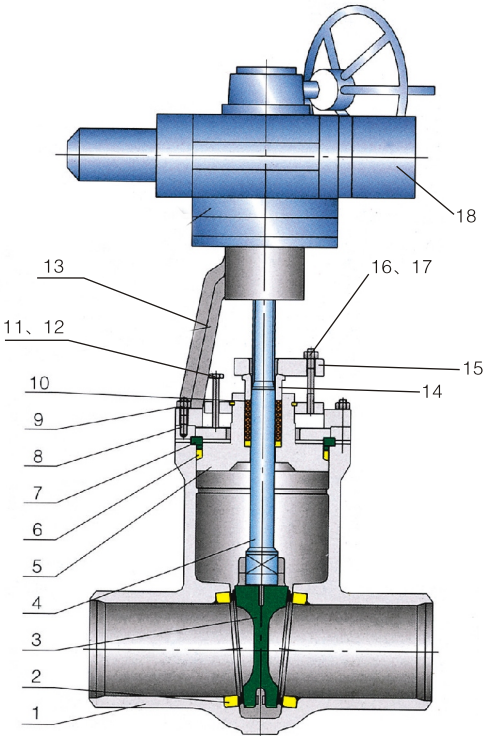
产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构 Boll-jointed bonnet outside stem yoke strcture
驱动方式 Driving manner	手动、齿轮动、电动 Hand-operated, Gear-operated and Electric-driving
设计标准Design standard	API600、E101
结构长度Face to face	ASME B16.10
连接法兰Flanged ends	ASME B16.5
焊接Welding	ASME B16.25
试验和检验Test&inspection	API598、E101

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 sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

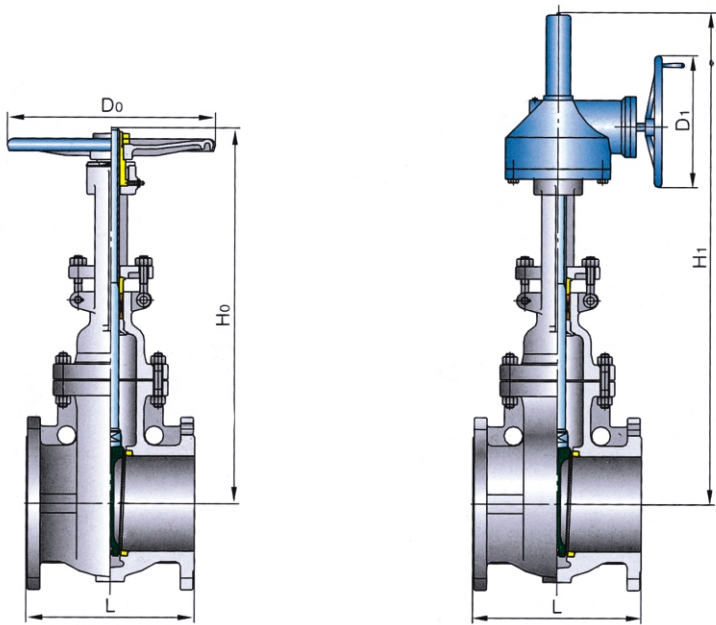
主要零件材料 Major parts material form

序号 No	零件名称 Part name	材质 Material
1	阀体Body	ASTM A216-WCB、ASTM A217-WC1、WC6、WC9、C5、ASTM A352-LCB、LC3、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M、CF10M、ASTM A995-4A、ASTM A890-5A
2	阀座Seat	ASTM A105、ASTM A350-LF2、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 A995-4A、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 A995-4A、ASTM A890-5A
6	密封圈Seal ring	石墨、ASTM A182-F316、F347、F304L、F316H、F51、F53
7	四开环Four open loop	ASTM A182-F6a、F304、F316、F347、F316H、F53
8	支架螺柱Support stud	ASTM A193-B7、B16、B7M、B8、ASTM A320-L7、B8M
9	支架螺母Support nut	ASTM A194-2H、7、8、4
10	填料Packing	碳素纤维、PTEF夹不锈钢丝或蒙乃尔合金丝石墨编织
11	体盖螺柱Body cover stud	ASTM A193-B7、B16、B7M、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 A995-4A、ASTM A890-5A
14	填料压套 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-C5、ASTM A352-LCB、ASTM A351-CF8、CF8M、CF8C、ASTM A995-4A
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 bolts	ASTM A193-B7、B16、B7M、B8、ASTM A320-L7、B8M
18	驱动装置Driving device	手轮、齿轮、电动



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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

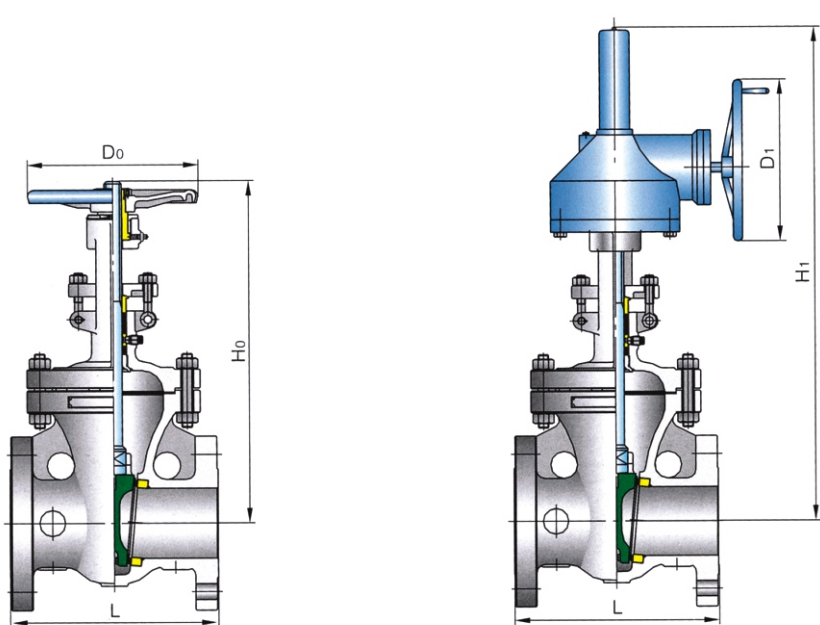
型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

传动方式Driving			手动Hand operated			齿轮动Gear operated			
Class	NPS (in)	L	H ₀	D ₀	重量 Weight (kg)	H ₁	D ₁	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	229	500	250	61	—	—	—	—
	5	254	580	300	89	—	—	—	—
	6	267	660	300	121	—	—	—	—
	8	292	775	350	134	—	—	—	—
	10	330	925	450	280	—	—	—	—
	12	356	1100	500	321	—	—	—	—
	14	381	1295	600	450	1651	310	BA-0	455
	16	406	1435	600	605	1879	460	BA-1	645
	18	432	1626	650	810	2184	460	BA-1	850
	20	457	1829	650	880	2431	610	BA-2	950
	24	508	2175	700	1490	2873	610	BA-2	1460
	26	559	2235	750	1750	3086	610	BA-2	1830
	28	610	2310	750	2010	3327	610	BA-2	2080
	30	610	2695	800	2268	3606	610	BAA-3	2565
	32	660	—	—	—	3708	610	BAA-3	3100
	36	711	—	—	—	3924	610	BAA-3	3950
	40	812	—	—	—	4318	610	BAA-3	4650
	42	812	—	—	—	4546	610	BAA-3	5100
	48	1066	—	—	—	5181	610	BAA-3	6500



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



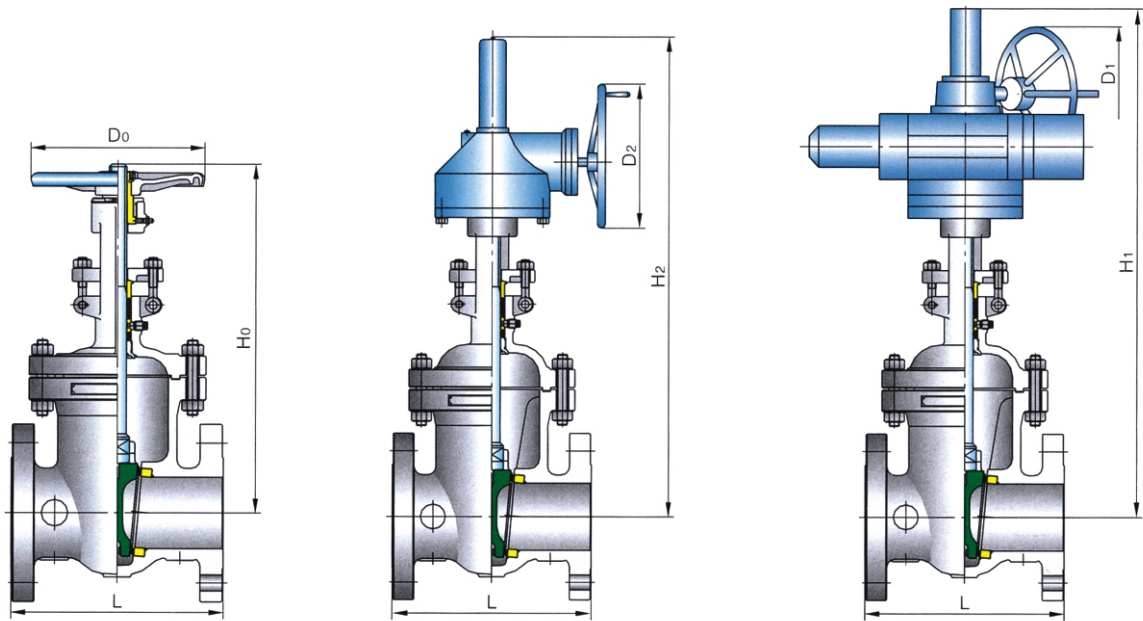
主要外形尺寸及重量Main size of outside&weight

型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

传动方式Driving			手动Hand operated			齿轮动Gear operated			
Class	NPS (in)	L	H ₀	D ₀	重量 Weight (kg)	H ₁	D ₁	齿轮装置 Gear device	重量 Weight (kg)
300	2	216	380	200	24	—	—	—	—
	2 1/2	241	410	250	34	—	—	—	—
	3	283	450	250	49	—	—	—	—
	4	305	530	300	70	—	—	—	—
	5	381	700	300	115	—	—	—	—
	6	403	730	350	133	—	—	—	—
	8	419	820	450	231	—	—	—	—
	10	457	1010	500	329	—	—	—	—
	12	502	1130	560	530	—	—	—	—
	14	762	1489	600	730	1790	460	BA-1	850
	16	838	1580	650	930	1968	460	BA-1	1105
	18	914	2017	700	1250	2273	610	BA-2	1300
	20	991	2228	700	1520	2482	610	BA-2	1625
	24	1143	2650	750	2340	3054	610	BA-2	2800
	26	1245	—	—	—	3219	610	BA-2	3100
	28	1346	—	—	—	3378	610	BAA-3	3600
	30	1397	—	—	—	3530	610	BAA-3	4200
	32	1524	—	—	—	3695	610	BAA-3	4850
	36	1727	—	—	—	3987	610	BAA-3	5900
	40	1955	—	—	—	4445	610	BAA-3	8100
	42	2032	—	—	—	4699	610	BAA-3	9750
	48	2966	—	—	—	5435	610	BAA-3	13050

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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

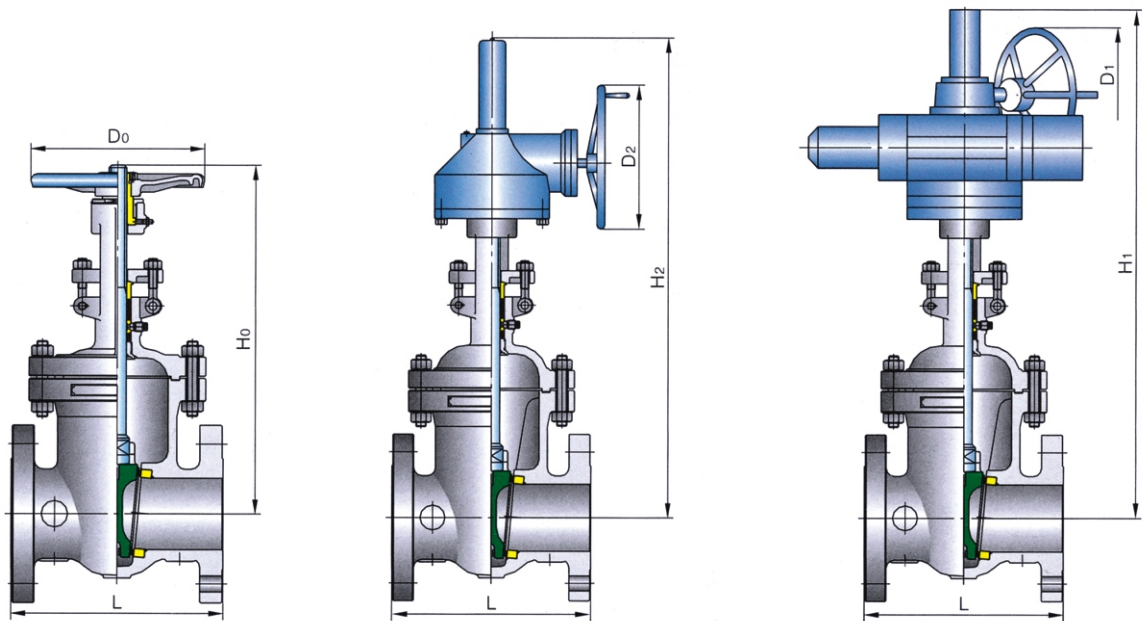
型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L	H ₀	D ₀	重量 Weight (kg)	H ₁	D ₁	齿轮装置 Gear device	重量 Weight (kg)	H ₂	D ₂	电动装置 Electric driving	重量 Weight (kg)
600	2	292	425	250	42	—	—	—	—	550	590	DZW20A	112
	2 1/2	330	485	300	62	—	—	—	—	600	590	DZW20A	135
	3	356	510	300	85	—	—	—	—	660	590	DZW30A	194
	4	432	610	400	120	—	—	—	—	780	590	DZW45A	223
	5	508	700	450	176	—	—	—	—	850	810	DZW60A	296
	6	559	820	500	230	840	310	BA-0	255	990	830	DZW90	385
	8	660	920	600	390	930	310	BA-0	418	1130	830	DZW120	541
	10	787	1080	600	620	1105	460	BA-1	674	1360	870	DZW180	816
	12	838	1220	650	880	1220	460	BA-1	935	1520	870	DZW250	1090
	14	889	1473	700	1350	1380	610	BA-2	1440	1730	1170	DZW350	1560
	16	991	1651	800	1700	1435	610	BA-2	1790	1840	1170	DZW500	1950
	18	1092	1727	800	2140	1915	610	BA-2	2230	2370	1060	DZW800	2390
	20	1194	2019	800	2450	2095	610	BAA-3	2540	2600	1060	DZW800	2580
	24	1397	—	—	—	2155	610	BAA-3	4550	3160	1060	DZW1000	4580
	26	1448	—	—	—	2271	610	BAA-3	5260	—	—	—	—
	28	1549	—	—	—	2436	610	BAA-3	5960	—	—	—	—
	30	1651	—	—	—	2577	610	BAA-3	6700	—	—	—	—
	32	1778	—	—	—	2781	610	BAA-3	8312	—	—	—	—
	36	2083	—	—	—	3113	610	BAA-3	10125	—	—	—	—
	40	2149	—	—	—	3241	610	BAA-3	14300	—	—	—	—
	42	2260	—	—	—	3572	610	BAA-3	16460	—	—	—	—
	48	2667	—	—	—	4261	610	BAA-3	22900	—	—	—	—



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

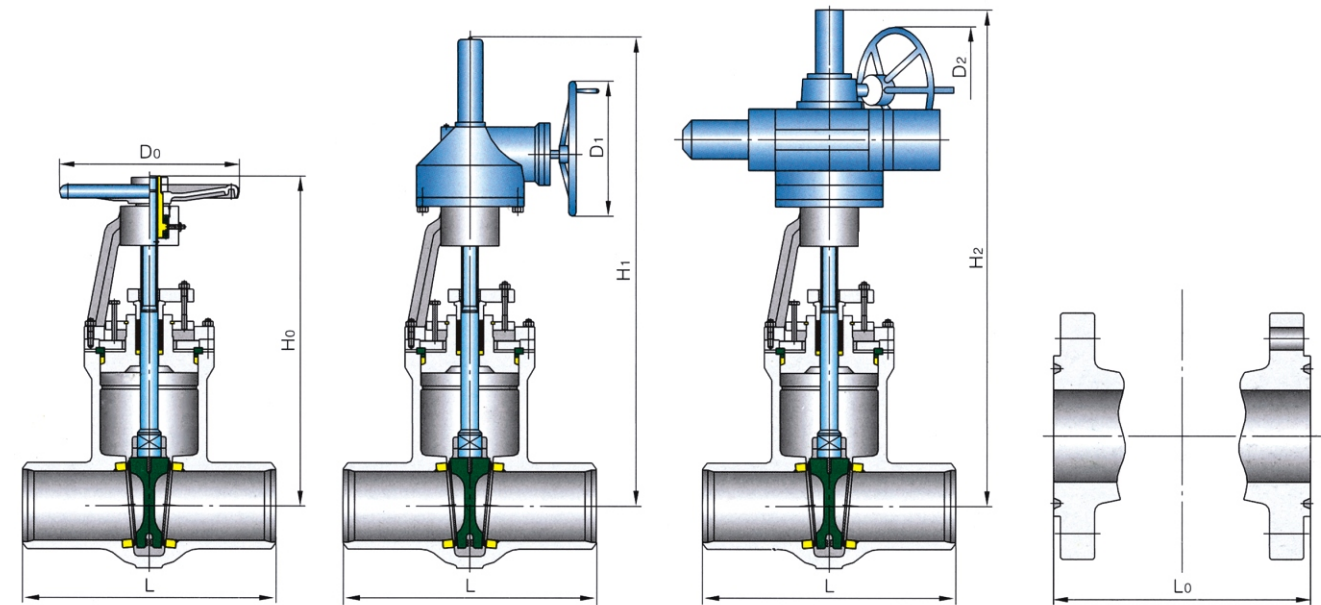


主要外形尺寸及重量Main size of outside&weight

型号Model: Z40H、Z40Y、Z540H、Z540Y、Z940H、Z940Y

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L	H ₀	D ₀	重量 Weight (kg)	H ₁	D ₁	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	372	540	300	65	—	—	—	—	832	590	DZW20A	145
	2 1/2	422	555	350	83	—	—	—	—	880	590	DZW30A	200
	3	384	625	350	115	—	—	—	—	910	590	DZW30A	300
	4	460	730	400	195	—	—	—	—	1020	590	DZW45A	325
	6	613	860	600	410	895	460	BA-1	440	1060	830	DZW90	570
	8	740	930	600	720	1070	460	BA-1	720	1150	830	DZW120	885
	10	841	1090	650	1090	1290	610	BA-2	1140	1320	870	DZW180	1300
	12	968	1245	700	1625	1540	610	BA-2	1720	1580	870	DZW250	1870
	14	1038	—	—	—	1620	610	BAA-3	2400	1660	1170	DZW350	2370
	16	1140	—	—	—	1730	610	BAA-3	3040	1780	1170	DZW500	3010
1500	3	473	—	—	—	—	—	—	—	960	590	DZW45A	335
	4	549	—	—	—	—	—	—	—	1040	810	DZW60A	445
	6	711	—	—	—	1250	460	BA-1	640	1250	830	DZW120	785
	8	841	—	—	—	1600	460	BA-1	990	1600	870	DZW180	1140
	10	1000	—	—	—	—	—	—	—	1860	870	DZW250	1790
	12	1146	—	—	—	—	—	—	—	2150	1170	DZW350	2810
	14	1276	—	—	—	—	—	—	—	2380	1170	DZW500	4190
	16	1407	—	—	—	—	—	—	—	2580	1060	DZW800	4970

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



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

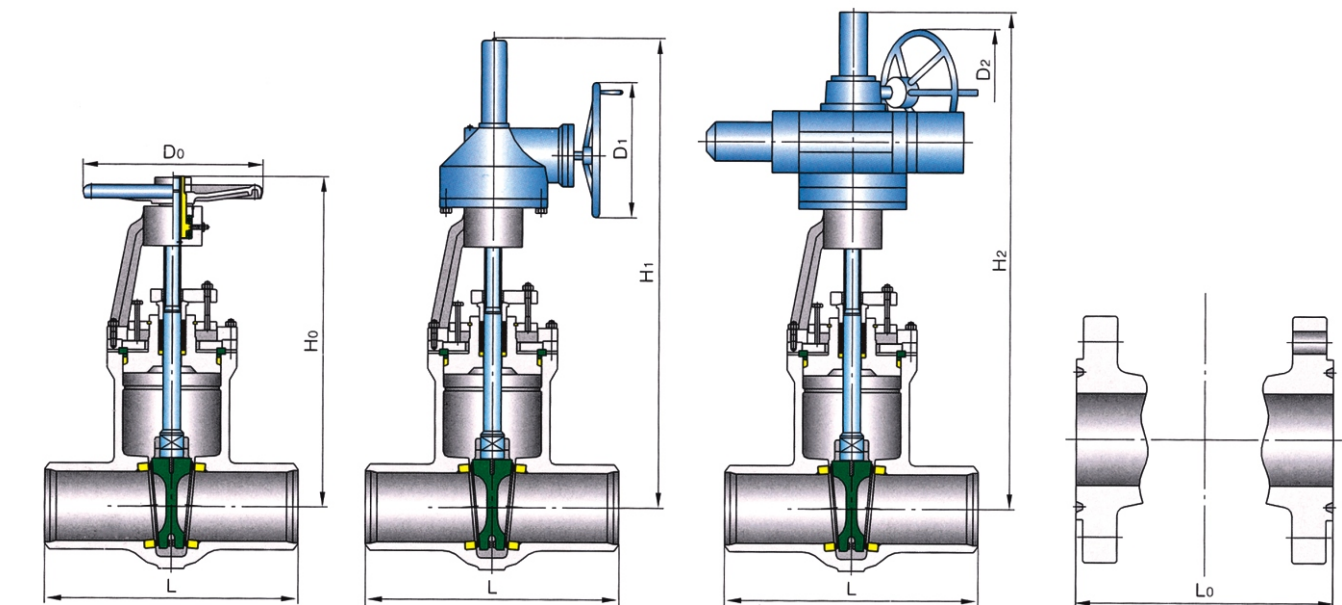
型号Model: PsZ40H、PsZ40Y、PsZ540H、PsZ540Y、PsZ940H、PsZ940Y 法兰连接 Flanged ends(RTJ)

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L0	H0	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	371	550	250	88	—	—	—	—	835	590	DZW20A	130
	3	384	605	350	105	—	—	—	—	975	590	DZW30A	142
	4	460	750	400	140	—	—	—	—	1200	590	DZW45A	204
	6	613	840	500	300	895	460	BA-1	350	1280	830	DZW90	356
	8	740	—	—	—	1370	460	BA-1	530	1372	830	DZW120	530
	10	841	—	—	—	1495	610	BA-2	950	1495	870	DZW180	950
	12	968	—	—	—	1830	610	BA-2	1400	1830	870	DZW250	1400
	14	1038	—	—	—	2145	610	BA-2	2010	2144	1170	DZW350	1800
	16	1140	—	—	—	2405	610	BAA-2	2700	2406	1170	DZW500	3000
	20	1334	—	—	—	2750	610	BAA-2	4400	2800	1060	DZW800	3800

型号Model: PsZ61H、PsZ61Y、PsZ561H、PsZ561Y、PsZ961H、PsZ961Y 对焊连接 Butt welding ends

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L	H0	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	368	550	250	68	—	—	—	—	835	590	DZW20A	120
	3	381	605	350	85	—	—	—	—	975	590	DZW30A	135
	4	457	750	400	102	—	—	—	—	1200	590	DZW45A	202
	6	610	840	500	200	895	460	BA-1	280	1280	830	DZW90	293
	8	737	—	—	—	1370	460	BA-1	460	1372	830	DZW120	472
	10	838	—	—	—	1495	610	BA-2	820	1495	870	DZW180	844
	12	965	—	—	—	1830	610	BA-2	1150	1830	870	DZW250	1184
	14	1029	—	—	—	2145	610	BA-2	1500	2144	1170	DZW350	1579
	16	1130	—	—	—	2405	610	BAA-2	2100	2406	1170	DZW500	2136
	20	1321	—	—	—	2750	610	BAA-2	3400	2800	1060	DZW800	3485

API 自紧密封(PS)阀盖铸钢闸阀 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: PsZ401H、PsZ40Y、PsZ540H、PsZ540Y、PsZ940H、PsZ940Y 法兰连接 Flanged ends(RTJ)

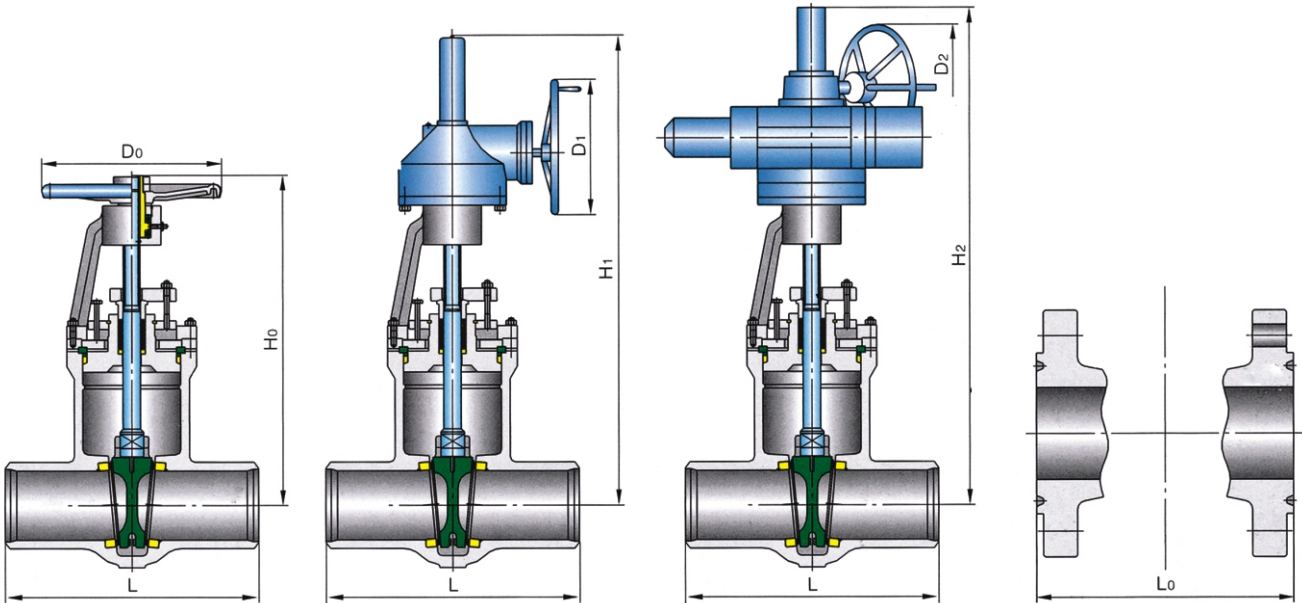
传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L0	H0	D0	重量 Weight (kg)	H1	D1	齿轮装置 Gear device	重量 Weight (kg)	H2	D2	电动装置 Electric driving	重量 Weight (kg)
1500	2	371	590	300	100	—	—	—	—	715	590	DZW30A	—
	3	473	711	350	130	—	—	—	—	736	590	DZW45A	210
	4	549	774	450	200	—	—	—	—	831	810	DZW60A	290
	6	711	—	—	—	1170	610	BA-2	544	1054	830	DZW120	560
	8	841	—	—	—	1370	610	BA-2	825	1422	870	DZW180	980
	10	1000	—	—	—	1655	610	BA-2	1375	1714	870	DZW250	1470
	12	1146	—	—	—	1810	610	BA-2	2085	1905	1170	DZW350	2220
	14	1276	—	—	—	1981	610	BAA-2	2940	1990	1170	DZW500	2970
	16	1407	—	—	—	2108	610	BAA-2	3790	2210	1060	DZW800	3900
	20	1686	—	—	—	2387	610	BAA-2	5130	2432	1060	DZW1000	5250

型号Model: PsZ60H、PsZ60Y、PsZ560H、PsZ560Y、PsZ960H、PsZ960Y 对焊连接 Butt welding ends

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L	H0	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)
1500	2	368	550	250	89	—	—	—	—	715	590	DZW30A	—
	3	470	620	350	110	—	—	—	—	736	590	DZW45A	185
	4	546	750	400	180	—	—	—	—	831	810	DZW60A	268
	6	705	—	—	—	1170	610	BA-2	370	1054	830	DZW120	472
	8	832	—	—	—	1370	610	BA-2	610	1422	870	DZW180	754
	10	991	—	—	—	1655	610	BA-2	1300	1714	870	DZW250	1411
	12	1130	—	—	—	1810	610	BA-2	2000	1905	1170	DZW350	2133
	14	1257	—	—	—	1981	610	BAA-2	2900	1990	1170	DZW500	2912
	16	1384	—	—	—	2108	610	BAA-2	3490	2210	1060	DZW800	3516
	20	1664	—	—	—	2387	610	BAA-2	4800	2432	1060	DZW1000	4922

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API 自紧密封(PS)阀盖铸钢闸阀 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: PsZ40H、PsZ40Y、PsZ540H、PsZ540Y、PsZ940H、PsZ940Y 法兰连接 Flanged ends(RTJ)

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L	H0	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)
2500	2	454	570	450	185	—	—	—	—	—	—	—	—
	3	584	596	500	215	—	—	—	—	654	830	DZW90	315
	4	683	698	600	335	—	—	—	—	781	830	DZW120	445
	6	927	—	—	—	876	610	BAA-2	890	977	870	DZW180	970
	8	1038	—	—	—	1493	610	BAA-2	1420	1523	870	DZW250	1520
	10	1292	—	—	—	1600	610	BAA-2	2560	1645	1170	DZW350	2630
	12	1445	—	—	—	1752	610	BAA-2	3740	1802	1170	DZW500	3823

型号Model: PsZ60H、PsZ60Y、PsZ560H、PsZ560Y、PsZ960H、PsZ960Y 对焊连接 Butt welding ends

传动方式Driving			手动Hand operated			齿轮动Gear operated				电动Electric driving			
Class	NPS (in)	L	H0	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)
2500	2	451	502	450	110	—	—	—	—	—	—	—	—
	3	578	596	500	135	654	610	BA-2	203	683	830	DZW90	199
	4	673	698	600	215	781	610	BA-2	305	806	830	DZW120	294
	6	914	—	—	—	977	610	BAA-2	650	1024	870	DZW180	664
	8	1022	—	—	—	1493	610	BAA-2	900	1508	870	DZW250	924
	10	1270	—	—	—	1600	610	BAA-2	1600	1620	1170	DZW350	1674
	12	1422	—	—	—	1752	610	BAA-2	2300	1790	1170	DZW500	2312

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锻钢闸阀 Forged steel gate valve

产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构 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
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	API598、BS6755

主要零件材料 Major parts material

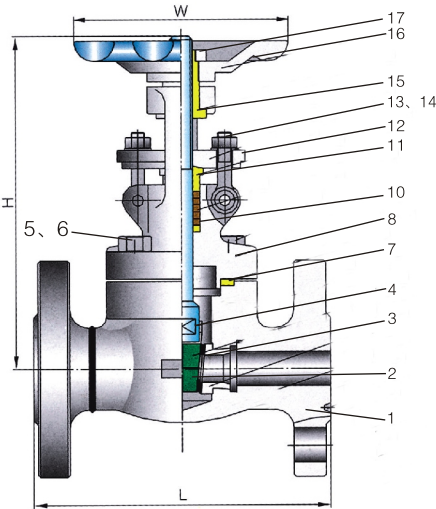
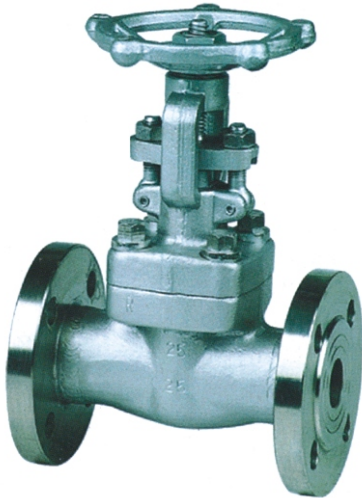
序号 No	零件名称 Part name	材质 Material
1	阀体Body	ASTM A105、ASTM A182–F5、F9、F11、F22、F304、F304L、F321、F316、F316L、F347、F316H、F51、F53、F55、F60、F91、ASTM A350–LF2
2	闸板Gate	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60、F91
3	阀座Seat	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60、F91
4	阀杆Stem	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60、F91
5	体盖螺钉Body cover stud	ASTM A193–B7、B16、B7M、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或蒙乃尔合金+石墨、304、304L、316、316L、321+PTFE
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
10	填料packing	碳纤维、PTEF、夹不锈钢丝或蒙乃尔合金丝石墨编织
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、B8M
15	阀杆螺母Stem nut	F6a氮化
16	手轮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: (Hs、Ps)Z41H、(Hs、Ps)Z41Y

Class		150					300					600				
DN		L		H①	W	重量 Weight (kg)	L		H①	W	重量 Weight (kg)	L		H①	W	重量 Weight (kg)
mm	in	R F	RTJ				R F	RTJ				R F	RTJ			
15	1/ 2	108	119	160	100	4.5	140	151	160	100	4.8	165	163.5	160	100	5.8
20	3/ 4	117.5	130	165	100	5.1	152.5	165	165	100	6.2	190.5	190.5	165	100	7.5
25	1	127	140	192	125	8.5	165	178	192	125	9.4	216	216	192	125	10.3
32	1 1/ 4	140	153	220	160	11.5	178	191	220	160	14.2	229	229	220	160	16.3
40	1 1/ 2	165	178	245	160	11.2	190.5	203	245	160	15.5	241	241	245	160	17.5
50	2	178	216	285	180	20	216	232	285	180	23.5	292	295	285	180	28.4

注：①H为阀门全开时的高度。Note:H represents the height in full opening condition of valve.



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锻钢闸阀 Forged steel gate valve

产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构 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

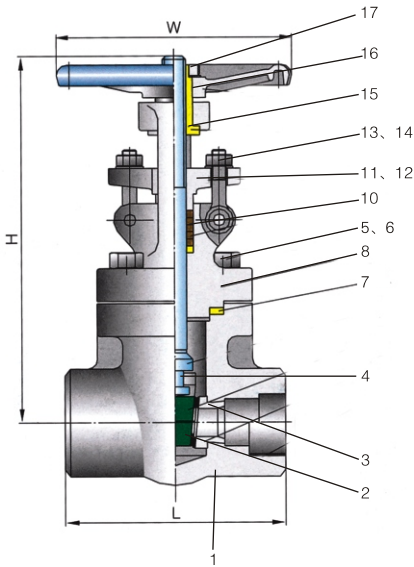
序号 No	零件名称 Part name	材质 Material
1	阀体Body	ASTM A105、ASTM A182–F5、F9、F11、F22、F304、F304L、F321、F316、F316L、F347、F316H、F51、F53、F55、F60、F91、ASTM A350–LF2
2	闸板Gate	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60、F91
3	阀座Seat	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60、F91
4	阀杆Stem	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60、F91
5	体盖螺柱Body cover stud	ASTM A193–B7、B16、B7M、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或蒙乃尔合金+石墨、304、304L、316、316L、321+PTFE
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
10	填料packing	碳素纤维、PTEF、夹不锈钢丝或蒙乃尔合金丝石墨编织
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、B8M
15	阀杆螺母Stem nut	F6a氮化
16	手轮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: (Hs、Ps)Z11H、(Hs、Ps)Z11Y、(Hs、Ps)Z61H、(Hs、Ps)Z61Y

Class				800				1500			
DN				尺寸Dimensions(mm)			重量 Weight (kg)	尺寸Dimensions(mm)			重量 Weight (kg)
缩径Reduce bore		全径 Full bore		L	H①	W		L	H①	W	
mm	in	mm	in								
15	1/ 2	10	3/8	80	160	100	1.9	111	203	125	4.2
20	3/ 4	15	1/ 2	92	165	100	2.1	111	203	125	4.6
25	1	20	3/ 4	111	192	125	3.2	115	216	160	6.2
32	1 1/ 4	25	1	120	220	160	6.9	120	235	160	8.2
40	1 1/ 2	32	1 1/ 4	120	245	160	6.9	140	275	180	11.0
50	2	40	1 1/ 2	140	285	180	10.4	162	320	200	15.8
		50	2	172	392	200	15.8	180	368	250	24.5

注：①H为阀门全开时的高度。Note:H represents the height in full opening condition of valve.



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锻钢闸阀 Forged steel gate valve

产品采用标准 Technical specification

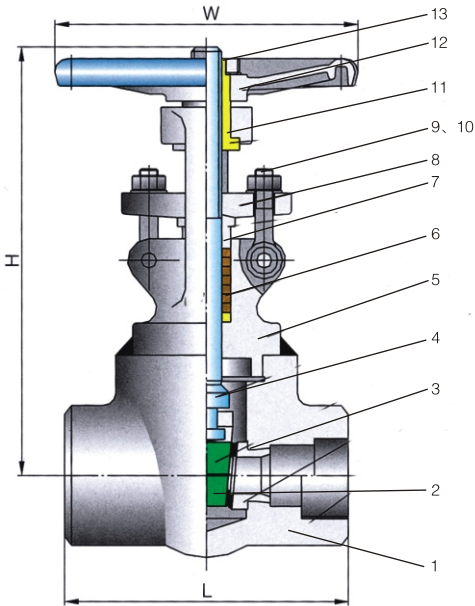
结构形式 Structural formation	焊接阀盖明杆支架结构 Weld-jointed bonnet outside stem yoke strcture
驱动方式 Driving manner	手动Hand-operated
设计标准 Design standard	API602、BS5352
螺纹端 Thread ends	ASME B1.20.1
承插焊端/对焊端 Socket welded ends/Butt-weld	ASME B16.11 ASME B16.25
试验和检验 Test&inspection	API598、BS6755



主要零件材料 Major parts material form

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	阀座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	碳纤维、PTFE、夹不锈钢丝或蒙乃尔合金丝、 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、B8M
11	阀杆螺母 Stem nut	F6a氮化
12	手轮 Handwheel	可锻铸铁、球墨铸铁
13	锁紧螺母 Lock nut	ASTM A105 ASTM A182-1Cr13、2Cr13、F304



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锻钢闸阀 Forged steel gate valve

主要零件材料 Major parts material form

API自压密封铸钢闸阀（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、 F60、F91 ASTM A350–LF2
2	阀座Seat	ASTM A182–F6a、F304、F304L、F321、F316、F316L F347、F316H、F51、F53、F55、F60
3	闸板Gate	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	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、F60
9	填料箱锁紧螺母 Stuffing box lock nut	ASTM A194–2H、7、8、4
10	填料Packing	碳素纤维、PTEF、夹不锈钢丝或蒙乃尔合金丝、石墨编织
11	螺母Nut	ASTM A194–2H、7、8、4
12	活节螺栓Live bolt	ASTM A193–B7、B16、B7M、B8、 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 A995–4A
14	填料压盖Packing gland	F6a氮化
15	阀杆螺母Stem nut	可锻铸铁、球墨铸铁
16	手轮Handwheel	ASTM A105
17	锁紧螺母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、Ps)Z11H、(Hs、Ps)Z11Y、(Hs、Ps)Z61H、(Hs、Ps)Z61Y

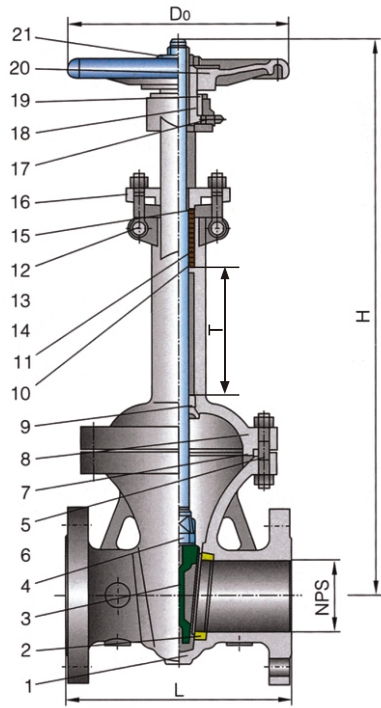
Class				2500			
DN				尺寸Dimensions(mm)			重量 Weight (kg)
缩径Reduce bore		全径 Full bore		L	H①	W	
mm	in	mm	in				
15	1/ 2	10	3/8	111	185	125	5.2
20	3/ 4	15	1/ 2	127	215	140	5.5
25	1	20	3/ 4	127	245	160	7.4
32	1 1/ 4	25	1	127	276	160	9.5
40	1 1/ 2	32	1 1/ 4	140	276	180	9.8
50	2	40	1 1/ 2	210	340	200	19.5
		50	2	230	405	240	29

注：①H为阀门全开时的高度。Note:H represents the height full in opening condition of valve.



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低温闸阀 Low-temperature gate valve



产品采用标准 Technical specification

设计与制造 Design and marfacture	API 600,MSS SP–134,JISB2073,BS6364
结构长度 Face to face	ASME B16.10 BSEN558
连接尺寸 Connection dinsertsions	ASME B16.5
压力温度基准 Pressure–temp	ASME B16.34
试验和检验 Test&inspection	API598,MSS SP–134,BS6364
主体材料 Body material	LCB、CF8、CF8M、CF3、CF3M
最低温度（℃） Minimum temperature(℃)	–46、–70、–105、–165、 –196、–254

注：低温加长颈长度T可根据不同低温条件要求加长或按用户要求确定。
Note: Low temperature extended neck length T 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,A350LF2,1Cr13	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	A182F304+N	A182 F304+N	A182 F316+N	A182 F304L+N	A182 F316L+N
5	螺栓Bolt	A193 B7M	A320 L7	A193 B8	A320 B8M	
6	螺母Nut	194 2HM	A194 4	A194 7	A194 8	A194 8M
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Back seat	A182F304	A182 F304	A182 F316	A182 F304L	A182 F316L
10	填料Packing	柔性石墨 Flexible graphite				
11	隔环 Lantern	A182F304	A182 F304	A182 F316	A182 F304L	A182 F316L
12	销Pin	碳钢或合金钢 Carbon steel or alloy steel				
13	活节螺栓Gland eyebolt	A193 B7	20	A320 L7	A193 B7M	A193 B8
14	螺母Nut	A194 2HM				
15	填料压套Gland	A182LF2	A182 F304	A182 F316	A182 F304L	A182 F316L
16	填料压板Gland flange	A352LCB	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
17	油杯Oil cup	铜、碳钢或不锈钢Brass carbon steel or stainless steel				
18	阀杆螺母 Stem nut	A439D2	ZCuAl10Fe3(GB STD)			
19	轴承压盖 Retaining unt	碳钢或合金钢Carbon steel or alloy steel				
20	手轮Handwheel	可锻铸铁或碳钢Forgable cast ivon 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	硬质合金 STL/304 Hard alloy				

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

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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	190	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(开)	320	350	385	420	540	610	690	780	930	980	1180	1390	1620	1810	1970	-
	13	13.8	15.1	16.5	21.3	24	27	30.7	36.6	38.6	46.5	54.7	63.8	71.3	77.5	
Wt(kg)	6	8	9	15	22	26	39	50	69	85	132	182	266	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	152	165	178	190	216	241	283	305	403	419	457	502	762	838	914	991
	6	6.5	7	7.5	8.5	9.5	11.1	12	15.8	16.5	18	19.8	30	33	36	39
H(开)	330	360	400	455	575	635	715	815	965	1025	1225	1440	1665	1880	2050	-
	13	14.1	15.7	17.9	22.6	25	28	32	38	40	48.2	56.7	65.5	74	80.7	
Wt(kg)	7	9	11	19	29	37	52	78	116	138	218	288	410	605	750	-

Class 600																
DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	40	
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	508	559	660	787	838	-	-	
	7.5	8.5	9	9.5	11.5	13	14	17	20	22	26	31	33			
H(开)	335	365	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	42	50	59	68.5			
Wt(kg)	12	17	26	32	44	58	75	125	187	260	384	502	705	-	-	

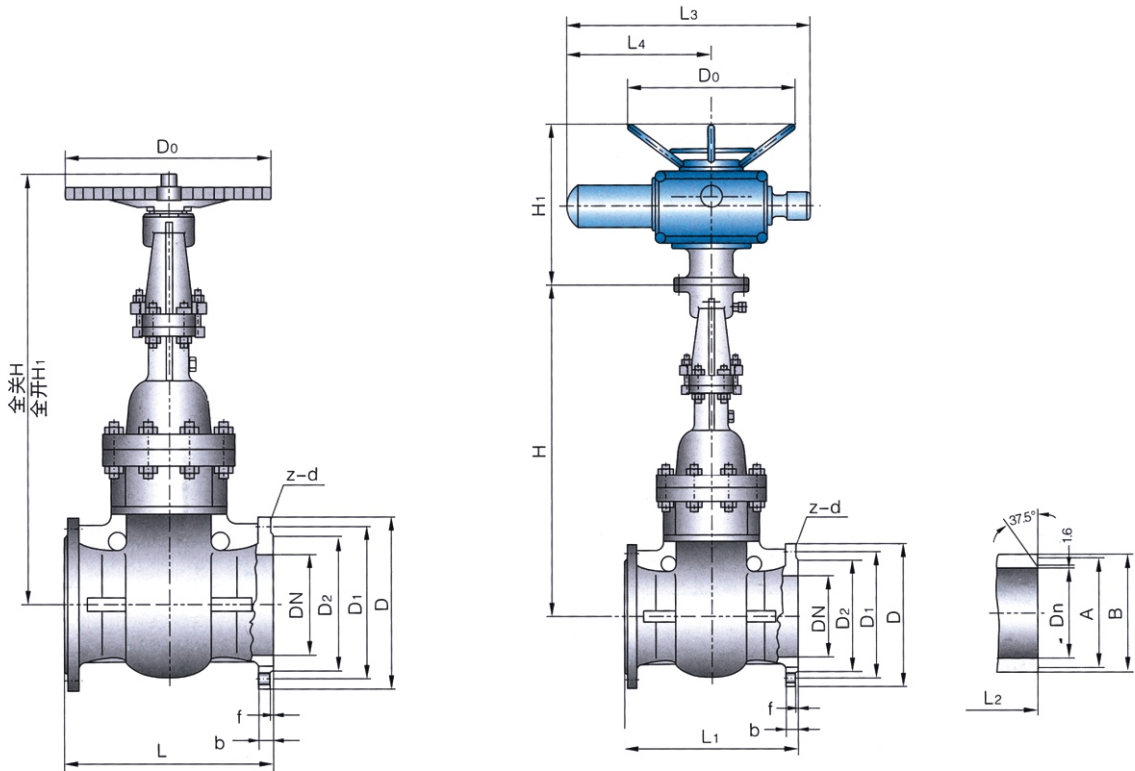
注：法兰、手轮尺寸与相应的钢制闸阀相同
Note: Flange, Handwheel dimensions are same to steel gate valve



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真空隔离闸阀 Vacuum-isolating gate valve

NKZ 44 10C
64 H-16 25
NKZ 44 10
64 Y-16 25
NKZ 44 10
64 Y-16P 25
NKZ 44 10
64 Y-16R 25



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

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)														重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	b	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
1.0	50	250	216	160	125	100	16	3	4-18	49	57	64	398	458	250	28	24
	65	270	241	180	145	120	18	3	4-18	66	73	82	438	514	250	40	35
	80	280	283	195	160	135	18	3	4-18	78	89	94	456	539	300	55	50
	100	300	305	215	180	155	20	3	8-18	96	108	115	514	614	300	72	65
	125	325	381	245	210	185	22	3	8-18	121	133	144	600	730	350	106	92
	150	350	403	280	240	210	24	3	8-23	146	159	172	680	825	350	146	128
	200	400	419	335	295	265	26	3	8-23	202	219	222	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	502	440	400	368	28	4	12-23	303	325	330	990	1265	450	395	360
	350	550	572	500	460	428	30	4	16-23	351	377	382	1135	1470	550	530	490
	400	600	610	565	515	482	32	4	16-25	398	426	432	1410	1815	550	690	640
	450	650	660	615	565	532	32	4	20-25	450	480	484	1475	1925	600	870	810
	500	700	711	670	620	585	34	4	20-25	501	530	535	1660	2170	650	1080	1010
	600	800	813	780	725	685	36	5	20-30	602	630	638	1955	2550	700	1350	1260
	700	900	914	895	840	800	40	5	24-30	692	720	738	2160	2865	750	1950	1830
	800	1000	965	1010	950	905	44	5	24-34	792	820	840	2590	3390	800	2500	2320

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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)	公称通径 DN(mm)	尺寸(mm)														重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	b	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
1.6	50	250	216	160	125	100	16	3	4-18	49	57	64	398	458	250	28	24
	65	270	241	180	145	120	18	3	4-18	66	73	82	438	514	250	40	35
	80	280	283	195	160	135	20	3	8-18	78	89	94	456	539	300	55	50
	100	300	305	215	180	155	20	3	8-18	96	108	115	514	614	300	75	65
	125	325	381	245	210	185	22	3	8-18	121	133	144	600	730	350	110	96
	150	350	403	280	240	210	24	3	8-23	146	159	172	680	825	350	150	133
	200	400	419	335	295	265	26	3	12-23	202	219	222	800	1000	400	223	203
	250	450	457	405	350	320	30	3	12-25	254	273	278	840	1080	450	325	295
	300	500	502	460	400	375	30	4	12-25	303	325	330	990	1280	450	430	395
	350	550	572	520	460	435	34	4	16-25	351	377	382	1135	1470	600	570	510
	400	600	610	580	515	485	36	4	16-30	398	426	432	1410	1815	650	740	665
	450	650	660	640	565	545	40	4	20-30	450	480	484	1475	1925	700	955	860
	500	700	711	705	620	608	44	4	20-34	501	530	535	1660	2170	750	1195	1070
	600	800	813	840	725	718	48	5	20-41	602	630	638	1950	2570	800	1455	1295
	700	900	914	910	840	788	50	5	24-41	692	720	738	2165	2870	850	2110	1830
	800	1000	965	1020	950	898	52	5	24-41	792	820	840	2595	3395	950	2630	2390

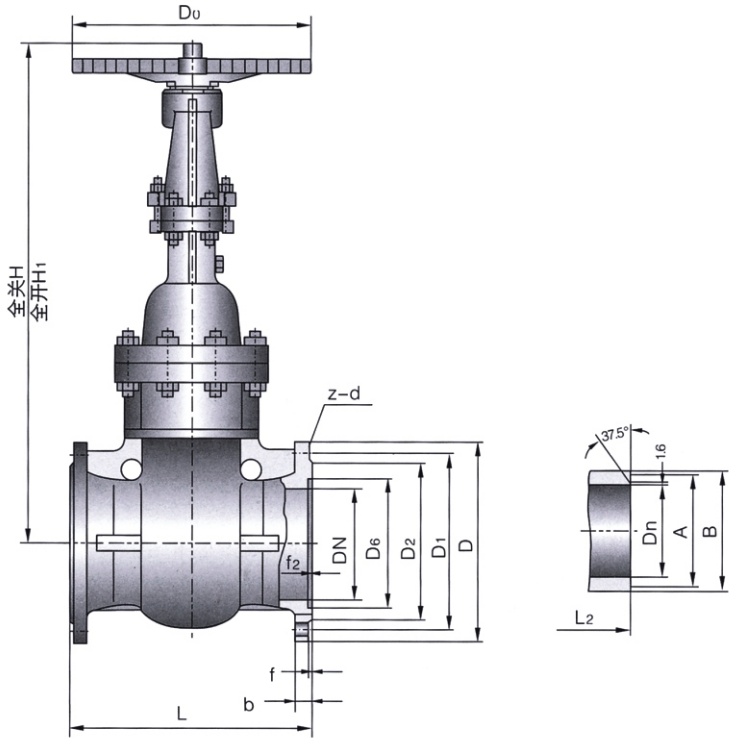
主要外形尺寸及重量Main size of outside & weight

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)														重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	b	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
2.5	50	250	216	160	125	100	20	3	4-18	49	57	64	400	460	250	30	25
	65	270	241	180	145	120	22	3	8-18	66	73	82	440	515	250	43	37
	80	280	283	195	160	135	22	3	8-18	78	89	94	460	540	300	60	52
	100	300	305	230	190	160	24	3	8-23	96	108	115	516	615	300	79	67
	125	325	381	270	220	188	28	3	8-25	121	133	144	600	730	350	115	98
	150	350	403	300	250	218	30	3	8-25	146	159	172	680	825	350	155	135
	200	400	419	360	310	278	34	3	12-25	202	219	222	800	1000	400	240	215
	250	450	457	425	370	332	36	3	12-30	254	273	278	840	1080	450	345	305
	300	500	502	485	430	390	40	4	16-30	303	325	330	990	1280	550	455	400
	350	550	762	550	490	448	44	4	16-34	351	377	382	1135	1470	650	615	525
	400	600	838	610	550	505	48	4	16-34	398	426	432	1410	1815	700	790	670
	450	650	914	660	600	555	50	4	20-34	450	480	484	1480	1930	750	915	870
	500	700	991	730	660	610	52	4	20-41	500	530	535	1665	2175	800	1250	1090
	600	800	1143	840	770	718	56	5	20-41	600	630	638	1955	2575	850	1525	1325
	700	900	1346	955	875	815	60	5	24-48	690	720	738	2170	2875	900	2265	2010
	800	1000	1524	1070	990	930	64	5	24-48	790	820	840	2600	3400	1000	2845	2495

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真空隔离闸阀 Vacuum-isolating gate valve

NKZ⁴⁴₆₄H-⁴⁴₆₄¹⁰⁰ NKZ⁴⁴₆₄Y-⁴⁴₆₄¹⁰⁰ NKZ⁴⁴₆₄Y-⁴⁴₆₄¹⁰⁰P NKZ⁴⁴₆₄Y-⁴⁴₆₄¹⁰⁰R



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

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)																重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	D ₆	b	f ₂	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
4.0	50	250	216	160	125	100	88	20	4	3	4-18	48	57	64	400	460	300	30	25
	65	280	241	180	145	120	110	22	4	3	8-18	66	73	82	440	516	300	45	40
	80	310	283	195	160	135	121	22	4	3	8-18	78	89	94	485	572	350	55	50
	100	350	305	230	190	160	150	24	4.5	3	8-23	96	108	115	574	688	350	75	70
	125	400	381	270	220	188	176	28	4.5	3	8-25	120	133	144	670	802	400	105	95
	150	450	403	300	250	218	204	30	4.5	3	8-25	145	159	172	750	917	400	150	135
	200	550	419	375	320	282	260	38	4.5	3	12-30	200	219	222	891	1110	450	235	210
	250	650	457	445	385	345	313	42	4.5	3	12-34	252	273	278	1040	1330	550	340	310
	300	750	502	510	450	408	364	46	4.5	4	16-34	301	325	330	1050	1330	650	495	435
	350	850	762	570	510	465	422	52	5	4	16-34	351	377	382	1170	1485	750	650	580
400	950	838	665	585	535	474	58	5	4	16-41	398	426	432	1463	1876	850	800	740	

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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)	公称通径 DN(mm)	尺寸(mm)																重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	D ₆	b	f ₂	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
6.4	50	250	292	175	135	105	88	26	4	3	4-23	47	57	66	400	460	300	40	35
	65	280	330	200	160	130	110	28	4	3	8-23	64	73	83	440	516	300	60	50
	80	310	356	210	170	140	121	30	4	3	8-23	77	89	96	485	572	350	75	63
	100	350	406	250	200	168	150	32	4.5	3	8-25	94	108	117	574	688	400	100	78
	125	400	457	295	240	202	176	36	4.5	3	8-30	118	133	144	663	802	400	140	110
	150	450	495	340	280	240	204	38	4.5	3	8-34	142	159	172	750	917	450	205	160
	200	550	597	405	345	300	260	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	762	530	460	412	364	54	4.5	4	16-41	294	325	350	1105	1385	750	630	535
	350	850	826	595	525	475	422	60	5	4	16-41	342	377	382	1170	1485	800	850	690
	400	950	902	670	582	525	474	66	5	4	16-48	386	426	432	1463	1876	900	1095	900

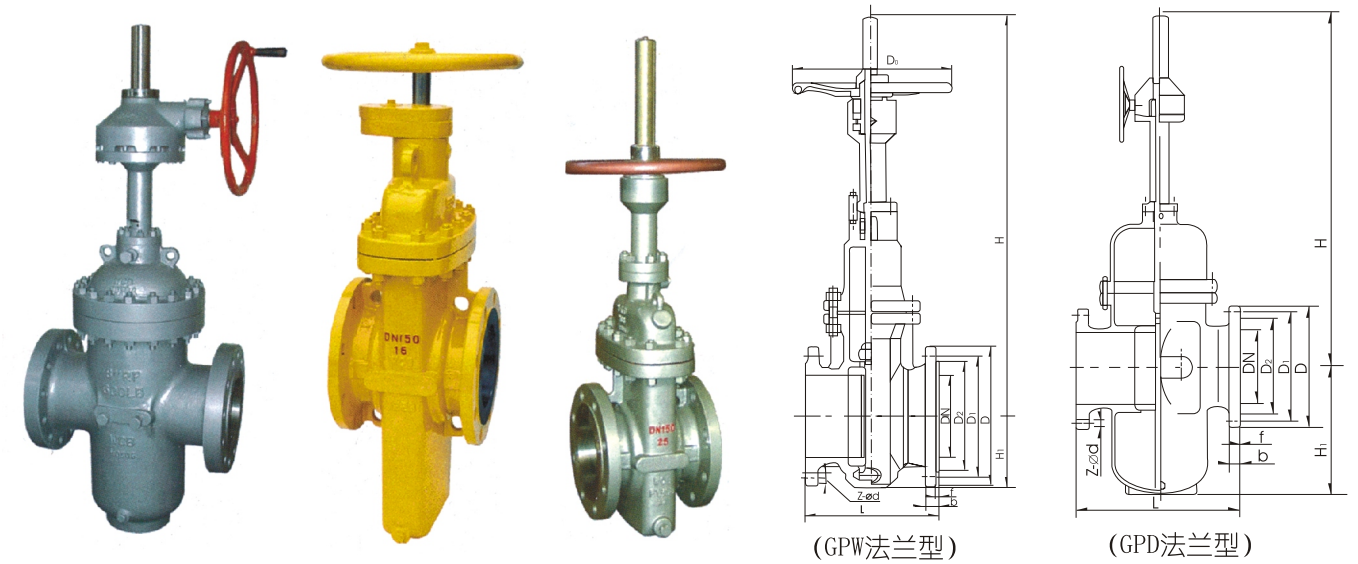
主要外形尺寸及重量Main size of outside & weight

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)																重量(kg)	
		L ₁	L ₂	D	D ₁	D ₂	D ₆	b	f ₂	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
10.0	50	250	292	195	145	112	88	20	4	3	4-25	45	57	66	400	460	300	48	38
	65	280	330	220	170	138	110	22	4	3	8-25	62	73	83	440	516	300	68	54
	80	310	356	230	180	148	121	22	4	3	8-25	75	89	96	485	572	350	90	75
	100	350	432	265	210	172	150	24	4.5	3	8-30	92	108	118	574	688	400	110	85
	125	400	508	310	250	210	176	28	4.5	3	8-34	112	133	150	663	802	400	155	115
	150	450	559	350	290	250	204	30	4.5	3	12-34	136	159	182	750	917	450	220	170
	200	550	660	430	360	312	260	38	4.5	3	12-41	190	219	242	891	1110	550	350	270
	250	650	787	500	430	382	313	42	4.5	3	12-41	236	273	302	1057	1330	650	435	400
	300	750	838	585	500	442	364	46	4.5	4	16-48	284	325	350	1105	1330	750	730	550
	350	850	889	655	560	498	422	52	5	4	16-54	332	377	402	1170	1485	850	995	725
	400	950	991	715	620	558	474	58	5	4	16-54	376	426	452	1463	1876	950	1265	920



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平板闸阀 Flat-plate gate valve



产品性能规范Products performance specification

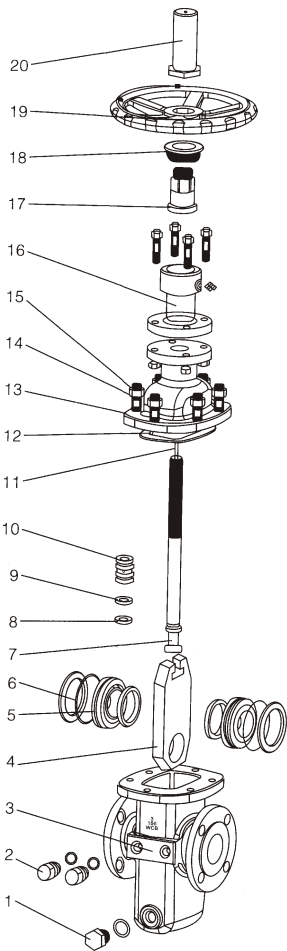
压力等级 Pressure		常温试验压力(MPa) Testing pressure at constant temperature(MPa)				适用温度 Applicable temperature	适用介质 Applicable medium	
		壳体试验 The shell testing	左密封 The left sealing	右密封 Right sealing	低压气密封 Low pressure air tightness		普通型 Ordinary type	抗硫型 Antisulphur type
公称压力 (Mpa) Nominal rating pressure (PN)	1.6	2.4	1.76	1.76	0.6	-46~150℃ 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(Lb) Pound grade (Class)	16.0	24.0	17.6	17.6	0.6	-46~150℃ 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
	150	3.0	2.2	2.2	0.6			
	300	7.5	5.5	5.5	0.6			
	600	16.5	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)	(K)Z43WF、(K)Z43WY、(K)Z43WD、(K)Z44WF、(K)Z44WY、(K)Z44WD (K)Z543WF、(K)Z543WY、(K)Z543WD、(K)Z544WF、(K)Z544WY、(K)Z544WD (K)Z643WF、(K)Z643WY、(K)Z643WD、(K)Z644WF、(K)Z644WY、(K)Z644WD (K)Z943WF、(K)Z943WY、(K)Z943WD、(K)Z944WF、(K)Z944WY、(K)Z944WD				
压力等级范围 Pressure grade range	PN1.6~15.0MPa			Class150~900	
通径范围 Drift diameter range	DN25~1600mm			1"~64"	
驱动方式 Driving manner	手轮驱动 Hand wheel driving			齿轮动、气动、液动、电动 Gear driving,air-operating,hydrodynamic driving and electric driving	
适用范围 Scope of application	Class150~300 (PN1.6~4.0) 1"~24" (DN25~1000mm)	Class400 (PN6.4) 1"~20" (DN25~700mm)	Class600~900 (PN10.0~15.0) 1"~12" (DN25~300mm)	Class150~900 1"~40" (DN25~1000mm)	

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平板闸阀 Flat-plate gate valve



产品采用标准 Technical specification

设计依据 Design reference		GB/JB	API
设计标准 Design standard		GB/T19672 JB/T5298	API6D ASME B16.34
结构长度 Structural length	法兰 Flanged	GB/T12221 GB/T19672、JB/T5298	API6D ASME B16.10
	焊接 Welded connection	GB/T12221 GB/T19672	
连接法兰 Flanged ends		GB/T9113 HG/T20592	ASME B16.5 ASME B16.47
对焊端 Butt-welding ends		GB/T12224	ASME B16.25
试验和检验 Test&inspection		GB/T13927 GB/T19672 JB/T9092	API6D API598

注：阀门连接法兰尺寸可根据用户要求设计制造。
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

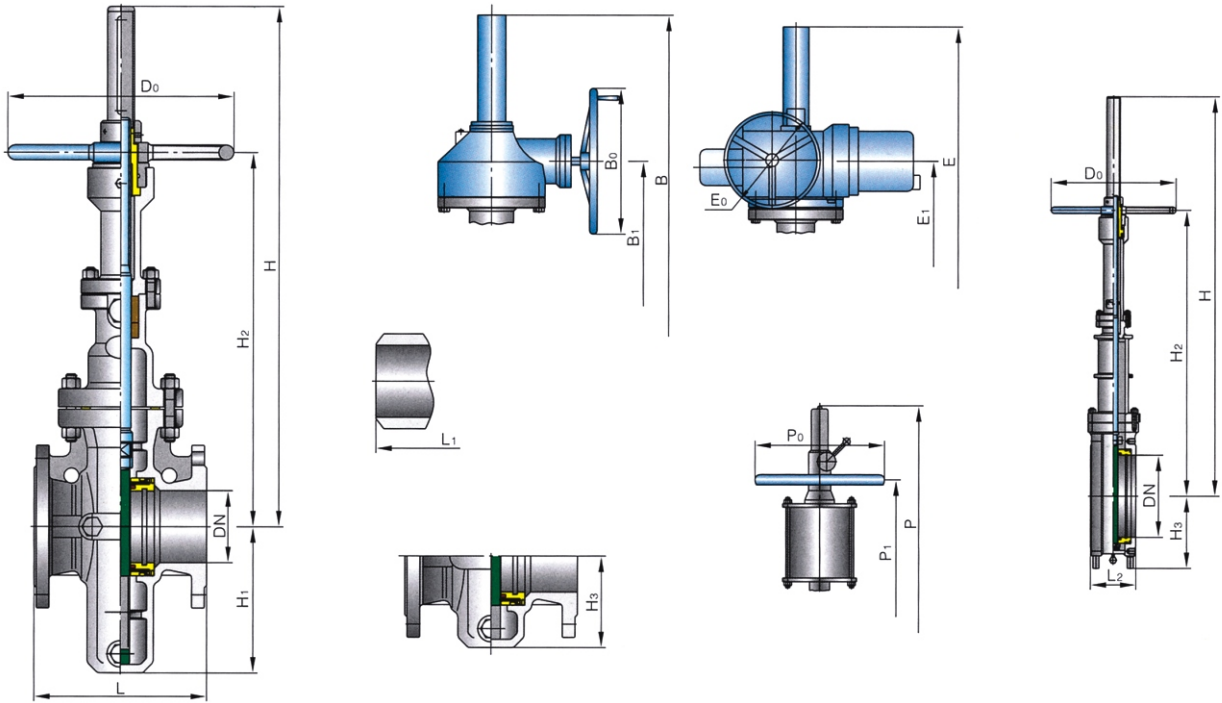
序号 N o.	零件名称 Accessory name	材料Material			
		普通型Ordinary type		抗硫型Antisulphur type	
		GB	ASTM	GB	ASTM
1	排污堵头Blowdown stops	25	A105	1Cr18Ni9	A276-304
2	注脂接头Grease injection joint	25	A105	25+Zn	A105+Zn
3	阀体Body	WCB	A216-WCB	WCB	A216-WCB
4	闸板Disc	16Mn+ENP	A105+ENP	0Cr18Ni9	A276-304
5	阀座Seat	16Mn+PTFE+ENP	A105+PTFE+ENP	0Cr18Ni9+PTFE+ENP	A276-304+PTFE+ENP
6	O形圈-"O" Ring	NBR	NBR	FPM	FPM
7	阀杆Stem	2Cr13	A276-F420	0Cr18Ni9	A276-304
8		2Cr13	A276-420	0Cr18Ni9	A182-F304
9	Y型圈"Y" Ring	NBR	NBR	FPM	FPM
10	密封套Sealing shroud	2Cr13	A276-420	0Cr18Ni9	A276-304
11	指示杆Indicating stem	25+Zn	1025+Zn	25+Zn	1025+Zn
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		35CrMoA	A193-B7	35CrMoA	A193-B7
15	螺母Nut	45	A194-2H	45	A194-2H
16	支架Yoke	WCB	A216-WCB	WCB	A216-WCB
17	阀杆螺母Stem nut	ZQAC9-4	C95500	ZQA19-4	C95500
18	压盖Gland	25	A105	25	A105
19	手轮Hand wheel	KTH350-10	A536-60-40-18	KTH350-10	A536-60-40-18
20	指示罩Indicating cover	25+Zn	1025+Zn	25+Zn	1025+Zn

注：阀门主要零件材质可根据实际工况条件或用户特殊要求设计选用。
Note:The major parts of the valves can be designed and selected according to actual work condition or customer's specific requirement.



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平板闸阀 Flat-plate gate valve



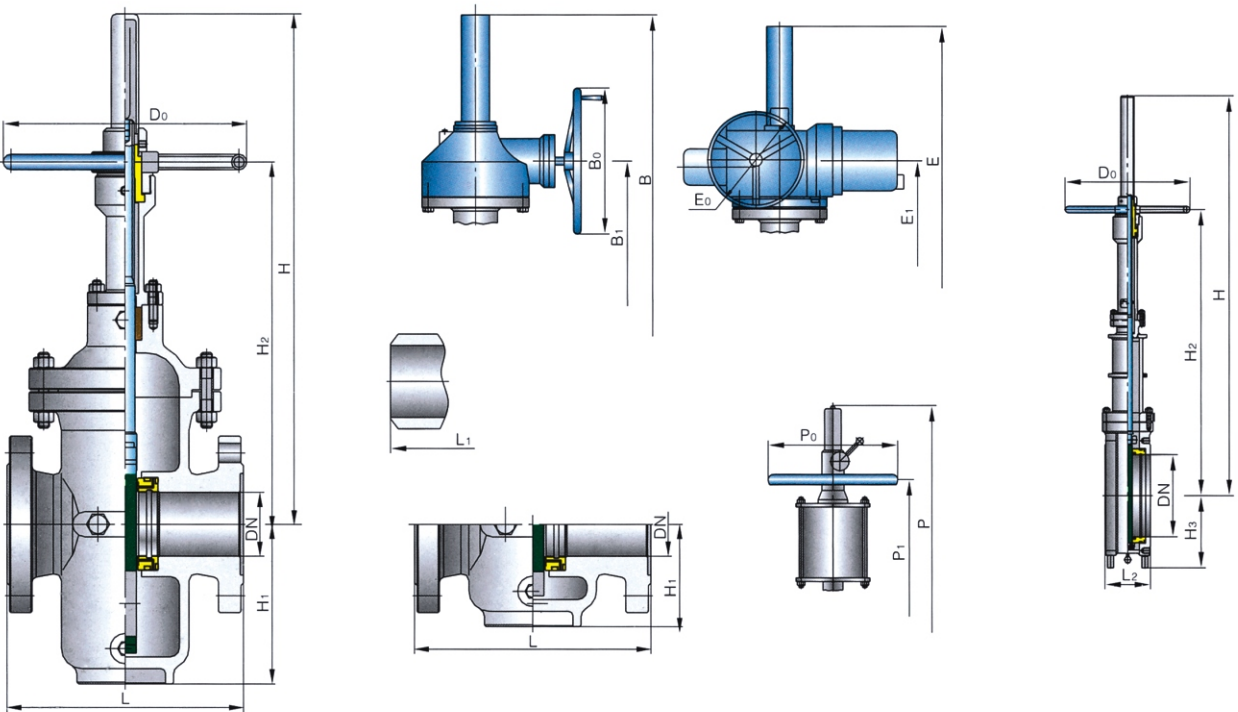
主要外形尺寸Main size of outside

型号Model: (K)Z5(6、9)4(6)3(4)W(P)(F、Y、D) PN1.6、2.5MPa PN2.0MPa(Class150)

DN (mm)	NPS (in)	法兰 Flange	对焊 Butt welding	轻型 Light- duty	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动 液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device	无导流孔 Non-diversion hole type	有导流孔 Diversion hole type
		L	L ₁	L ₂	H	H ₂	D ₀	B	B ₁	D ₀		P	P ₁	P ₀	E	E ₁	E ₀		H ₃	H ₁
25	1	127	127	-	360	250	180	-	-	-	-	-	-	-	-	-	-	-	60	85
32	1 1/4	140	140	-	375	260	180	-	-	-	-	-	-	-	-	-	-	-	71	103
40	1 1/2	165	165	-	410	290	250	-	-	-	-	-	-	-	-	-	-	-	75	115
50	2	178	216	-	450	315	250	-	-	-	-	525	430	250	-	-	-	-	85	122
65	2 1/2	190	241	-	550	420	300	-	-	-	-	648	560	300	-	-	-	-	91	154
80	3	203	283	-	610	428	300	-	-	-	-	730	630	300	-	-	-	-	109	169
100	4	229	305	150	700	494	300	770	650	310	BA-0	850	720	300	912	790	200	SMC-04	121	193
150	6	267	403	150	895	625	300	965	800	310	BA-0	1120	920	350	1107	920	500	SMC-03	178	283
200	8	292	419	180	1130	784	350	1200	960	310	BA-0	1430	1160	350	1390	1120	500	SMC-03	211	352
250	10	330	457	180	1290	937	400	1360	1080	310	BA-0	1665	1380	400	1550	1250	500	SMC-03	215	440
300	12	356	502	200	1480	1080	450	1560	1200	310	BA-0	1930	1550	450	1740	1400	305	SMC-00	245	514
350	14	381	572	200	1660	1283	500	1740	1350	460	BA-1	2185	1750	450	1913	1550	305	SMC-00	280	602
400	16	406	610	218	1850	1417	500	1930	1500	460	BA-1	2450	2000	500	2103	1620	305	SMC-00	310	678
450	18	432	660	218	2080	1489	600	2160	1680	460	BA-1	2755	2250	500	2365	1830	305	SMC-0	346	785
500	20	457	711	229	2300	1672	700	2420	1850	460	BA-1	3050	2450	600	2585	1980	305	SMC-0	363	855
600	24	508	813	248	2680	2012	800	2800	2120	460	BA-2	3580	2900	800	2990	2300	305	SMC-1	442	1045
700	28	610	914	286	3080	2250	800	3200	2450	460	BA-2	4130	3350	800	3390	2600	305	SMC-1	505	1190
800	32	660	965	286	3491	2550	1000	3640	2800	460	BA-2	-	-	-	3850	2980	305	SMC-1	560	1350
900	36	711	1016	-	3897	2850	1000	4050	3080	600	BA-3	-	-	-	4260	3200	458	SMC-2	610	1510
1000	40	811	-	-	4317	3250	1200	4467	3400	600	BA-3	-	-	-	4677	3600	458	SMC-2	715	1715

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平板闸阀 Flat-plate gate valve



主要外形尺寸Main size of outside

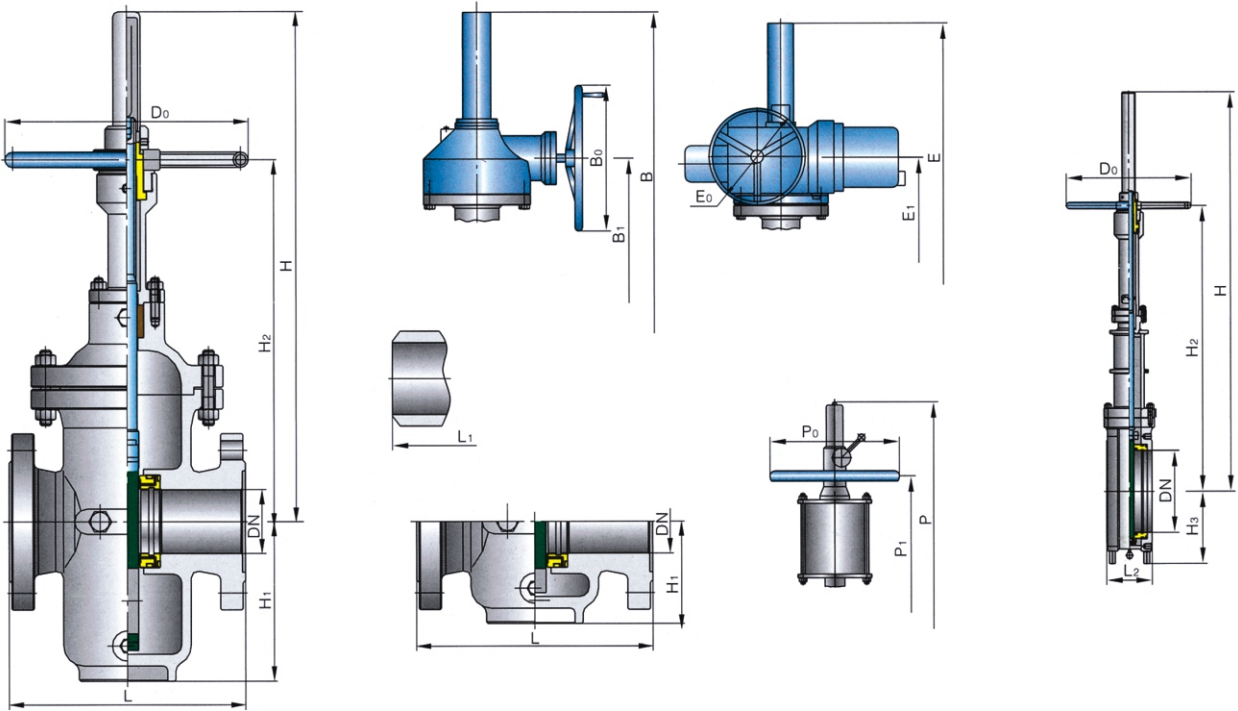
型号Model: (K)Z5(6、9)4(6)3(4)W(P)(F、Y、D) PN4.0MPa PN5.0MPa(Class300)

DN (mm)	NPS (in)	法兰Flange		对焊 Butt welding	轻型 Light- duty	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动 液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device	无导流孔 Non-diversion hole type	有导流孔 Diversion hole type
		L				H	H ₂	D ₀	B	B ₁	D ₀		P	P ₁	P ₀	E	E ₁	E ₀		H ₃	H ₁
		GB	API	L ₁	L ₂																
25	1	165	165	165	—	370	260	180	—	—	—	—	—	—	—	—	—	—	—	70	90
32	1 1/4	178	178	178	—	385	270	180	—	—	—	—	—	—	—	—	—	—	—	80	115
40	1 1/2	190	190	190	—	420	300	250	—	—	—	—	—	—	—	—	—	—	—	85	130
50	2	216	216	216	—	458	325	250	—	—	—	—	533	435	200	—	—	—	—	100	137
65	2 1/2	241	241	241	—	555	420	300	—	—	—	—	653	565	200	—	—	—	—	106	169
80	3	283	283	283	—	615	430	300	—	—	—	—	735	635	250	—	—	—	—	124	184
100	4	305	305	305	150	710	500	300	770	650	310	BA-0	860	730	250	912	790	200	SMC-04	146	218
150	6	403	403	403	150	900	625	350	965	800	310	BA-0	1125	925	350	1155	960	500	SMC-03	206	311
200	8	419	419	419	180	1135	790	350	1200	960	310	BA-0	1435	1165	350	1390	1120	305	SMC-00	241	382
250	10	457	457	457	180	1401	1040	400	1360	1090	310	BA-0	1776	1450	400	1543	1240	305	SMC-00	251	476
300	12	502	502	502	200	1580	1150	450	1560	1200	310	BA-1	2030	1620	450	1745	1400	305	SMC-0	281	545
350	14	572	762	762	200	—	—	—	1740	1350	460	BA-1	2305	1900	500	1945	1580	305	SMC-0	325	645
400	16	610	838	838	218	—	—	—	1930	1540	460	BA-1	2558	2100	600	2135	1640	305	SMC-0	360	728
450	18	660	914	914	218	—	—	—	2160	1700	460	BA-1	2835	2320	700	2385	1840	305	SMC-1	400	800
500	20	711	991	991	229	—	—	—	2420	1850	460	BA-2	3120	2510	800	2660	2050	305	SMC-1	430	930
600	24	787	1143	1143	248	—	—	—	2800	2120	460	BA-2	3670	2980	900	3010	2310	305	SMC-1	497	1100
700	28	914	1346	1346	286	—	—	—	3200	2460	460	BA-2	—	—	—	3480	2680	458	SMC-2	560	1260
800	32	965	1524	1524	286	—	—	—	3640	2800	460	BA-2	—	—	—	3890	3020	458	SMC-2	620	1420
900	36	1016	1727	1727	—	—	—	—	4050	3080	600	BA-3	—	—	—	4260	3200	458	SMC-2	610	1510



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平板闸阀 Flat-plate gate valve

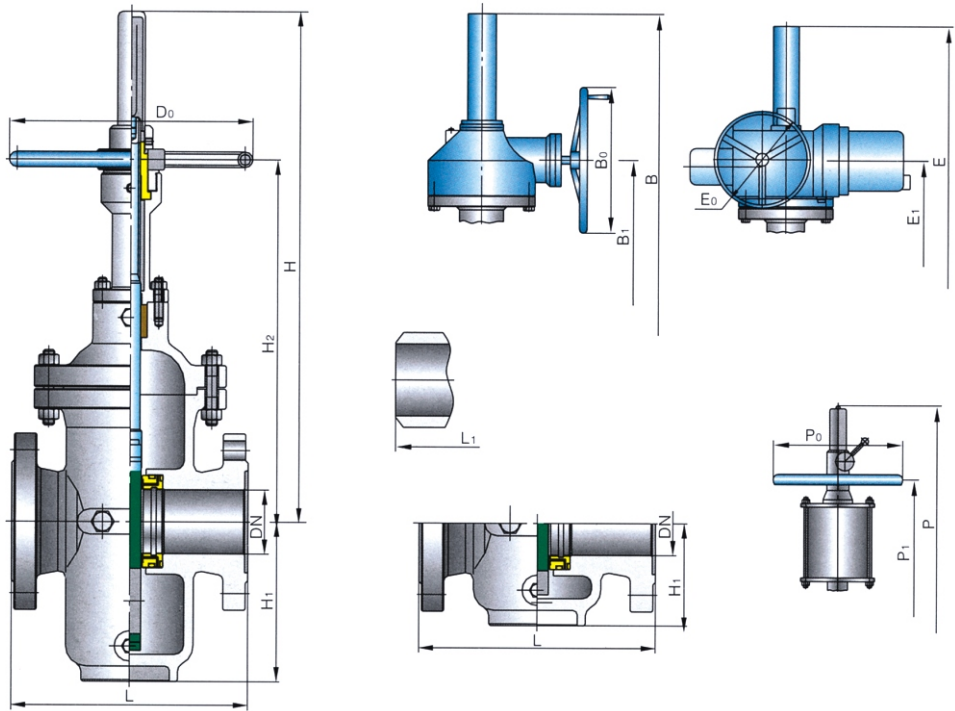


主要外形尺寸Main size of outside

型号Model: (K)Z5(6、9)4(6)3(4)W(P)(F、Y、D) PN6.4MPa(Class400)

DN (mm)	NPS (in)	法兰Flange		对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动 液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device	无导流孔 Non-diversion hole type	有导流孔 Diversion hole type
		L			H ₁	H ₂	D ₀	B	B ₁	B ₀		P	P ₁	P ₀	E	E ₁	E ₀		H ₃	H ₁
		GB	API																	
50	2	216	292	292	458	325	300	505	430	310	BA-0	533	435	200	647	560	200	SWC-04	108	158
65	2 1/2	241	330	330	555	420	300	560	470	310	BA-0	653	565	200	702	610	200	SWC-04	125	190
80	3	283	356	356	615	430	350	610	510	310	BA-0	735	635	250	752	650	500	SWC-03	145	225
100	4	305	406	406	710	500	350	770	650	310	BA-0	860	730	250	912	790	500	SWC-03	165	255
150	6	403	495	495	900	625	400	695	800	310	BA-0	1125	925	350	1138	950	305	SWC-00	220	330
200	8	419	597	597	1135	790	500	1200	960	310	BA-0	1435	1165	350	1373	1100	305	SWC-00	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	1200	460	BA-1	2030	1620	450	1725	1390	305	SWC-0	380	570
350	14	762	826	826	-	-	-	1740	1350	460	BA-1	2305	1900	500	1930	1570	305	SWC-1	430	650
400	16	838	902	902	-	-	-	1970	1540	460	BA-2	2558	2100	600	2210	1700	305	SWC-1	480	735
450	18	914	978	978	-	-	-	2260	1700	460	BA-2	2835	2320	700	2500	1940	305	SWC-1	530	810
500	20	991	1054	1054	-	-	-	2420	1850	460	BA-2	3120	2510	800	2630	2020	458	SWC-2	580	905
600	24	1143	1232	1232	-	-	-	2800	2120	600	BA-3	-	-	-	3050	2350	458	SWC-2	670	1070
700	28	1346	1397	1397	-	-	-	3230	2460	600	BA-3	-	-	-	3480	2680	458	SWC-2	770	1230

平板闸阀 Flat-plate gate valve

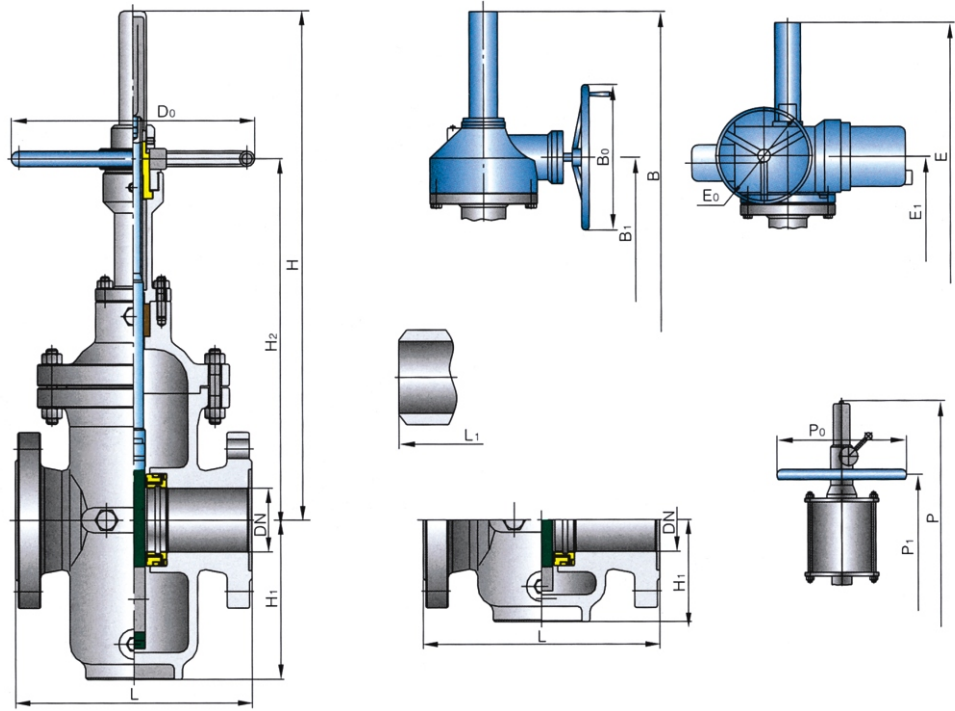


主要外形尺寸Main size of outside

型号Model: (K)Z5(6、9)4(6)3(4)W(F、Y、D) PN10.0MPa(Class600)

DN (mm)	NPS (in)	法兰Flange		对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动 液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device	无导流孔 Non-diversion hole type	有导流孔 Diversion hole type	
		L			L ₁	H	H ₂	D ₀	B	B ₁		B ₀	P	P ₁	P ₀	E	E ₁		E ₀	H ₃	H ₁
		GB	API																		
50	2	250	292	292	468	335	300	505	430	310	BA-0	543	445	200	647	560	200	SMC-04	108	158	
65	2 1/2	280	330	330	565	430	300	560	470	310	BA-0	663	570	200	702	610	200	SMC-04	125	190	
80	3	310	356	356	625	440	350	610	510	310	BA-0	745	640	250	752	650	500	SMC-03	145	225	
100	4	350	432	432	720	510	350	770	650	310	BA-0	870	740	250	950	820	500	SMC-03	165	255	
150	6	450	559	559	910	630	400	965	800	310	BA-0	1135	930	350	1138	950	305	SMC-0	220	330	
200	8	550	660	660	1145	800	500	1200	960	310	BA-1	1445	1170	350	1403	1130	305	SMC-0	280	410	
250	10	650	787	787	1411	1050	500	1370	1090	460	BA-1	1786	1460	400	1575	1280	305	SMC-0	330	490	
300	12	750	838	838	1590	1160	600	1560	1200	460	BA-1	2040	1630	450	1750	1410	305	SMC-1	380	570	
350	14	850	889	889	-	-	-	1740	1350	460	BA-2	-	-	-	1930	1570	305	SMC-1	430	650	
400	16	950	991	991	-	-	-	1970	1540	460	BA-2	-	-	-	2210	1700	305	SMC-1	480	735	
450	18	1050	1092	1092	-	-	-	2260	1700	460	BA-2	-	-	-	2500	1940	458	SMC-2	530	810	
500	20	1150	1194	1194	-	-	-	2420	1850	460	BA-2	-	-	-	2630	2020	458	SMC-2	580	905	

平板闸阀 Flat-plate gate valve



主要外形尺寸Main size of outside

型号Model: (K)Z5(6、9)4(6)3(4)W(F、Y、D) PN16.0MPa(Class900)

DN (mm)	NPS (in)	法兰Flange		对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动 液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device	无导流孔 Non-diversion hole type	有导流孔 Diversion hole type
		L			H	H ₂	D ₀	B	B ₁	B ₀		P	P ₁	P ₀	E	E ₁	E ₀			
		GB	API																L ₁	H ₃
50	2	300	368	368	473	335	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	668	580	300	702	610	500	SMC-03	125	190
80	3	380	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	950	820	305	SMC-00	165	255
150	6	500	610	610	915	640	400	995	830	310	BA-1	1140	940	500	1138	950	305	SMC-0	220	330
200	8	580	737	737	1150	800	500	1250	1000	460	BA-1	1450	1180	550	1403	1130	305	SMC-0	280	410
250	10	680	838	838	1416	1055	500	1420	1140	460	BA-1	1791	1465	600	1575	1280	305	SMC-1	330	490
300	12	775	965	965	1595	1165	600	1600	1230	460	BA-2	2045	1635	700	1750	1410	305	SMC-1	380	570

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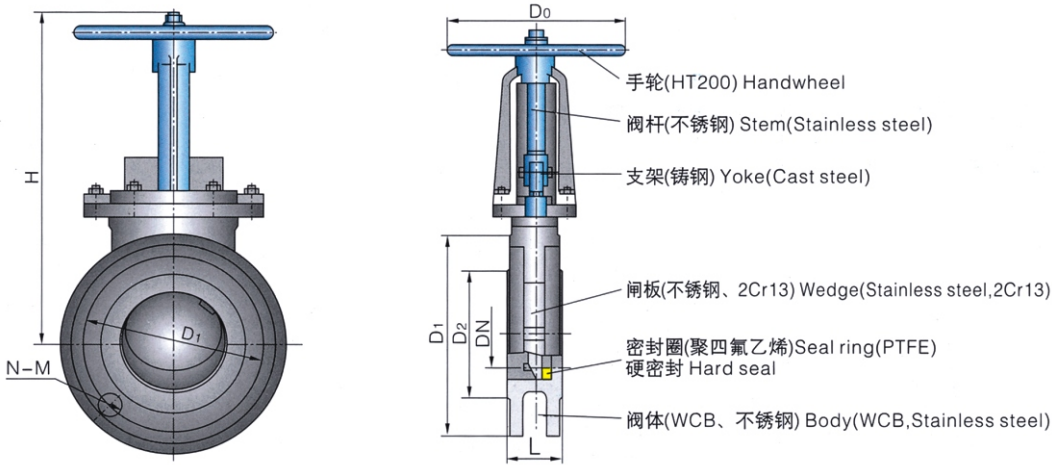
刀形闸阀 Knife gate valve

部件材质说明Specification of parts material

代号 N o.	零件名称 Part name	材质说明 Material specification	
		名称 Name	牌号 Brand number
1	圆螺母Nut	优质碳素钢Quality carbon steel	25
2	手轮Handwheel	可锻铸铁Gray cast iron	KTH350-10
3	轴承压盖Retaining nut	优质碳素钢Quality carbon steel	35
4	阀杆螺母Stem nut	铝青铜Aluminium bronze	ZCuAl9Mn2、ZCuAl9Fe4NiMn2
			ZCuZn25Al6Fe3Mn3
5	轴承Bearing	-	51110
6	阀杆Stem	不锈钢stainless steel	304、316、2Cr13、304L、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、2Cr13
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	柔性石墨盘根Flexible graphite coils 石棉盘根Asbestos coils 增强四氟纤维盘根Strengthened	-
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、STC6、RPTFE、NBR、EPDM、FDM

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PZ43^X_{F-1.6}_H 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			
1.0	1.5	1.1	橡胶(Rubber)≤80℃	PTFE≤180℃	糖浆、纸浆、污水、煤浆、灰、渣水混合物 Mortar Mixture,Dregs with water prportion
1.6	2.4	1.8	Y ≤425℃		

主要零件材料Major parts material form

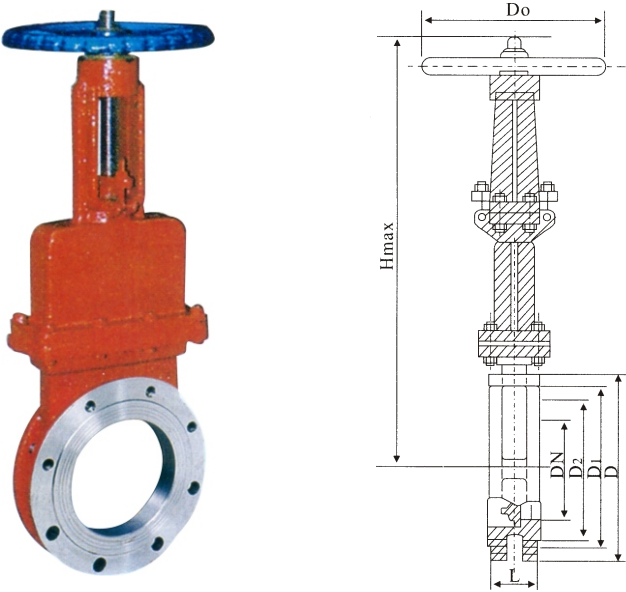
体、盖Body,Bonnet	闸板	阀杆	密封面
不锈钢、碳钢、铸铁 Stainless steel, Carbon steel, Cast iron	不锈钢 Stainless steel	不锈钢 Stainless steel	橡胶、四氟、不锈钢、硬质合金 Rubber, F4, Stainless steel, Hard alloy

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

公称压力(MPa)	公称通径DN(mm)	尺寸(mm)							重量(kg)
		L	D		D ₂	H	N-M	D ₀	
1.0	50	50	160	125	100	285	4-M16	180	8
	65	50	180	145	120	298	4-M16	180	10
	80	50	195	160	135	315	4-M16	220	12
	100	50	215	180	155	365	8-M16	220	14
	125	50	245	210	185	400	8-M16	230	22
	150	60	280	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	66
	300	80	440	400	368	780	12-M20	400	100
	350	90	500	460	428	885	16-M20	400	119
	400	100	565	515	482	990	16-M22	400	195
	450	120	615	565	532	1100	20-M22	530	285
	500	130	670	620	585	1200	20-M22	530	389
	600	140	780	725	685	1450	20-M27	600	529
	700	165	895	840	800	1700	24-M27	600	790
	800	190	1010	950	905	2000	24-M30	680	-
	900	203	1110	1050	1005	2300	28-M30	680	-
1.6	50	50	160	125	99	285	4-M16	180	8.5
	65	50	185	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	405	355	310	630	12-M24	360	70
	300	80	460	410	375	780	12-M24	400	107
	350	90	520	470	435	885	16-M24	400	129
	400	100	580	525	485	990	16-M27	400	215
	450	120	640	585	545	1100	20-M27	530	305
	500	130	715	650	609	1200	20-M30	530	410
	600	140	840	770	720	1450	20-M33	600	550
	700	165	910	840	788	1700	24-M33	600	820
	800	190	1025	950	898	2000	24-M36	680	-
	900	203	1125	1050	988	2300	28-M36	680	-

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刀形闸阀 Knife gate valve



产品概要

该产品驱动部分采用多回转电动装置，用以驱动和控制阀门的开启和关闭，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、煤炭等行业的废水、渣浆处理与污水管道中，满足了现代化、农业的自动化的要求。

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
	壳体	密封		
1.0	1.5	1.1	橡胶≤80℃、120℃ (Y/H)≤425℃、PTFE≤180℃	空气、矿浆、污水、 煤浆、烟灰、渣水混和物
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，自动清除杂物。
- 2、不锈钢闸板可防止腐蚀引起的密封泄漏。
- 3、整体的不锈钢材质，可防止腐蚀破坏。
- 4、短结构长度，可节省原料，安装空间，也有效支持管道强度。
- 5、科学的上密封填料函设计，使上密封安全有效，经久耐用。
- 6、三角形的支架节省原材料，保证足够的力学性能。
- 7、不锈钢阀杆经久耐用。
- 8、可任意选用驱动机构。（为了操作方便可任意调整360° ）
- 9、刀型阀板可作为调节阀使用。
- 10、阀体上的导向块使闸板正确运动，挤压块保证阀板有效密封。
- 11、阀体加强筋设计提高阀体强度。



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刀形闸阀 Knife gate valve

主要零部件材质

体、盖	闸板	阀杆	密封面
不锈钢、碳钢、灰铸铁	碳钢、不锈钢 (等离子氮化、Hcr65)	不锈钢	橡胶、四氟、不锈钢、硬质合金

主要外形尺寸及连接尺寸

公称压力 PN(MPa)	公称通径 DN(mm)	L	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	180	145	145	120	120	4-M16	4-M16	180	320
	80	50	195	195	160	160	135	135	4-M16	8-M16	220	350
	100	50	215	215	180	180	155	155	8-M16	8-M16	240	370
	125	55	245	245	210	210	185	185	8-M16	8-M16	250	480
	150	60	280	280	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	460	470	428	436	16-M20	16-M22	400	960
	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	608	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	794	794	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，必须校对阀门型号连接尺寸，及注意介质流向，保证与要求一致；
- 2、用户在安装阀门时，必须预留阀门驱动的必要空间，如：驱动装置的接线须按线路图进行；
- 3、阀门必须定期保养，不得随意碰撞及挤压，以免影响密封；
- 4、对夹密封垫（止水带）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路是否有杂物，要清除干净；
- 6、开阀前阀杆螺母、阀杆等要刷上润滑油、机油，滑油后可升降轻松；
- 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。

截止阀系列 Globe valve series



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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。根据阀瓣的这种移动形式，阀座通口的变化是与阀瓣行程成正比例关系。由于该类阀门的阀杆开启或关闭行程相对较短，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例关系，非常适合于对流量的调节。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 trip 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有接触，因而它的密封面机械磨损很小，故其密封性能是很好的，缺点是密封面间可能会夹住流动介质中的颗粒。但是，如果把阀瓣做成钢球或瓷球，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容易修理或更换，而且在修理或更换密封元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。由于介质通过此类阀门时的流动方向发生了变化，因此截止阀的最小流阻也较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、出口通道的布局，这种状况是可以改善的。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，因此它很适用于需要频繁开关的场合。

Cut-off valve once from the closed position away, its seat and disc sealing surface between the is no longer in contact, so it's 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中。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，通常公称通径都限制在250mm 以下，也有到400mm 的，但选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所致。为了减小开启或关闭力矩，一般200mm 以上的截止阀都设内旁通或外旁通阀门。

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 choose 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.

截止阀最明显的优点是 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，因而耐磨。

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道直径的 $1/4$ ，因此比闸阀小得多。

The opening height is generally only $L/4$ of the valve seat channel diameter, so it is much smaller than the gate valve.

(3)通常在阀体和阀瓣上只有一个密封面，因而制造工艺性比较好，便于维修。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，特别是在液压装置中，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(-196~600℃)。

For nominal diameter DN15~400mm(NPS1/2~16"), Nominal pressure PN1.0~42.0MPa(Class150~2500), Operating temperature -320.8~1112° F (-196~600℃)。

设计制造标准ASME B16.15、ASME B16.34、API6A、BS51873、BS5160、BS5352、JPT-7S-36、JPT-7S-46、MSS-SP-42、JIS B 2071、JIS B 2072、JIS B 2081、JIS B 2082、GB/T12235、GB/T15382、JB/T7746等。

Design and manufacturing standards, ASME B16.15、ASME B16.34、API6A、BS51873、BS5160、BS5352、JPT-7S-36、JPT-7S-46、MSS-SP-42、JIS B 2071、JIS B 2072、JIS B 2081、JIS B 2082、GB/T12235、GB/T15382、JB/T7746 etc..

截止阀 Gate valve

产品主要参数 Main parameter of the products

基本型号 Basic model	(H、P、D)J11H、(H、P、D)J11Y、(H、P、D)J61H、(H、P、D)J61Y、(H、P、D)J41H、 (H、P、D)J41Y、(P、D)J9541H、(P、D)J541Y、(P、D)J941H、(P、D)J941Y、(P、D)J961H、(P、D)J961Y				
压力等级范围 Pressure range	PN1.0 ~ 42.0PMa(Class150 ~ 2500)				
通径范围 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 ~ 600 (PN6.3 ~ 11.0) 1/2 ~ 10" (DN15 ~ 250)	Class900 ~ 2500 (PN15.0 ~ 42.0) 1/2 ~ 8" (DN15 ~ 200)	2 ~ 16" (DN50 ~ 400)	1/2 ~ 16" (DN15 ~ 400)

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		常温试验压力(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	1.50	1.10	1.10	-196 ~ 600℃ -320.8 ~ 1112° F	水、油、蒸汽、 酸、碱、盐、 海水、黑水 腐蚀性和 低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance and low temperature medium
	1.6	2.40	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(Lb) Pound (Class)	32.0	48.00	35.20	35.20		
	150	3.00	2.20	2.20		
	300	7.50	5.50	5.50		
	400	9.45	6.93	6.93		
	600	16.50	12.10	12.10		
	800	21.00	15.40	15.40		
	900	22.50	16.50	16.50		
	1500	39.00	28.60	28.60		
	2500	63.00	46.20	46.20		

GB铸钢截止阀 GB cast steel globe valve

产品采用标准 Technical specification

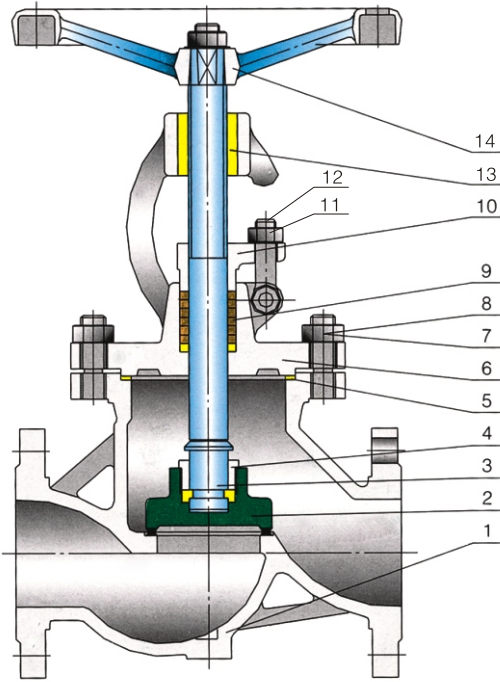
结构形式 Structural formation	栓接阀盖明杆支架结构 Boll-jointed bonnet outside stem yoke strcture
驱动方式 Driving manner	手动、电动 Hand-operated, Electric-driving
设计标准 Design standard	GB/T 12235
结构长度 Face to face	GB/T 12221
连接法兰 Flanged ends	GB/T9113、HG20592
试验和检验 Test&inspection	GB/T 13927、JB/T9092

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 sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

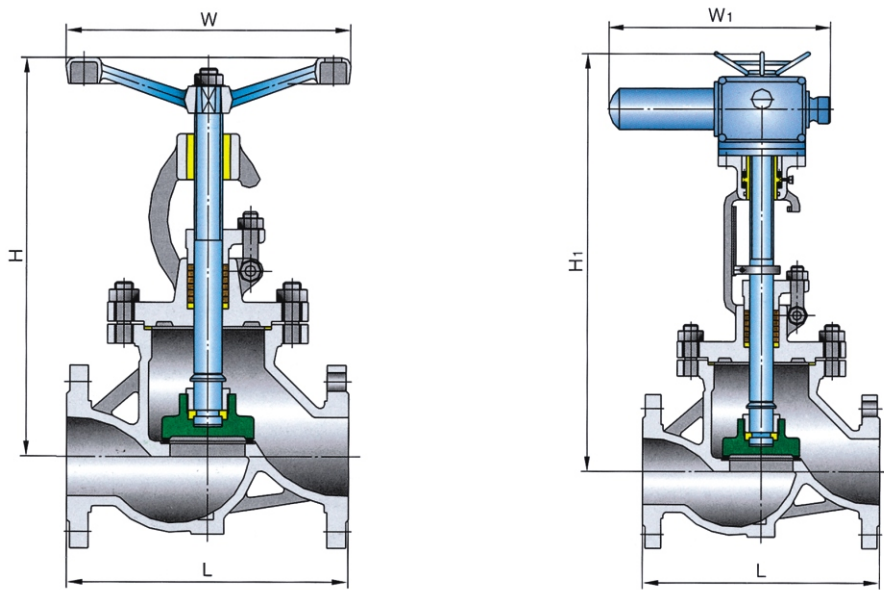


主要零件材料 Major parts material form

序号 No	零件名称 Part name	材质 Material
1	阀体 Body	WCB、LCB、LC3、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M、CF10M、4A、5A
2	阀瓣 Petal	WCB、LCB、LC3、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M、CF10M、4A、5A
3	阀杆 Stem	1Cr13、2Cr13、25Cr2MoVA、F304、F316、F347、F304L、F316L、F316H、F51、F53
4	阀瓣压套 Flap pressure sleeve	1Cr13、2Cr13、25Cr2MoVA、F304、F316、F347、F304L、F316L、F316H、F51、F53
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 Bonnet	WCB、LCB、LC3、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M、CF10M、4A、5A
7	体盖螺柱 Body cover stud	B7、B8、B16、L7、B7M、B8M、
8	体盖螺母 Body cover nut	2H、7、8、4
9	填料 Packing	碳纤维、夹不锈钢丝或蒙乃尔合金丝石墨编织、PTFE
10	填料压盖 Packing gland	WCB、LCB、C5、CF8、CF8M、CF10M、4A
11	螺母 Nut	2H、8、4
12	活节螺栓 Live bolt	B7、B8、B16、L7、B7M、B8M、
13	阀杆螺母 Stem nut	高镍铸铁、锰黄铜、1Cr13氮化
14	手轮 Handwheel	可锻铸铁、球墨铸铁



GB铸钢截止阀 GB cast steel globe valve

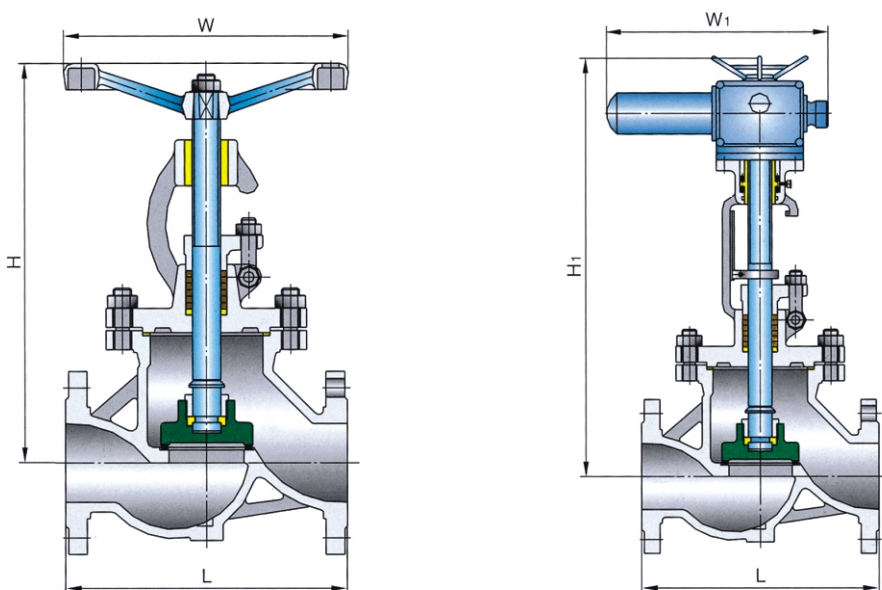


主要外形尺寸及重量Main size of outside & weight

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

传动方式Driving			手动Hand operated			电动Electric driving			
PN (MPa)	DN (mm)	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	7.5	—	—	—	—
	32	180	282	180	8.7	—	—	—	—
	40	200	332	200	12.4	—	—	—	—
	50	230	350	240	14	642	960	DZW10A	50
	65	290	405	280	22.5	695	960	DZW10A	62
	80	310	360	280	29.5	712	960	DZW10A	65
	100	350	412	320	34	772	960	DZW15A	73
	125	400	462	360	80	785	960	DZW20A	120
	150	480	510	400	95	812	960	DZW30A	212
	200	600	715	400	178	965	1325	DZW45A	325
	250	650	789	450	438	1138	1325	DZW60A	552
2.5	300	750	925	500	650	1285	1370	DZW90	783
	15	130	218	120	5.5	—	—	—	—
	20	150	260	140	7.4	—	—	—	—
	25	160	275	160	7.8	—	—	—	—
	32	180	282	180	8.7	—	—	—	—
	40	200	332	200	12.4	—	—	—	—
	50	230	350	240	15	642	960	DZW10A	52
	65	290	405	280	24.5	695	960	DZW10A	63
	80	310	360	280	31	712	960	DZW15A	68
	100	350	412	320	36	772	960	DZW20A	75
	125	400	462	360	88	785	960	DZW30A	122
	150	480	510	400	98	812	1325	DZW45A	215
	200	600	715	400	183	965	1325	DZW60A	327
	250	650	789	450	443	1138	1370	DZW90	555
	300	750	925	500	654	1285	1370	DZW120	786

GB铸钢截止阀 GB cast steel globe valve



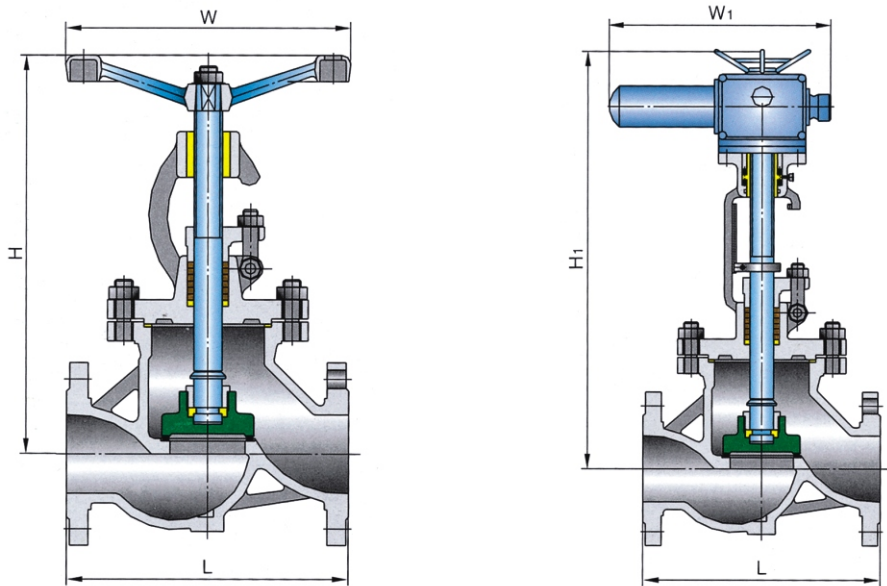
主要外形尺寸及重量Main size of outside & weight

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

传动方式Driving			手动Hand operated			电动Electric driving			
PN (MPa)	DN (mm)	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	24.6	695	960	DZW10A	78
	80	310	435	320	32	712	960	DZW20A	85
	100	350	482	360	40	772	960	DZW30A	105
	125	400	555	400	90	785	1325	DZW45A	205
	150	480	613	400	105	812	1325	DZW60A	228
	200	600	725	400	189	965	1370	DZW90	400
6.4	15	170	218	140	10.2	—	—	—	—
	20	190	260	160	13.5	—	—	—	—
	25	210	275	180	15	—	—	—	—
	32	230	325	200	20	—	—	—	—
	40	260	360	240	25	—	—	—	—
	50	300	410	280	36	710	960	DZW10A	65
	65	340	450	320	47	752	960	DZW15A	78
	80	380	485	360	55	785	960	DZW30A	85
	100	430	535	400	123	835	1325	DZW45A	173
	125	500	630	400	130	1030	1325	DZW60A	245
	150	556	650	450	155	1065	1370	DZW90	300
	200	650	810	500	285	1215	1370	DZW120	420

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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

传动方式Driving			手动Hand operated			电动Electric driving			
PN (MPa)	DN (mm)	L	H	W	重量 Weight (kg)	H ₁	W ₁	电动装置 Electric driving	重量 Weight (kg)
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	715	960	DZW20A	82
	65	340	455	280	49	760	960	DZW30A	105
	80	380	485	280	56	788	1325	DZW45A	178
	100	430	538	320	125	840	1325	DZW60A	195
	125	500	635	360	134	1032	1370	DZW90	288
16.0	150	550	650	400	158	1072	1370	DZW120	450
	200	650	812	400	288	1220	1395	DZW180	855
	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	250	53	745	960	DZW30A	95
	65	340	455	320	72	825	1325	DZW45A	165
	80	380	485	400	101	940	1370	DZW90	220
	100	430	540	450	120	1152	1370	DZW120	240
	125	500	—	—	—	1185	1435	DZW180	500
	150	550	—	—	—	1230	1435	DZW250	678
	200	650	—	—	—	1500	1785	DZW350	1125



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ANSI铸钢截止阀 ANSI cast steel globe valve

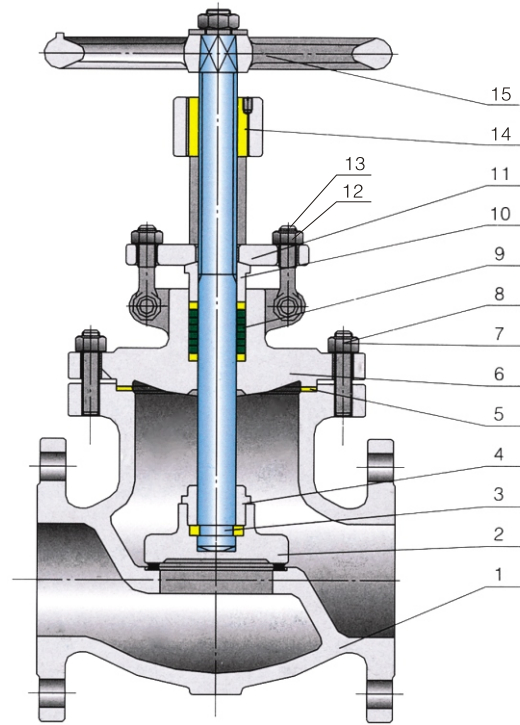
产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构 Bolt-jointed bonnet outside stem yoke strcture
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	ASME B16.34、BS 1873
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	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 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 A216-WCB ASTM A217-WC1、WC6、WC9、C5 ASTM A352-LCB、LC3 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M、CF10M ASTM A995-4A、ASTM A890-5A
2	阀瓣 Petal	ASTM A216-WCB ASTM A217-WC1、WC6、WC9、C5 ASTM A352-LCB、LC3 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M、CF10M ASTM A995-4A、ASTM A890-5A
3	阀杆 Stem	ASTM A182-F6a、F304、F316、F347、F304L、F316L、F316H、F51、F53
4	阀瓣压套 Flap pressure sleeve	ASTM A182-F6a、F304、F316、F347、F304L、F316L、F316H、F51、F53
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 Bonnet	ASTM A216-WCB ASTM A217-WC1、WC6、WC9、C5 ASTM A352-LCB、LC3 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M、CF10M ASTM A995-4A、ASTM A890-5A
7	体盖螺柱 Body cover stud	ASTM A193-B7、B16、B7M、B8、ASTM A320-L7、B8M
8	体盖螺母 Body cover nut	ASTM A194-2H、7、8、4
9	填料 Packing	碳纤维、夹不锈钢丝或蒙乃尔合金丝、石墨编织、PTEF
10	填料压套 Packing - sleeve	ASTM A182-1Cr13、2Cr13、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 A995-4A
12	螺母 Nut	ASTM A194-2H、7、8、4
13	活节螺栓 Live bolt	ASTM A193-B7、B16、B7M、B8、ASTM A320-L7、B8M
14	阀杆螺母 Stem nut	高镍铸铁、锰黄铜、F6a氮化
15	手轮 Handwheel	可锻铸铁、球墨铸铁

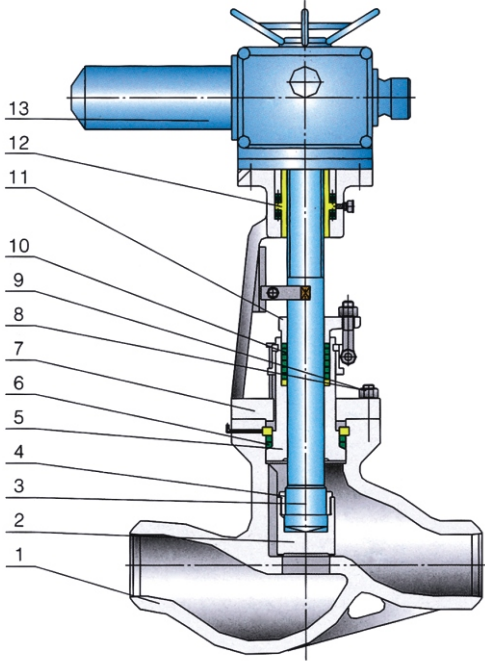


ANSI自紧密封(PS)阀盖铸钢截止阀 ANSI Self sealing (PS) bonnet cast steel globe valve

产品采用标准 Technical specification

结构形式 Structural formation	自紧密封(PS)阀盖明杆支架结构 Pressure sealed(PS)bonnet outside stem and yoke
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
结构长度 Face to face	ASME B16.10
连接法兰 Flanged ends	ASME B16.5
对焊端 Butt-welding ends	ASME B16.25
试验和检验 Test&inspection	API598、BS6755

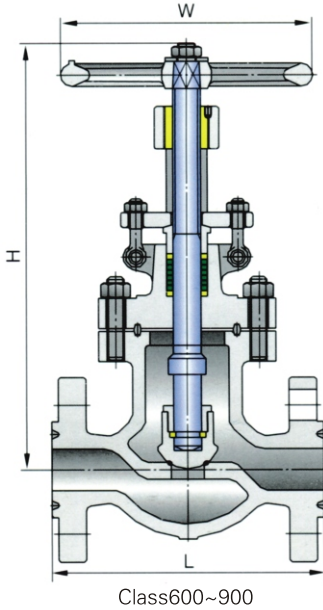
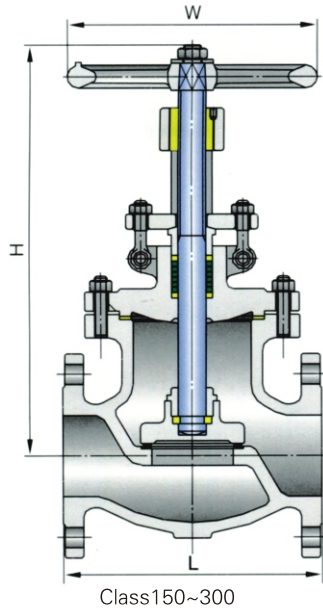
注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。
Note:The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement



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 A216-WCB、 ASTM217-WC1、WC6、WC9、WC5 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣Disc	ASTM A182.F6a、ASTM A182 F22 ASTM A182-F304、F316、F321、F304L、F316L
3	阀杆Stem	ASTM A182.F6a、ASTM A182 F22 ASTM A182-F304、F316、F321、F304L、F316L
4	阀瓣盖Flat cover	ASTM A182.F6a、ASTM A182 F22 ASTM A182-F304、F316、F321、F304L、F316L
5	阀盖Bonnet	ASTM A182.F6a、ASTM A182 F22 ASTM A182-F304、F316、F321、F304L、F316L
6	密封圈 Sealing ring	柔性石墨+不锈钢 Graphite&stainless steel
7	支架 Yoke	ASTM A216-WCB、ASTM217-WC1、WC6、WC9、WC5 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
8	双头螺柱Stud	ASTM A193-B7、A193-B8、A193-B16、A320-B8M
9	六角螺母 Hexagon nuts	ASTM A194-2H、A194-8、A194-8M、A194-4
10	填料 Packing	柔性石墨 Graphite
11	填料压盖 Packing gland	ASTM A216-WCB、ASTM A351-CF8M、CF8M、CF8C、CF3、CF3M
12	阀杆螺母 Valve stem nut	铜合金、球墨铸铁 Copper alloy、ductile iron
13	传动装置 Driving	齿轮传动、电动等 Gear,Electric

ANSI铸钢截止阀 ANSI cast steel globe valve



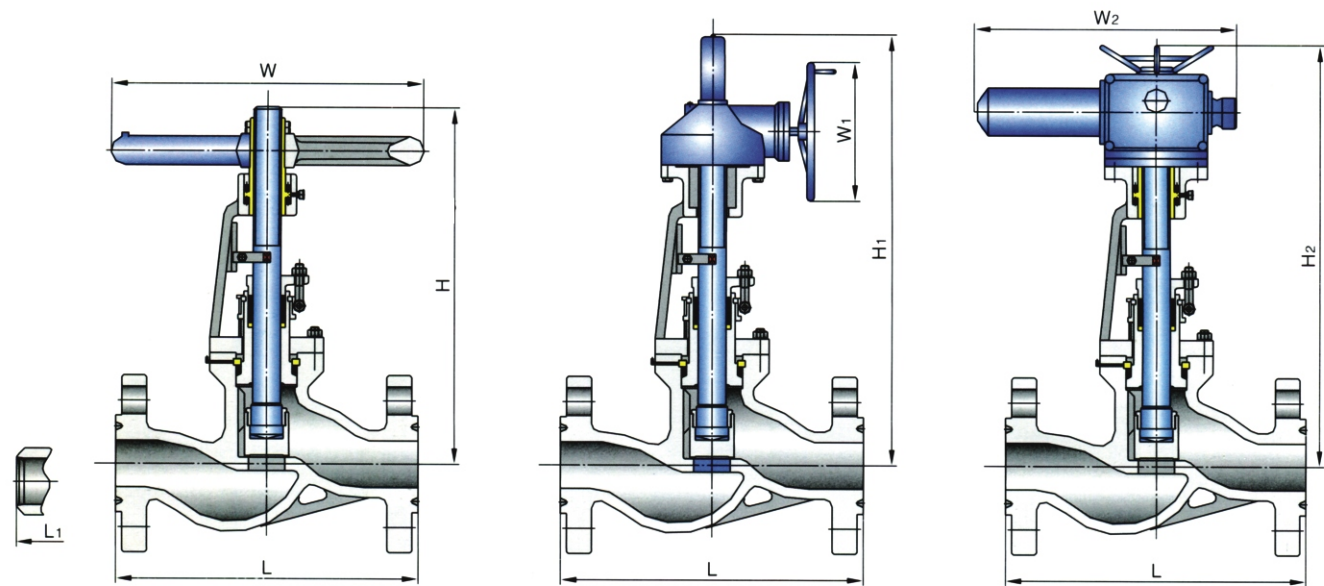
主要外形尺寸及重量Main size of outside & weight
型号Model: J41H、J41Y

Class	DN (mm)	NPS (in)	尺寸Dimenxions(mm)			重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸Dimenxions(mm)			重量 Weight (kg)
			L	H	W					L	H	W	
150	15	1/ 2	108	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	283	160	—
	32	1 1/ 4	140	280	160	—		32	1 1/ 4	216	320	200	—
	40	1 1/ 2	165	286	160	—		40	1 1/ 2	229	322	200	—
	50	2	203	368	200	18		50	2	267	399	200	25
	65	2 1/ 2	216	387	200	30		65	2 1/ 2	292	438	250	30
	80	3	241	400	250	36		80	3	318	450	280	52
	100	4	292	457	250	55		100	4	356	584	355	88
	150	6	406	609	355	104		150	6	444	660	450	160
	200	8	495	698	450	200		200	8	559	762	450	259
	250	10	622	762	450	300		250	10	622	850	500	420
	300	12	698	876	500	390		300	12	711	1085	500	595
	350	14	787	990	600	610		350	14	762	1187	600	876
	400	16	914	1104	600	880		400	16	864	1450	600	1010

Class	DN (mm)	NPS (in)	尺寸Dimenxions(mm)			重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸Dimenxions(mm)			重量 Weight (kg)
			L	H	W					L	H	W	
600	50	2	295	430	180	35	900	50	2	372	569	320	65
	65	2 1/ 2	334	480	250	50		65	2 1/ 2	442	569	320	75
	80	3	359	508	250	90		80	3	384	635	350	120
	100	4	435	635	350	150		100	4	461	774	450	200
	150	6	562	914	450	300		150	6	613	1040	600	410
	200	8	664	1016	500	510		200	8	740	1330	720	790
	250	10	791	1219	600	850		250	10	842	1560	760	1300

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ANSI自紧密封(PS)阀盖铸钢截止阀 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)J561H、(Ps)J561Y、(Ps)J961H、(Ps)J961Y

传动方式Driving					手动方式Hand operated			齿轮动Gear operated				电动Electric driving			
Class	DN (mm)	NPS (in)	法兰 Flange	对焊 Bull-welded	H	W	重量 Weight (kg)	H ₁	W ₁	齿轮装置 Gear device	重量 Weight (kg)	H ₂	W ₂	转矩 Torque (NM)	重量 Weight (kg)
			L	L ₁											
900	50	2	371	368	470	350	110	—	—	—	—	—	—	—	—
	65	2 1/2	422	419	560	400	130	—	—	—	—	—	—	—	—
	80	3	384	381	685	400	140	—	—	—	—	—	—	—	—
	100	4	460	457	830	500	230	880	460	BA-1	250	880	809	900	382
	150	6	613	610	—	—	—	1135	460	BA-1	500	1135	809	1200	635
	200	8	740	737	—	—	—	1495	610	BA-2	900	1495	863	1800	1155
	250	10	841	838	—	—	—	1960	610	BA-2	1200	1960	863	2000	1455
1500	50	2	371	368	535	400	130	—	—	—	—	—	—	—	—
	65	2 1/2	422	419	670	500	175	—	—	—	—	—	—	—	—
	80	3	473	470	838	500	245	—	—	—	—	—	—	—	—
	100	4	549	546	1193	560	350	990	460	BA-1	370	880	809	1200	505
	150	6	711	704	—	—	—	1280	610	BA-2	720	1135	863	1800	855
	200	8	841	831	—	—	—	1615	610	BA-2	1370	1495	863	2500	1628
	250	10	1000	990	—	—	—	2170	610	BA-2	1675	1960	863	2500	1933
2500	50	2	454	451	650	500	180	—	—	—	—	—	—	—	—
	65	2 1/2	514	508	840	560	250	—	—	—	—	—	—	—	—
	80	3	584	578	990	600	350	—	—	—	—	—	—	—	—
	100	4	683	673	1210	680	580	1090	610	BA-2	615	1090	863	1800	870
	150	6	927	814	—	—	—	1470	610	BA-2	990	1470	863	2500	1248
	200	8	1038	1022	—	—	—	1735	610	BA-2	1620	1735	960	3000	2050

注：对焊连接阀门尺寸可根据用户要求选配。

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锻钢截止阀 Forged steel globe valve

产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构(压力密封) Bolt-jointed bonnet outside stem yoke strcture(Pressure sealed)
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602、BS 5352
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	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 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

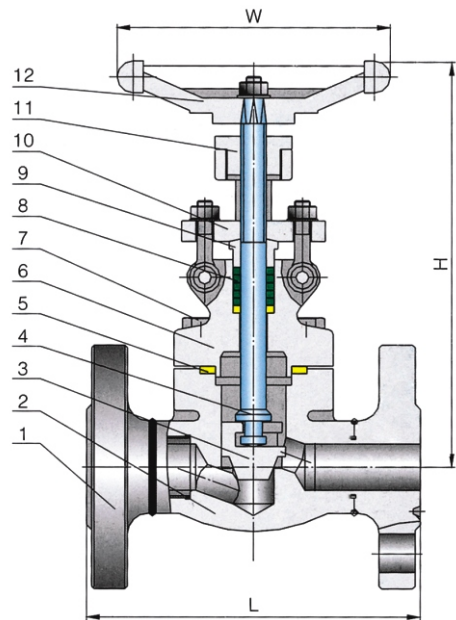
序号 No	零件名称 Part name	材质 Material
1	法兰Flange	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
2	阀体Body	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3	阀瓣Disc	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
	阀杆Stem	ASTM A182Gr.F6a、ASTM A182F22 ASTM A182-F304、F316、F321、F304L、F316L
5	垫片Gasket	柔性石墨+不锈钢Graphite & stainless steel
6	阀盖Bonnet	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
7	螺栓Bolt	ASTMA193-B7、A230-B8、 A193-B8M、A193-B16
8	填料Packing	柔性石墨Graphite
9	填料压套 Stuffing cover	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
10	填料压板 Gland	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
11	阀杆螺母 Valve stem nut	铜合金、渗氮钢 Copper alloy、Nitrided steel
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)J41H、(Hs、Ps)J41Y

Class		150					300					600				
DN (mm)	NPS (in)	尺寸Dimensions(mm)				重量 Weight (kg)	尺寸Dimensions(mm)				重量 Weight (kg)	尺寸Dimensions(mm)				重量 Weight (kg)
		L(RF)	L(RTJ)	H①	W		L(RF)	L(RTJ)	H①	W		L(RF)	L(RTJ)	H①	W	
15	1/2	108	119	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	4.8	178	191	170	100	5.3	190.5	190.5	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	216	229	225	160	11.3	229	229	225	160	12.5
40	1 1/2	165	178	254	160	12	228.5	241	254	160	16.5	241	241	254	160	18.4
50	2	203	216	292	180	15	266.5	282	292	180	18.2	292	295	292	180	20

注：①H为阀门全开时的高度。Note:H represents the height in full opening condition of valve.



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锻钢截止阀 Forged steel globe valve

产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖明杆支架结构(压力密封) Bolt-jointed bonnet outside stem yoke strcture(Pressure sealed)
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602、BS 5352
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Scket welded ends	ASME B16.11
试验和检验 Test&inspection	API598、BS6755

注：阀门连接螺纹及承接焊端尺寸可根据用户要求设计制造。
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 A182-F304、F316、F321、F304L、F316L
	阀瓣Disc	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3	阀杆Stem	ASTM A182.F6a、ASTM A182F22 ASTM A182-F304、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 A182-F304、F316、F321、F304L、F316L
6	螺栓Bolt	ASTMA193-B7、A230-B8、 A193-B8M、A193-B16
7	填料Packing	柔性石墨Graphite
8	填料压套 Stuffing cover	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
9	填料压板 Gland	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
10	阀杆螺母 Valve stem nut	铜合金、渗氮钢 Copper alloy、Nitrided 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)J61H、(Hs、Ps)J61Y

Class				800				1500			
DN				尺寸Dimensions(mm)			重量 Weight (kg)	尺寸Dimensions(mm)			重量 Weight (kg)
缩径Reduce bore		全径 Full bore		L	H①	W		L	H①	W	
mm	in	mm	in								
15	1/ 2	10	3/8	80	170	100	1.9	111	205	125	4.5
20	3/ 4	15	1/ 2	92	170	100	2.1	111	205	125	4.3
25	1	20	3/ 4	111	205	125	3.2	130	240	160	6.8
32	1 1/ 4	25	1	120	225	160	6.9	150	258	160	8.5
40	1 1/ 2	32	1 1/ 4	120	254	160	6.9	172	290	160	12.6
50	2	40	1 1/ 2	140	292	180	10.4	220	336	180	19.2
		50	2	178	330	240	15.8	230	428	234	30

注：①H 为阀门全开时的高度。Note:H represents the height in full opening condition of valve.

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锻钢截止阀 Forged steel globe valve

产品采用标准 Technical specification

结构形式 Structural formation	焊接阀盖、自紧密封、明杆支架结构 Bolt-jointed bonnet outside stem yoke strcture(Pressure sealed)
驱动方式 Driving manner	手动 Hand-operated
设计标准 Design standard	API602、BS 5352
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Scket welded ends	ASME B16.11
试验和检验 Test&inspection	API598、BS6755

注：阀门连接焊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 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 A182-F304、F316、F321、F304L、F316L
2	阀瓣Disc	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3	阀杆Stem	ASTM A182Gr.F6a、ASTM A182F22 ASTM A182-F304、F316、F321、F304L、F316L
4	阀盖Bonnet	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
5	填料Packing	柔性石墨Graphite
6	填料压套 Stuffing cover	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
7	填料压板 Gland	ASTM A105、ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
8	阀杆螺母 Valve stem nut	铜合金、渗氮钢 Copper alloy、Nitrided steel
9	手轮Handwheel	ASTM A47-32510
	六角螺母 Hexagon nut	ASTM A194-2H、4、8、8M
11	活塞螺柱 Hinged bolt	ASTM A193-B7、B16、B8、B8M

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

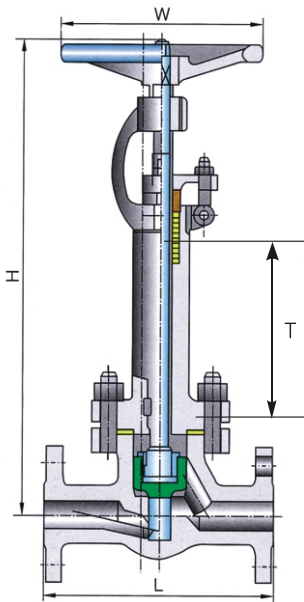
型号Model: (Hs、Ps)J11H、(Hs、Ps)J11Y、(Hs、Ps)J61H、(Hs、Ps)J61Y

Class	DN(mm)		NPS(in)		尺寸Dimensions(mm)			重量 Weight (kg)
	缩径Reduce bore	全径 Full bore	缩径Reduce bore	全径 Full bore	L	H①	W	
2500	15	10	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	8.0
	32	25	1 1/ 4	1	180	287	160	13.2
	40	32	1 1/ 2	1 1/ 4	180	290	180	12.8
	50	40	2	1 1 / 2	210	362	200	19.8
		50		2	230	420	240	30

注：①为阀门全开时的高度。Note:Hrepresents the height in full opening condition of valve.

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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 6364、MSS SP-134
结构长度 Face to face	ASME B16.10、BSEN558
加长颈长度 Extend-necked length	按温度确定
压力温度基准 Pressure-temp	ASME B16.34
试验和检验 Test&inspection	API598、MSS SP-134、BS6364
主体材料 Body material	LCB、CF8、CF8M、CF3、CF3M
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用户要求设计制造。
Note:1.The sizes of valve connecting flange and butt-welding terminas
can be designed according to customer's requirement
2. 低温加长颈高度T，按不同温度介质或用户要求确定。
2.Low temperature long neck height T, 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		1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	10	12
	DN		15	20	25	40	50	65	80	100	150	200	250	300
H	L		108	117	127	165	203	216	241	292	406	495	622	698
		-46℃	405	405	425	460	526	555	582	622	740	820	1020	1280
	W	-101℃	405	405	425	460	586	620	655	690	820	900	1050	1310
		-196℃	405	405	425	460	586	620	655	690	820	900	1080	1340
			150	150	180	200	250	250	300	300	820.3	400	550	600
Wt (Kg)		-46℃	6	11	14	28	29.5	35	40	70.5	119	200	269	350
		-101℃	7	12	15	30	31	39	47	72	122	204	275	357
		-196℃	8	13	17	31	33	41	48	74	125	208	280	478

Class 300

规格	NPS		1/2	3/4	1	1 1/2	2	2 1/2	3	4	6	8	12	10
	DN		15	20	25	40	50	65	80	100	150	200	250	300
H	L		152	178	230	229	267	292	318	356	445	559	622	711
		-46℃	405	405	425	460	536	565	592	652	790	900	1030	1290
	W	-101℃	405	405	425	460	596	630	662	722	870	980	1060	1320
		-196℃	405	405	425	460	596	630	662	722	870	980	1090	1350
			150	150	180	200	250	250	300	300	450	450	600	650
Wt (Kg)		-46℃	10	17	19	27	42.5	55	66	106	183	345	468	770
		-101℃	13	18	21	29	43.5	56	67	107	184	347	470	772
		-196℃	14	20	23	31	44.5	57	69	165	186	351	475	780

Class 600

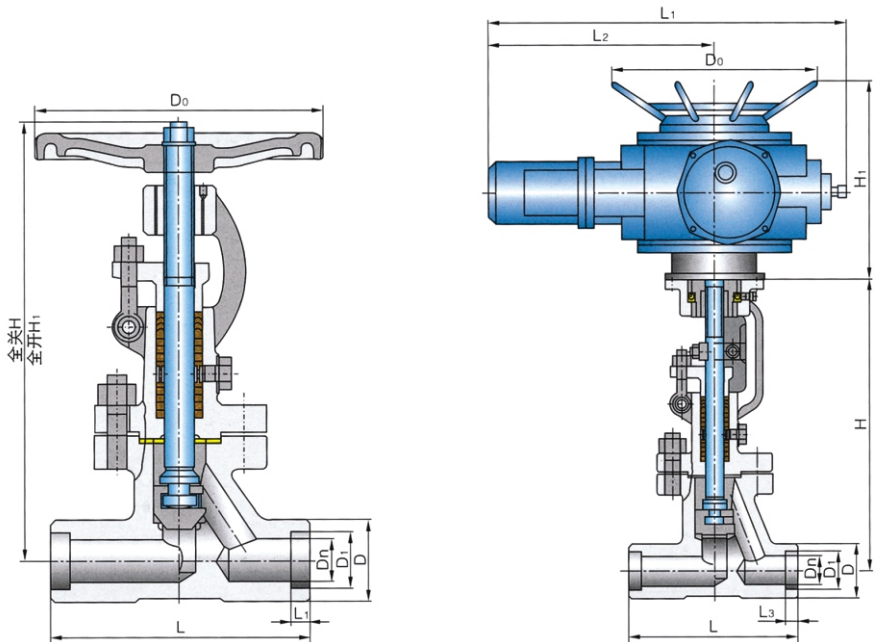
规格	NPS		1/ 2	3/ 4	1	1 1/ 2	2	2 1/ 2	3	4	6	8	10
	DN		15	20	25	40	50	65	80	100	150	200	250
H	L		165	191	216	241	292	330	356	432	559	660	787
		-46℃	405	405	425	460	615	660	700	765	980	1480	1680
	W	-101℃	405	405	425	460	615	660	700	765	980	1480	1710
		-196℃	405	405	425	460	655	700	740	805	1030	1530	1740
			150	150	180	200	250	250	400	400	550	600	750
Wt (Kg)		-46℃	16	18	20	31	46	65	84	145	313	418	980
		-101℃	17	19	21	35	47	67	86	148	320	426	1000
		-196℃	18	20	23	37	48	68	88	151	327	435	1020



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真空隔离截止阀 Vacuum isolate globe valve

NKJ16H-^{16C}₂₅⁴⁰₆₄¹⁰⁰ NKJ61Y-¹⁶₂₅⁴⁰₆₄¹⁰⁰ NKJ61Y-¹⁶₂₅⁴⁰₆₄¹⁰⁰ P NKJ61Y-¹⁶₂₅⁴⁰₆₄¹⁰⁰ R



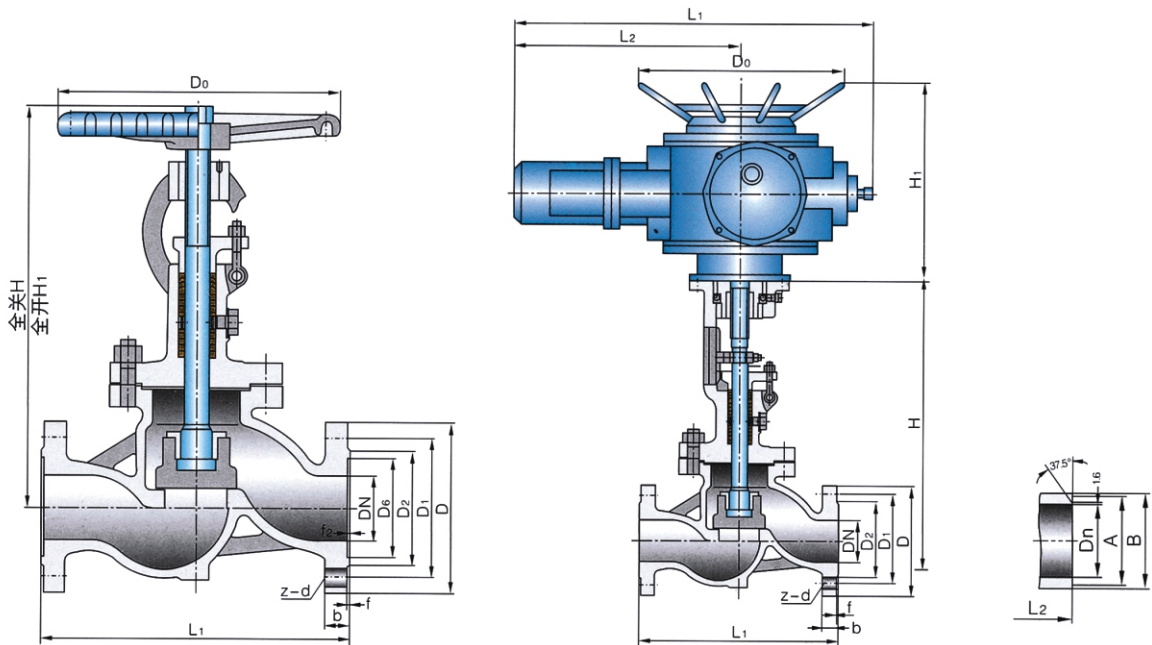
主要外形尺寸及重量Main size of outside & weight

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸 (mm)								重量(Kg)
		L	D	Dn	D1	L1	H	H1	D0	
1.6	10	130	36	9	15	9	245	255	120	6.5
	15	130	36	12	19	10	245	260	120	7
	20	150	44	19	26	11	265	285	140	7.8
	25	160	44	26	33	13	270	293	160	8.5
	32	180	60	30	39	14	270	300	180	12
2.5	10	130	36	9	15	9	245	255	120	6.5
	15	130	36	12	19	10	245	260	120	7
	20	150	44	19	26	11	265	285	140	7.8
	25	160	44	26	33	13	270	293	160	8.5
	32	180	60	30	39	14	270	300	180	12
4.0	10	130	36	9	15	9	245	255	120	6.5
	15	130	36	12	19	10	245	260	120	7
	20	150	44	19	26	11	265	285	140	7.8
	25	160	44	26	33	13	270	295	160	8.5
	32	180	60	30	39	14	270	300	180	12
6.4	10	130	36	9	15	9	245	255	120	6.5
	15	130	36	12	19	10	245	260	140	7
	20	150	44	19	26	11	270	290	160	7.8
	25	160	44	26	33	13	290	315	180	8.5
	32	180	60	30	39	14	330	360	200	13
10.0	10	130	36	9	15	9	245	255	120	7
	15	130	36	12	19	10	245	260	140	7.6
	20	150	44	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	330	360	200	16

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真空隔离截止阀 Vacuum isolate globe valve

NKJ⁴¹₆₁H-¹⁶₂₅ NKJ⁴¹₆₁Y-¹⁶₂₅ NKJ⁴¹₆₁Y-¹⁶₂₅P NKJ⁴¹₆₁Y-¹⁶₂₅R



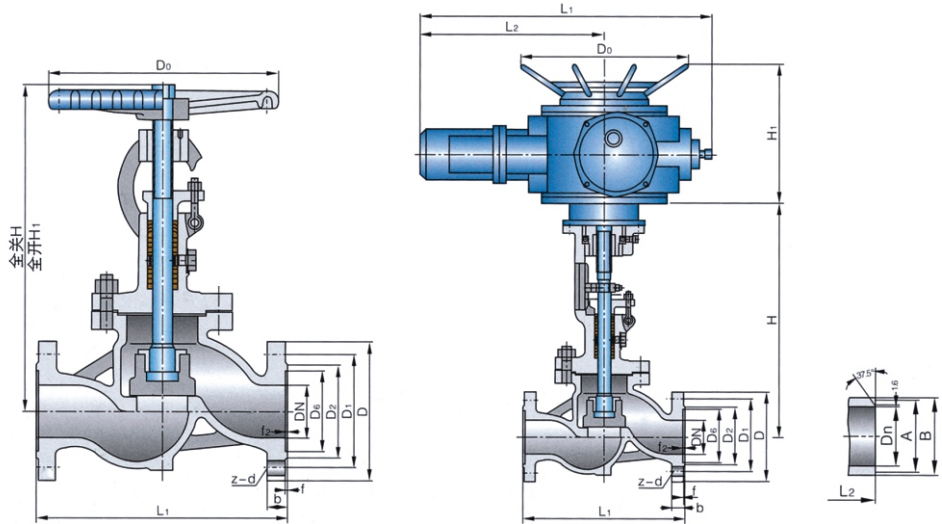
主要外形尺寸及重量Main size of outside & weight

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸 (mm)														重量(Kg)	
		L ₁	L ₂	D	D ₁	D ₂	b	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
1.6	15	130	140	95	65	45	14	2	4-14	12	18	36	245	260	120	7	6.5
	20	150	152	105	75	55	14	2	4-14	18	25	44	265	285	140	8	7.5
	25	160	165	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	285	300	180	12	11
	40	200	203	145	110	85	16	3	4-18	38	45	55	300	330	200	18	17
	50	230	229	160	125	100	16	3	4-18	49	57	64	355	390	240	25	23
	65	290	279	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	38
	100	350	368	215	180	155	20	3	8-18	96	108	117	470	520	320	58	54
	125	400		245	210	185	22	3	8-18	121	133	144	500	555	360	80	75
2.5	15	130	152	95	65	45	16	2	4-14	12	18	36	245	260	120	7	6.5
	20	150	178	105	75	55	16	2	4-14	18	25	44	265	285	140	8	7.5
	25	160	203	115	85	65	16	2	4-14	25	32	44	270	295	160	10	9.5
	32	180	216	135	100	78	18	2	4-18	31	38	48	285	315	180	11	10.5
	40	200	229	145	110	85	18	3	4-18	38	45	55	300	330	200	18	17
	50	230	267	160	125	100	20	3	4-18	49	57	64	355	390	240	25	23
	65	290	292	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	46
	100	350	356	230	190	160	24	3	8-23	96	108	117	470	520	320	65	59
	125	400	400	270	220	188	28	3	8-25	121	133	144	500	555	360	100	90

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真空隔离截止阀 Vacuum isolate globe valve

NKJ⁴¹₆₁H-⁴⁰₁₀₀ NKJ⁴¹₆₁Y-⁴⁰₁₀₀ NKJ⁴¹₆₁Y-⁴⁰₁₀₀P NKJ⁴¹₆₁Y-⁴⁰₁₀₀R



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

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸 (mm)																重量(Kg)	
		L ₁	L ₂	D	D ₁	D ₂	D ₆	b	f ₂	f	z-d	D _n	A	B	H	H ₁	D ₀	R F	BW
4.0	15	130	152	95	65	45	40	16	4	2	4-14	12	18	36	245	260	120	7	6.5
	20	150	178	105	75	55	51	16	4	2	4-14	18	25	44	255	285	140	8	7.5
	25	160	203	115	85	65	58	16	4	2	4-14	25	32	44	270	295	160	10	9.5
	32	180	216	135	100	78	66	18	4	2	4-18	31	38	48	285	300	180	12	11
	40	200	229	145	110	85	76	18	4	3	4-18	38	45	55	300	340	200	20	18
	50	230	267	160	125	100	88	20	4	3	4-18	49	57	64	355	390	240	27	25
	65	290	292	180	145	120	110	22	4	3	8-18	66	73	82	410	455	280	38	35
	80	310	318	195	160	135	121	22	4	3	8-18	78	89	94	425	470	320	52	46
	100	350	356	230	190	160	150	24	4.5	3	8-23	96	108	117	470	530	360	68	58
	125	400	400	270	220	188	176	28	4.5	3	8-25	120	133	144	500	570	400	104	94
6.4	15	170	165	105	75	55	40	18	4	2	4-14	12	18	44	245	260	140	7	6.5
	20	190	190	125	90	68	51	20	4	2	4-18	18	25	44	270	290	160	8	7.5
	25	210	216	135	100	78	58	22	4	2	4-18	25	32	48	290	315	180	10	9.5
	32	230	229	150	110	82	66	24	4	2	4-23	31	38	50	330	360	200	15	14
	40	260	241	165	125	95	76	24	4	3	4-23	37	45	55	375	405	240	30	27
	50	300	292	175	135	105	88	26	4	3	4-23	47	57	66	405	440	280	48	42
	65	340	330	200	160	130	110	28	4	3	8-23	64	73	82	435	465	320	65	59
	80	380	356	210	170	140	121	30	4	3	8-23	77	89	96	470	515	360	92	82
	100	430	406	250	200	168	150	32	4.5	3	8-25	94	108	117	540	590	400	125	108
	125	500	457	295	240	202	176	36	4.5	3	8-30	118	133	150	720	795	400	153	130
10.0	15	170	165	105	55	55	40	20	4	2	4-14	12	18	44	245	260	140	7	6.5
	20	190	190	125	68	68	51	22	4	2	4-18	18	25	48	270	290	160	9	8.5
	25	210	216	135	78	78	58	24	4	2	4-18	25	32	48	290	315	180	13.5	13
	32	230	229	150	82	82	66	24	4	2	4-23	31	38	55	330	360	200	25	23
	40	260	241	165	95	95	76	26	4	3	4-23	37	45	60	375	405	240	30	27
	50	300	292	195	112	112	88	28	4	3	4-25	45	57	66	405	440	280	50	44
	65	340	330	220	138	138	110	32	4	3	8-25	62	73	90	435	465	320	70	60
	80	380	356	230	148	148	121	34	4	3	8-25	75	89	96	470	515	400	95	82
	100	430	432	265	172	172	150	38	4.5	3	8-30	92	108	117	540	590	450	130	115
	125	500	508	310	210	210	176	42	4.5	3	8-34	112	133	150	720	795	500	160	135
150	550	559	350	250	250	204	46	4.5	3	12-34	136	159	175	840	920	550	310	260	

止回阀系列 Check valve series



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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的作用是防止高压水回流对水泵叶轮的冲击。系统在运行中由于某种原因，水泵突然停止运转时，泵内压力消失，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，它会立即关闭，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 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管很可能烫伤管道，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

适合公称规格DN15 ~ 1200mm(NPS1/2 ~ 48"), 公称压力PN1.0 ~ 42.0MPa(Class150 ~ 2500), 工作温度-320.8 ~ 1112° F (-196 ~ 600℃)。

For nominal diameter DN15 ~ 1200mm(NPS1/2 ~ 48"), Nominal pressure PN1.0 ~ 42.0MPa(Class150 ~ 2500), Operating temperature -320.8 ~ 1112° F (-196 ~ 600℃)。

设计制造标准ASME B16.24、ASME B16.34、API6D、API594、BS1868、BS1873、BS5160、BS5352、JPT-7S-36、ISO 14313、MSS-SP-42、JIS B 2071、JIS B 2074、JIS B 2084、GB/T12235、GB/T12236、JB/T7746、JB/T8937等。

Design and manufacturing standards, ASME B16.24、ASME B16.34、API6D、API594、BS1868、BS1873、BS5160、BS5352、JPT-7S-36、ISO 14313、MSS-SP-42、JIS B 2071、JIS B 2074、JIS B 2084、GB/T12235、GB/T12236、JB/T7746、JB/T8937 etc..

产品主要参数 Main parameter of the products

基本型号 Basic model	(P、D)H11H(Y)、(P、D)H61H(Y)、(P、D)H41H(Y)、(P、D)H14H(Y)、(P、D)H64H(Y)、(P、D)H44H(Y)、H42H(Y)、H71H(Y)、H76H(Y)		
压力等级范围 Pressure range	PN1.0 ~ 42.0MPa(Class150 ~ 2500)		
通径范围 Path range	DN15 ~ 1200mm(NPS1/2 ~ 48")		

注：P-自压密封、D-低温

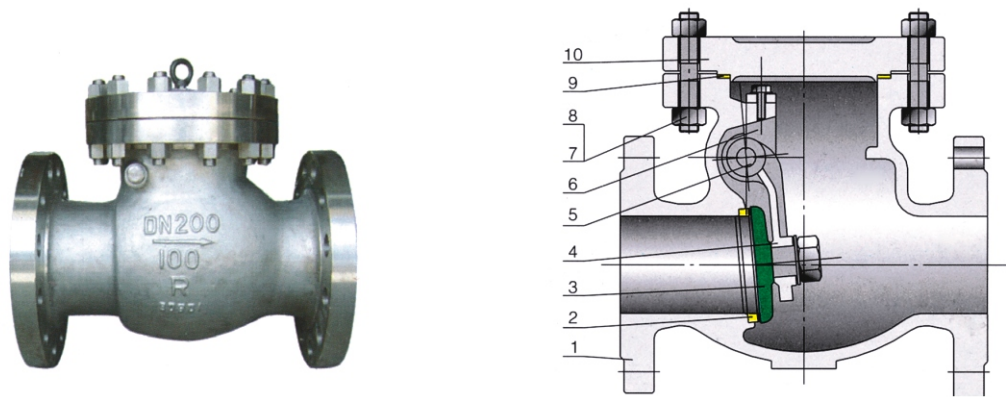
产品性能规范Product performance specification

压力等级 Pressure class		常温试验压力(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			
公称压力 Nominal pressure (MPa)	1.0	1.50	1.10	-196 ~ 600℃	水、油、蒸汽、酸、碱、盐、海水、黑水腐蚀性和低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance and low temperature medium	
	1.6	2.40	1.76			
	2.5	3.75	2.75			
	4.0	6.00	4.40			
	6.4	9.6	7.04	-320.8 ~ 1112° F		
	10.0	15.00	11.00			
	16.0	24.00	17.60			
	25.0	37.50	27.50			
32.0	48.00	35.20				

压力等级 Pressure class		常温试验压力(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			
磅级(Lb) Pound (Class)	150	3.00	2.20	-196 ~ 600℃	水、油、蒸汽、酸、碱、盐、海水、黑水腐蚀性和低温介质 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	16.50	12.10			
	800	21.00	15.40	-320.8 ~ 1112° F		
	900	22.50	16.50			
	1500	39.00	28.60			
	2500	63.00	46.20			

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旋启式止回阀 Swing check valve



产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖旋启式止回阀 Bolt-jointed 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 20592 HG/T 20615	ASME B16.5
试验和检验 Test&inspection	GB/T 13927、JB/T 9092	API598 API6D 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 sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

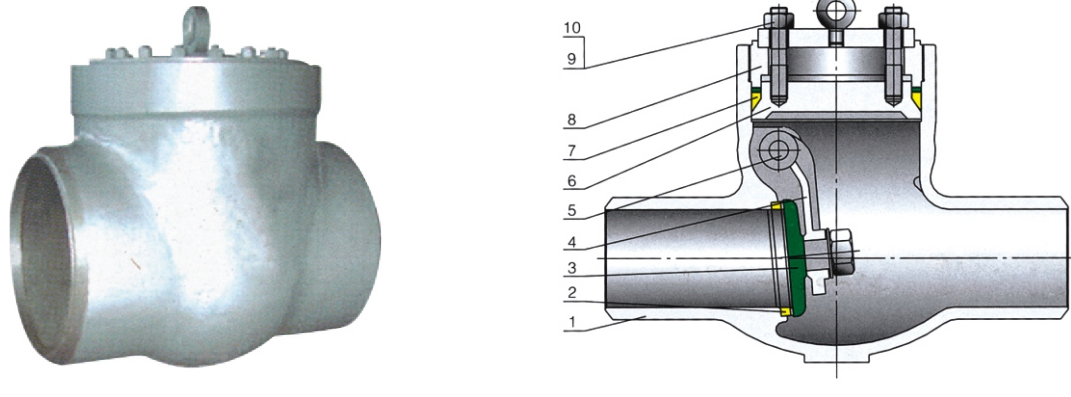
主要零件材料Major parts material form

序号 No	零件名称 Part name	材质Material	
		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	阀瓣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.F6a、F22、F304、F316、F321、F304L、F316L
6	连接架Join the shelf	WCB、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M
7	双头螺柱Stud	35CrMoA、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



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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
对焊端 Butt-welding ends	GB/T 12224	ASME B16.25
试验和检验 Test&inspection	GB/T 13927、JB/T 9092	API598 API6D BS6755

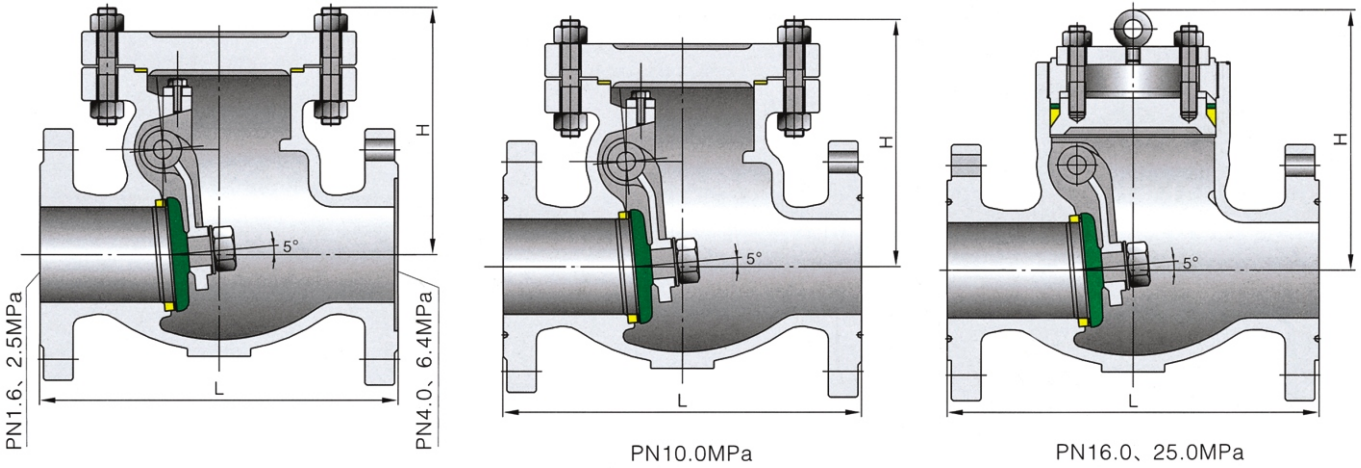
注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。
Note:The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

主要零件材料Major parts material form

序号 No	零件名称 Part name	材质Material	
		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	阀瓣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、1Cr18Ni9Ti、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.F6a、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、1Cr18Ni9Ti、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	双头螺柱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

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国标旋启式止回阀 GB Swing check valve

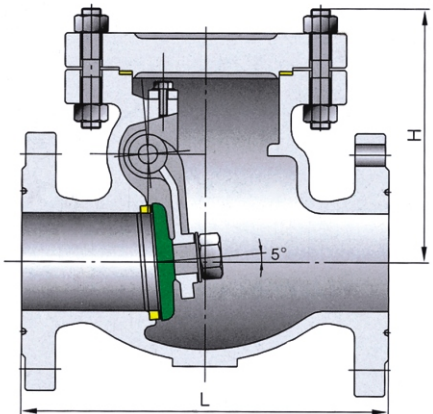
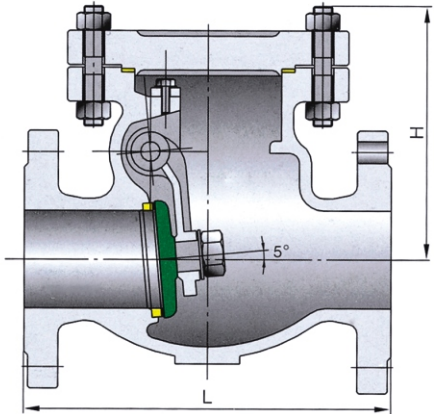


主要外形尺寸及重量Main size of outside & weight
型号Model:H44H、H44Y

PN (MPa)	DN (mm)	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	H				L	H				L	H	
1.6	50	230	165	23	4.0	50	230	180	27	10.0	50	300	195	43
	65	290	180	28		65	290	195	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	365	220
	200	600	295	96		200	600	352	140		200	650	425	345
	250	730	337	175		250	730	413	200		250	775	486	475
	300	850	386	265		300	850	432	392	16.0	50	300	255	52
	350	980	430	364		350	980	455	396		65	340	285	62
	400	1100	475	495		400	1100	562	502		80	380	324	113
2.5	500	1250	565	590		500	1250	620	645		100	430	359	165
	50	230	180	25	6.4	50	300	195	32		150	550	433	270
	65	290	195	32		65	340	213	45	25.0	200	650	478	324
	80	310	195	35		80	380	213	50		250	775	520	375
	100	350	220	55		100	430	240	75		50	368	315	65
	150	480	273	104		150	550	302	158		65	419	348	79
	200	600	352	138		200	650	362	220		80	470	386	95
	250	730	413	198		250	775	410	346		100	546	410	172
	300	850	432	388		300	900	468	476		150	705	565	275
	350	980	455	390		350	1025	520	630		200	832	320	325
	400	1100	562	498		400	1150	572	886		250	991	676	395
	500	1250	620	643		500	1400	625	1030					

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美标旋启式止回阀 ANSI Swing check valve



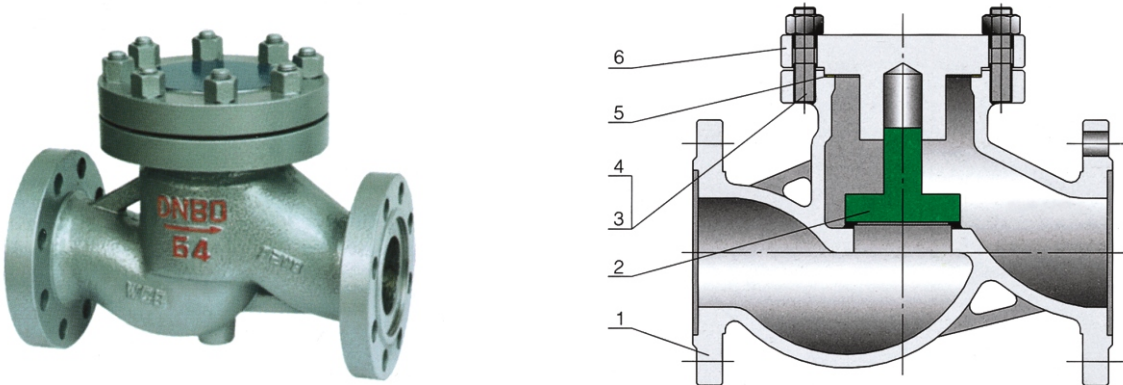
主要外形尺寸及重量Main size of outside & weight
型号Model:H44H、H44Y

Class	DN (mm)	NPS (in)	尺寸Dimensions (mm)		重量 Weight (kg)
			L	H	
150	50	2	203	165	17
	65	2 1/2	216	182	26
	80	3	241	195	32
	100	4	292	208	45
	150	6	356	260	75
	200	8	495	295	135
	250	10	622	350	200
	300	12	699	405	275
	350	14	787	446	385
	400	16	864	493	442
	450	18	978	515	630
	500	20	978	540	760

Class	DN (mm)	NPS (in)	尺寸Dimensions (mm)		重量 Weight (kg)
			L	H	
300	50	2	267	175	22
	65	2 1/2	292	186	24
	80	3	318	212	38
	100	4	356	238	52
	150	6	445	302	86
	200	8	533	362	165
	250	10	622	392	204
	300	12	711	440	278
	350	14	838	460	402
	400	16	864	530	545
600	450	18	978	582	683
	500	20	1016	615	862
	50	2	295	200	32
	65	2 1/2	333	219	42
	80	3	359	232	61
	100	4	435	282	112
	150	6	562	330	205
	200	8	664	378	385
	250	10	791	452	575
	300	12	841	575	775
	350	14	892	590	982
	400	16	994	635	1056

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升降式止回阀 Piston-lift type check valve



产品采用标准 Technical specification

结构形式 Structural formation	螺柱阀盖升降式止回阀 Spiral shell's post bonnet lifting type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12235	API6D BS1868
结构长度 Face to face	GB/T 12221	ASMEB16.10
连接法兰 Flanged ends	GB/T 9113 HG/T 20592	ASME B16.5
试验和检验 Test&inspection	GB/T 13927、JB/T 9092	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 sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

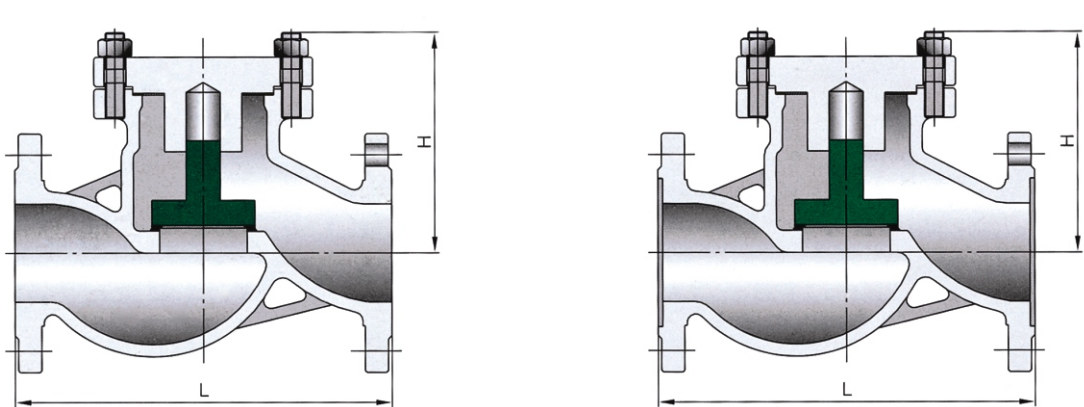
主要零件材料Major parts material form

序号 No	零件名称 Part name	材质Material	
		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	阀瓣Disc	WCB、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M
3	双头螺柱Stud	35CrMoA、25Cr2Mov、0Cr18Ni9、0Cr17Ni12Mo2	A193-B7、A320-B8、A193-B8M、A193-B16
4	六角螺母Six angle nuts	45、35CrMoA、25Cr2Mov、0Cr18Ni9、0Cr17Ni12Mo2	A194-2H、A194-8、A194-8M、A194-4
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	WCB、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5、CF8、CF8M、CF8C、CF3、CF3M



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



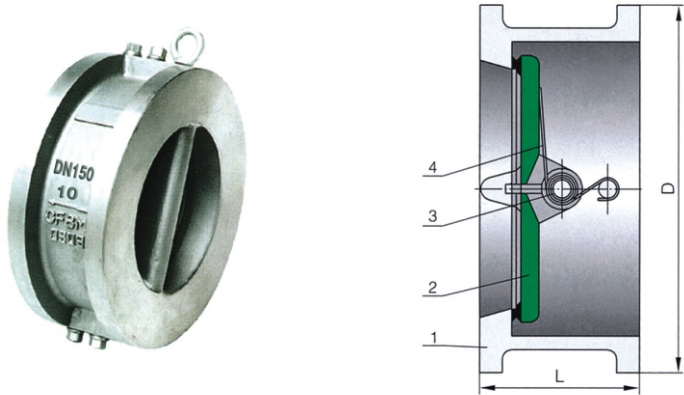
主要外形尺寸及重量Main size of outside & weight
型号Model:H44H、H44Y

Class	DN (mm)	尺寸Dimensions (mm)		重量 Weight (kg)
		L	H	
1.6	50	230	115	20
	65	290	140	24
	80	310	175	30
	100	350	203	42
	125	400	228	59
	150	480	250	84
	200	600	285	100
2.5	50	230	115	21
	65	290	140	25
	80	310	175	31
	100	350	203	42
	125	400	228	60
	150	480	250	86
	200	600	285	102
4.0	50	230	150	17
	65	290	160	22
	80	310	178	34
	100	350	203	42
	125	400	228	75
	150	480	265	105
	200	600	317	150

Class	DN (mm)	尺寸Dimensions (mm)		重量 Weight (kg)
		L	H	
6.4	50	300	175	30
	65	340	190	36
	80	380	208	48
	100	430	230	70
	125	500	265	102
	150	550	312	145
	200	650	353	198
10.0	50	300	175	30
	65	340	193	43
	80	380	238	65
	100	430	269	89
	125	500	313	102
	150	550	355	123
	200	650	403	148
16.0	50	300	175	32
	65	340	193	46
	80	380	238	240
	100	430	269	273

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国标对夹式双瓣旋启式止回阀 GB wafer type double disc swing check valve



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/T9113、HG20592、HG20615
试验和检验 Test&inspection	GB/T13927、JB/T9092

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 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	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	销轴Pivot	1Cr13、2Cr13、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti、0Cr18Ni9
4	弹簧Spring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti、Inconel x-750

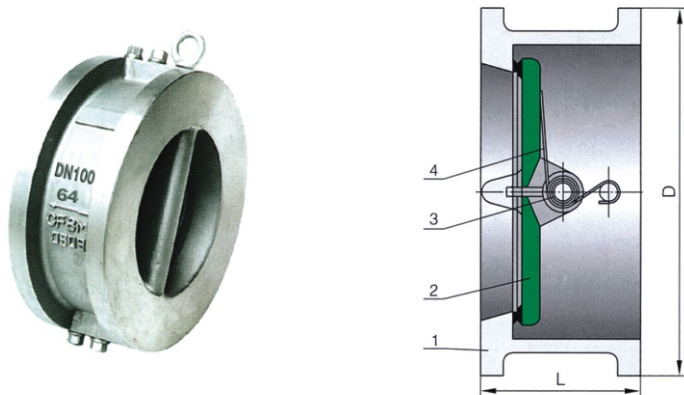
主要外形尺寸及重量Main size of outside & weight

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	60	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	98	220	11.5		150	98	220	11.5		150	98	227	12.5
	200	127	275	20.2		200	127	275	20.2		200	127	287	23
	250	146	330	31		250	146	332	32		250	146	343	40
	300	181	380	48.2		300	181	387	51		300	181	403	55
	350	184	440	72.5		350	184	447	73		350	184	460	82
	400	190	492	104.5		400	190	498	108		400	191	518	118
	450	203	542	151		450	203	558	160		450	203	568	212
	500	219	597	180		500	219	620	200		500	219	624	240
	600	222	698	300		600	222	734	320		600	222	734	412

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国标对夹式双瓣旋启式止回阀 GB wafer type double disc swing check valve



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/T9113、HG20592、HG20615
试验和检验 Test&inspection	GB/T13927、JB/T9092

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 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	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	销轴Pivot	1Cr13、2Cr13、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti、0Cr18Ni9
4	弹簧Spring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti、Inconel x-750

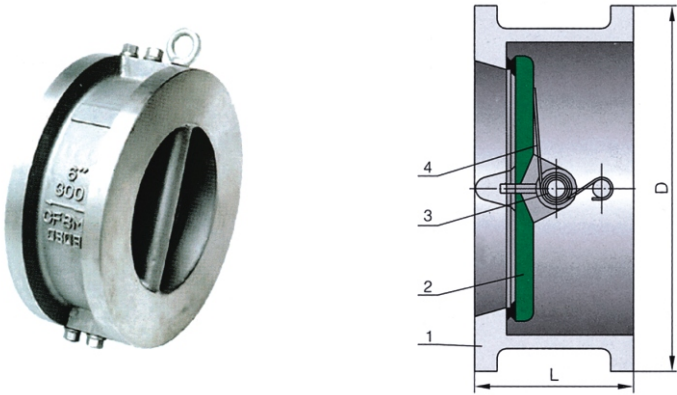
主要外形尺寸及重量Main size of outside & weight

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	
4.0	50	60	109	3.5	6.4	50	60	115	3.5	10.0	50	60	122	4
	65	67	129	5		65	67	140	5		65	67	147	6
	80	73	144	7.2		80	73	150	7.2		80	73	157	8
	100	73	170	9.3		100	79	177	12		100	79	183	12
	125	86	197	16		125	86	197	16		125	105	220	21
	150	98	227	18		150	98	227	18		150	137	260	34
	200	127	293	30	16.0	200	127	293	30	16.0	200	161	324	48
	250	146	355	52		250	146	355	52		250	213	394	77
	300	181	420	87		300	181	420	87		300	229	458	112
	350	222	478	121		350	222	478	121		350	229	458	112
	400	232	549	162		400	232	549	162		350	229	458	112
											50	70	143	7
											65	83	163	10
											80	83	178	15
											100	102	210	25
											125	110	249	30
											150	159	282	43
											200	206	358	55

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美标对夹式双瓣旋启式止回阀 API wafer type double disc swing check valve



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 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 A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、FC3M
2	阀瓣Disc	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、FC3M
3	销轴Pivot	ASTM A182.F6a、ASTM A182F22、ASTM A182-F304、F316、F321、F304L、F316L
4	弹簧Spring	AISI 9260、AISI6150、ASTM A182-F304、F316、F321、F304L、F316L、Inconl x-750

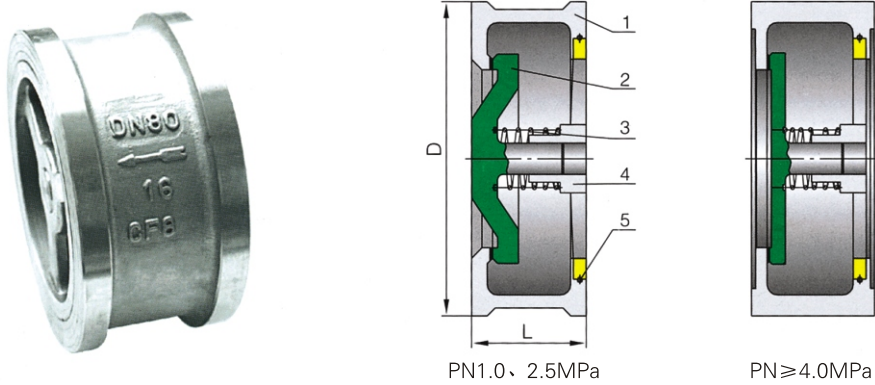
主要外形尺寸及重量Main size of outside & weight

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	2	300	50	2	60	110	3.5	600	50	2	60	110	3.5
	65	2 1/2	67	122			65	2 1/2	67	129	5		65	2 1/2	67	129	5
	80	3	73	135	4		80	3	73	148	7		80	3	73	148	7
	100	4	73	173	6		100	4	73	248	7		100	4	73	248	7
	125	5	86	196	9		125	5	86	215	18.5		125	5	86	215	18.5
	150	6	98	222	12		150	6	98	250	19		150	6	98	250	19
	200	8	127	279	22		200	8	127	307	33		200	8	127	307	33
	250	10	146	339	38		250	10	146	361	54		250	10	146	361	54
	300	12	181	409	54		300	12	181	422	88		300	12	181	422	88
	350	14	184	450	80		350	14	222	485	128		350	14	222	485	128
	400	16	191	514	118		400	16	232	539	169		400	16	232	539	169
	450	18	203	549	210							900	450	18	203	549	210
	500	20	219	606	240								500	20	219	606	240
	600	24	222	717	410								600	24	222	717	410
	50	2	60	103	2		50	2	60	110	3.5		50	2	60	110	3.5
	65	2 1/2	67	122			65	2 1/2	67	129	5		65	2 1/2	67	129	5
	80	3	73	135	4		80	3	73	148	7		80	3	73	148	7
	100	4	73	173	6		100	4	73	248	7		100	4	73	248	7
	125	5	86	196	9		125	5	86	215	18.5		125	5	86	215	18.5
	150	6	98	222	12		150	6	98	250	19		150	6	98	250	19
	200	8	127	279	22		200	8	127	307	33		200	8	127	307	33
	250	10	146	339	38		250	10	146	361	54		250	10	146	361	54
	300	12	181	409	54		300	12	181	422	88		300	12	181	422	88
	350	14	184	450	80		350	14	222	485	128		350	14	222	485	128
	400	16	191	514	118		400	16	232	539	169		400	16	232	539	169
	450	18	203	549	210								450	18	203	549	210
	500	20	219	606	240								500	20	219	606	240
	600	24	222	717	410								600	24	222	717	410

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国标对夹式双瓣旋启式止回阀 GB wafer type piston-lift check valve



产品采用标准 Technical specification

结构形式 Structural formation	对夹升降立式止回阀Butt-clamped lifting vertical type check valve
设计标准 Design standard	JB/T 8937
结构长度 Face to face	GB/T 12221
连接法兰面 Flanged ends	GB/T9113、HG20592、HG20615
试验和检验 Test&inspection	GB/T13927、JB/T9092

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 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	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	弹簧Spring	4Cr13、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

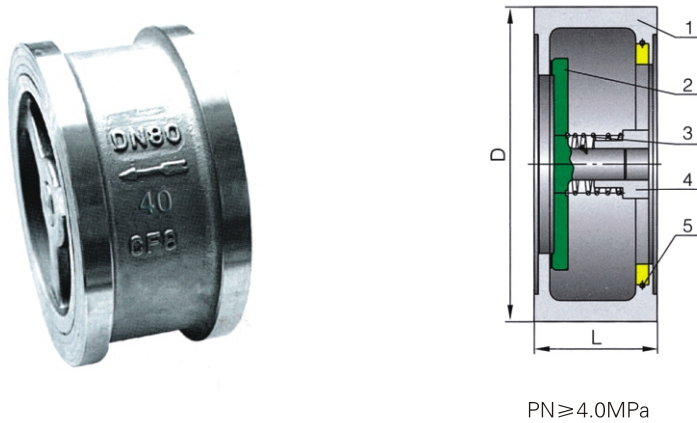
主要外形尺寸及重量Main size of outside & weight

型号Model:H72H、H72Y

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	15	16	53	0.15	2.5	15	16	53	0.2	4.0	15	25	63	0.3
	20	19	63	0.25		20	19	63	0.3		20	31.5	74	0.4
	25	22	73	0.4		25	22	73	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	65	46	129	2.0	2.5	65	46	129	2.3	4.0	65	63	140	3.2
	80	50	144	2.6		80	50	144	3.0		80	71	150	7.2
	100	60	164	5.7		100	60	170	7.0		100	80	177	11
	125	90	194	10		125	90	197	12		125	110	213	18
	150	106	220	13		150	106	220	13		150	125	250	22

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



产品采用标准 Technical specification

结构形式 Structural formation	对夹升降立式止回阀Butt-clamped lifting vertical type check valve
设计标准 Design standard	JB/T 8937
结构长度 Face to face	GB/T 12221
连接法兰 Flanged ends	GB/T9113、HG20592、HG20615
试验和检验 Test&inspection	GB/T13927、JB/T9092

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 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	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	弹簧Spring	4Cr13、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

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

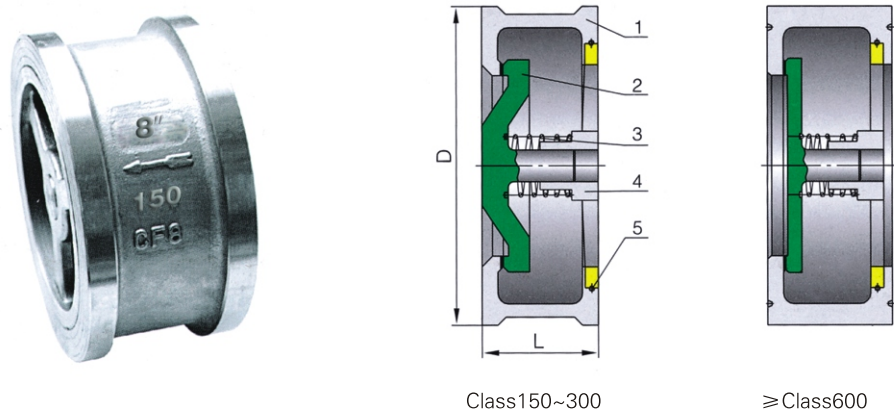
型号Model:H72H、H72Y

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	
6.4	15	25	63	0.3	10.0	15	25	63	0.3	16.0	15	25	59	0.3
	20	31.5	74	0.4		20	31.5	74	0.4		20	31.5	70	0.4
	25	35.5	84	0.6		25	35.5	84	0.6		25	35.5	80	0.6
	32	40	90	1.0		32	40	90	1.0		32	40	93	1.0
	40	45	105	1.5		40	45	105	1.5		40	45	101	1.5
	50	56	115	2.0		50	56	122	2.2		50	56	143	2.2
	65	63	140	3.2		65	63	147	3.5		65	63	163	3.5
	80	71	150	7.2		80	71	157	7.5		80	71	178	7.5
	100	80	177	11		100	80	183	12		100	80	210	12
	125	110	213	18		125	110	220	18		125	110	249	19
	150	125	250	22		150	125	260	24		150	125	282	24



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



产品采用标准 Technical specification

结构形式 Structural formation	对夹升降立式止回阀Wafer lifting vertical type check valve
设计标准 Design standard	API 594
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	API 598

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 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 A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、FC3M
2	阀瓣Disc	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、FC3M
3	弹簧Spring	AISI 9260、AISI6150、ASTM A182-F304、F316、F321、F304L、F316L、Inconl x-750
4	压板Plate	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、FC3M
5	挡圈Lock ring	AISI 9260、AISI6150、ASTM A182-F304、F316、F321、F304L、F316L

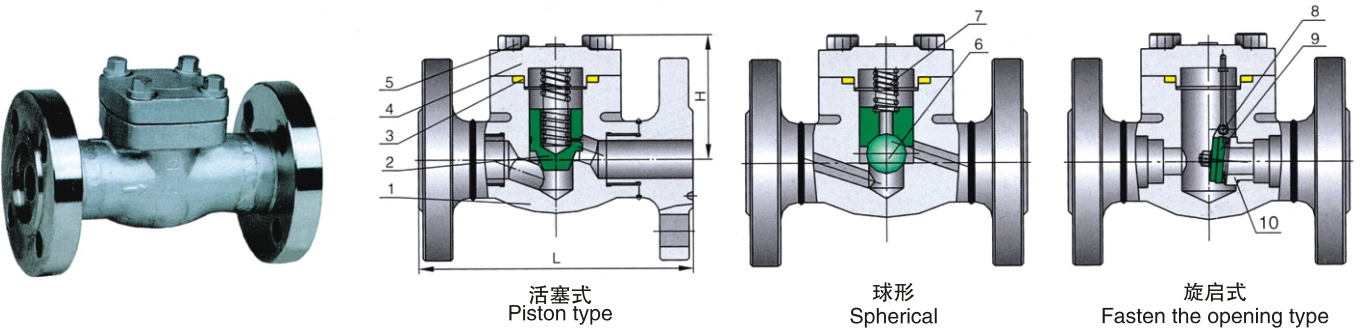
主要外形尺寸及重量Main size of outside & weight

型号Model:H72H、H72Y

Class		150			300			600			900		
DN (mm)	NPS (in)	尺寸Dimensions(mm)		重量 Weight (kg)	尺寸Dimensions(mm)		重量 Weight (kg)	尺寸Dimensions(mm)		重量 Weight (kg)	尺寸Dimensions(mm)		重量 Weight (kg)
		L	D		L	D		L	D		L	D	
15	1/ 2	16	47	0.2	25	53	0.23	25	53	0.25	25	63	0.3
20	3/ 4	19	57	0.3	31.5	65	0.36	31.5	65	0.38	31.5	69	0.4
25	1	22	66	0.45	35.5	72	0.52	35.5	72	0.55	35.5	78	0.6
32	1 1/ 4	28	75	0.6	40	81	0.75	40	81	0.8	40	88	1.0
40	1 1/ 2	31.5	85	0.8	45	95	1.1	45	95	1.2	45	98	1.5
50	2	40	103	1.2	56	110	1.95	56	110	2.0	56	142	2.5
65	2 1/ 2	46	122	2.3	63	129	2.9	63	129	2.0	63	164	4.0
80	3	50	135	3.0	71	148	5.5	71	148	6.0	71	167	8.0
100	4	60	173	7.0	80	180	9.0	80	192	10	80	205	13
125	5	90	196	12	110	215	15	110	240	17	110	247	20
150	6	106	222	15	125	250	20	125	265	22	125	288	25

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锻钢止回阀 Forged steel check valve



产品采用标准 Technical specification

结构形式Structural formation	栓接阀盖升降式、栓接阀盖旋启式止回阀 Bolt-jointed bonnet lifting type, bolt-jointed bonnet swing type check valve
设计标准Design standard	API602、BS5352
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Scket welded ends	ASME B16.11
试验和检验Test&inspection	API598、BS 6755

注：阀门连接法兰及焊端尺寸可根据用户要求设计制造。
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、ASTMA182-F11、F22、F5、F9、ASTMA182-F304、F316、F321、F304L、F316L
2	阀瓣Disc	ASTM A105、ASTMA182-F11、F22、F5、F9、ASTMA182-F304、F316、F321、F304L、F316L
3	弹簧Spring	柔性石墨+不锈钢Graphite & Stainless steel
4	阀盖Bonnet	ASTM A105、ASTMA182-F11、F22、F5、F9、ASTMA182-F304、F316、F321、F304L、F316L
5	螺栓Bolt	ASTM A193-B7、A320-B8、A193-B8M
6	球Ball	ASTM A105、ASTMA182-F11、F22、F5、F9、ASTMA182-F304、F316、F321、F304L、F316L
7	弹簧Spring	AISI 9260、AISI6150、ASTMA182-F304、F316、F321、F304L、F316L、Inconl x-750
8	摇杆Rocker	ASTM A182.F6a、ASTM A182F22、ASTMA182-F304、F316、F321、F304L、F316L
9	销轴Pivot	ASTM A105、ASTMA182-F11、F22、F5、F9、ASTMA182-F304、F316、F321、F304L、F316L
10	阀座Seat	ASTM A105、ASTMA182-F11、F22、F5、F9、ASTMA182-F304、F316、F321、F304L、F316L

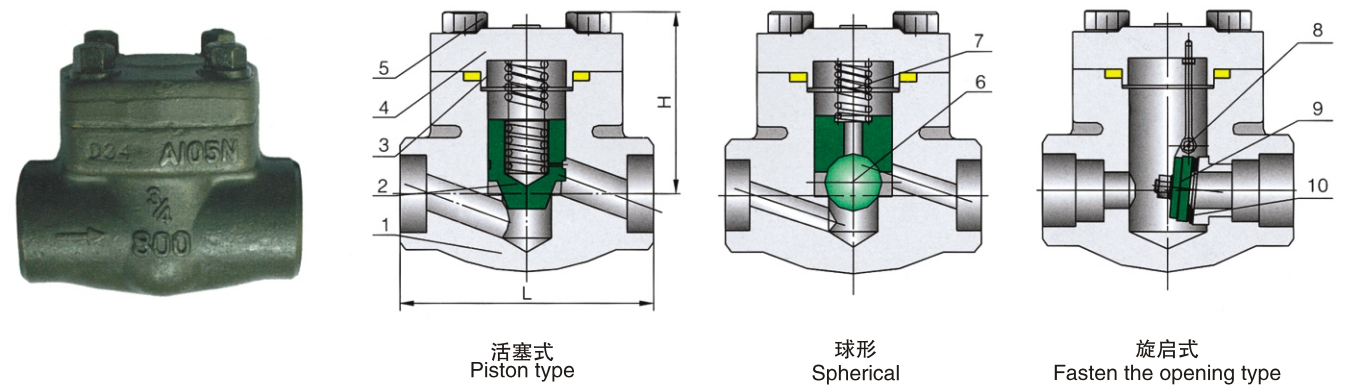
主要外形尺寸及重量Main size of outside & weight

型号Model:H41H、H41Y、H44H、H44Y

Class		150				300				600			
DN (mm)	NPS (in)	尺寸Dimensions(mm)			重量Weight (kg)	尺寸Dimensions(mm)			重量Weight (kg)	尺寸Dimensions(mm)			重量Weight (kg)
		L(RF)	L(RTJ)	H		L(RF)	L(RTJ)	H		L(RF)	L(RTJ)	H	
15	1/2	108	119	60	2.5(2.5)	152.5	163.5	60	2.5(2.7)	165	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(4.1)
25	1	127	140	76	4.8(4.4)	203	216	76	5.0(4.8)	216	216	76	5.2(5.8)
32	1 1/4	140	153	85	7.0(8.2)	216	229	85	7.5(8.8)	229	229	85	7.7(9.5)
40	1 1/2	165	178	103	7.5(8.9)	228.5	241	103	7.9(9.8)	241	241	103	9.3(10.0)
50	2	203	216	118	11.0(12.5)	266.5	282	118	11.6(13.5)	292	295	118	13.2(15.5)

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锻钢止回阀 Forged steel check valve

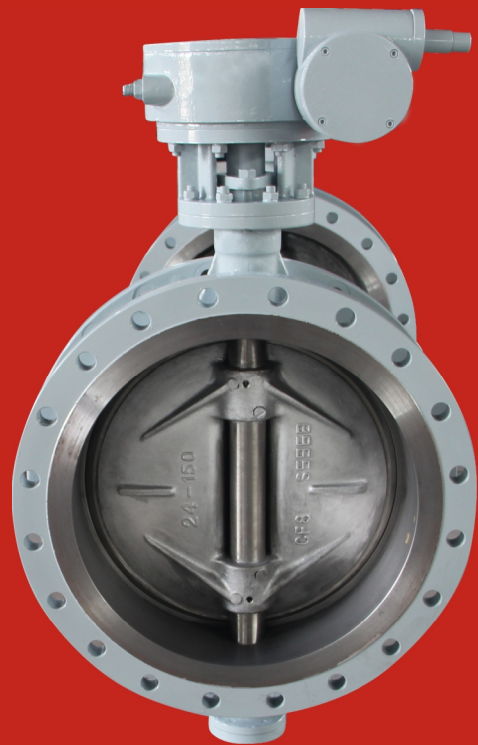


主要外形尺寸及重量Main size of outside & weight

型号Model:H61H、H61Y、H64H、H64Y

Class	DN(mm)		NPS(in)		尺寸Dimensions(mm)		重量Weight (kg)
	缩径Reduced bore	全径Full bore	缩径Reduced bore	全径Full bore	L	H	
800 (旋启式) Piston type	15	10	1/ 2	3/8	80	61	1.0
	20	15	3/ 4	1/ 2	92	61	1.1
	25	20	1	3/ 4	111	78	1.8
	32	25	1 1/ 4	1	120	85	3.2
	40	32	1 1/ 2	1 1/ 4	120	103	4.5
	50	40	2	1 1/ 2	140	119	7.3
		50		2	170	132	9.8
800 (活塞式、球形) Piston type & spherical	15	10	1/ 2	3/8	80	61	1.2
	20	15	3/ 4	1/ 2	92	61	1.4
	25	20	1	3/ 4	111	78	2.5
	32	25	1 1/ 4	1	120	85	3.9
	40	32	1 1/ 2	1 1/ 4	152	103	5.5
	50	40	2	1 1/ 2	172	119	8.9
		50		2	200	132	12.5
1500 (旋启式) Fasten the opening type	15	10	1/ 2	3/8	111	79	3.3
	20	15	3/ 4	1/ 2	111	79	3.6
	25	20	1	3/ 4	120	96	4.3
	32	25	1 1/ 4	1	140	105	6.0
	40	32	1 1/ 2	1 1/ 4	140	120	8.7
	50	40	2	1 1/ 2	160	140	12.5
		50	3/8	2	220	160	16.0
1500 (活塞式、球形) Piston type & spherical	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
	32	25	1 1/ 4	1	150	105	7.0
	40	32	1 1/ 2	1 1/ 4	172	120	10.5
	50	40	2	1 1/ 2	220	140	14.5
		50		2	230	160	16.5

蝶阀系列Butterfly valve series



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蝶阀 Butterfly valve

蝶阀又叫翻板阀，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(阀瓣或蝶板)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(阀瓣或蝶板)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°，蝶阀和蝶杆本身没有自锁能力，为了蝶板的定位，要在阀杆上加装蜗轮减速器。采用蜗轮减速器，不仅可以使蝶板具有自锁能力，使蝶板停止在任意位置上，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 on 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，安装尺寸小，开关迅速、90°往复回转，驱动力矩小等特点，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.蝶阀可以运送泥浆，在管道口积存液体最少。低压下，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，抗擦伤性。蝶阀启闭时阀杆只作旋转运动而不作升降运行，阀杆的填料不易破坏，密封可靠。与蝶板锥销固定，外伸端为防冲外型设计，以免在阀杆与蝶板连接处意外断裂时阀杆崩出。

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 packing 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 and 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 connections and lugs on the clip connection.

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蝶阀Manual operated butterfly valve

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.可以运送泥浆，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，由于转轴两侧蝶板受介质作用基本相等，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、液压方式。
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 offset plate, vertical plate, inclined plate type and lever type. Two types of soft and hard sealing can be sealed by sealing. Soft seal generally use the rubber ring seal, hard seal is generally used metal ring seal.

适合公称规格DN40~2400mm(NPS1.5~96□)，公称压力PN 0.25~15.0PMa(Class150~2500),工作温度-320.8~1112℃（-196~600℃）。

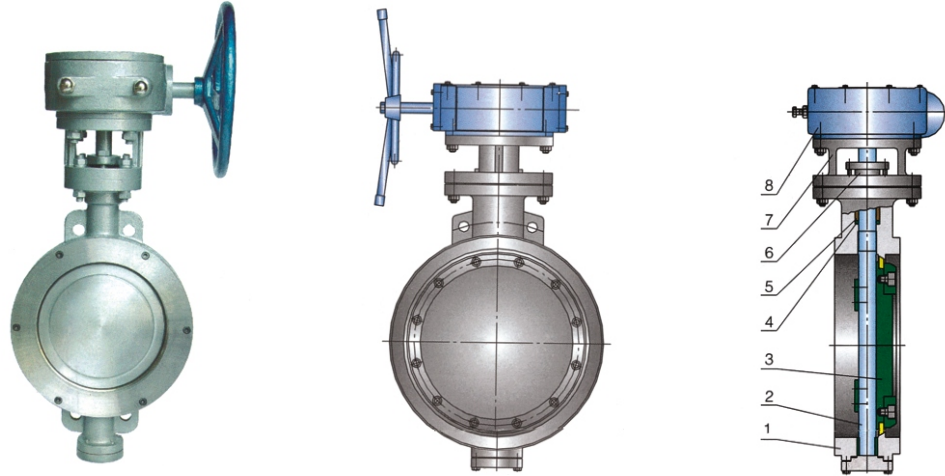
For nominal diameter DN400~2400mm(NPS1.5~96□), Nominal pressure PN0.25~15.0PMa, Operating temperature -320.8~1112℃（-196~600℃）。

设计制造标准API609、BS5155、MSS-SP-67、MSS-SP-68、JIS B 2032、GB/T12238、JB/T8527等。
Design and manufacturing standards,API609、BS5155、MSS-SP-67、MSS-SP-68、JIS B 2032、GB/T12238、JB/T8527 etc..

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双偏心蝶阀/三偏心蝶阀/变偏心蝶阀

Double eccentric structure butterfly valve/ Three eccentric structure butterfly valve/ Variable eccentric structure butterfly valve



产品采用标准 Technical specification

结构形式 Structural formation	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、BSEN593
结构长度 Face to face	GB/T 12221	ASMEB16.10、API609、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&inspection	GB/T 13927、JB/T 9092	API598

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 sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

产品主要参数Main parameters of product

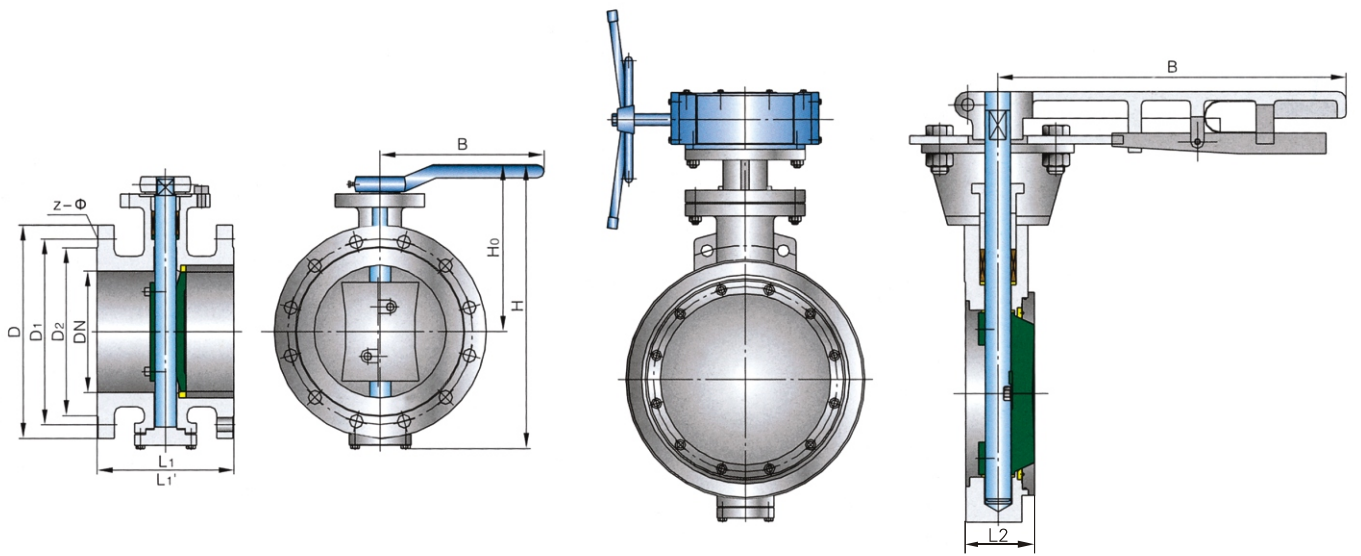
基本型号 Basic model	(D)D71X(F)、(D)D371X(F)、(D)D671X(F)、(D)D971X(F)、(D)D41X(F)、(D)D341X(F)、(D)D641X(F)、(D)D941X(F)、(D)D72X(F)、(D)D372X(F)、(D)D672X(F)、(D)D972X(F)、(D)D42X(F)、(D)D342X(F)、(D)D642X(F)、(D)D942X(F)、(D)D73H(Y)、(D)D373H(Y)、(D)D673H(Y)、(D)D973H(Y)、(D)D43H(Y)、(D)D343H(Y)、(D)D643H(Y)、(D)D943H(Y)
压力等级范围 Pressure range	PN0.25 ~ 15.0MPa
通径范围 Path range	DN40 ~ 2400mm(NPS1.5 ~ 96")

注：D-低温

压力等级 Pressure class		常温试验压力(MPa) Test pressure at room temperature(MPa)		适用温度 Applicable temperature	适用介质 Applicable medium	压力等级 Pressure class		常温试验压力(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					壳体试验 Shell test	密封试验 Seal test			
公称压力 Nominal pressure (MPa)	0.25	0.375	0.275	-196 ~ 600℃	水、油、蒸汽、酸、碱、盐、海水、黑水腐蚀性和低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance and low temperature medium	磅级(Lb) Pound (Class)	150	3.00	2.20	-196 ~ 600℃	水、油、蒸汽、酸、碱、盐、海水、黑水腐蚀性和低温介质 Water, oil, steam, acid, alkali, salt, water, water corrosion resistance 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	-320.8 ~ 1112° F			600	16.50	12.10			
	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										

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手动蝶阀 Manual operated butterfly valve



主要外形尺寸Main size of outside
型号Model:D4(7)2(3、4、5)F(X、H、W、Y)

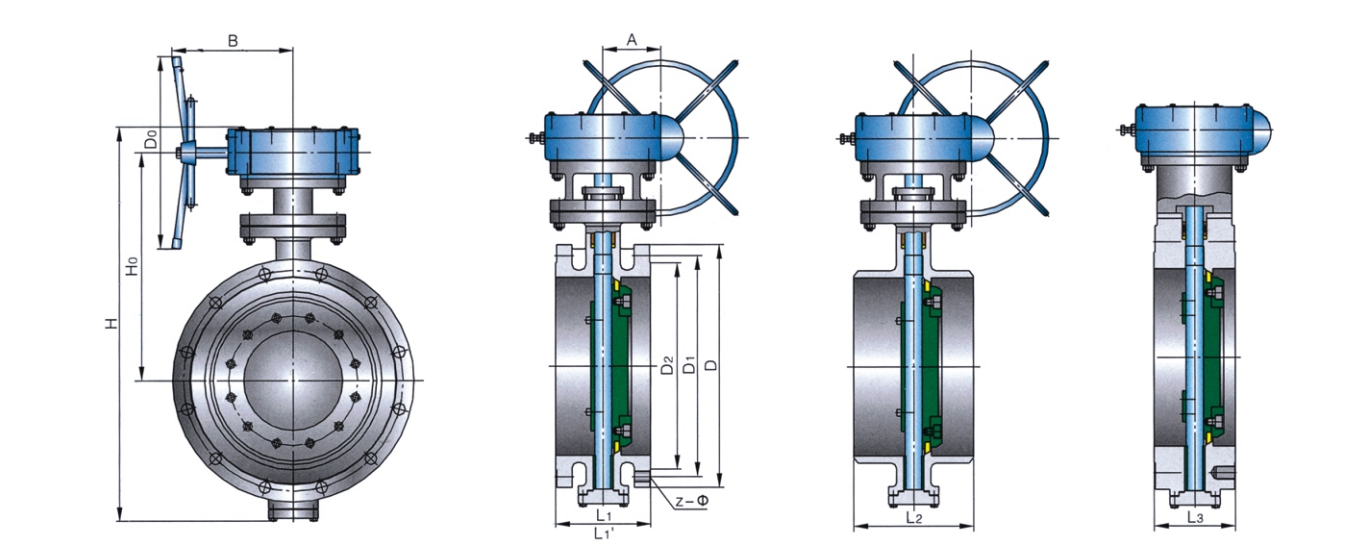
PN (MPa)	DN (mm)	尺寸Dimensions(mm)						PN (MPa)	DN (mm)	尺寸Dimensions(mm)					
		L1 短系列	L1' 长系列	L2	H0	H	B			L1	L1'	L2	H0	H	B
1.0	40	106	140	33	155	208	180	2.5	40	106	140	33	155	208	180
	50	108	150	43	160	225	200		50	108	150	43	160	225	200
	65	112	170	46	175	250	230		65	112	170	46	175	265	230
	80	114	180	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	330	300		125	140	200	64	220	347	300
	150	140	210	70	225	356	350		150	140	210	70	235	374	350
1.6	40	106	140	33	155	208	180	4.0	40	106	140	33	155	208	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	330	300		125	140	200	64	220	347	350
	150	140	210	70	225	356	350		150	140	210	70	235	374	380

主要外形尺寸Main size of outside
型号Model:D4(7)2(3、4、5)F(X、H、W、Y)

Class	NPS (in)	尺寸Dimensions(mm)					Class	NPS (in)	尺寸Dimensions(mm)				
		L1	L2	H0	H	B			L1	L2	H0	H	B
150	3	114	48	187	262	250	300	3	114	48	198	293	290
	4	127	54	203	308	270		4	127	54	203	310	320
	5	140	55	215	324	300		5	140	55	225	352	350
	6	140	57	224	354	350		6	140	59	235	384	380

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蜗轮传动蝶阀 Worm wheel operated butterfly valve

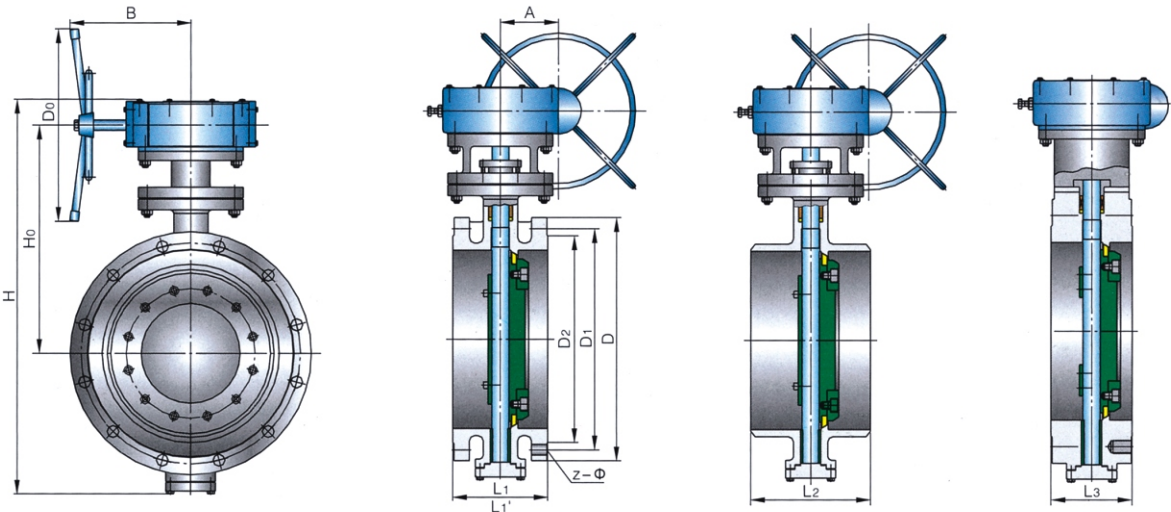


主要外形尺寸Main size of outside
型号Model:D34(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)									蜗轮蜗杆装置 Worm device
		L1 短系列	L1' 长系列	L2	L3	H0	H	A	B	Do	
0.6	65	112	170	170	46	180	290	63	140	180	O型
	80	114	180	180	49	190	320	63	140	180	O型
	100	127	190	190	56	198	342	63	140	240	A型
	150	140	210	210	70	246	415	63	140	240	A型
	200	152	230	230	71	298	470	84	170	300	B型
	250	165	250	250	76	328	535	84	170	300	B型
	300	178	270	270	83	365	606	108	200	400	C型
	350	190	290	290	92	408	695	108	200	400	C型
	400	216	310	310	102	446	755	128	240	400	C型
	450	222	330	330	114	475	815	152	240	600	D型
	500	229	350	350	127	525	905	168	300	600	D型
	600	267	390	390	154	610	1050	320	192	600	D型
	700	292	430	430	165	795	1276	237	192	350	DA型
	800	318	470	470	190	837	1384	237	168	350	DA型
	900	330	510	510	203	885	1500	237	168	350	DA型
	1000	410	550	550	216	946	1620	785	30	450	DB型
	1200	470	630	630	254	1165	2185	785	30	450	DB型
	1400	530	710	710	279	1310	2315	785	30	450	DB型
	1600	600	790	790	318	1440	2675	785	30	450	DB型
	1800	670	870	870	356	1580	2920	865	50	600	DC型
	2000	760	950	950	406	1725	3170	865	50	600	DC型
1.0	2200	760	1000	1000	—	1845	3415	865	50	600	DC型
	2400	760	1100	1100	—	1972	3670	865	50	600	DC型
	2600	760	1200	1200	—	2100	3830	865	50	600	DD型
	2800	760	1300	1300	—	2235	4100	865	50	600	DD型
	3000	760	1400	1400	—	2370	4380	865	50	600	DD型

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蜗轮传动蝶阀 Worm wheel operated butterfly valve



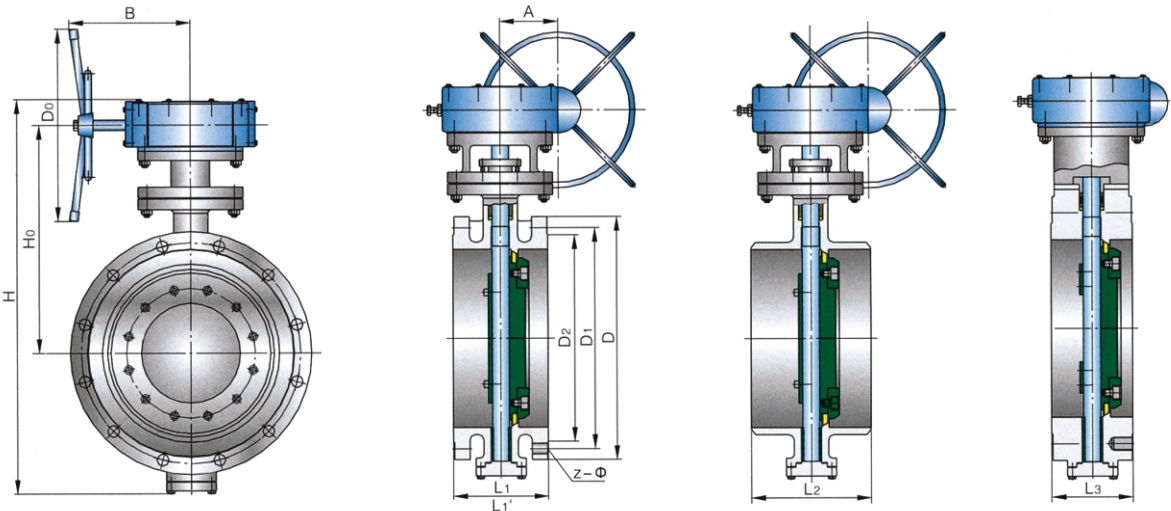
主要外形尺寸Main size of outside
型号Model:D34(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)									蜗轮蜗杆装置 Worm device
		L1 短系列	L1' 长系列	L2	L3	H0	H	A	B	Do	
1.6	65	112	170	170	46	175	290	140	63	160	O型
	80	114	180	180	49	185	320	140	63	160	O型
	100	127	190	190	56	195	342	140	63	160	O型
	125	140	200	200	64	209	365	140	63	300	A型
	150	140	210	210	70	243	415	140	63	300	A型
	200	152	230	230	71	263	510	150	84	400	B型
	250	165	250	250	76	295	567	150	84	400	B型
	300	178	270	270	83	342	665	200	108	600	C型
	350	190	290	290	92	385	739	200	108	600	C型
	400	216	310	310	102	430	825	240	152	600	C型
	450	222	330	330	114	469	910	240	152	800	D型
	500	229	350	350	127	500	990	300	168	800	D型
	600	267	390	390	154	618	1210	320	192	800	D型
	700	292	430	430	165	746	1475	237	138	400	DA型
	800	318	470	470	190	810	1600	237	138	400	DA型
	900	330	510	510	203	1000	1870	785	30	400	DA型
	1000	410	550	550	216	1065	2000	785	30	600	DB型
	1200	470	630	630	254	1170	2215	785	30	600	DB型
	1400	530	710	710	279	1390	2430	865	50	800	DC型
	1600	600	790	790	318	1443	2700	865	50	800	DC型
	1800	670	870	870	356	1595	2938	865	50	800	DD型
	2000	760	950	950	406	1743	3210	865	50	800	DD型



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蜗轮传动蝶阀 Worm wheel operated butterfly valve

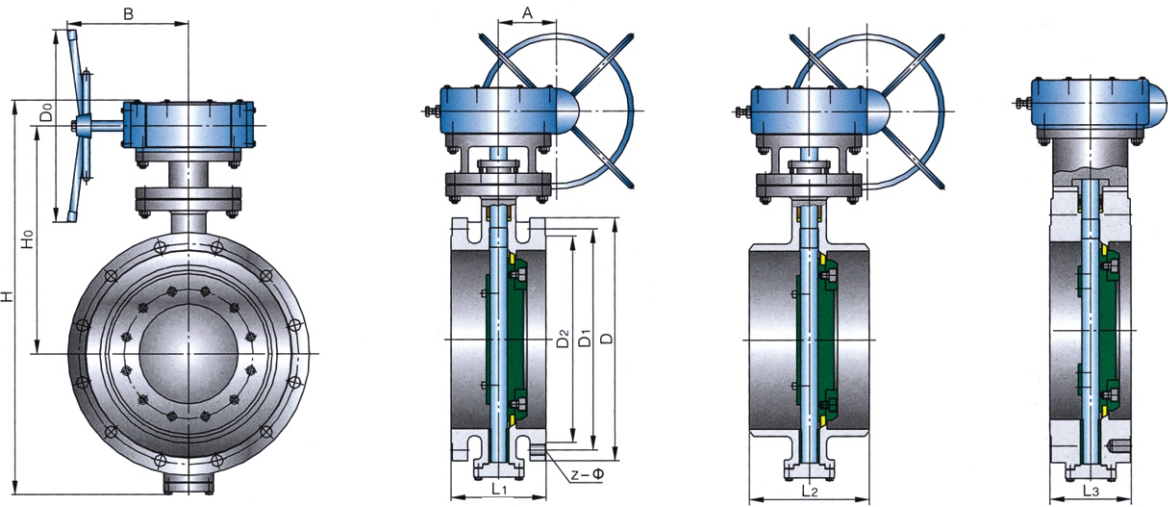


主要外形尺寸Main size of outside
型号Model:D34(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)									蜗轮蜗杆装置 Worm device
		L1 短系列	L1' 长系列	L2	L3	H0	H	A	B	Do	
2.5	80	114	180	180	49	185	320	140	63	160	O型
	100	127	190	190	56	200	350	140	63	300	A型
	125	140	200	200	64	210	375	140	63	300	A型
	150	140	210	210	70	245	425	140	63	400	B型
	200	152	230	230	71	270	526	150	84	400	B型
	250	165	250	250	76	302	590	150	84	600	C型
	300	178	270	270	83	360	695	200	108	600	C型
	350	190	290	290	92	420	789	240	108	600	C型
	400	216	310	310	102	435	848	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	237	192	400	DA型
	700	292	430	430	165	759	1495	237	685	400	DA型
	800	318	470	470	190	835	1640	237	685	400	DA型
	900	330	510	510	203	886	1765	785	30	600	DB型
	1000	410	550	550	216	945	1885	785	30	600	DB型
	1200	470	630	630	254	1055	2100	865	50	800	DC型
	1400	530	710	710	279	1163	2325	865	50	800	DC型
4.0	80	180	—	180	49	245	395	140	63	300	A型
	100	190	—	190	56	205	356	140	63	400	B型
	125	200	—	200	64	213	375	140	63	400	B型
	150	210	—	210	70	260	439	150	84	600	C型
	200	230	—	230	71	275	520	150	84	600	C型
	250	250	—	250	76	315	600	200	108	600	C型
	300	270	—	270	83	365	692	200	108	800	D型
	350	290	—	290	127	408	776	240	152	800	D型
	400	310	—	310	140	443	864	300	168	800	D型
	500	350	—	350	170	525	1128	168	237	400	DA型
	600	390	—	390	200	664	1257	168	237	400	DA型

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蜗轮传动蝶阀 Worm wheel operated butterfly valve



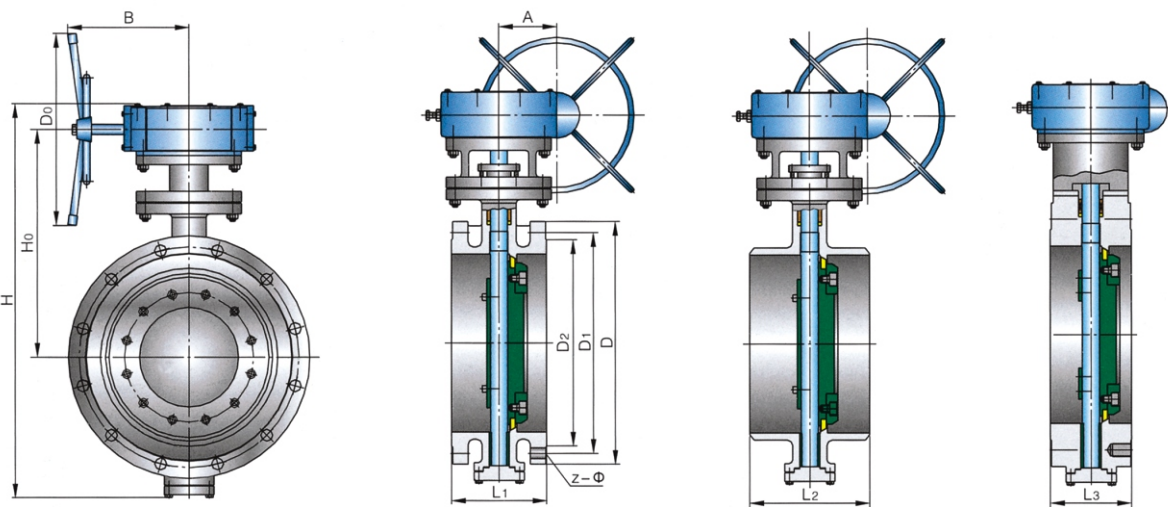
主要外形尺寸Main size of outside
型号Model:D34(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)								蜗轮蜗杆装置 Worm device
		L1	L2	L3	H0	H	A	B	Do	
6.4	80	180	180	70	192	388	140	63	400	B型
	100	190	190	76	205	395	140	63	400	B型
	125	200	200	86	225	420	150	84	600	C型
	150	210	210	100	265	498	200	108	600	C型
	200	230	230	116	292	540	240	152	600	C型
	250	250	250	128	328	638	300	168	800	D型
	300	270	270	150	372	725	320	192	800	D型
	350	290	290	165	418	800	168	237	800	D型
	400	310	310	175	450	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	250	500	140	63	400	B型
	100	190	190	90	340	595	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	448	848	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	814	1345	168	237	400	DA型
	500	350	350	232	946	1506	275	333	600	DB型
	600	390	390	248	998	1618	275	333	600	DC型



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蜗轮传动蝶阀 Worm wheel operated butterfly valve

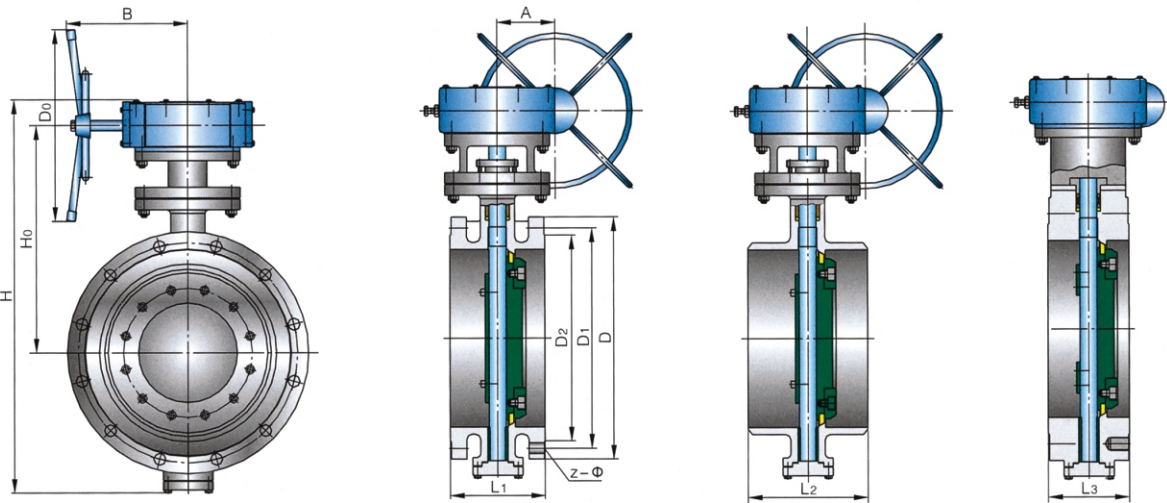


主要外形尺寸Main size of outside
型号Model:D34(6、7)2(3、4、5)F(X、H、W、Y)

Class	NPS (in)	尺寸Dimensions(mm)								蜗轮蜗杆装置 Worm device
		L1	L2	L3	H0	H	A	B	Do	
150	3	114	114	48	185	320	140	63	160	O型
	4	127	127	54	195	342	140	63	160	O型
	5	140	140	55	209	365	140	63	300	A型
	6	140	140	57	243	415	140	63	300	A型
	8	152	152	64	263	510	150	84	400	B型
	10	165	165	71	295	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	469	910	240	152	800	D型
	20	229	229	127	500	990	300	168	800	D型
	24	267	267	154	618	1210	320	192	800	D型
	28	292	292	229	746	1475	237	168	400	DA型
	32	318	318	241	810	1600	237	168	400	DA型
	34	330	330	241	875	1728	237	168	400	DA型
	40	410	410	300	965	1900	237	168	600	DB型

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蜗轮传动蝶阀 Worm wheel operated butterfly valve



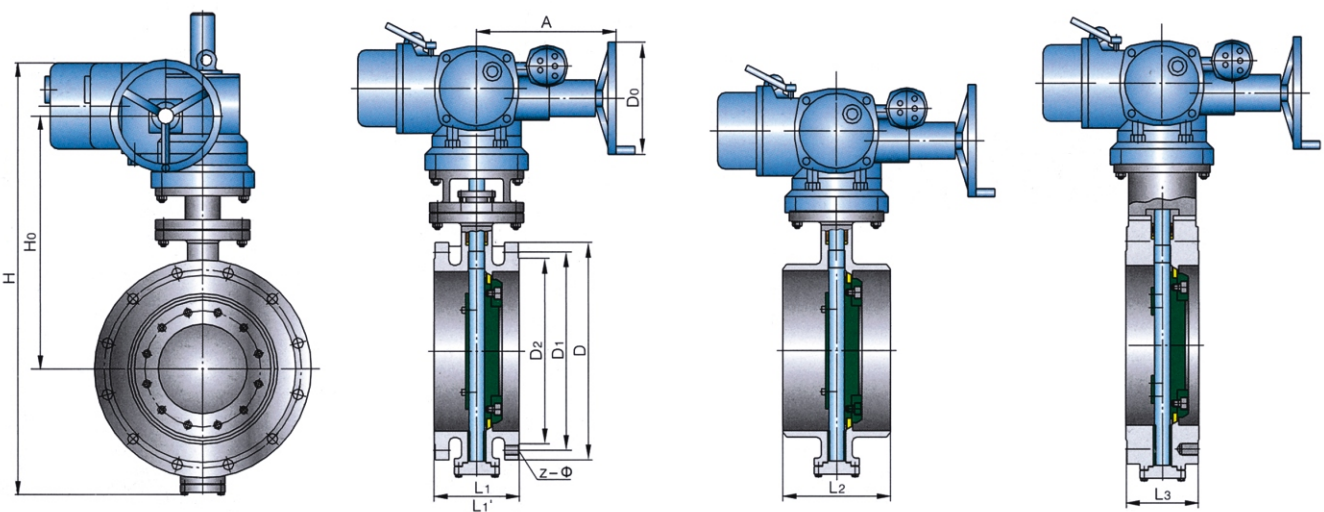
主要外形尺寸Main size of outside
型号Model:D34(6、7)2(3、4、5)F(X、H、W、Y)

Class	NPS (in)	尺寸Dimensions(mm)								蜗轮蜗杆装置 Worm device
		L1	L2	L3	H0	H	A	B	Do	
300	3	180	180	48	241	395	140	63	300	A型
	4	190	190	54	205	355	140	63	400	B型
	5	200	200	55	215	378	140	63	400	B型
	6	210	210	59	260	430	150	84	600	C型
	8	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	362	693	200	108	800	D型
	14	290	290	117	405	772	240	152	800	D型
	16	310	310	133	440	862	300	168	800	DA型
	18	330	330	149	525	960	320	192	400	DA型
	20	350	350	159	603	1158	168	237	400	DA型
	24	390	390	181	693	1320	168	237	300	A型
600	3	180	180	54	250	500	140	63	400	B型
	4	190	190	64	340	595	140	63	600	C型
	5	200	200	70	395	680	200	108	600	C型
	6	210	210	78	423	730	240	152	600	C型
	8	230	230	102	445	855	300	168	800	D型
	10	250	250	117	536	1002	320	192	800	D型
	12	270	270	140	614	1150	168	237	800	D型
	14	290	290	155	674	1200	168	237	400	DA型
	16	310	310	178	823	1345	168	237	400	DA型



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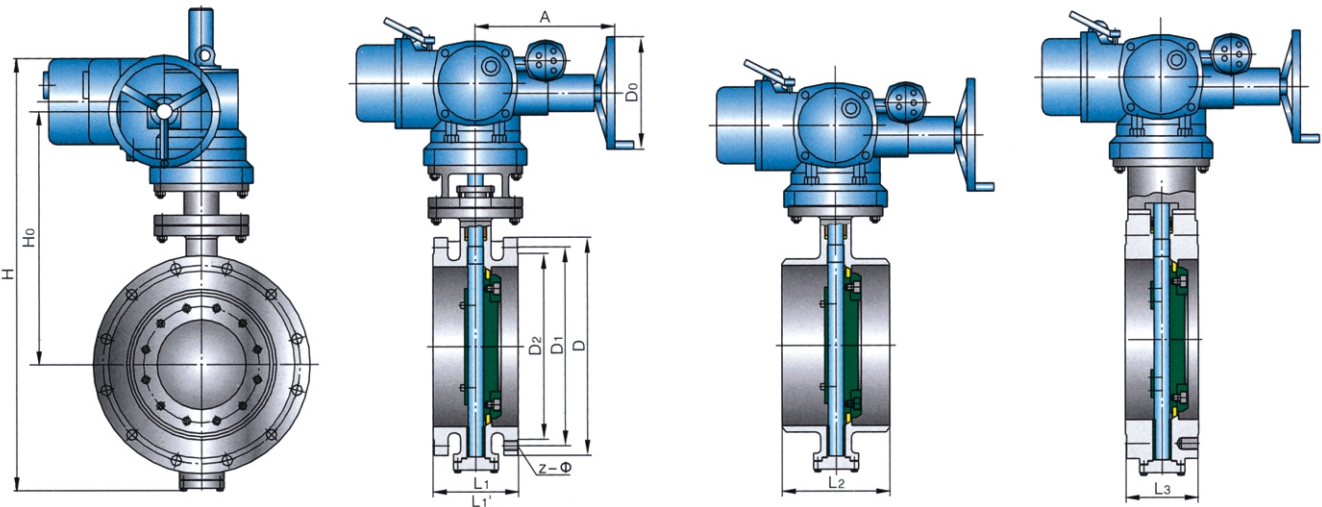
电动蝶阀 Motor driven butterfly valve



主要外形尺寸Main size of outside
型号Model:D94(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)									电动装置 Electric device
		L1 短系列	L1' 长系列	L2	L3	H0	H	A	B	Do	
0.6 1.0	80	114	180	180	49	185	320	180	178	—	DQW10-1
	100	127	190	190	56	198	340	180	178	—	DQW10-1
	125	140	200	200	64	205	115	180	178	—	DQW20-1
	150	140	210	210	70	241	415	180	178	—	DQW20-1
	200	152	230	230	71	263	512	370	235	365	DZW10
	250	165	250	250	76	292	570	370	235	365	DZW10
	300	178	270	270	83	340	668	370	235	365	DZW20(I)
	350	190	290	290	92	385	745	370	235	365	DZW20(I)
	400	216	310	310	102	425	827	370	235	365	DZW30(I)
	450	222	330	330	114	462	915	370	235	365	DZW30(I)
	500	229	350	350	127	500	995	370	235	365	DZW30(I)
	600	267	390	390	154	605	1183	515	245	470	DZW60
	700	292	430	430	165	734	1460	515	245	470	DZW60
	800	318	470	470	190	803	1589	515	245	470	DZW60
	900	330	510	510	203	990	1856	540	360	550	DZW90(I)
	1000	410	550	550	216	1050	1958	540	360	550	DZW90(I)
	1200	470	630	630	254	1165	2013	540	360	550	DZW120(I)
	1400	530	710	710	297	1312	2186	540	360	550	DZW120(I)
	1600	600	790	790	318	1438	2531	565	385	320	DZW250
	1800	670	870	870	356	1580	2795	565	385	320	DZW250
	2000	760	950	950	406	1726	3055	770	300	570	DZW500

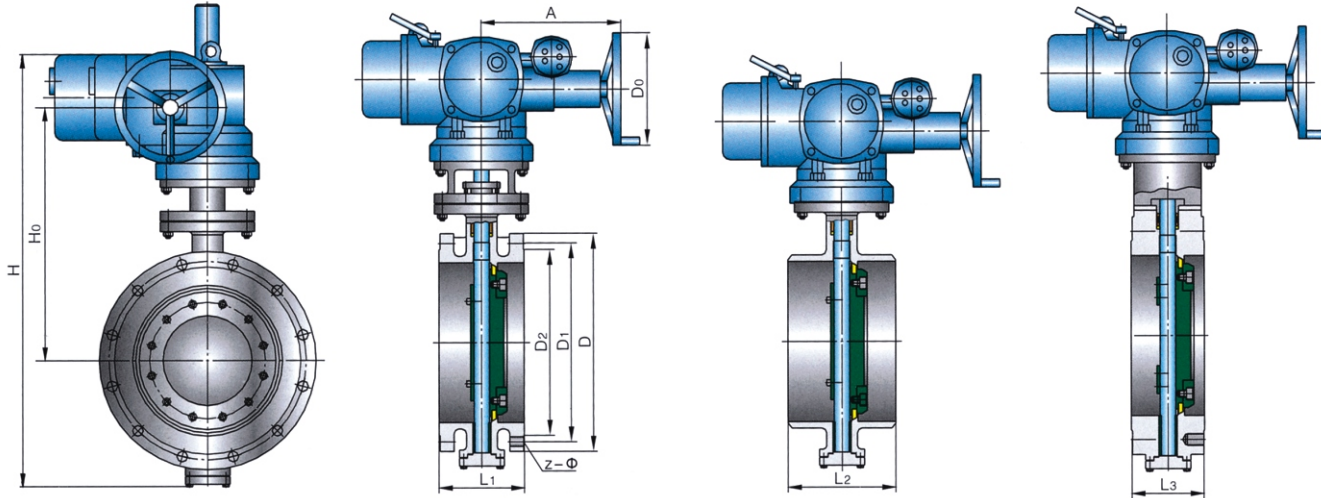
电动蝶阀 Motor driven butterfly valve



主要外形尺寸Main size of outside
型号Model:D94(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)									电动装置 Electric device
		L ₁ 短系列	L ₁ ' 长系列	L ₂	L ₃	H ₀	H	A	B	Do	
2.5	80	114	180	180	49	265	552	180	178	—	DQW20-1
	100	127	190	190	56	290	585	180	178	—	DQW20-1
	125	140	200	200	64	305	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	365	DZW15
	250	165	250	250	76	336	910	370	235	365	DZW15
	300	178	270	270	83	386	1000	370	235	365	DZW30(I)
	350	190	290	290	92	425	1055	370	235	365	DZW30(I)
	400	216	310	310	102	456	1108	370	235	365	DZW30(I)
	450	222	330	330	114	490	1140	370	235	365	DZW30(I)
	500	229	350	350	127	552	1238	370	235	365	DZW30(I)
	600	267	390	390	154	635	1399	515	245	470	DZW60
	700	292	430	430	165	750	1611	540	360	550	DZW90(I)
	800	318	470	470	190	820	1782	540	360	550	DZW120(I)
	900	330	510	510	203	886	1915	565	385	320	DZW250
	1000	410	550	550	216	945	2040	565	385	320	DZW250
4.0	1200	470	630	530	254	1053	2184	770	300	570	DZW500
	1400	530	710	710	297	1164	2375	794	684	500	DZW800
	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	609	370	235	365	DQW30(I)
	200	230	—	230	93	275	755	370	235	365	DQW30(I)
	250	250	—	250	114	315	818	370	235	365	DQW30(I)
	300	270	—	270	136	363	912	515	245	470	DQW45(I)
	350	290	—	290	128	406	983	515	245	470	DQW45(I)
	400	310	—	310	146	440	1058	515	245	470	DQW60(I)
	500	350	—	350	186	600	1245	540	360	550	DQW90
	600	390	—	390	211	663	1414	540	360	550	DQW120(I)

电动蝶阀 Motor driven butterfly valve

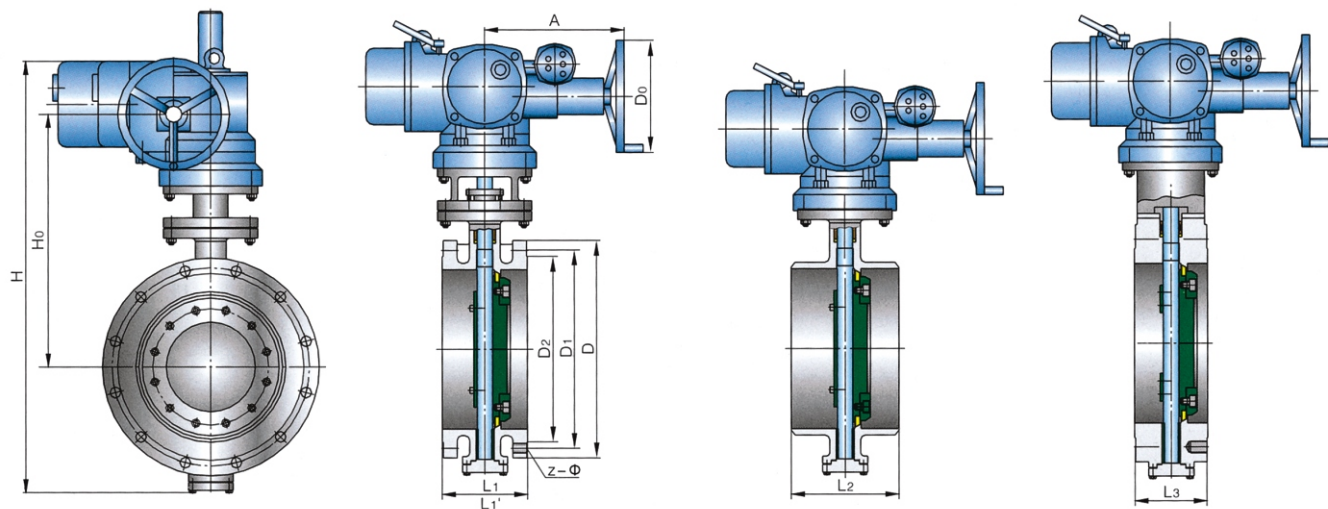


主要外形尺寸Main size of outside
型号Model:D94(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)								电动装置 Electric device
		L ₁	L ₂	L ₃	H ₀	H	A	B	Do	
6.4	80	180	180	70	242	543	180	178	—	DQW20—1
	100	190	190	76	204	578	180	178	—	DQW20—1
	125	200	200	86	214	607	180	178	—	DQW30—1
	150	210	210	100	259	659	370	235	365	DZW30(I)
	200	230	230	116	285	795	370	235	365	DZW30(I)
	250	250	250	128	325	885	370	235	365	DZW30(I)
	300	270	270	150	375	1050	515	245	470	DZW45(I)
	350	290	290	165	415	825	515	245	470	DZW45(I)
	400	310	310	175	452	1205	515	245	470	DZW60(I)
	500	350	350	192	625	1470	540	360	550	DZW90
	600	390	390	215	675	1582	540	360	550	DZW120(I)
10.0	80	180	180	85	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	365	DQW30(I)
	200	230	230	138	445	1058	370	235	365	DQW30(I)
	250	250	250	152	536	1175	370	235	365	DQW30(I)
	300	270	270	176	615	1390	515	245	470	DQW45(I)
	350	290	290	182	675	1475	515	245	470	DQW60
	400	310	310	204	820	1705	540	360	550	DQW90
	500	350	350	232	946	1806	540	360	550	DQW120(I)
	600	390	390	248	998	1918	540	360	550	DQW120(I)

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电动蝶阀 Motor driven butterfly valve



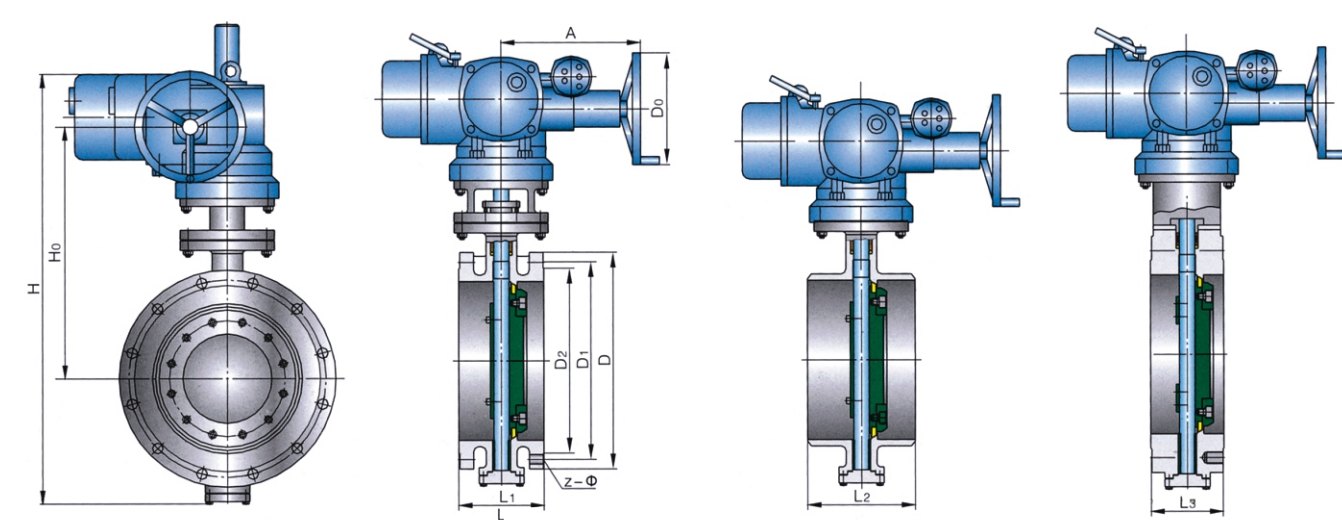
主要外形尺寸Main size of outside
型号Model:D94(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)									电动装置 Electric device
		L1 短系列	L1' 长系列	L2	L3	H0	H	A	B	D0	
1.6	80	114	180	180	49	265	513	180	178	—	DQW10-1
	100	127	190	190	56	282	538	180	178	—	DQW20-1
	125	140	200	200	64	295	560	180	178	—	DQW20-1
	150	140	210	210	70	300	605	180	178	—	DQW20-1
	200	152	230	230	71	321	749	370	235	365	DZW10
	250	165	250	250	76	330	803	370	235	365	DZW10
	300	178	270	270	83	365	880	370	235	365	DZW20(I)
	350	190	290	290	92	410	960	370	235	365	DZW20(I)
	400	216	310	310	102	445	1032	370	235	365	DZW20(I)
	450	222	330	330	114	487	1118	370	235	365	DZW30(I)
	500	229	350	350	127	520	1190	370	235	365	DZW30(I)
	600	267	390	390	154	625	1380	370	235	365	DZW30(I)
	700	292	430	430	165	745	1582	515	245	470	DZW60
	800	318	470	470	190	810	1713	515	245	470	DZW60
	900	330	510	510	203	875	1870	540	360	550	DZW90(I)
	1000	410	550	550	216	940	2000	540	360	550	DZW90(I)
	1200	470	630	630	254	1060	2118	540	360	550	DZW120(I)
	1400	530	710	710	297	1325	2328	565	385	320	DZW250
	1600	600	790	790	318	1450	2550	565	385	320	DZW250
	1800	670	870	870	356	1598	2816	770	300	570	DZW500
	2000	760	950	950	406	1743	3065	794	684	500	DZW800



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电动蝶阀 Motor driven butterfly valve

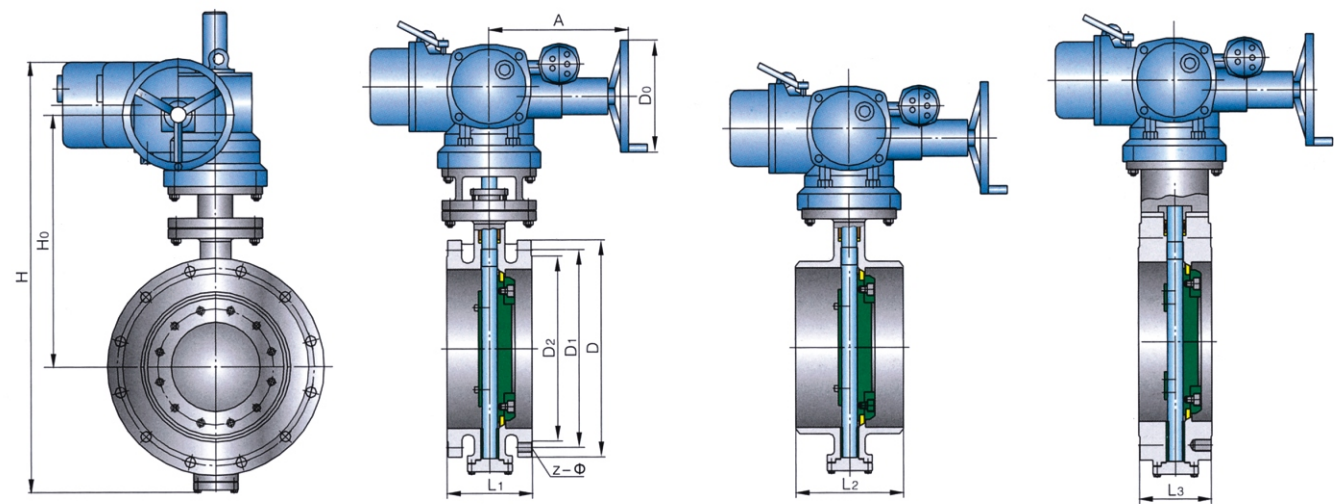


主要外形尺寸Main size of outside
型号Model:D94(6、7)2(3、4、5)F(X、H、W、Y)

Class	NPS (in)	尺寸Dimensions(mm)								电动装置 Electric device
		L ₁	L ₂	L ₃	H ₀	H	A	B	Do	
150	3	114	114	48	263	513	180	178	—	DQW10-1
	4	127	127	54	282	535	180	178	—	DQW20-1
	5	140	140	55	293	563	180	178	—	DQW20-1
	6	140	140	57	322	602	180	178	—	DQW20-1
	8	152	152	64	296	745	370	235	365	DZW10
	10	165	165	71	325	805	370	235	365	DZW10
	12	178	178	81	365	883	370	235	365	DZW20(I)
	14	190	190	92	408	965	370	235	365	DZW20(I)
	16	216	216	102	443	1033	370	235	365	DZW20(I)
	18	222	222	114	485	1120	370	235	365	DZW30(I)
	20	229	229	127	518	1186	370	235	365	DZW30(I)
	24	267	267	154	625	1380	370	235	365	DZW30(I)
	28	292	292	229	745	1587	515	245	470	DZW60
	32	318	318	241	810	1717	515	245	470	DZW60
	34	330	330	241	872	1874	540	360	550	DZW90(I)
	40	410	410	300	965	2030	540	360	550	DQW90(I)

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电动蝶阀 Motor driven butterfly valve



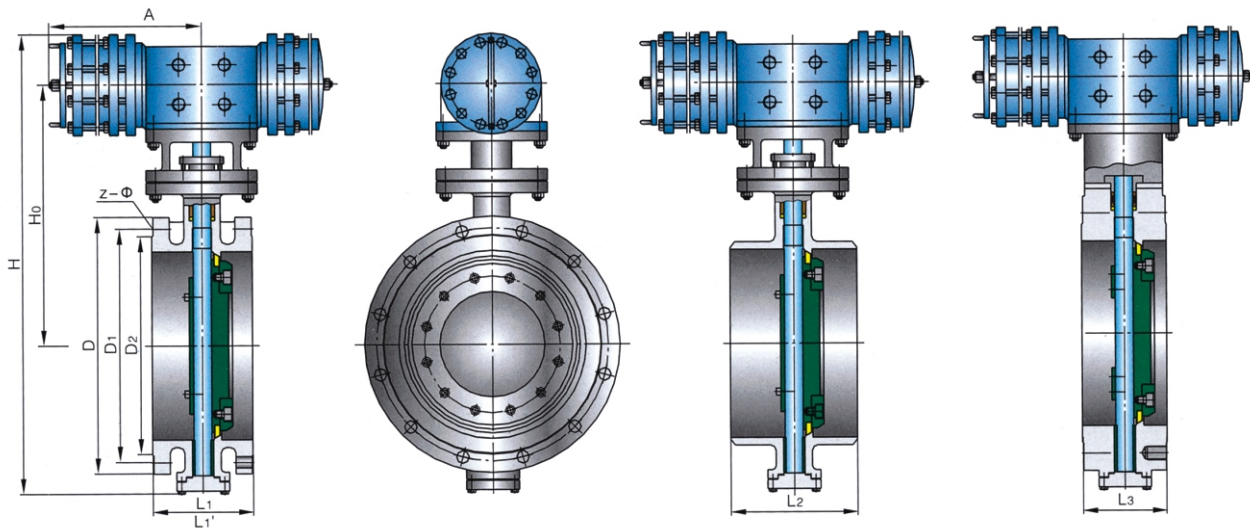
主要外形尺寸Main size of outside
型号Model:D94(6、7)2(3、4、5)F(X、H、W、Y)

Class	NPS (in)	尺寸Dimensions(mm)								电动装置 Electric device
		L1	L2	L3	H ₀	H	A	B	D ₀	
300	3	180	180	48	242	530	180	178	—	DQW20-1
	4	190	190	54	204	552	180	178	—	DQW20-1
	5	200	200	55	214	580	180	178	—	DQW30-1
	6	210	210	59	259	610	180	178	—	DQW30-1
	8	230	230	73	310	755	370	235	365	DZW20(II)
	10	250	250	83	340	816	370	235	365	DZW20(II)
	12	270	270	92	390	912	370	235	365	DZW30(II)
	14	290	290	117	425	980	370	235	365	DZW30(II)
	16	310	310	133	460	1057	370	235	365	DZW30(II)
	18	330	330	149	525	1140	370	235	365	DZW30(II)
	20	350	350	159	556	1243	515	245	470	DZW60
	24	390	390	181	653	1420	540	360	550	DQW90(II)
600	3	180	180	64	108	606	180	178	—	DQW20-1
	4	190	190	64	108	650	180	178	—	DQW20-1
	5	200	200	70	120	695	180	178	—	DQW30-1
	6	210	210	76	136	743	180	178	—	DQW30-1
	8	230	230	89	442	1055	370	235	365	DZW30(1)
	10	250	250	114	532	1172	370	235	365	DZW30(II)
	12	270	270	127	618	1392	515	245	470	DZW45(II)
	14	290	290	140	674	1475	515	245	470	DZW60
	16	310	310	152	823	1708	540	360	550	DQW90



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气动蝶阀 Pneumatic driven butterfly valve

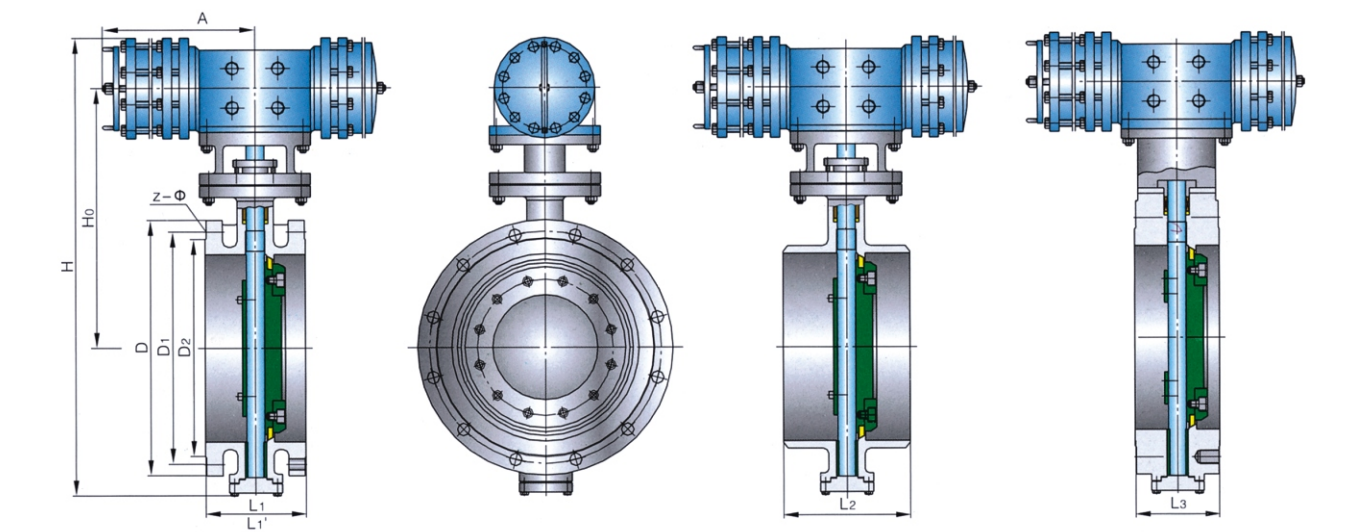


主要外形尺寸Main size of outside
型号Model:D64(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)							气动装置 Pneumatic device
		L ₁ 短系列	L ₁ ' 长系列	L ₂	L ₃	H ₀	H	A	
0.6	200	152	230	230	71	325	695	275	TAW13
	250	165	250	250	76	355	750	275	TAW13
	300	178	270	270	83	475	935	378	TAW17
	350	190	290	290	92	510	1000	378	TAW17
	400	216	310	310	102	590	1145	378	TAW17
	450	222	330	330	114	632	1205	530	TAW20
	500	229	350	350	127	665	1256	530	TAW20
	600	267	390	390	154	830	1526	530	TAW20
	700	292	430	430	165	903	1640	530	TAW20
	800	318	470	470	190	972	1786	680	TAW28
	900	330	510	510	203	1052	1917	680	TAW28
	1000	410	550	550	216	1170	2600	680	TAW28
1.0	200	152	230	230	71	367	740	275	TAW13
	250	165	250	250	76	443	900	378	TAW17
	300	178	270	270	83	493	990	378	TAW17
	350	190	290	290	92	575	1155	378	TAW17
	400	216	310	310	102	600	1205	530	TAW20
	450	222	330	330	114	643	1290	530	TAW20
	500	229	350	350	127	705	1395	530	TAW20
	600	267	390	390	154	838	1665	530	TAW20
	700	292	430	430	165	942	1882	680	TAW28
	800	318	470	470	190	1066	2093	680	TAW28

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气动蝶阀 Pneumatic driven butterfly valve



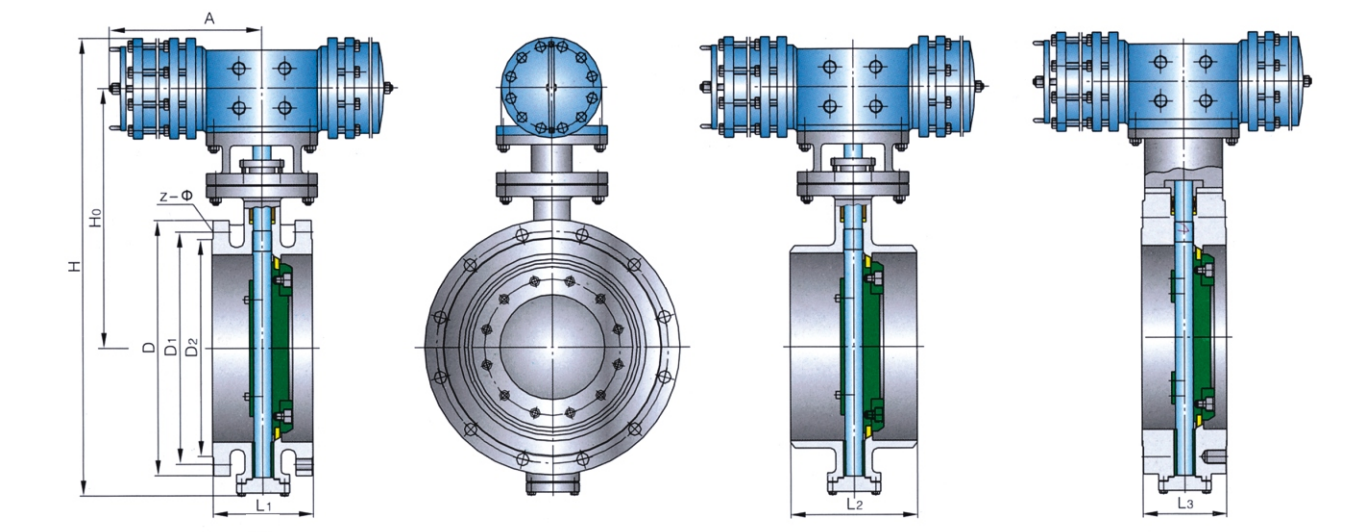
主要外形尺寸Main size of outside
型号Model:D64(6、7)2(3、4、5)F(X、H、W、Y)

PN (MPa)	DN (mm)	尺寸Dimensions(mm)							气动装置 Pneumatic device
		L ₁ 短系列	L ₁ ' 长系列	L ₂	L ₃	H ₀	H	A	
1.6	200	152	230	230	71	327	695	275	TAW13
	250	165	250	250	76	355	750	275	TAW13
	300	178	270	270	83	472	955	378	TAW17
	350	190	290	290	92	515	1033	378	TAW17
	400	216	310	310	102	595	1185	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	829	1642	680	TAW28
	700	292	430	430	165	905	1785	680	TAW28
2.5	800	318	470	470	190	970	1915	680	TAW28
	200	152	230	230	71	367	740	275	TAW13
	250	165	250	250	76	443	890	378	TAW17
	300	178	270	270	83	495	985	378	TAW17
	350	190	290	290	92	575	1155	530	TAW20
	400	216	310	310	102	603	1206	530	TAW20
	450	222	330	330	114	643	1284	530	TAW20
	500	229	350	350	127	705	1390	535	TAW20
	600	267	390	390	154	835	1660	680	TAW28
4.0	200	230	—	230	71	375	750	275	TAW13
	250	250	—	250	76	445	905	378	TAW17
	300	270	—	270	83	538	1085	503	TAW20
	350	290	—	290	127	576	1160	503	TAW20
	400	310	—	310	140	609	1230	503	TAW20
	500	350	—	350	170	765	1520	680	TAW28



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气动蝶阀 Pneumatic driven butterfly valve



主要外形尺寸Main size of outside
型号Model:D64(6、7)2(3、4、5)F(X、H、W、Y)

Class	NPS (in)	尺寸Dimensions(mm)						电动装置 Electric device
		L ₁	L ₂	L ₃	H ₀	H	A	
150	8	152	152	64	323	690	275	TAW13
	10	165	165	70	355	750	275	TAW13
	12	178	178	81	475	955	378	TAW17
	14	190	190	92	513	1032	378	TAW17
	16	216	216	102	598	1182	530	TAW20
	18	222	222	114	635	1265	530	TAW20
	20	229	229	127	667	1335	530	TAW20
	24	267	267	154	630	1642	680	TAW28
	28	292	292	229	910	1782	680	TAW28
	32	318	318	241	975	1920	680	TAW28
300	8	230	230	73	368	750	275	TAW13
	10	250	250	83	442	909	378	TAW17
	12	270	270	92	535	1075	530	TAW20
	14	290	290	117	572	1158	530	TAW20
	16	310	310	113	610	1230	530	TAW20
	18	330	330	149	736	1462	680	TAW28
	20	350	350	159	765	1328	680	TAW28

电站阀系列Power station valve series



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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：手动、电动、正、伞齿轮传动、气动等，订货时应该注明传动方式。
Actuation modes:manual,electric,spur and bevel gear ,pneumatic actuations,please make it clear at order.
- 2、焊接连接的闸阀、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:wate,steam,oil goods,acid media and so on.
- 3、符合国内外先进标准的要求，阀门中腔采用压力自紧式密封结构，连接两端采用对焊接结构，焊接坡口可按标准或用户要求配接，密封可靠、性能良好，造型美观。
Conforms with the requirements of the domestic and foreign advanced stanards.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金堆焊或司太立(Stellite) 钴基硬质合金堆焊而成耐磨、耐高温、耐腐蚀、抗摩擦性能好，使用寿命长。
Tthe 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经阀杆外漏，同时可更换阀杆填料。
The stem,after the modified and surface nitriding treament,has a good friction and corrosion resistance and a back-seal structure to ensure the valve no leak outward from the stem when opende during running and able to replace the stem packing.
- 6、中大口径可采用内旁通结构并设置滚动轴承与堆力轴承，开关灵活，启闭轻松。
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，具有壳体小，重量轻，功能全，外形美等特点，并可与程控电脑配套使用，也可按用户要求选配电动装置。
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

基本型号 Serial models	闸阀Gate valve		Z60Y、Z560Y、Z960Y			
	截止阀Globe valve		J61Y、J561Y、J961Y、J65Y、J565Y、965Y			
	止回阀Check valve		H64Y			
压力等级范围Pressure grade range			Class1500~3500			
通径范围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"~8"	Class2000~2500 1/ 2"~6"	Class3500 3"~4"	
		伞齿轮 Bevel gear	Class1500 8"~22"	Class2000~2500 6"~16"	Class3500 5"~12"	
		电动 Electric driving	Class1500 2 1/ 2"~22"	Class2000~2500 2 1/ 2"~16"	Class3000 10"~22"	Class3500 3"~18"
	截止 阀 Globe valve	手轮驱动 Hand wheel driving	Class1500 1/ 2"~6"	Class2000~2500 2"~4"	Class3500 1/ 2"~3"	
		伞齿轮 Bevel gear	Class1500 5"~8"	Class2000~2500 4"~12"	Class3500 3"~6"	
		电动 Electric driving	Class1500 3"~8"		Class2000~2500 2 1/ 2"~6"	
	Y型 截止 阀 Y type golbe valve	手轮驱动 Hand wheel driving	Class1500 2 1/ 2"~6"		Class2500 2"~4"	
		伞齿轮 Bevel gear	Class1500 5"~8"	Class2000 4"~12"	Class2500 3"~14"	Class3500 3"~6"
		电动 Electric driving	Class1500 1/2"~8"	Class2000 4"~12"	Class2500 2"~14"	Class3500 3"~6"
	止回 阀 Check valve	—	Class1500~2000 1/ 2"~14"		Class2500 3"~8"	

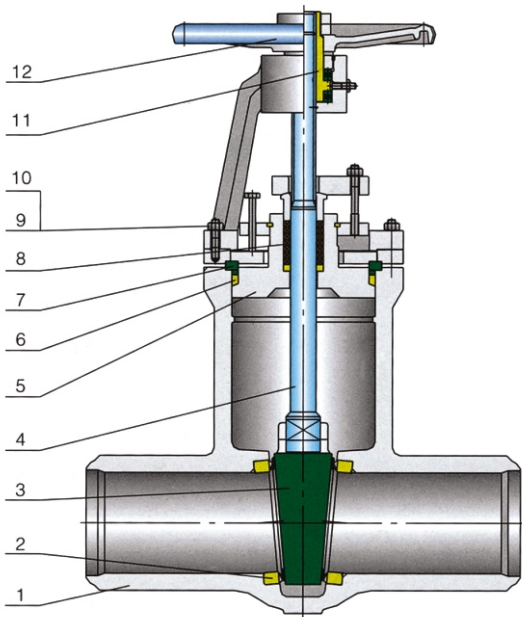
高温高压电站阀门 High temperature and high pressure valve for power station

产品性能规范Products performance specifecaton

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
1500	WCB	39.20	28.60	26.00/14.40	−30~427
	WC1	36.70	26.85	24.40/1.7	−30~470
	WC6	39.50	28.60	26.40/3.4	−30~593
	WC9	39.60	28.60	26.40/4.0	−30~593
	C12A	38.80	28.50	25.86/7.69	−30~650
2000	WCB	52.20	38.15	34.70/19.30	−30~427
	WC1	48.90	35.75	32.50/22.80	−30~470
	WC6	52.80	38.72	35.20/4.50	−30~593
	WC9	52.80	38.72	35.20/5.30	−30~593
	C12A	51.70	38.0	34.47/10.24	−30~650
2500	WCB	65.20	47.75	43.40/24.10	−30~427
	WC1	61.20	44.75	40.70/28.50	−30~470
	WC6	65.90	48.29	43.09/5.60	−30~593
	WC9	65.90	48.29	43.09/6.60	−30~593
	C12A	65.90	48.29	43.09/12.79	−30~650
3000	WCB	78.20*	57.30	52.10/28.90	−30~427
	WC1	73.40*	53.80	48.90/34.30	−30~470
	WC6	79.10*	58.0	52.7/6.75	−30~593
	WC9	79.10*	58.0	52.70/13.10	−30~593
	C12A	77.60	56.90	51.70/15.36	−30~650
3500	WCB	91.20*	66.75	60.70/33.70	−30~427
	WC1	85.50*	62.70	57.00/40.00	−30~470
	WC6	92.30*	67.65	61.50/7.90	−30~593
	WC9	92.30*	67.65	61.50/9.30	−30~593
	C12A	90.50	66.33	60.3/17.93	−30~650

注：带 “*” 号的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.

美标电站闸阀 Gate valve for power station as per ANSI B16.34



产品采用标准 Technical specification

设计标准 Design standard		API600、JIS E101
结构长度 Structural lenth	对焊连接Welded connection	ASME16.10
压力与温度Pressure and temperature		ASME16.34、JIS E101
试验和检验Test&inspection		API598、JIS E101
焊接坡口Weld the slope mouth		ASME B16.25

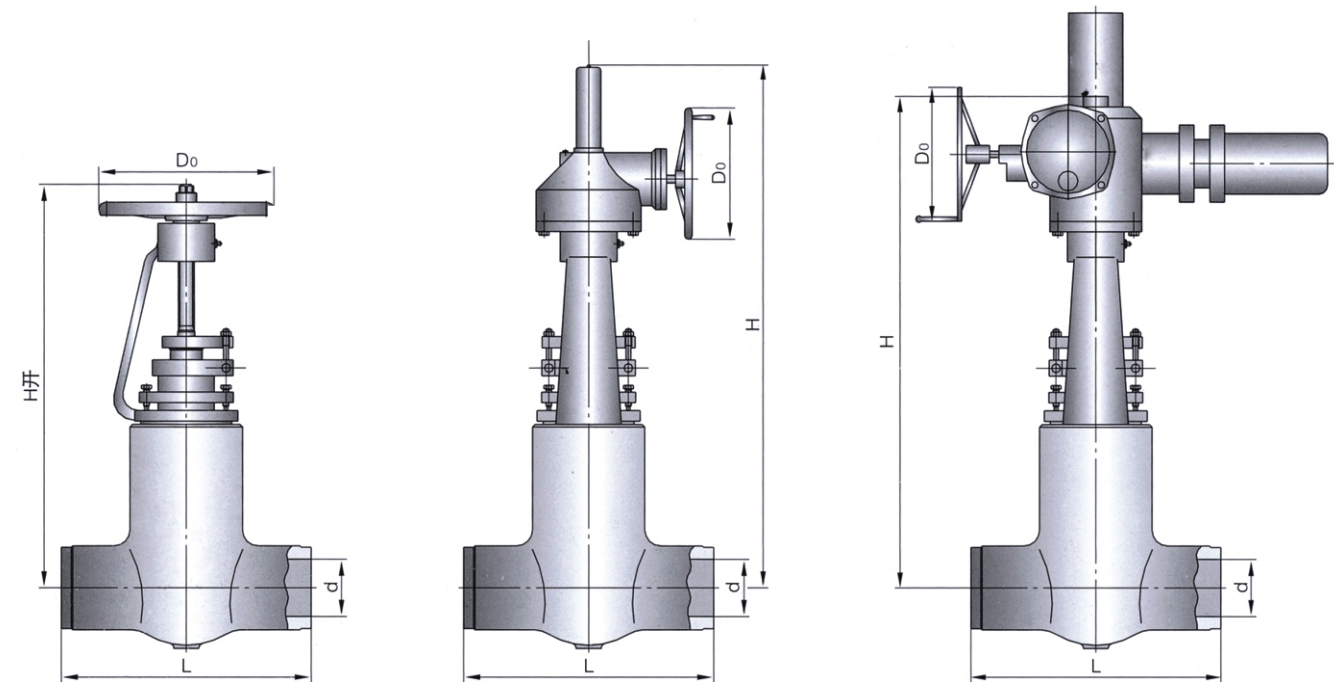
注：阀门连接法兰及焊接坡口可根据用户要求设计制造。
Note:valve connecting flange and welded groove can be designed and made upon the user requirements.

主要零件材料Major parts material form

序号 No	零件名称 Accessory name	材质Material
1	阀体Body	WCB、WC1、WC6、WC9、C12、C12A、WB36
2	阀座Seat	A105、A182–F11、F22、F5、F9、F91、FB36
3	闸板Disc	WCB、WC1、WC6、WC9、C12、C12A、WB36
4	阀杆Stem	A182Gr.F6a、A182–F22、A182–F11、F9、F91、321、321H
5	阀盖 Bonnet	WCB、WC1、WC6、WC9、C12、C12A、WB36
6	密封圈Sealing ring	柔性石墨Graphite
7	四开环Quarto ring	A182Gr.F6a、A182–F22、A182–F9、F91、FB36
8	填料Packing	柔性石墨Graphite
9	双头螺柱Stud	A193–B7、A193–B16
10	螺母Nut	A194–2H、A194–4
11	阀杆螺母Valve stem nut	铜合金Copper alloy
12	手轮Handwheel	A47–32510

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美标电站闸阀 Gate valve for power station as per ANSI B16.34



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

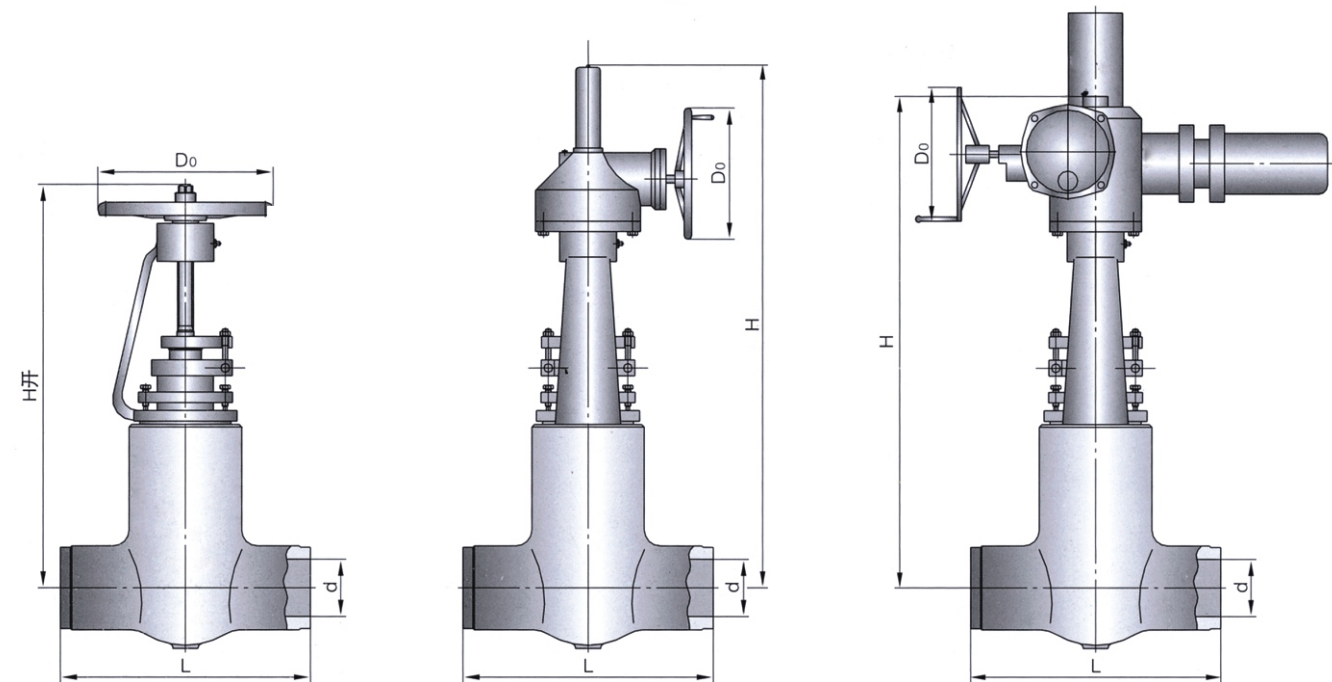
型号Model: Z60Y-1500Lb、Z560Y-1500Lb、Z960Y-1500Lb

NPS (in)	L	d	手动Hand-operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
2 1/2	254	56	670	200	50	—	—	—	—	887	200	93	SMC-04
3	305	64	692	200	65	—	—	—	—	887	200	110	SMC-04
4	406	84	790	230	105	—	—	—	—	969	508	168	SMC-03
5	483	100	875	260	150	—	—	—	—	1073	508	223	SMC-03
6	559	126	1155	400	300	—	—	—	—	1270	305	395	SMC-0
8	711	158	1148	410	500	1261	460	418	BA-1	1325	305	555	SMC-0
10	864	210	—	—	—	1490	460	725	BA-1	1530	457	823	SMC-1
12	991	250	—	—	—	1765	610	1036	BA-2	1804	305	1280	SMC-1
14	1067	282	—	—	—	1952	760	1358	BA-3	2155	570	1725	SMC-2
16	1194	318	—	—	—	2051	760	1773	BA-3	2167	610	2429	SMC-3
18	1346	360	—	—	—	2155	760	2359	BA-3	2250	610	2454	SMC-3
20	1473	406	—	—	—	2451	760	3243	BA-3	2250	610	3334	SMC-3
22	1600	450	—	—	—	2679	760	4010	BA-3	2780	610	4409	SMC-3



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美标电站闸阀 Gate valve for power station as per ANSI B16.34

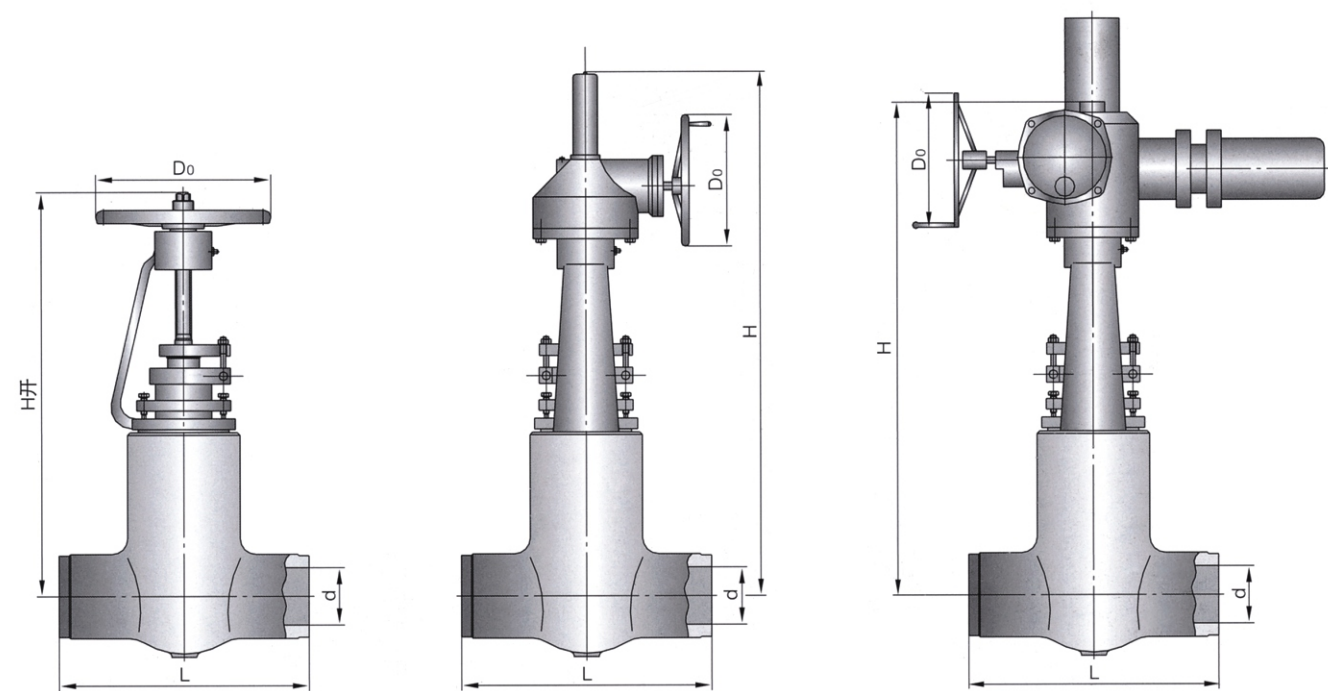


主要外形尺寸及重量Main size of outside & weight

型号Model: Z60Y-2000Lb、Z560Y-2000Lb、Z960Y-2000Lb

NPS (in)	L	d	手动Hand-operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
2 1/2	330	50	640	200	70	—	—	—	—	802	200	202	SMC-04
3	368	60	690	230	90	—	—	—	—	852	508	149	SMC-03
4	457	80	850	260	180	—	—	—	—	974	305	245	SMC-00
5	533	96	1117	360	210	—	—	—	—	1120	305	280	SMC-00
6	610	118	1300	410	438	—	—	—	—	1219	305	419	SMC-0
8	762	148	—	—	—	1210	310	602	BA-0	1349	305	626	SMC-0
10	914	180	—	—	—	1620	460	836	BA-1	1690	305	1020	SMC-1
12	1041	222	—	—	—	1710	610	1187	BA-2	1830	457	1320	SMC-2
14	1118	254	—	—	—	1763	610	1475	BA-2	1880	457	1810	SMC-2
16	1245	294	—	—	—	1925	610	1990	BA-2	2115	610	2270	SMC-3

美标电站闸阀 Gate valve for power station as per ANSI B16.34



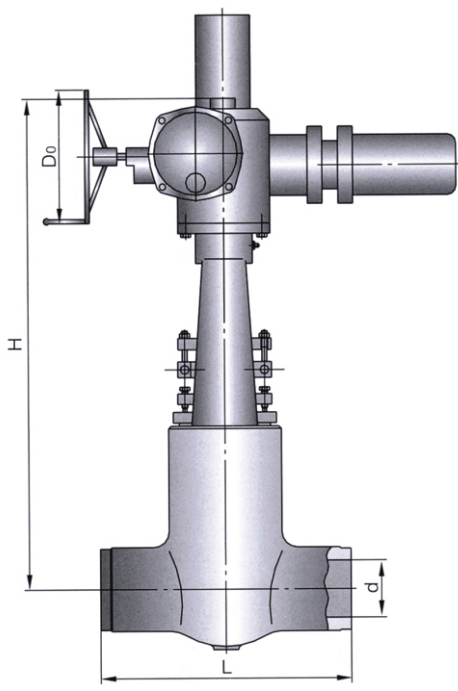
主要外形尺寸及重量Main size of outside & weight

型号Model: Z60Y-2500Lb、Z560Y-2500Lb、Z960Y-2500Lb

NPS (in)	L	d	手动Hand-operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
2 1/2	330	46	640	200	70	—	—	—	—	842	508	143	SMC-03
3	368	54	690	230	90	—	—	—	—	836	508	160	SMC-03
4	457	70	850	260	150	—	—	—	—	1094	508	335	SMC-03
5	533	86	1117	400	210	—	—	—	—	1170	305	324	SMC-00
6	610	104	1300	500	438	1116	310	340	BA-0	1266	305	467	SMC-00
8	762	130	—	—	—	1284	310	617	BA-0	1339	305	725	SMC-0
10	914	162	—	—	—	1504	460	1023	BA-1	1468	305	1152	SMC-1
12	1041	210	—	—	—	1725	610	1415	BA-2	1890	457	1520	SMC-2
14	1118	234	—	—	—	1793	610	1684	BA-2	1990	610	1869	SMC-3
16	1245	264	—	—	—	1935	610	2383	BA-2	2115	610	2826	SMC-3
22	1550	375	—	—	—	—	—	—	—	2886	760	7080	SMC-5



美标电站闸阀 Gate valve for power station as per ANSI B16.34

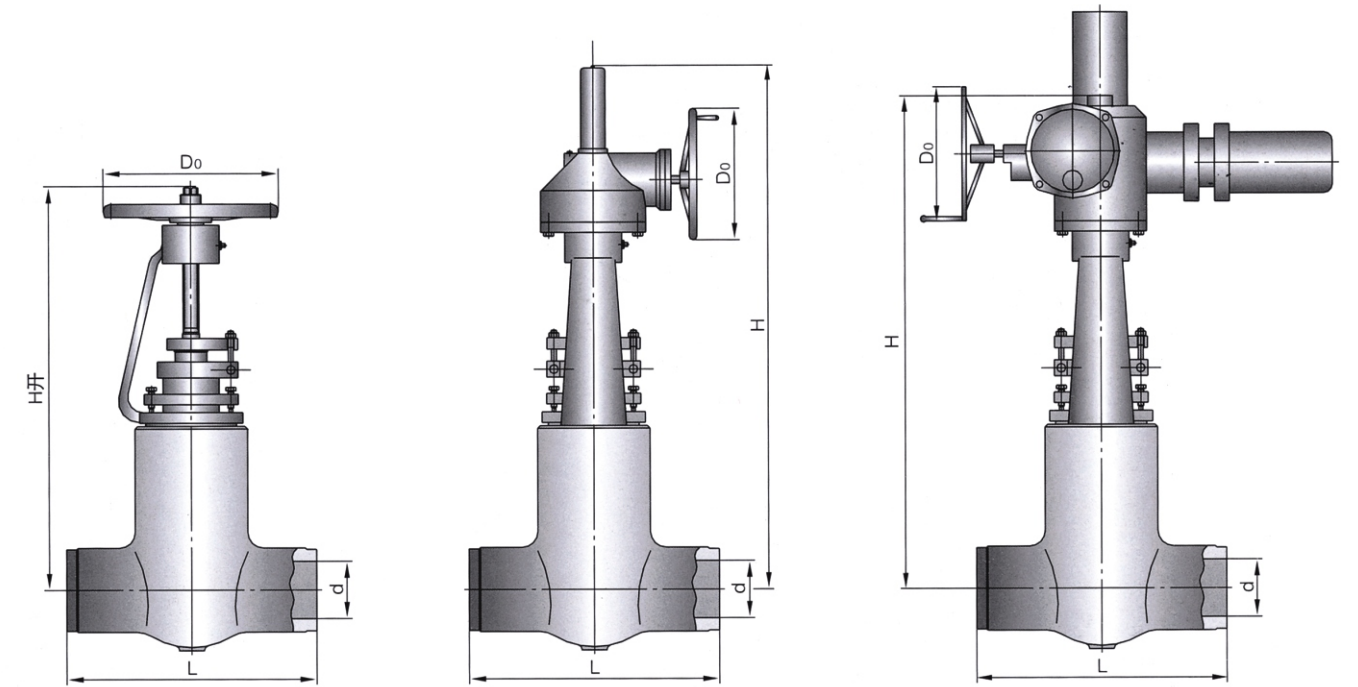


主要外形尺寸及重量Main size of outside & weight

型号Model: Z60Y-3000Lb

NPS (in)	电动Electric driving device					电动装置 Electric driving device
	L	d	H	D0	重量(kg) Weight	
10	930	151	1812	305	1459	SMC-1
12	1060	186	1831	457	2180	SMC-2
14	1118	214	2130	610	2870	SMC-3
22	1550	338	2656	610	5591	SMC-4

美标电站闸阀 Gate valve for power station as per ANSI B16.34

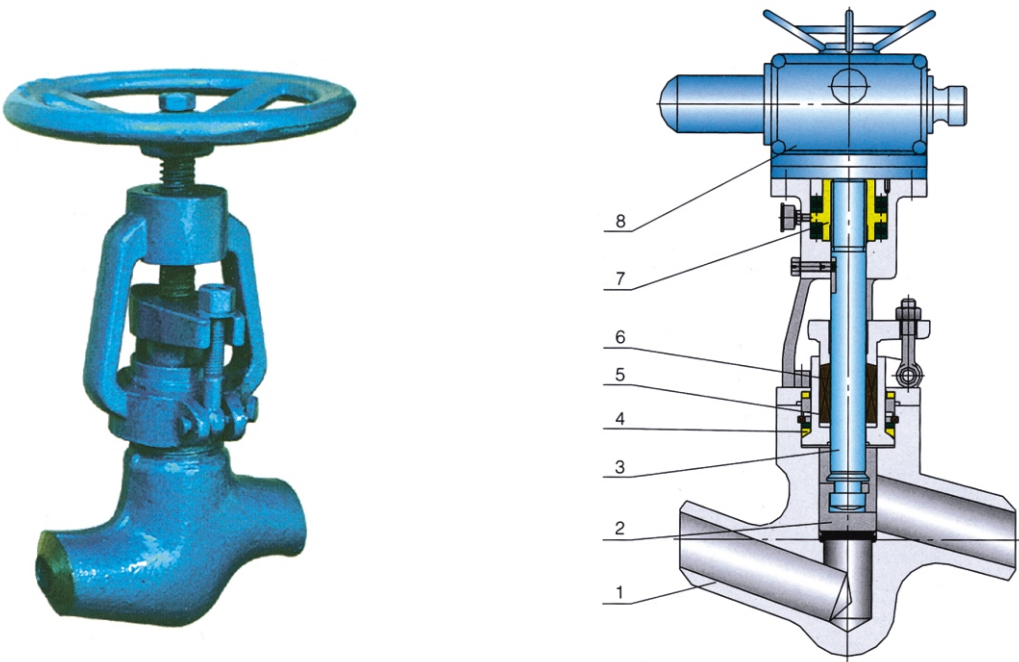


主要外形尺寸及重量Main size of outside & weight

型号Model: Z60Y-3500Lb、Z560Y-3500Lb、Z960Y-3500Lb

NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
3	440	44	760	260	210	-	-	-	-	920	508	269	SMC-03
4	540	56	900	300	300	-	-	-	-	1066	305	398	SMC-00
5	616	74	-	-	-	1047	310	391	BA-0	1166	305	507	SMC-0
6	692	88	-	-	-	1108	310	493	BA-0	1227	305	605	SMC-0
8	846	116	-	-	-	1322	460	916	BA-1	1456	305	1088	SMC-1
10	1000	142	-	-	-	1548	610	1527	BA-2	1652	457	1733	SMC-2
12	1124	174	-	-	-	1689	610	2197	BA-2	1844	610	2708	SMC-3
14	1219	196	-	-	-	-	-	-	-	2125	610	3180	SMC-4
18	1499	252	-	-	-	-	-	-	-	2695	610	4560	SMC-4

美标电站截止阀 Gate valve for power station as per ANSI B16.34



产品采用标准 Technical specification

设计标准 Design standard		ASME16.34、BS 1873、JIS E101
结构长度 Structural length	对焊连接Welded connection	ASME16.10
压力与温度Pressure and temperature		ASME16.34
试验和检验Test&inspection		API598、BS 6755、JIS E101
焊接坡口Weld the slope mouth		ASME B16.25

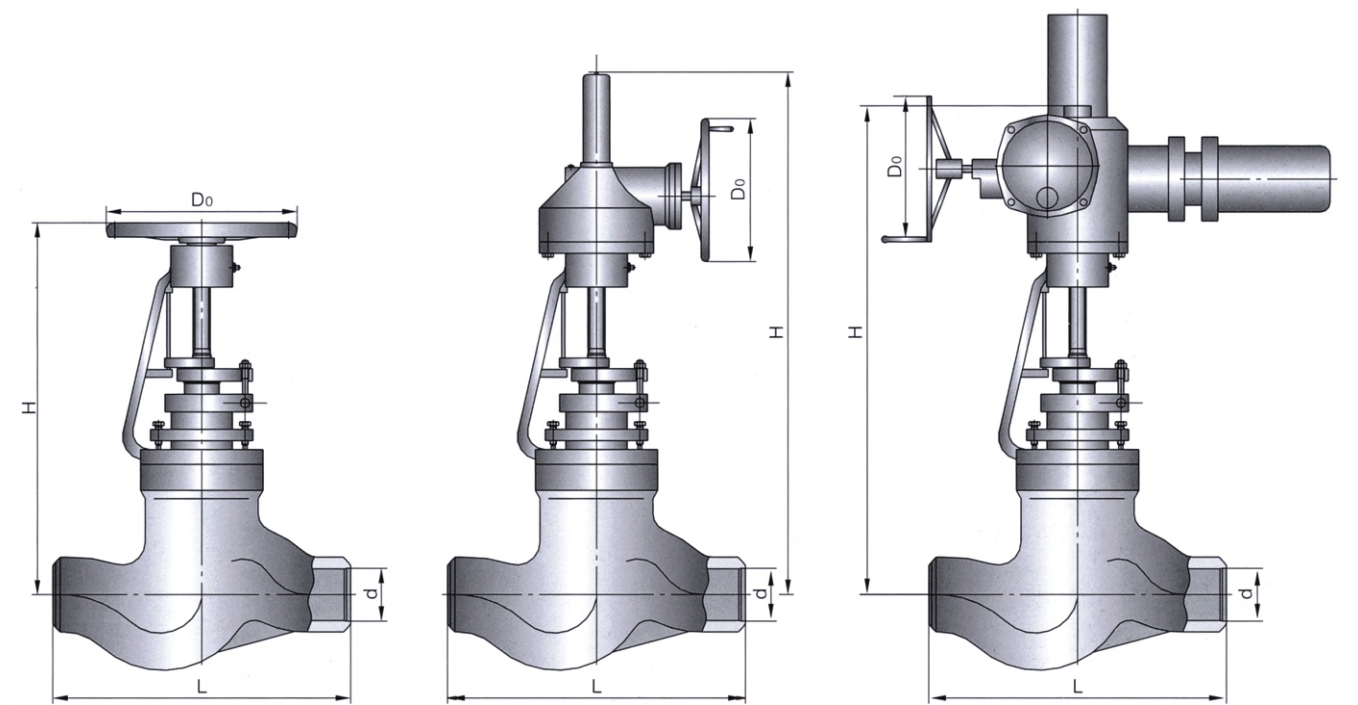
注：阀门连接法兰及焊接坡口可根据用户要求设计制造。
Note:valve connecting flange and welded groove can be designed and made upon the user requirements.

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、WB36
2	阀瓣Disc	A105、A182-F11、F22、F5、F9、F91、FB36
3	阀杆Stem	A182Gr.F6a、A182-F22、A182-F11、F9、F91、321、321H
4	密封圈Sealing ring	柔性石墨Graphite
5	阀盖 Bonnet	WCB、WC1、WC6、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Electronic device	组件Package

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美标电站截止阀 Gate valve for power station as per ANSI B16.34



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

型号Model: J61Y-1500Lb、J561Y-1500Lb、J961Y-1500Lb

NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
3	390	64	848	510	150	—	—	—	—	1030	305	265	SMC-00
4	480	84	910	560	240	—	—	—	—	1070	305	384	SMC-0
5	580	100	1030	610	251	995	460	303	BA-1	1135	457	520	SMC-1
6	630	126	—	—	—	1360	460	680	BA-1	1681	305	804	SMC-1
8	770	158	—	—	—	1500	610	762	BA-2	1860	305	948	SMC-1

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

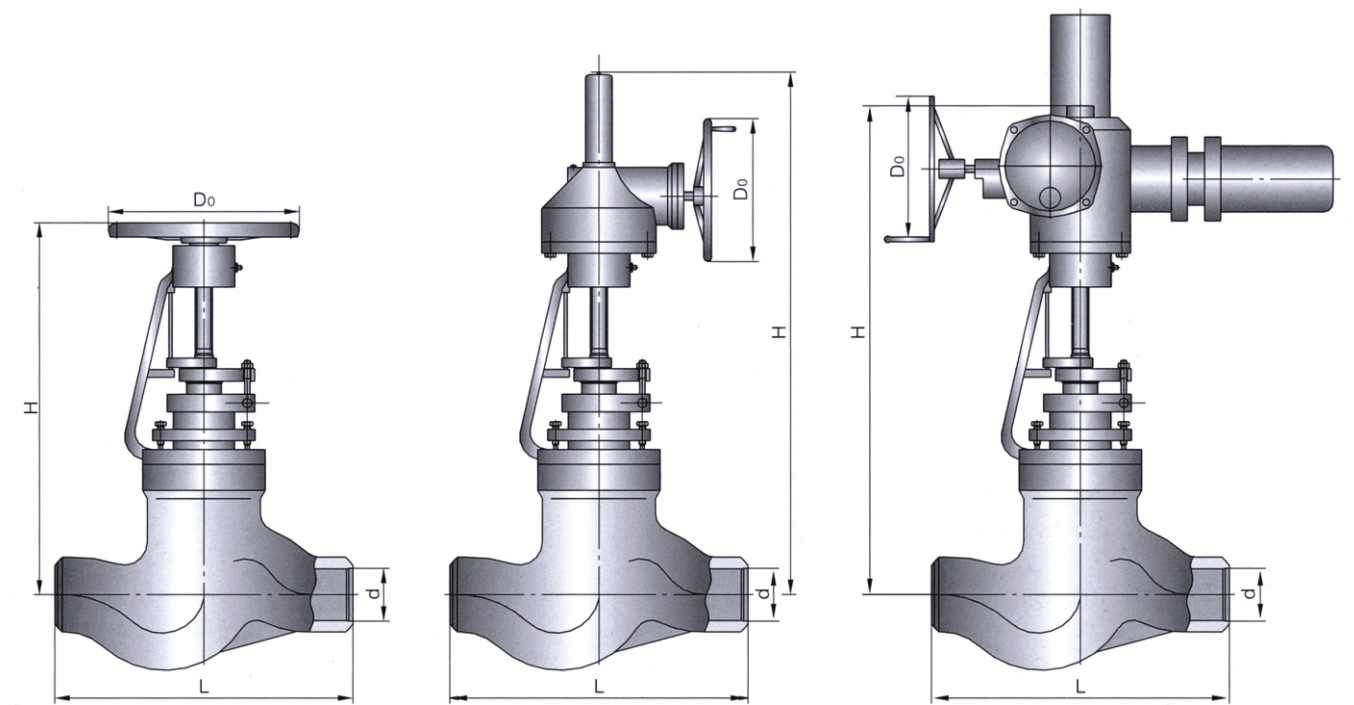
型号Model: J61Y-2000Lb、J561Y-2000Lb、J961Y-2000Lb

NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
2 1/2	420	50	815	510	160	—	—	—	—	975	305	340	SMC-0
3	470	60	895	560	200	—	—	—	—	1060	305	388	SMC-0
4	570	80	1024	700	280	1125	460	386	BA-1	1220	305	542	SMC-1
5	660	96	—	—	—	1370	610	460	BA-2	1425	457	646	SMC-2
6	760	118	—	—	—	1430	610	560	BA-2	1480	457	780	SMC-2



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美标电站截止阀 Gate valve for power station as per ANSI B16.34



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

型号Model: J61Y-2500Lb、J561Y-2500Lb、J961Y-2500Lb

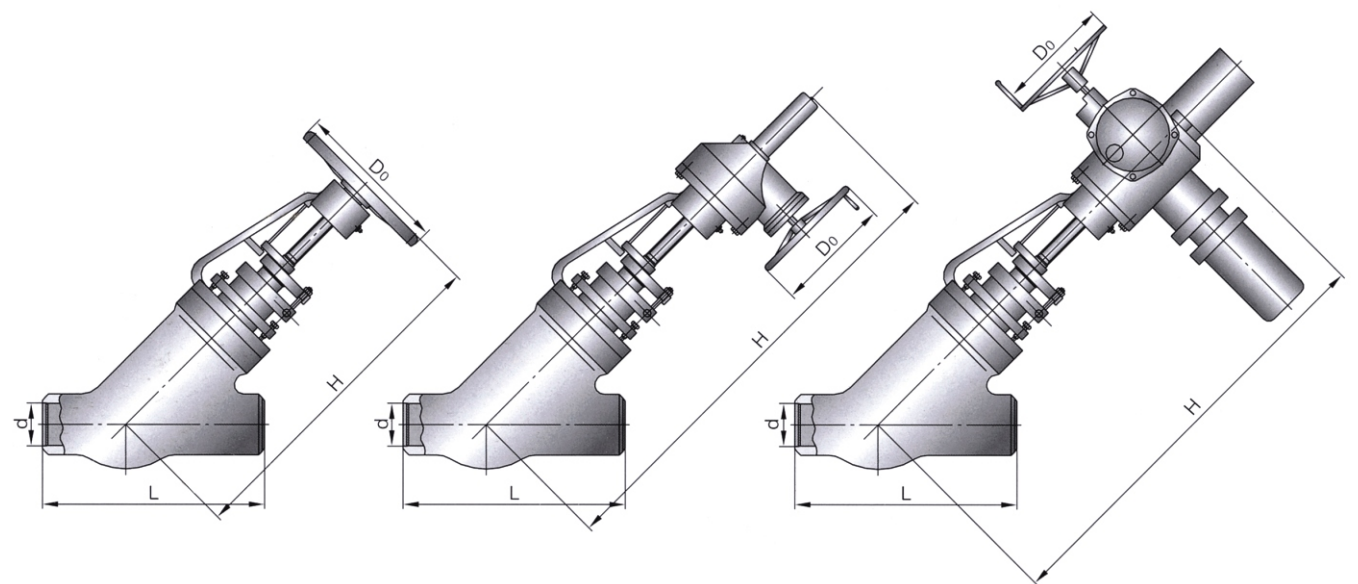
NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 Geared driving	电动Electric driving device			电动装置 Electric driving device
			H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		H	D0	重量(kg) Weight	
2 1/2	420	46	857	510	250	—	—	—	—	975	305	390	SMC-0
3	470	54	940	560	290	—	—	—	—	1065	305	430	SMC-0
4	570	70	1085	700	325	1125	460	406	BA-1	1220	305	700	SMC-1
5	660	88	—	—	—	1370	610	505	BA-2	1425	457	772	SMC-2
6	760	104	—	—	—	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: J61Y-3500Lb、J561Y-3500Lb、J961Y-3500Lb

NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
2 1/2	480	38	890	460	235	—	—	—	—	945	305	342	SMC-00
3	640	48	1030	560	425	1055	310	458	BA-0	1150	305	565	SMC-0
4	762	60	—	—	—	1264	460	614	BA-1	1366	305	810	SMC-0
5	864	74	—	—	—	1435	460	903	BA-1	1530	457	920	SMC-2
6	965	88	—	—	—	1600	760	1050	BA-3	1725	610	1100	SMC-3

美标电站Y形截止阀 Y-Type globe valve for power station as per ANSI B16.34



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

型号Model: J65Y-1500Lb、J565Y-1500Lb、J965Y-1500Lb

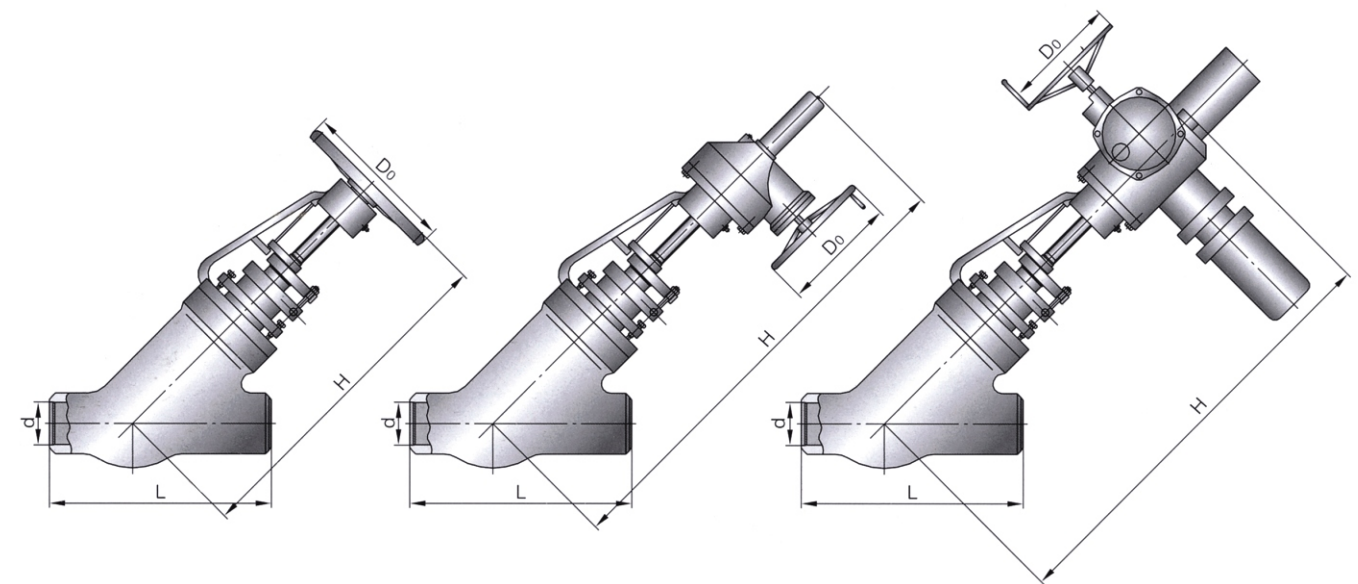
NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 Geared driving	电动Electric driving device			电动装置 Electric driving device
			H	D0	重量(kg) Weight	H	D0	重量(kg) Weight		H	D0	重量(kg) Weight	
2 1/2	330	54	670	360	45	—	—	—	—	—	—	—	—
3	368	64	750	460	70	—	—	—	—	990	305	200	SMC-0
4	457	84	830	510	110	—	—	—	—	990	305	310	SMC-1
5	533	100	910	560	129	1100	460	505	BA-1	1115	305	514	SMC-1
6	610	126	1100	610	180	1730	610	520	BA-2	1763	457	534	SMC-2
8	762	158	—	—	—	2010	610	820	BA-2	2026	457	950	SMC-2

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

型号Model: J565Y-2000Lb、J965Y-2000Lb

NPS (in)	L	d	齿动Geared driving			齿动装置 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	
4	457	80	870	460	214	BA-1	990	305	327	SMC-1
5	533	96	995	460	303	BA-1	1115	305	408	SMC-1
6	610	118	1025	610	470	BA-2	1423	457	470	SMC-2
8	762	148	1505	610	980	BA-2	1615	457	1050	SMC-2
10	914	180	1825	760	1280	BA-3	2240	610	1582	SMC-4
12	1041	222	2300	610	2714	B-4-PA-2	2490	610	2340	SMC-4

美标电站Y形截止阀 Y-Type globe valve for power station as per ANSI B16.34



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

型号Model: J65Y-2500Lb、J565Y-2500Lb、J965Y-2500Lb

NPS (in)	L	d	手动Hand operated			齿动Geared driving			齿动装置 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		H	D0	重量(kg) Weight	
2	310	38	550	300	42	—	—	—	—	810	305	130	SMC-00
2 1/2	340	46	670	360	72	—	—	—	—	895	305	160	SMC-00
3	390	54	750	460	81	750	310	121	BA-0	995	305	217	SMC-0
4	480	70	830	720	130	870	460	212	BA-1	990	305	337	SMC-1
5	580	86	—	—	—	995	460	312	BA-1	1115	305	432	SMC-1
6	630	104	—	—	—	1205	610	410	BA-2	1280	457	652	SMC-2
8	770	130	—	—	—	1565	610	1060	BA-2	1615	457	1122	SMC-2
10	930	162	—	—	—	1870	760	1380	BA-3	1930	610	1652	SMC-3
12	1060	210	—	—	—	2335	760	2824	B-4-PA-2	2240	610	2862	SMC-4
14	1160	234	—	—	—	2515	760	3624	B-4-PA-2	2420	610	3662	SMC-4

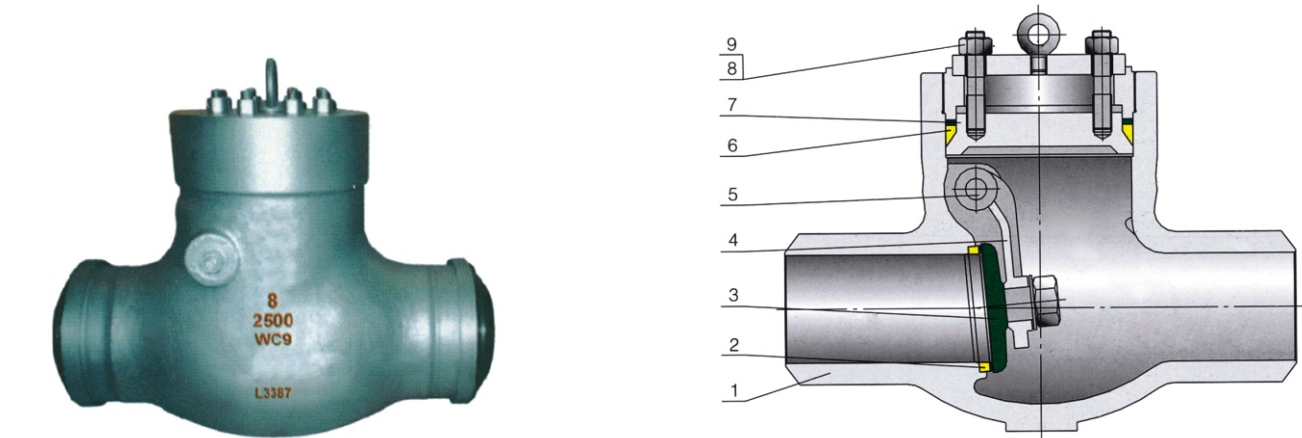
主要外形尺寸及重量Main size of outside & weight

型号Model: J565Y-3500Lb、J965Y-3500Lb

NPS (in)	L	d	齿动Geared driving			齿动装置 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	1005	305	272	SMC-0
4	550	60	930	310	293	BA-0	1133	305	387	SMC-0
5	660	74	1075	460	462	BA-1	1280	305	582	SMC-1
6	790	88	1220	460	727	BA-1	1320	305	847	SMC-1

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美标电站旋启式止回阀 Swing check valve for power station as per ANSI B16.34



产品采用标准 Technical specification

设计标准 Design standard		ASME16.34、BS 1868、JIS E101
结构长度 Structural length	对焊连接Welded connection	ASME16.10
压力与温度Pressure and temperature		ASME16.34、JIS E101
试验和检验Test&inspection		API598、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.

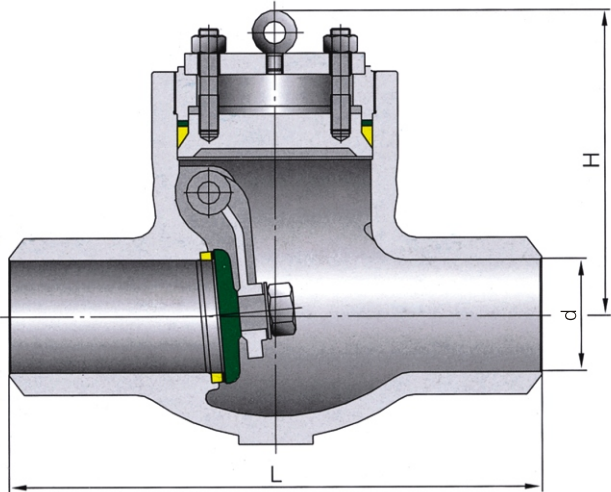
主要零件材料Major parts material form

序号 No	零件名称 Part name	材质Material
1	阀体Body	WCB、WC1、WC6、WC9、C12、C12A、WB36
2	阀座Seat	A105、A182–F11、F22、F5、F9、F91、FB36
3	阀瓣Disc	WCB、WC1、WC6、WC9、C12、C12A、WB36
4	摇杆Rocker	WCB、WC1、WC6、WC9、C12、C12A、WB36
5	销轴Sell the post	A182Gr.F6a、A182–F22、A182–F11、F9、F91、321、321H
6	密封圈Sealing ring	柔性石墨Graphite
7	阀盖 Bonnet	WCB、WC1、WC6、WC9、C12、C12A、WB36
8	双头螺栓Stud	A193–B7、A193–B16
9	螺母Nut	A194–2H、A194–4



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美标电站旋启式止回阀 Swing check valve for power station as per ANSI B16.34



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)	1500Lb				2000Lb				2500Lb			
	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	55	282	45	330	50	240	40	–	–	–	–
3	305	64	274	50	368	60	305	60	368	54	297	44
4	406	84	350	80	457	80	315	95	457	70	385	110
5	483	100	425	115	533	96	409	170	533	86	403	168
6	559	126	400	180	610	118	465	186	610	104	455	192
8	711	158	490	270	762	147	528	415	762	130	557	456
10	864	200	540	430	914	180	613	658	914	162	615	730
12	991	250	650	630	1041	222	660	1200	1041	210	715	1120
14	1067	280	710	1400	1118	254	745	1638	1118	234	790	1495
16	1194	325	780	1540	1200	285	798	1755	1245	264	815	1950
18	1220	352	795	1780	1280	321	805	2170	1397	304	815	2400

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国标电站阀门
 Valve for power station as per Chinese standard

产品性能规范
 Products performance specification

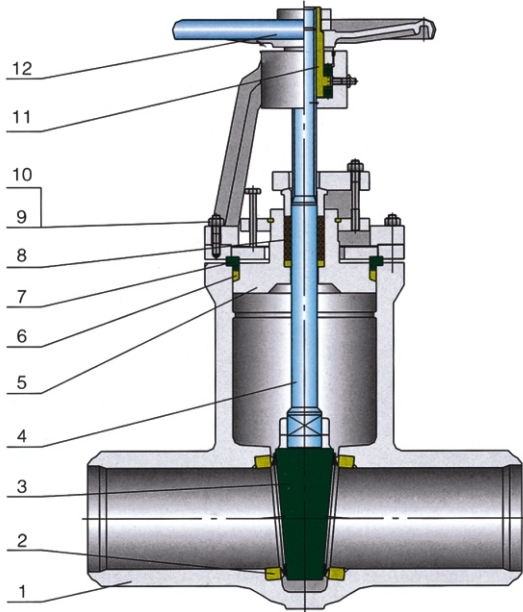
型号 Model	公称压力 (MPa) Pressure class	试验压力 Test Pressure(MPa)			工作压力 Working Pressure (MPa)	工作温度 Working temperature	适用介质 Applicable medium
		强度试验 Shell test	密封试验 Seat test	上密封试验 Back seat test			
Z960Y-250 J961Y-250	250	37.5	27.5	27.5	14.5	427℃	水、蒸汽 Water,steam
Z960Y-320 J961Y-320	320	48.0	35.2	35.2	12.5	427℃	
Z960Y-P ₅₄ 100	P ₅₄ 100	30.0	11.0	11.0	10.0	540℃	蒸汽 Steam
Z960Y-P ₅₄ 170V J961Y-P ₅₄ 170V	P ₅₄ 170	48.0	18.7	18.7	17.0	540℃	

产品主要参数
 Main parameter of the products

基本型号 Serial models	闸 阀Gate valve		Z60Y、Z560Y、Z960Y				
	截止 阀Globe valve		J61Y、J561Y、J961Y、J65Y、J565Y、J965Y、J661、J665Y				
	止 回 阀Check valve		H64Y 、 H61Y				
压力等级范围Pressure grade range			25.0MPa、32.0MPa、P ₅₄ 100、P ₅₄ 170、P ₅₅ 170V				
通径范围Drift 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	32.0MPa	P ₅₄ 100	P ₅₄ 170	P ₅₅ 170V
			DN100~300mm	DN100~250mm	DN175~250mm	DN175~350mm	
	截止 阀 Globe valve	手轮驱动、电动 Hand wheel driving Electric driving	25.0MPa、32.0MPa、P ₅₄ 100、P ₅₄ 140、P ₅₄ 170、P ₅₅ 170V				
			DN10~100mm				

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国标电站闸阀 Gate Valve for power station as per Chinese standard



产品采用标准 Technical specification

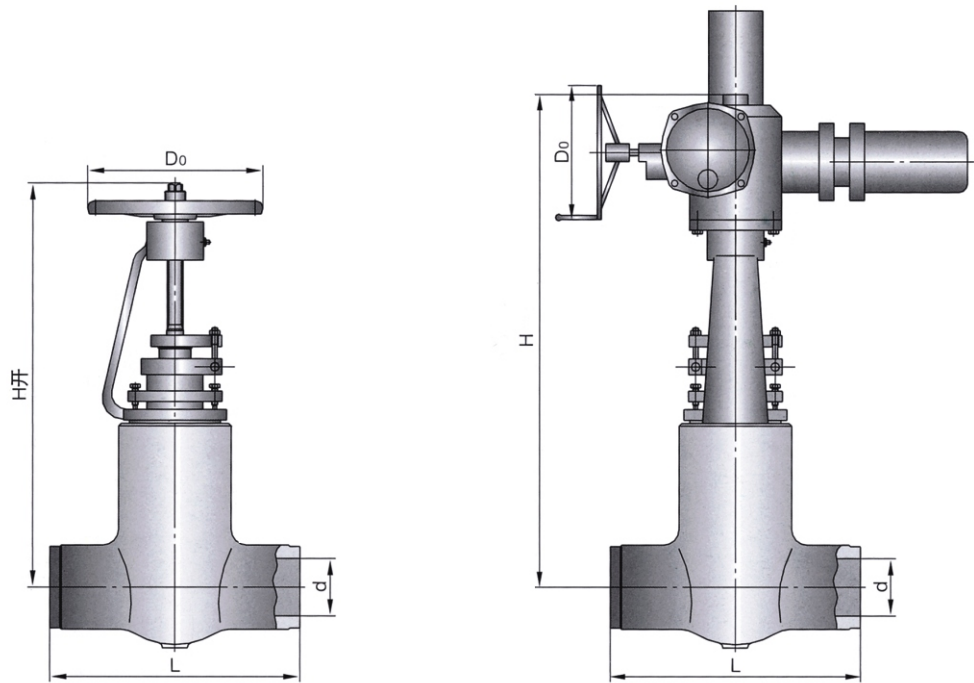
设计标准Design standard		GB/T12224、JB/T3595、DL/T922
结构长度 Structural length	对焊连接Welded connection	GB/T 12221
压力与温度Pressure and temperature		JB/T 3595、DL/T922
试验和检验Test&inspection		JB/T 3595
焊接坡口Weld the slope mouth		GB/T12224、JB/T3595

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、C12A
2	阀座Seat	25、15CrMoA、12CrMoVA
3	闸板Disc	WCB、WC1、WC6、WC9、C12A
4	阀杆Stem	1Cr17Ni12、2Cr13、20Cr1MoV、25Cr2Mo1V
5	阀盖 Bonnet	WCB、WC1、WC6、WC9、C12A
6	密封圈Sealing ring	柔性石墨Graphite
7	四开环Quarto ring	1Cr13、2Cr13、F11、F22、F91
8	填料Packing	柔性石墨Graphite
9	双头螺柱Stud	35CrMoA、25Cr2MoV
10	螺母Nut	45、35CrMoA、25Cr2MoV
11	阀杆螺母Valve stem nut	铜合金Copper alloy
12	手轮Handwheel 电动装置 Motor	QT400–15/组件 Package

国标电站闸阀
 Gate Valve for power station as per Chinese standard



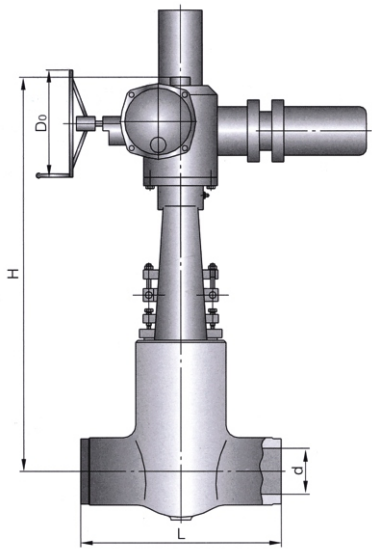
主要外形尺寸及重量Main size of outside and weight
 型号Model:Z960Y-250

DN (mm)	尺寸Dimensions(mm)				重量(kg) Weight	电动装置 Electric driving device
	L	d	H	D ₀		
100	483	106	1194	508	223	SMC-03
125	559	126	1270	305	395	SMC-0
175	711	158	1325	305	555	SMC-0
225	864	210	1530	457	850	SMC-1
250	991	250	1804	305	1280	SMC-1
275	1067	282	2155	457	1725	SMC-2
300	1194	318	2167	610	2429	SMC-3

型号Model:Z960Y-320

DN (mm)	尺寸Dimensions(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	1349	305	626	SMC-0
225	914	180	1690	305	1020	SMC-1
250	1041	222	1830	457	1320	SMC-2

国标电站闸阀
 Gate Valve for power station as per Chinese standard



主要外形尺寸及重量Main size of outside and weight
 型号Model:Z960Y-P₅₄100

DN (mm)	尺寸Dimensions(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	1349	305	626	SMC-0
225	914	180	1690	305	1020	SMC-1
250	1041	222	1830	457	1320	SMC-2

型号Model:Z960Y-P₅₄140

DN (mm)	尺寸Dimensions(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	162	1468	305	1152	SMC-1
250	1041	210	1890	457	1520	SMC-2

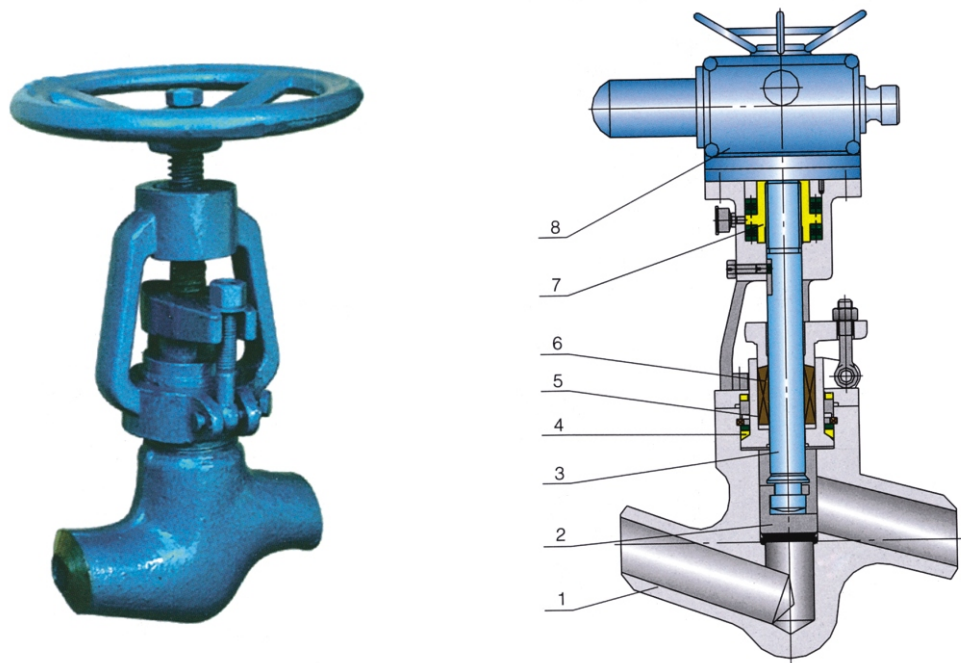
型号Model:Z960Y-P₅₄170

DN (mm)	尺寸Dimensions(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	186	1831	457	2180	SMC-2
250	1118	214	2130	457	2870	SMC-2
350	1550	338	2456	610	5591	SMC-4

型号Model:Z960Y-P₅₅170V

DN (mm)	尺寸Dimensions(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	186	1831	457	2180	SMC-2
250	1118	214	2130	457	2870	SMC-2
350	1550	338	2456	610	5591	SMC-4

国标电站截止阀 Gate Valve for power station as per Chinese standard



产品采用标准 Technical specification

设计标准Design standard		GB/T12224、JB/T3595、DL/T922
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 3595、DL/T922
试验和检验Test&inspection		JB/T 3595
焊接坡口Weld the slope mouth		GB/T12224、JB/T3595

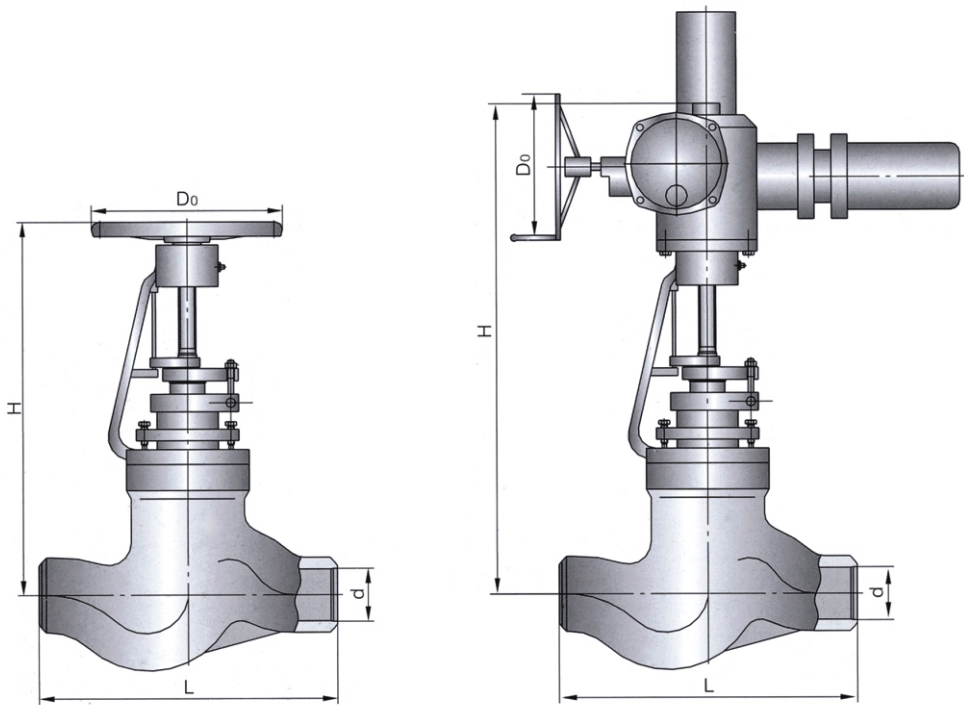
注：阀门连接法兰及焊接坡口可根据用户要求设计制造。
 Note:valve connecting flange and welded groove can be designed and made upon the user requirements.

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、C12A
2	阀瓣Disc	25、12Cr1MoVA、1Cr13、15CrMo、9Cr1MoVA
3	阀杆Stem	1Cr71Ni12、2Cr13、20Cr1Mo1VA、25Cr2MoVA、9Cr1MoVA
4	密封圈Sealing ring	柔性石墨Graphite
5	阀盖 Bonnet	WCB、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,Electronic device	QT450,组件Package



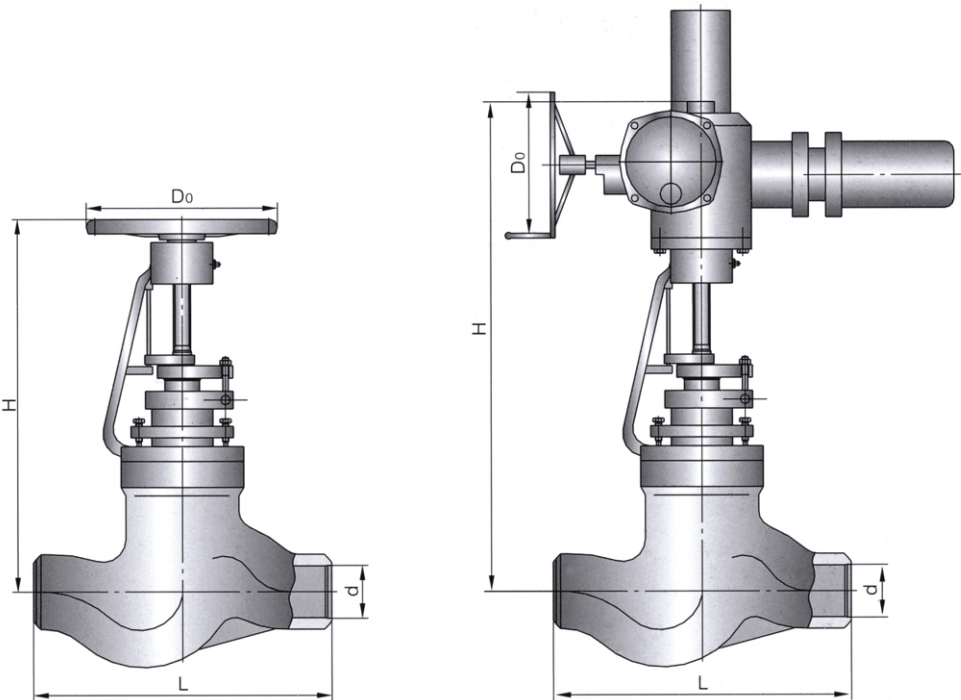
国标电站截止阀 Gate Valve for power station as per Chinese standard



主要外形尺寸及重量Main size of outside and weight
 型号Model:J61Y-250、J961Y-250

DN (mm)	L	d	手动Hand-operated			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	160	8	—	—	—	—
20	170	19	272	180	10	600	250	72.5	DZW10
25	1780	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	675	250	81.0	DZW20
50	250	42	493	320	36.3	736	250	85	DZW30
65	340	56	775	460	120	1060	450	188	DZW45
80	390	64	848	510	150	1280	560	275	DZW90
100	480	84	910	560	240	1290	560	310	DZW90

国标电站截止阀 Gate Valve for power station as per Chinese standard

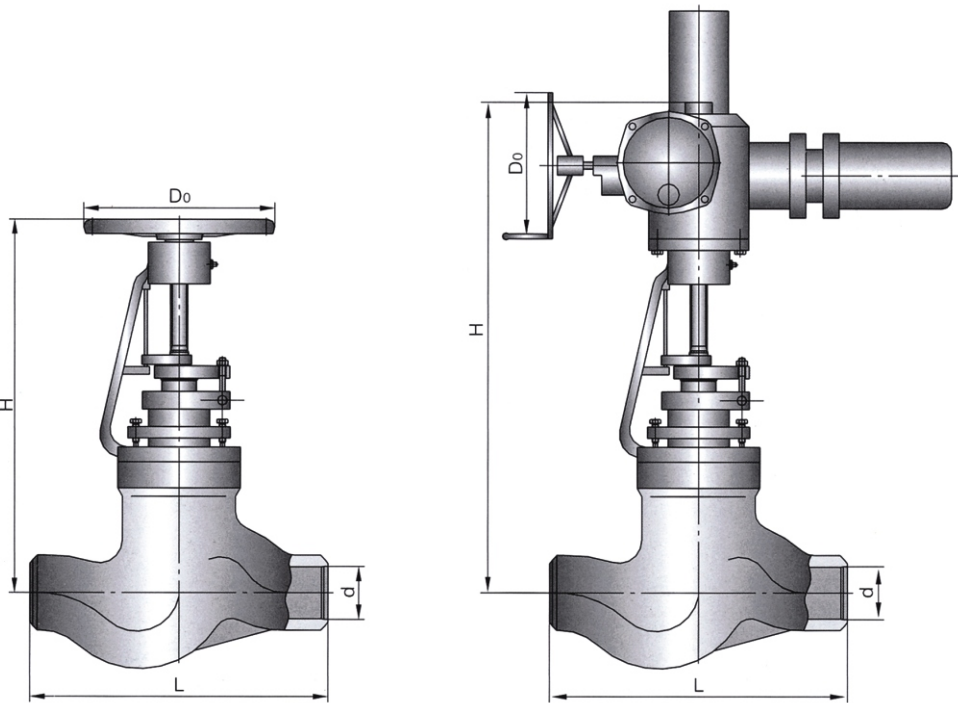


主要外形尺寸及重量Main size of outside and weight
 型号Model:J61Y-320、J961Y-320

DN (mm)	L	d	手动Hand-operated			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	160	8	—	—	—	—
20	170	19	272	180	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	685	250	81.0	DZW20
50	250	42	493	320	36.3	736	250	85	DZW30
65	470	60	895	560	200	1140	450	190	DZW90
80	570	80	4085	700	280	1350	560	460	DZW120
100	660	96	1045	700	340	1500	600	610	DZW180



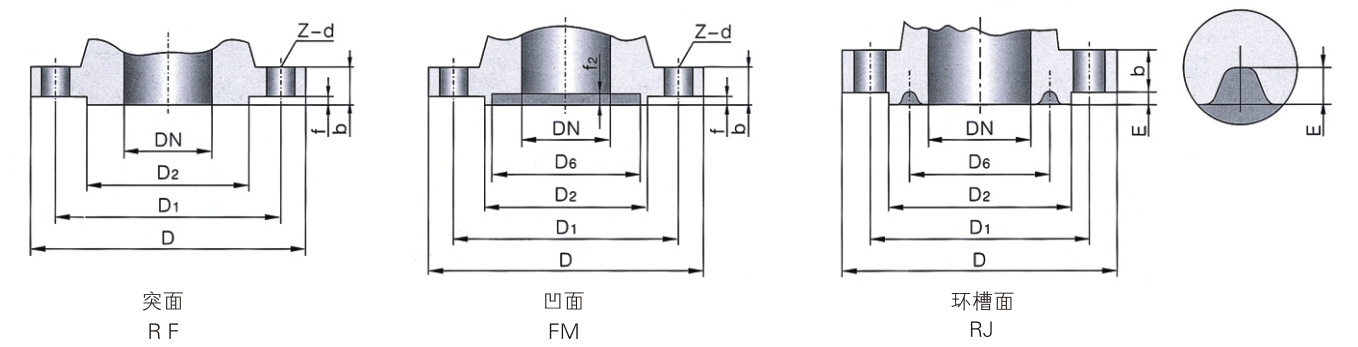
国标电站截止阀 Gate Valve for power station as per Chinese standard



主要外形尺寸及重量Main size of outside and weight
 型号Model:J61Y-P₅₄170V、J961Y-P₅₄170V

DN (mm)	L	d	手动Hand-operated			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	160	8	—	—	—	—
20	170	19	272	180	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	685	250	81.0	DZW20
50	250	42	493	320	36.3	736	250	85	DZW30
65	762	60	895	610	500	1543	560	785	DZW90
80	864	80	1315	900	750	1790	560	1089	DZW120
100	965	88	1475	900	1000	1891	600	1451	DZW180

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R F)

公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸Dimension(mm)					
		D	D ₁	D ₂	b	f	z-d
1.0	25	115	85	65	16	2	4-14
	32	135	100	78	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	8-23
	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	565	515	482	32	4	16-25
	450	615	565	532	32	4	20-25
	500	670	620	585	34	4	20-25
	600	780	725	685	36	5	20-30
	700	895	840	800	40	5	24-30
	800	1010	950	905	44	5	24-34
	900	1110	1050	1005	46	5	28-34
	1000	1220	1160	1115	50	5	28-34
	1200	1450	1380	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	D ₁	D ₂	b	f	z-d
1.6	15	95	65	45	14	2	4-14
	20	105	75	55	14	2	4-14
	25	115	85	65	14	2	4-14
	32	135	100	78	16	2	4-18
	40	145	110	85	16	3	4-18
	50	160	125	100	16	3	4-18
	65	180	145	120	18	3	4-18
	80	195	160	135	20	3	8-18
	100	215	180	155	20	3	8-18
	125	245	210	185	22	3	8-18
	150	280	240	210	24	3	8-23
	200	335	295	265	26	3	12-23
	250	405	355	320	30	3	12-25
	300	460	410	375	30	4	12-25
	350	520	470	435	34	4	16-25
	400	580	525	485	36	4	16-30
	450	640	585	545	40	4	20-30
	500	705	650	608	44	4	20-34
	600	840	770	718	48	5	20-41
	700	910	840	788	50	5	24-41
	800	1020	950	898	52	5	24-41
	900	1120	1050	998	54	5	28-41
	1000	1255	1170	1110	56	5	28-48
	1200	1485	1390	1325	58	5	32-54
2.5	10	90	60	40	16	2	4-14
	15	95	65	45	16	2	4-14
	20	105	75	55	16	2	4-14
	25	115	85	65	16	2	4-14
	32	135	100	78	18	2	4-18
	40	145	110	85	18	3	4-18
	50	160	125	100	20	3	4-18
	65	180	145	120	22	3	8-18
	80	195	160	135	22	3	8-18
	100	230	190	160	24	3	8-23
	125	270	220	188	28	3	8-25
	150	300	250	218	30	3	8-25
	200	360	310	278	34	3	12-25
	250	425	370	332	36	3	12-30
	300	485	430	390	40	4	16-30
	350	550	490	448	44	4	16-34
	400	610	550	505	48	4	16-34
	450	660	600	555	50	4	20-34
	500	730	660	610	52	4	20-41
	600	840	770	718	56	5	20-41
	700	955	875	815	60	5	24-48
	800	1070	990	930	64	5	24-48
	900	1180	1090	1025	66	5	28-54
	1000	1305	1210	1140	67	5	28-58
	1200	1525	1420	1350	72	5	32-58

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FM)

公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸Dimension(mm)							
		D	D ₁	D ₂	D ₆	b	f	f ₂	z-d
4.0	15	95	65	45	40	16	2	4	4-14
	20	105	75	55	51	16	2	4	4-14
	25	115	85	65	58	16	2	4	4-14
	32	135	100	78	66	18	2	4	4-18
	40	145	110	85	76	18	3	4	4-18
	50	160	125	100	88	20	3	4	4-18
	65	180	145	120	110	22	3	4	8-18
	80	195	160	135	121	22	3	4	8-18
	100	230	190	160	150	24	3	4.5	8-23
	125	270	220	188	176	28	3	4.5	8-25
	150	300	250	218	204	30	3	4.5	8-25
	200	375	320	282	260	38	3	4.5	12-30
	250	445	385	345	313	42	3	4.5	12-34
	300	510	450	408	364	46	4	4.5	16-34
	350	570	510	465	422	52	4	5	16-34
	400	655	585	535	474	58	4	5	16-41
	450	680	610	560	524	60	4	5	20-41
	500	755	670	612	576	62	4	5	20-48
	600	890	795	730	678	62	5	6	20-54
	700	995	900	835	768	68	5	6	24-54
	800	1135	1030	960	876	76	5	6	24-58
6.4	15	105	75	55	40	18	2	4	4-14
	20	125	90	68	51	20	2	4	4-18
	25	135	100	78	58	22	2	4	4-18
	32	150	110	82	66	24	2	4	4-23
	40	165	125	95	76	24	3	4	4-23
	50	175	135	105	88	26	3	4	4-23
	65	200	160	130	110	28	3	4	8-23
	80	210	170	140	121	30	3	4	8-23
	100	250	200	168	150	32	3	4.5	8-25
	125	295	240	202	176	36	3	4.5	8-30
	150	340	280	240	204	38	3	4.5	8-34
	200	405	345	300	260	44	3	4.5	12-34
	250	470	400	352	313	48	3	4.5	12-41
	300	530	460	412	364	54	4	4.5	16-41
	350	595	525	475	422	60	4	5	16-41
	400	670	585	525	474	66	4	5	16-48
	450	715	630	570	524	70	4	5	20-48
	500	800	705	640	576	70	4	5	20-54
	600	930	820	750	678	76	5	6	20-58
	700	1045	935	865	768	84	5	6	24-58



整体钢制管法兰 Pipe flange of integral steel

法兰连接尺寸Connection dimension JB/T79.4(环槽面RJ)

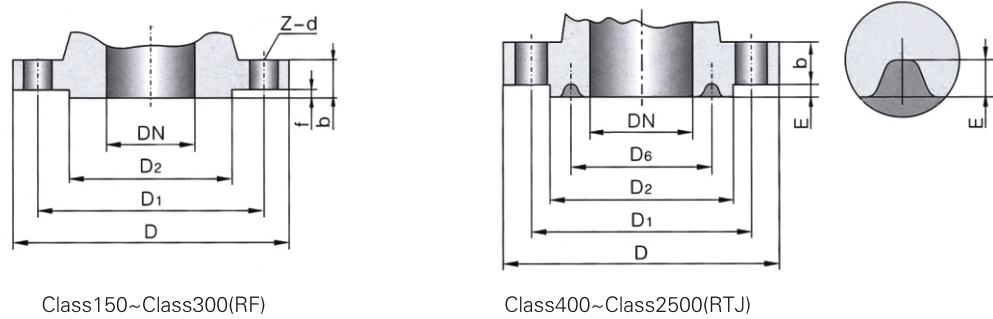
公称压力 Nominal pressure PN(MPa)	DN (mm)	尺寸Dimension(mm)							
		D	D ₁	D ₂	D ₆	b	f	f ₂	z-d
10.0	15	105	75	55	35	20	2	4	4-14
	20	125	90	68	45	22	2	4	4-18
	25	135	100	78	50	24	2	4	4-18
	32	150	110	82	65	24	2	4	4-23
	40	165	125	95	75	26	3	4	4-23
	50	195	145	112	85	28	3	4	4-25
	65	220	170	138	110	32	3	4	8-25
	80	230	180	148	115	34	3	4	8-25
	100	265	210	172	145	38	3	4.5	8-30
	125	310	250	210	175	42	3	4.5	8-34
	150	350	290	250	205	46	3	4.5	12-34
	200	430	360	312	265	54	3	4.5	12-41
	250	500	430	382	320	60	3	4.5	12-41
	300	585	500	442	375	70	4	4.5	16-48
	350	655	560	498	420	76	4	5	16-54
	400	715	620	558	480	80	4	5	16-54
	450	770	675	615	540	84	4	5	16-58
	500	870	760	690	590	90	5	5	20-58
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	132	95	36	3	4	8-25
	65	245	190	152	110	44	3	4	8-30
	80	260	205	168	130	46	3	4	8-30
	100	300	240	200	160	48	3	4.5	8-34
	125	355	285	238	190	60	3	4.5	8-41
	150	390	318	270	205	66	3	4.5	12-41
	200	480	400	345	275	78	3	4.5	12-48
	250	580	485	425	330	88	3	4.5	12-54
	300	665	570	510	380	100	4	4.5	16-54
20.0	15	120	82	28	40	26	2	5	4-23
	20	130	90	35	45	28	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	97	110	48	3	5	8-30
	80	290	230	116	160	54	3	5	8-34
	100	360	292	138	190	66	3	6	8-41
	125	385	318	170	205	78	3	6	12-41
	150	440	360	190	240	82	3	6	12-48
	200	535	440	245	305	92	3	6	12-54
	250	670	572	319	380	110	3	6	12-58

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)					
		D	D ₁	D ₆	b	z-d	槽号(R) Number of the trough
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	50.8	29	4-26	16
	32	160	111	60.32	29	4-26	18
	40	180	124	68.28	32	4-29.5	20
	50	215	165	95.25	38.5	8-26	24
	65	245	190.5	107.95	41.5	8-29.5	27
	80	265	203	136.52	48	8-32.5	35
	100	310	241.5	161.92	54	8-35.5	39
	125	375	292	193.68	73.5	8-42	44
	150	395	317.5	211.12	83	12-39	46
	200	485	393.5	269.88	92	12-45	50
	250	585	482.5	323.85	108	12-51	54
	300	675	571.5	381	124	16-55	58
	350	750	635	419.1	133.5	16-60	63
42.0	400	825	705	469.9	146.5	16-68	67
	450	915	774.5	533.4	162	16-74	71
	500	985	832	584.2	178	16-80	75
	600	1170	990.5	692.15	203.5	16-94	79
	15	135	89	42.88	30.5	4-22	13
	20	140	95	50.8	32	4-22	16
	25	160	108	60.32	35	4-26	18
	32	185	130	72.24	38.5	4-29.5	21
	40	205	146	82.55	44.5	4-32.5	23
	50	235	171.5	101.6	51	8-29.5	26
	65	265	197	111.12	57.5	8-32.5	28
	80	305	228.5	127	67	8-35.5	32
	100	355	273	157.18	76.5	8-42	38
	125	420	324	190.5	92.5	8-48	42
	150	485	368.5	228.6	108	8-55	47

美标法兰 ANSI Flange



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)					
	mm	in	D	D ₁	D ₂	b	螺栓数量(Z) Quantity of the bolt	螺栓孔径 (Φ) Aperture of the bolt
Class150	15	1/ 2	89	60.5	35	11.5	4	16
	20	3/ 4	98	70	43	12.5	4	16
	25	1	108	79.5	51	14	4	16
	32	1 1/ 4	117	89	64	16	4	16
	40	1 1/ 2	127	98.5	73	17.5	4	16
	50	2	152	120.5	92	19	4	19
	65	2 1/ 2	178	139.5	105	22.5	4	19
	80	3	190	152.5	127	24	4	19
	100	4	229	190.5	157	24	8	19
	125	5	254	216	186	24	8	22
	150	6	279	241.5	216	26	8	22
	200	8	343	298.5	270	29	8	22
	250	10	406	362	324	31	12	25
	300	12	483	432	381	32	12	25
	350	14	533	476	413	35	12	29
	400	16	597	540	470	37	16	29
	450	18	635	578	533	40	16	32
	500	20	699	635	584	43	20	32
	600	24	813	749.5	692	48	20	35

美标法兰 ANSI Flange

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)					
	mm	in	D	D ₁	D ₂	b	螺栓数量(Z) Quantity of the bolt	螺栓孔径 (Φ) Aperture of the bolt
Class300	15	1/ 2	95	66.5	35	15	4	16
	20	3/ 4	117	82.5	43	16	4	19
	25	1	124	89	51	18	4	19
	32	1 1/ 4	133	98.5	64	19	4	19
	40	1 1/ 2	156	114.5	73	21	4	22
	50	2	165	127	92	23	8	19
	65	2 1/ 2	190	149	105	26	8	22
	80	3	210	168.5	127	29	8	22
	100	4	254	200	157	32	8	22
	125	5	279	235	186	35	8	22
	150	6	318	270	216	37	12	22
	200	8	381	330	270	42	12	25
	250	10	445	387.5	324	48	16	29
	300	12	521	451	381	51	16	32
	350	14	584	514.5	413	54	20	32
	400	16	648	571.5	470	58	20	35
	450	18	711	628.5	533	61	24	35
	500	20	775	686	584	64	24	35
	600	24	914	813	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)						
	mm	in	D	D ₁	D ₂	D ₆	b	螺栓数量(Z) Quantity of the bolt	螺栓孔径 (Φ) Aperture of the bolt
Class400	15	1/ 2	95	66.5	50.8	34.1	14.5	4	16
	20	3/ 4	118	82.5	63.5	42.9	16	4	19
	25	1	124	89	70	50.8	17.5	4	19
	32	1 1/ 4	133	98.5	79	60.3	21	4	19
	40	1 1/ 2	156	114.5	90	68.3	22.5	4	22
	50	2	165	127	108	82.6	25.5	8	19
	65	2 1/ 2	190	149	127	101.6	29	8	22
	80	3	210	168	146	123.8	32	8	22
	100	4	254	200	175	149.2	35	8	26
	125	5	279	234.9	210	181	38.5	8	26
	150	6	318	269.9	241	211.1	41.5	12	26
	200	8	381	330.2	302	270	48	12	29
	250	10	445	387.3	356	323.9	54	16	32
	300	12	520	450.8	413	381	57.5	16	35
	350	14	585	514.3	457	419.1	60.5	20	35
	400	16	650	571.5	508	469.9	63.5	20	39
	450	18	710	628	574.5	533.4	67	24	39
	500	20	775	685.8	635	584.2	70	24	42
	600	24	915	812.8	749	692.2	76.5	24	48



美标法兰 ANSI Flange

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)						
	mm	in	D	D ₁	D ₂	D ₆	b	螺栓数量(Z) Quantity of the bolt	螺栓孔径 (Φ) Aperture of the bolt
Class600	15	1/ 2	95	66.5	50.8	34.1	15	4	16
	20	3/ 4	118	82.5	63.5	42.9	16	4	19
	25	1	124	89	70	50.8	18	4	19
	32	1 1/ 4	133	98.5	79	60.3	21	4	19
	40	1 1/ 2	156	114.5	90	68.3	23	4	22
	50	2	165	127	108	82.6	26	8	19
	65	2 1/ 2	190	149	127	101.6	29	8	22
	80	3	210	168	146	123.8	32	8	22
	100	4	273	216	175	149.2	38	8	25
	125	5	330	266.5	210	181	45	8	29
	150	6	356	292	241	211.1	48	12	29
	200	8	419	349	302	270	56	12	32
	250	10	508	432	356	323.9	64	16	35
	300	12	559	489	413	381	67	20	35
	350	14	603	527	457	419.1	70	20	38
	400	16	686	603	508	469.9	77	20	41
	450	18	743	654	574.5	533.4	83	20	44
	500	20	813	724	635	584.2	89	24	44
	600	24	940	838	749	692.2	102	24	52
Cclass900	15	1/ 2	121	82.5	60.5	39.7	22.5	4	23
	20	3/ 4	130	88.9	66.5	44.5	25.5	4	23
	25	1	149	101.6	71	50.8	29	4	26
	32	1 1/ 4	159	111.1	81	60.3	29	4	26
	40	1 1/ 2	178	123.8	92	68.3	32	4	29
	50	2	216	165.1	124	95.3	38.5	8	26
	65	2 1/ 2	244	190.5	137	108	41.5	8	29
	80	3	241	190.5	156	123.8	38.5	8	26
	100	4	292	234.9	181	149.2	44.5	8	32
	125	5	349	279.4	216	181	51	8	35
	150	6	381	317.5	241	211.1	56	12	32
	200	8	470	393.7	308	269.9	63.5	12	39
	250	10	545	469.9	362	323.9	70	16	39
	300	12	610	533.4	419	381	79.5	20	39
	350	14	640	558.8	467	419.1	86	20	42
	400	16	705	615.9	524	469.9	89	20	45
	450	18	785	685.8	594	533.4	102	20	51
	500	20	855	749.3	648	584.2	108	20	54
	600	24	1040	901.7	772	692.2	140	20	67

美标法兰 ANSI Flange

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)						
	mm	in	D	D ₁	D ₂	D ₆	b	螺栓数量(Z) 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	88.9	66.5	44.5	25.5	4	23
	25	1	149	101.6	71	50.8	29	4	26
	32	1 1/4	159	111.1	81	60.3	29	4	26
	40	1 1/2	178	123.8	92	68.3	32	4	29
	50	2	216	165.1	124	95.3	38.5	8	26
	65	2 1/2	244	190.5	137	108	41.5	8	29
	80	3	267	203.2	168	136.5	48	8	32
	100	4	311	241.3	193.5	161.9	54	8	35
	125	5	375	292.1	229	193.7	73.5	8	42
	150	6	394	317.5	251	211.1	83	12	39
	200	8	483	393.7	317.5	269.9	92.9	12	45
	250	10	585	482.6	371	234.9	108	12	51
	300	12	675	571.5	438	381	124	16	54
	350	14	750	635	489	419.1	133.5	16	61
	400	16	825	704.8	546	469.9	146.5	16	67
	450	18	915	774.7	613	533.4	162	16	74
	500	20	985	831.8	673	584.2	178	16	80
	600	24	1170	990.6	794	692.2	203.5	16	93
Class2500	15	1/2	133	88.9	65	42.9	30.5	4	23
	20	3/4	140	95.2	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	203	146	114	82.6	44.5	4	32
	50	2	235	171.4	133	101.6	51	8	29
	65	2 1/2	267	196.8	149	111.1	57.5	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	419	323.8	241	190.5	92.5	8	48
	150	6	483	368.3	279	228.6	108	8	54
	200	8	550	438.1	340	279.4	127	12	54
	250	10	675	539.7	425	342.9	165.5	12	67
	300	12	760	619.1	495	406.4	184.5	12	74



对接焊端 Butt-welding ends

对接焊端Butt-welding ends ASME B16.25

公称管径 Nominal pipe Size	管号 Schedule number or wall	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	2.88	73.0	2.469	62.6	2.479	62.97	0.203	5.2
	80			2.323	59.0	2.351	59.72	0.276	7.0
	160			2.125	54.0	2.178	55.32	0.375	9.5
	XXS			1.771	45.0	1.868	47.45	0.552	14.0
3	40	3.50	88.9	3.068	77.9	3.081	78.26	0.216	5.5
	80			2.900	73.7	2.934	74.52	0.300	7.6
	160			2.624	66.7	2.692	68.38	0.438	11.1
	XXS			2.300	58.5	2.409	61.19	0.600	15.2
3 1/2	40	4.00	101.6	3.548	90.2	3.564	90.53	0.226	5.7
	80			3.364	85.4	3.402	86.41	0.318	8.1
4	40	4.50	114.3	4.026	102.3	4.044	102.72	0.237	6.0
	80			3.826	97.1	3.869	98.27	0.337	8.6
	120			3.624	92.1	3.692	93.78	0.438	11.1
	160			3.438	87.3	3.530	89.66	0.531	13.5
	XXS			3.152	80.1	3.279	83.29	0.674	17.1
5	40	5.56	141.3	5.047	128.1	5.070	128.78	0.258	6.6
	80			4.813	122.3	4.866	123.60	0.375	9.5
	120			4.563	115.9	4.647	118.03	0.500	12.7
	160			4.313	109.5	4.428	112.47	0.625	15.9
	XXS			4.063	103.3	4.209	106.91	0.750	19.0
6	40	6.62	168.3	6.065	154.1	6.094	154.79	0.280	7.1
	80			5.761	146.3	5.828	148.03	0.432	11.0
	120			5.501	139.7	5.600	142.24	0.562	14.3
	160			5.187	131.7	5.326	135.28	0.719	18.3
	XXS			4.897	124.5	5.072	128.83	0.864	21.9
8	40	8.62	219.1	7.981	202.7	8.020	203.71	0.322	8.2
	60			7.813	198.5	7.873	199.97	0.406	10.3
	80			7.625	193.7	7.709	195.81	0.500	12.7
	100			7.437	188.9	7.544	191.62	0.594	15.1
	120			7.187	182.5	7.326	186.08	0.719	18.3
	140			7.001	177.9	7.163	181.94	0.812	20.6
	XXS			6.875	174.7	7.053	179.15	0.875	22.2
	160			6.813	173.1	6.998	177.75	0.906	23.0

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对接焊端 Butt-welding ends

对接焊端Butt–welding ends ASME B16.25

公称管径 Nominal pipe Size	管号 Schedule number or wall	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	10.020	254.4	10.070	255.78	0.365	9.3
	60			9.750	247.6	9.834	249.78	0.500	12.7
	80			9.562	242.8	9.670	245.62	0.594	15.1
	100			9.312	236.4	9.451	240.06	0.719	18.3
	120			9.062	230.2	9.232	234.49	0.844	21.4
	140			8.750	222.2	8.959	227.56	1.000	25.4
	160			8.500	215.8	8.740	222.00	1.125	28.6
12	STD	12.75	323.8	12.000	304.8	12.053	306.15	0.375	9.5
	40			11.938	303.2	11.999	304.77	0.406	10.3
	XS			11.750	298.4	11.834	300.58	0.500	12.7
	60			11.626	295.2	11.725	297.82	0.562	14.3
	80			11.374	288.8	11.505	292.23	0.688	17.5
	100			11.062	281.0	11.232	285.29	0.844	21.4
	120			10.750	273.0	10.959	278.36	1.000	25.4
	140			10.500	266.6	10.740	272.80	1.125	28.6
	160			10.126	257.2	10.413	264.49	1.312	33.3
14	STD	14.00	355.6	13.250	336.6	13.303	337.90	0.375	9.5
	40			13.124	333.4	13.192	335.08	0.438	11.1
	XS			13.000	330.2	13.084	332.33	0.500	12.7
	60			12.812	325.4	12.920	328.17	0.594	15.0
	80			12.500	317.6	12.646	321.21	0.750	
	100			12.124	308.0	12.318	312.88	0.938	
	120			11.812	300.0	12.044	305.92	1.094	
	140			11.500	292.0	11.771	298.98	1.250	
	160			11.188	284.2	11.498	292.05	1.406	35.7
16	STD	16.00	406.4	15.250	387.4	15.303	388.70	0.375	9.5
	40			15.000	381.0	15.084	383.13	0.500	12.7
	60			14.688	373.0	14.811	376.20	0.656	16.7
	80			14.312	363.6	14.482	367.84	0.844	21.4
	100			13.938	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	341.43	1.438	36.5
	160			12.812	325.4	13.170	334.52	1.594	40.5



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对接焊端 Butt-welding ends

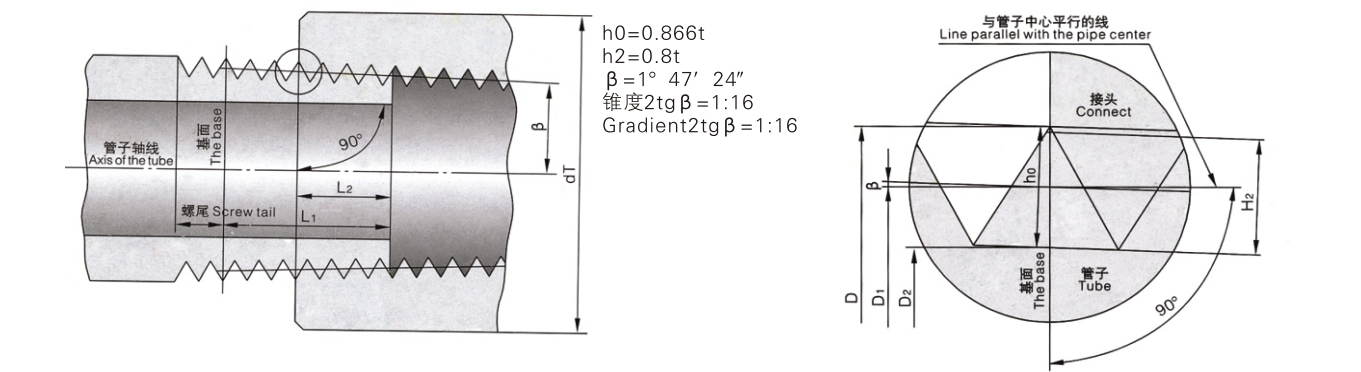
对接焊端Butt–welding ends ASME B16.25

公称管径 Nominal pipe Size	管号 Schedule number or wall	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
18	STD	18.00	457.2	17.250	438.2	17.303	439.50	0.375	9.5
	XS			17.000	431.8	17.084	433.93	0.500	12.7
	40			16.876	428.6	16.975	431.17	0.562	14.3
	60			16.500	419.2	16.646	422.81	0.750	19.0
	80			16.124	409.6	16.318	414.48	0.938	23.8
	100			15.688	398.4	15.936	404.77	1.156	29.4
	120			15.250	387.4	15.553	395.05	1.375	34.9
	140			14.876	377.8	15.225	386.72	1.562	39.7
	160			14.438	366.8	14.842	376.99	1.781	45.2
20	STD	20.00	208.0	19.250	489.0	19.303	490.30	0.375	9.5
	XS			19.000	482.6	19.084	484.73	0.500	12.7
	40			18.812	477.8	18.920	480.57	0.594	15.1
	60			18.376	466.8	18.538	470.87	0.812	20.6
	80			17.938	455.6	18.155	461.14	1.031	26.2
	100			17.438	443.0	17.717	450.01	1.281	32.5
	120			17.000	431.8	17.334	440.28	1.500	38.1
	140			16.500	419.2	16.896	429.16	1.750	44.4
	160			16.062	408.0	16.513	419.43	1.969	50.0
22	STD	22.00	558.8	21.250	539.8	21.303	541.10	0.375	9.5
	XS			21.000	533.4	21.084	535.53	0.500	12.7
	60			20.250	514.4	20.428	518.87	0.875	22.2
	80			19.750	501.6	19.990	507.75	1.125	28.6
	100			19.250	488.8	19.553	496.65	1.375	35.0
	120			18.750	476.2	19.115	485.52	1.625	41.3
	140			18.250	463.6	18.678	474.42	1.875	47.6
	160			17.750	450.8	18.240	463.30	2.125	54.0
24	STD	24.00	609.6	23.250	590.6	23.303	591.90	0.375	9.5
	XS			23.000	584.2	23.084	586.33	0.500	12.7
	30			22.876	581.0	22.975	583.57	0.562	14.3
	40			22.624	574.6	22.755	577.98	0.688	17.5
	60			22.062	560.4	22.263	565.48	0.969	24.6
	80			21.562	547.6	21.826	554.38	1.219	31.0
	100			20.938	531.8	21.280	540.51	1.531	38.9
	120			20.376	517.6	20.788	528.02	1.812	46.0
	140			19.876	504.8	20.350	516.89	2.062	52.4
	160			19.312	490.6	19.857	504.37	2.344	59.5

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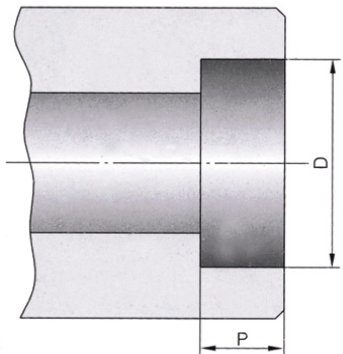
对接焊端 Butt-welding ends

锥管螺纹National taper pipe thread



公称直径 Nominal size		每英寸牙数 Threads per inch	螺距 Ptich of thread	螺纹长度 Thread length		基面上的螺纹直径 DIA .at Referemce surface			管端螺纹内径 Boot DIA.of the pipe thread	工作高度 Height
in	mm	n	p	L ₁	L ₂	d	d ₁	d ₂	d _r	h ₁
3/8	10	19	1.337	10.5	6.096	17.055	15.926	14.797	14.416	1.129
1/2	15	14	1.814	13.5	8.128	21.223	19.772	18.321	17.813	1.451
3/4	20	14	1.814	14	8.611	26.568	25.117	23.666	23.128	1.451
1	25	11	2.309	17.5	10.160	33.228	31.461	29.694	29.059	1.767
1 1/4	32	11	2.309	18	10.668	41.985	40.218	38.451	37.784	1.767
1 1/2	40	11	2.309	18.5	10.668	48.054	46.287	44.520	43.853	1.767
2	50	11	2.309	19	11.074	60.092	58.325	56.558	55.866	1.767

ASME B16.11承插焊端Socket welded ends



公称通径 Nominal size	in	3/8	1/2	3/4	1	1 1/4	1 1/2	2
	mm	10	15	20	25	32	40	50
D	mm	17.6	21.8	27.2	33.9	42.7	48.8	61.2
Pmin	mm	9.5	9.5	12.5	12.5	12.5	12.5	16