



工恒阀门(上海)有限公司
GongHeng Valve(ShangHai)CO.,LTD

电话 :021 - 8039 2609
传真 :021 - 8039 2609 - 808
邮箱 :gh@shghv.com
网址 :<http://www.shghv.com>
邮编 : 201499
地址 : 上海市奉贤区柘林镇海湾路1609弄3346号

Tel : 86-021 - 80392609
Fax : 86-021 - 80392609-808
Mail : gh@shghv.com
Website : <http://www.shghv.com>
Code : 201499
Add : FengXianDistrictofShangHaiBayRoad , lane1609,No3346

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Power Station Valve
电站阀门 ➤



工恒阀门(上海)有限公司
GongHeng Valve (ShangHai) CO.,LTD

Brief Introduction 企业简介

工恒阀门(上海)有限公司核心领导人员出身于国内知名阀门厂，工恒阀门藉近多年的科研、发展创新和诚信经营，在阀门、自控阀门、执行器领域得到迅猛发展，公司集科研、产品开发、制造、销售、服务于一体的科技创新企业。公司拥有铸造、锻造、热处理、焊接、金切、装配、试验、无损检测等生产加工设备和试验检测设备，多年来形成了一套颇具特色的生产工艺，是具有较强专业化制造特征的企业。公司通过与国内外先进制造商进行技术引进和技术交流，结合公司的实际情况，通过上海各大学院校及科研院所的培训基地，建立公司的研发队伍，调整行业的组织结构、产品结构和技术结构，不断提高产品质量和技术水平、提高产品制造水平、提高行业经济效益。同时加快技术创新，建立建全现代化管理体制，发挥人才效益，提高企业核心竞争力。

工恒致力于打造专业化发展的科技企业，主要从事电动阀、气动阀、调节阀、蝶阀、闸阀、截止阀、止回阀、浆液阀、泥浆阀、美标阀、日标阀、德标阀等，主要材质有铸钢、碳钢、青铜、黄铜、不锈钢、合金钢、PVC、UPVC、球墨铸铁、铸铁、稀有金属等，产品使用温度-196 ~+1000 ，压力范围0.1Mpa~56Mpa，磅级150LB~3500LB，公称通径为DN3 ~ 3600mm。生产、销售的产品近千种型号，上万个规格，广泛应用于发电厂、热电厂、化工、天然气、冶金、轻工纺织、造纸、市政、建筑、自来水、环保、液压、冷藏等行业，产品覆盖全国31个省、市、自治区、直辖市，并出口俄罗斯、巴基斯坦、越南、印度、苏丹等国家和地区，深受国内外用户欢迎和好评。

“提高全员的质量意识，强化科学的质量管理，生产让顾客满意的产品，提供全面的优质服务”是工恒坚定不移的方针，公司将充分发挥企业优势，持续改进质量，全面提升产品技术水平和服务水平，向用户提供高质量的产品和完善的服务，为社会作出更大的贡献。

展望未来，我们激情高昂，工恒精神将继续渗透在与众不同的创新产品和服务之中。工恒竭诚欢迎国内外客商、各界用户和友人前来考察、洽谈贸易，展望未来。工恒人愿与您在成功的道路上携手合作，再创辉煌。工恒的口号是“工匠精神、品质永恒”。期待您的访问与咨询。

精益求精，源于每个细节

Power Station Valve 部分常用电站阀门产品总汇



电站阀概述

一、电站阀简介

“电站阀”也称电站专用阀门，主要适用于火力电站各种系统的管路上，切断或接通管路介质。适用介质：水、蒸气等非腐蚀性介质。电站阀门与其他阀门产品相比的特点是高温高压，独特的自密封设计，压力越高，密封越可靠。由于性能技术特性、工况的特殊使

二、电站阀主要设计规范

设计与制造 GB/T12234 ASMEB16.34

结构长度 JB/T3595

接口连接尺寸 JB/T3595 GB/T12224

检验与试验 JB/T3595 MSS SP61

压力与温度基准 JB/T3595 ANSI B16.34

三、电站阀主要压力等级

公称压力 200、250、320

工作压力 P 55 100V、P 55 140V、P 55 170V

四、电站阀结构优势

- 1.采用压力自紧式密封，阀体支管两端为焊接连接。
- 2.阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成，耐磨、抗擦伤性能好。
- 3.阀杆经抗腐蚀性氮化处理，有良好的抗腐蚀性和抗擦伤性。

五、电站阀相关标准

JB/T 3595—2002 电站阀门一般要求

JB/T 5263—2005 电站阀门铸钢件技术条件

JB/T 4018 电站阀门型号编制方法

DL 959—2005 电站锅炉安全阀应用导则

DLT 531—1994 电站高温高压截止阀闸阀技术条件

DLT 641—2005 电站阀门电动执行机构

DLT 850—2004 电站配管

GB 10869 电站调节阀技术条件

GBT 10868—2005 电站减温减压阀

六、电站阀与其他阀门区别

电站阀门与其他阀门产品相比的特点是高温高压，如果单纯从压力方面比通用阀门低，单纯从温度方面比也比通用阀门低。由于性能技术特性、工况的特殊使产品也形成了其他产品所替代不了的特点

Power Station Valve

I Introduction of Power Station Valve

"Power Station Valve" is also called a dedicated power station valve, it is mainly used in a variety of pipeline system of fire station to cut off or access to the media. The media can be water、steam and other non-corrosive media. In compare to other valves, power station vale is high-temperature and high-pressure, and unique self-sealing, the pressure is high the sealing is reliable. So it is irreplaceable on basis of the technical

II Design standards of power station valve

Design and manufacture: GB/T12234 ASMEB16.34

Face to face and end to end connection: JB/T3595

Interface connector size: JB/T3595 GB/T12224

Inspection and test: JB/T3595 MSS SP61

Pressure and temperature: JB/T3595 ANSI B16.34

III Pressure rating of power station valve

Nominal pressure: 200、250、320

Working pressure: P 55 100V、P 55 140V、P 55 170V

IV Structure's advantage of power station valve

- 1.The sealing is pressure tight seal, both ends of valve tube are connected by welding.
- 2.The seat and sealing surface of disc are painted with Co-based cemented carbide , so its wear-resistant, anti-abrasion performance is good.
- 3.The stem is nitriding corrosion resistance, has good wear-resistant, anti-abrasion performance.

V Relevant standards of power station valve

JB/T 3595—2002: General requirements of power station valve

JB/T 5263—2005: Steel casting technology of power station valve

JB/T 4018: Model methodology of the power station valve

DL 959—2005: Application guidelines of power plant boiler safety valve

DLT 641—2005: Electric Actuator of power station valve

DLT 850—2004: Power Plant Piping

GB 10869: Specification of control valves for fossil power stations

VI Difference between power station valve and other valve

It has high-temperature and high-pressure characteristic by compare of other kinds of valves and if it is compared just in pressure, it is lower than other general valve, and if it is compared just in temperature it is lower than other general valve. It is

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高压电站闸阀 High-pressure gate valve

{工匠精神 品质永恒}
工恒阀门(上海)有限公司 

【执行标准】

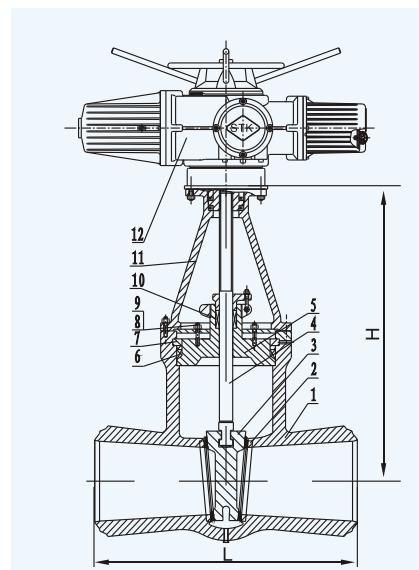
- 设计制造与验收按 JB/T3595、DL/T531 标准及日本火力发电阀门标准E101。
- 结构长度按GB/T 12221, E101、JB/T2766、GB/T15188.1标准规定或按用户要求。
- 压力-温度等级按E101、JB/T3595标准规定。
- 焊接坡口尺寸按GB/T12224、JB/T3595、ASME B16.25标准规定或按用户配管尺寸要求。
- 可根据用户需要，采用ASME B16.34标准制造，900Lb、1500Lb, 2000Lb, 2500Lb等高磅级阀门。

Standards

- Design, manufacture and acceptance inspection according to JB/T3595、DL/T531 standards and Japanese thermal power valve standard E101.
- Face-to-face dimension according to GB/T 12221,E 101、JB/T2766、GB/T15188.1 or according user's requirements.
- Pressure and temperature class according to E101、JB/T3595 standard.
- Welding groove dimension according to GB/T12224、JB/T3595、ASME B16.25 standard or according to user's tube size requirements.
- According to the client's need, applying to ASME B16.34 to manufacture 900 Lb, 1500 Lb, 2000Lb, 2500Lb etc valves.

◎ 性能规范 Performance specification

公称压力 Nominal Pressure PN (Mpa)	试验压力Ps(Mpa) Testing pressure		工作压力(Mpa) Working pressure			工作温度 Working temperature ℃	适用介质 Applicable medium
	强度 strength	密封(液) Sealing(liquid)	P54	P55	P57		
10.0	15.0	11.0				≤425	水、蒸汽 油品 Water steam and oil
16.0	24.0	17.6					
20.0	30.0	22.0					
25.0	37.5	27.5					
32.0	48.0	36.0					
P5410	30.0	20.0	10			≤540	蒸汽 Steam
P5414	37.5	27.5	14				
P5417	48.0	36.0	17				
P5510	37.5	27.5		10			
P5514	48.0	36.0		14		≤550	
P5517	53.0	39.0		17			
P5710	48.0	36.0			10		
P5714	55.0	40.0			14	≤570	
P5717	60.0	44.0			17		



◎ 主要零件材质 The main materials of parts

序号 Number	零件名称 The name of parts	材 质 Material
1	阀体 Valve body	WCB、WC6、WC9、20CrMoV、15Cr1Mo1V
2	阀座 Valve seat	A105、12Cr1MoV
3	闸板 Valve gate	WCB、WC6、WC9、20CrMoV、15Cr1Mo1V
4	阀杆 Valve handle	2Cr13、25Cr2Mo1V
5	浮动阀盖 Floating valve cover	A105、WCB、WC6、20CrMoV、12Cr1Mo1V
6	密封圈 Sealing ring	成形石墨、F软钢 Molding graphite、F soft steel
7	四合环 Four-element ring	1Cr13、12Cr1MoV
8	双头螺柱 Studs	35、35CrMoA
9	六角螺母 Hexagonal nut	45、35CrMoA
10	填料 Stuffing	柔性石墨 Flexible graphite
11	支架 Holder	WCB、WC6、20CrMoV
12	驱动装置 Driving device	组合件 Assembly part



高压电站闸阀

High-pressure gate valve

Z6_{2Y}^{0H}-250 Z6_{2Y}^{0H}-320 Z6_{2Y}^{0H}-P54100v Z6_{1Y}^{0H}-P54140v Z6_{1Y}^{0H}-P57170v

【用途】
安装在水、汽管道上作为启闭装置用。

【结构特点】

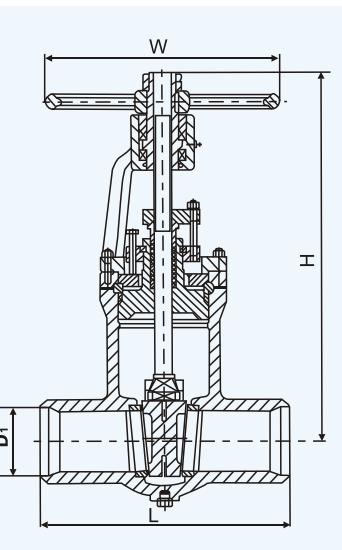
- 采用压力自紧式密封结构，弹性单闸板，两端为焊接连接。
- 阀座密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好，闸板密封面经硬化氮化处理。
- 阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀和抗擦伤性。
- 阀门压力越高，密封性能越好。
- 阀门采用撞击式手轮，减少阀门开关操作力。

Usage

Install in water and steam pipe as an open and close device

The structure feature

- Adopt pressure self-energized closure structure, single flexible gate. Both end was connected by welding.
- The sealed valve seat adopts welding of Cobalt Base Hardness Alloy. The sealed valve seat has harden and nitrided. So it has wear-resistant and anti-chafing performance.
- The appearance of valve stem has been anti-corrosion and nitrided, so it has well anti-corrosion and anti-chafing performance.
- The higher pressure of the valve, the better sealing quality of the valve.



◎ 主要零件材料 The main materials of the parts

型 号 Model	零件名称 Part name						
	阀体、闸板 Valve body, gate	阀座(密封面) Valve seat (sealing surface)	阀盖 Valve cover	阀杆 Valve handle	密封圈 Sealing ring	四合环 four-elemnt ring	填料 stuffing
Z6 ₀ ¹ Y-250	WCB/A105	不锈钢 Stainless steel	WCB/A105	2Cr13	成型石墨环 molding carbon ring	不锈钢 Stainless steel	柔性石墨 flexible graphite
Z6 ₀ ¹ Y-320							
Z6 ₀ ¹ Y-P54100v	铬钼钒钢 Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	碳钢/铬钼钒钢 Carbon steel Cr.Mo.V.steel	25Cr2Mo1V	成型石墨环 molding carbon ring	铬钼钒钢 Cr.Mo.V.steel	柔性石墨 flexible graphite
Z6 ₀ ¹ Y-P54140v							
Z6 ₀ ¹ Y-P57170v							

◎ 主要外形尺寸和连接尺寸 General dimensions and connection dimensions

公称通径 nominal diamete (mm)	尺寸 Size(mm)				参考重量 Reference Weight (kg)
	L	D1	H	W	
50	280	50	585	300	42
65	340	65	650	320	53
80	470	80	680	400	130
100	550	100	755	450	180
125	600	125	830	500	190
150	700	145	1050	550	320
175	750(790)	175	1050	600	400
200	800	190	1050	650	550
225	850	230	1100	700	600
250	900	250			
275	950	273			
300	1100	290			

以上数据仅供参考，用户定货时，请提供连接管尺寸，可根据用户要求设计制造。

All above data is only for reference. Please offer the connect pipe size when the client places an order. We can manufacture the valve according to the client's request.

高压电站闸阀

High-pressure gate valve

Z96₀¹Y-250 Z96₀¹Y-320 Z96₀¹Y-P54140v Z96₀¹Y-P57170v

【用途】

安装在水、汽管道上作为启闭装置用。

【结构简述】

- 采用压力自紧式密封结构，弹性闸板，两端为焊接连接。
- 阀座密封面采用钴基硬质合金等离子喷焊而成，耐磨、抗擦伤性能好。闸瓣密封面经硬化氮化处理。
- 阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀和抗擦伤性。
- 阀门的开启和关闭由电动装置来控制，电动装置分别配有专用电机，减速器、转矩控制机构、现场操作机构、手、电动切换机构，除就地操作外还可进行远距离操作。可根据用户要求选配中外合资斯托克测控设备(上海)有限公司SK系列智能一体化电动执行器。

Usage

Install in water and steam pipe as an open and close device

Structure description

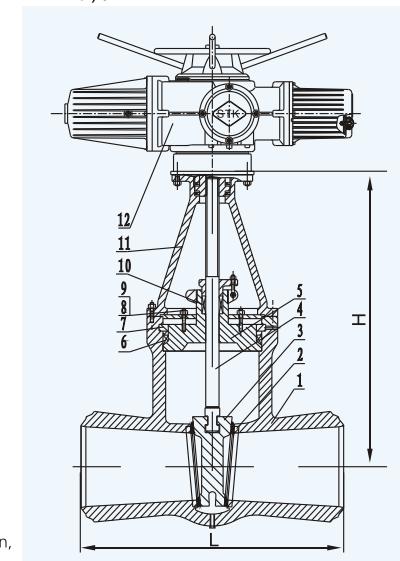
- Adopt pressure self-energized closure structure, single flexible gate. Both end was connected by welding.
- The sealed valve seat adopts welding of Cobalt Base Hardness Alloy. The sealed valve seat has harden and nitrided. So it has wear-resistant and anti-chafing performance.
- The appearance of valve stem has been anti-corrosion and nitrided, so it has well anti-corrosion and anti-chafing performance.
- The electric device control the open and close of the valve, and it separately has electric motor、decelerator、torque control mechanism、operation system on-site、hand、electric switch system. Also can long-distance operation besides operation on-site. We can choose SK series intelligent integration electric actuator of the Joint Venture STK Measurement Facilities (shanghai) CO., LTD

Installation instructions

- Electric gate valve must install vertically, and the valve handle should be upward so that the medium can flow into the valve from any side.
- The electric devices install in -20° C to +70° C working temperature, relative humidity ≤80%, and in non-corrosion,

【安装说明】

- 电动闸阀必须垂直安装，阀杆向上，介质流向可从任何一侧流入。
- 电动装置安装在环境温度为-20°C ~ +70°C，相对湿度 ≤80%无腐蚀，无爆炸性气体环境中，(防爆型除外)。



◎ 主要外形尺寸和连接尺寸 General dimensions and connection dimensions

公称通径 nominal diamete (mm)	尺寸 Size(mm)			参考重量 Reference Weight (kg)
	L	D1	H	
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125	600	125	830	190
150	700	145	1050	320
175	750(790)	175	1050	400
200	800	190	1050	550
225	850	230	1100	600
250	900	250		
275	950	273		
300	1100	290		

以上数据仅供参考，用户定货时，请提供连接管尺寸，可根据用户要求设计制造。
All above data is only for reference. Please offer the connect pipe size when the client places an order. We can manufacture the valve according to the client's request.

◎ 主要零件材料 The main materials of the parts

型 号	零件名称						
	阀体、闸板	阀座	阀盖	阀杆	密封圈	四合环	填料
Z96 ₀ ¹ Y-250	WCB A105	不锈钢	WCB	2Cr13	成型石墨环	不锈钢	柔性石墨
Z96 ₀ ¹ Y-320							
Z96 ₀ ¹ Y-P54100v	铬钼钒钢	铬钼钒钢	碳钢/铬钼钒钢	25Cr2Mo1V	成型石墨环	铬钼钒钢	柔性石墨
Z96 ₀ ¹ Y-P54140v							
Z96 ₀ ¹ Y-P57170v							



Z560Y-200 Z560Y-320 Z560Y-P_{s4}100V Z560Y-P_{s4}140V DN150、175、225

安装在水、汽管道上作启闭装置用。

【结构特点】

- 1、采用压力自紧式密封结构，双闸板、两端支管为焊接连接。
- 2、关闭机构主要由能够调心的楔式双闸板、万向顶、夹圈等组成，借阀体导向筋的引导作升降运动。
- 3、阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成，耐磨、抗擦伤性能好。
- 4、阀杆表面经抗腐蚀性氮化处理，具有良好的抗腐蚀性和抗擦伤性能。
- 5、压力自紧式密封，压力越高密封性越高。
- 6、阀门的开和关由装在阀盖上面的手动齿轮机构完成。
- 7、在使用阀门时，阀门必须处于全开或全关的位置，不能作调节阀使用。

Usage

Install in water and steam pipe as an open and close device.

Structure feature

- 1、Adopt pressure self-energized closure structure, double gates, both pipes of the ends are connected by welding.
- 2、The closing structure mainly consist of aligning wedge gates、universal proof、clamp ring etc. It does up-and-down movement through valve body guiding tendons.
- 3、The valve seat、the valve sealing disc adopt welding of Cobalt Base Hardness Alloy, it has wear-resistant and anti-chafing performance.
- 4、The appearance of valve stem has been anti-corrosion and nitrided, so it has well anti-corrosion and anti-chafing performance.
- 5、Adopt pressure self-energized closure structure, the higher pressure of the valve, the better sealing quality of the valve.
- 6、Open and close the valve by the manual gear system on the valve cover.



◎主要零件材料 The main parts materials

型 号 Model	零件名称 Part name							
	① 阀体 Valve body	② 阀座 Valve seat	③ 闸板 Valve gate	④ 阀杆 valve handle	⑤ 浮动阀盖 floating valve cover	⑥ 阀盖(支架) valve cover (support)	⑦ 密封圈 sealing ring	⑧ 填料 stuffing
Z560Y-200	WCB	A105 / WCB	A105 WCB	2Cr13	A105 WCB	WCB	成型石墨环 Molding graphite ring	柔性石墨 Flexible graphite
Z560Y-320								
Z560Y-P _{s4} 100V	铬钼钒钢 Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	25Cr2Mo1V	铬钼钒钢 Cr.Mo.V.steel	碳钢/铬钼钒钢 Carbon steel Cr.Mo.V.steel	成型石墨环 Molding graphite ring	柔性石墨 Flexible graphite
Z560Y-P _{s4} 140V								

◎主要外形尺寸和连接尺寸 General dimensions and connection dimensions

公称通径 nominal diameter (mm)	尺寸 Size (mm)				参考重量 Reference Weight (kg)
	L	h	H	D1	
150	700	135	800	145	375
175	750	176	850	175	570
225	850	176	950	230	650

Z962Y-200 Z962Y-P_{s4}100V Z962Y-P_{s4}140V Z962Y-P_{s5}140V Z962Y-P_{s7}140V DN150,175,225,250

安装在水、汽管道作为启闭装置用。

【结构特点】

- 1、采用压力自紧式密封结构，双闸板，两端支管为焊接连接。
- 2、关闭机构主要由能够调心的楔式双闸板、万向顶、夹圈等组成，借阀体内导向筋的引导作升降运动。
- 3、阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 4、阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀的抗擦伤性。
- 5、阀门的开启和关闭由电动装置来控制,电动装置由专用电机、减速器、转矩控制机构、现场操作机构、手、电动切换机构等组成，除就地操作外，还可以进行远距离操作。可根据用户要求选配中外合资斯托克测控设备(上海)有限公司SK系列智能一体化电动执行器。

Usage

Install in water and steam pipe as an open and close device

Structure feature

- 1、Adopt pressure self-energized closure structure, double gates, both pipes of the ends are connected by welding.
- 2、The closing structure mainly consist of aligning wedge gates、universal proof、clamp ring etc. It does up-and-down movement through valve body guiding tendons.
- 3、The valve seat、the valve sealing disc adopt welding of Cobalt Base Hardness Alloy, it has wear-resistant and anti-chafing performance.
- 4、The appearance of valve stem has been anti-corrosion and nitrided, so it has well anti-corrosion and anti-chafing performance.
- 5、The electric device control the open and close of the valve, and it separately has electric motor, decelerator, torque control mechanism, operation system on-site, hand, electric switch system. Also can long-distance operation besides operation on-site. We can choose SK series intelligent integration electric actuator of the Joint Venture STK Measurement Facilities (shanghai) CO., LTD

Installation instructions

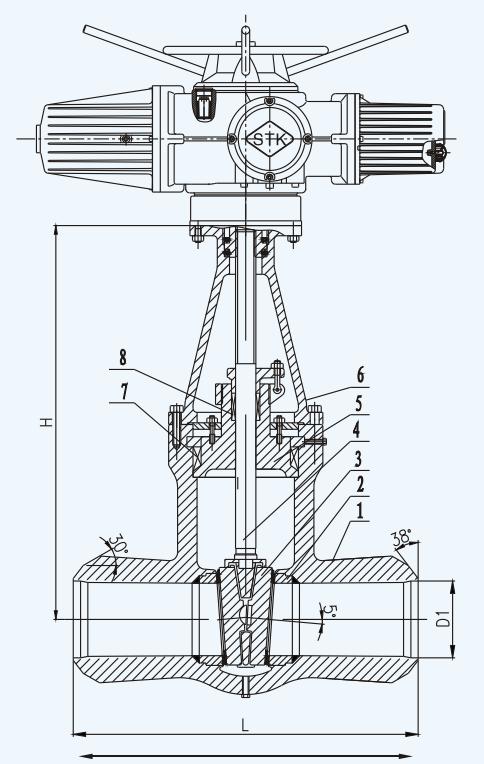
- 1、Electric gate valve must install vertically, and the valve handle should be upward so that the medium can flow into the valve from any side.
- 2、The electric devices install in -20° C to +70° C working temperature, relative humidity≤80%, and in non-corrosion, non-explosive gas environment, (except explosive type除外).

◎主要外形尺寸和连接尺寸 General dimensions and connection dimensions

型 号 Model	公称通径 DN(mm) nominal diamete	主要外形尺寸和连接尺寸 (mm)		
		H	L	D1
Z962Y-200	150	800	700	230
	175	850	750	175
	225	950	850	230
Z962Y-P _{s4} 100V Z962Y-P _{s4} 140V	150	800	700	145
	175	550	750	175
	225	950	850	230
	250	1000	900	250

◎主要零件材料 The main part materials

型 号 Model	零件名称 Part name							
	① 阀体 Valve body	② 阀座 Valve seat	③ 闸板 Valve gate	④ 阀杆 valve handle	⑤ 浮动阀盖 floating valve cover	⑥ 支架 valve cover support	⑦ 密封圈 sealing ring	⑧ 填料 stuffing
Z962Y-200	WCB	不锈钢 Stainless steel	WCB	2Cr13	WCB	WCB	成型石墨环 Molding graphite ring	柔性石墨 Flexible graphite
Z962Y-P _{s4} 100V Z962Y-P _{s4} 140V	铬钼钒钢 Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	25Cr2Mo1V	碳钢/铬钼钒钢 Carbon steel Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	成型石墨环 Molding graphite ring	柔性石墨 Flexible graphite



高压电站闸阀

High-pressure gate valve

Z962Y-250 DN350、400 Z962Y-320 DN250、300、350
Z962Y-P_{s4}170V Z962Y-P_{s4}200V DN250、300

【用途】
安装在水、汽管道作为启闭装置用。

【结构特点】

- 采用压力自紧式密封结构，双闸板，两端支管为焊接连接
- 关闭机构主要由能够调心的楔式双闸板、万向顶、夹圈等组成，借阀体内导向筋的引导作升降运动。
- 阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀的抗擦伤性。
- 阀门的开启和关闭由电动装置来控制，电动装置由专用电机、减速器、转矩控制机构、现场操作机构、手、电动切换机构，除就地操作外，还可以进行远距离操作。可根据用户要求选配中外合资斯托克测控设备(上海)有限公司SK系列智能一体化电动执行器。

Usage
Install in water and steam pipe as an open and close device

Structure feature

- 采用压力自紧式密封结构，双闸板，两端支管为焊接连接。
- 关闭机构主要由能够调心的楔式双闸板、万向顶、夹圈等组成，借阀体内导向筋的引导作升降运动。
- 阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀的抗擦伤性。
- 阀门的开启和关闭由电动装置来控制，电动装置由专用电机、减速器、转矩控制机构、现场操作机构、手、电动切换机构，除就地操作外，还可以进行远距离操作。可根据用户要求选配中外合资斯托克测控设备(上海)有限公司SK系列智能一体化电动执行器。

Installation instructions

- 电动闸阀应尽量垂直安装，阀杆向上，介质流向可以从任何一侧流入。
- 电动装置安装在环境温度为-20℃~+70℃，相对湿度≤80%无腐蚀，无爆炸性气体环境中，(防爆型除外)。

◎ 主要外形尺寸和连接尺寸 General dimensions and connection dimensions

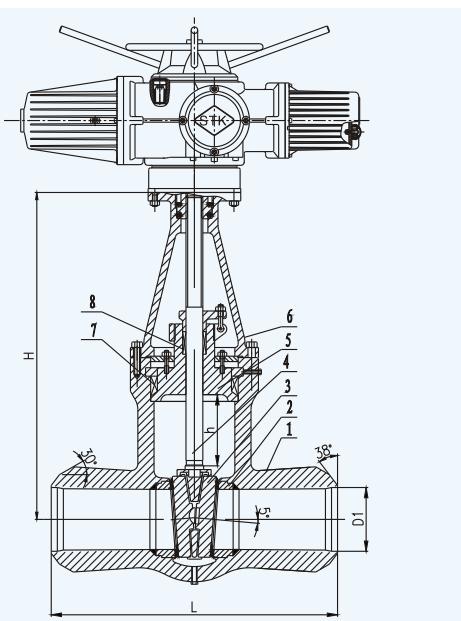
型号 Model	公称通径DN(mm) nominal diameter	主要外形尺寸和连接尺寸(mm)			
		H	L	h	D1
Z962Y-250	350	1400	1250(1200)	350	345
	400	1600	1300	420	400
Z962Y-320	250	1000	900	250	250
	300	1150	1100	300	290
Z962Y-P _{s4} 170V	350	1400	1250(1200)	380	345
	250	1000	900	250	250
Z962Y-P _{s4} 200V	300	1150	1100	300	290
	250	1000	900	250	250
Z962Y-350	300	1150	1100	300	290
	350	1400	1250(1200)	350	345
	400	1600	1300	420	400

注：以上数据仅供参考，可根据用户要求设计与制造。

All above data is only for reference. We can manufacture the valve according to the client's request.

◎ 主要零件材料 The main part materials

型号 Model	零件名称 Part name						
	阀体 Valve body	阀座 Valve seat	阀盖 Valve cover	阀杆 valve hand	万向顶 Universal proof	闸板 Valve gate	密封圈 sealing ring
Z962Y-250 Z962Y-320	WCB	不锈钢 Stainless steel	WCB	2Cr13	渗氮钢 Nitriding steel	WCB	成型石墨环 Molding graphite ring
Z962Y-P _{s4} 170V Z962Y-P _{s4} 200V	铬钼钒钢 Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	碳钢/铬钼钒钢 Cr.Mo.V.steel	25Cr2Mo1V	渗氮钢 Carbon steel Cr.Mo.V.steel	铬钼钒钢 Cr.Mo.V.steel	成型石墨环 Molding graphite ring



【安装说明】

- 电动闸阀应尽量垂直安装，阀杆向上，介质流向可以从任何一侧流入。
- 电动装置安装在环境温度为-20℃~+70℃，相对湿度≤80%无腐蚀，无爆炸性气体环境中，(防爆型除外)。

高压电站闸阀

High-pressure gate valve

Z942Y-100 Z942Y-100I DN150、200、250

【用途】 安装在水、汽管道上，作启闭装置用。

【结构特点】

- 采用中法兰螺栓连接，支管两端为法兰连接结构。
- 关闭机构主要由能够调心的楔式双闸板、万向顶、夹圈等组成，借阀体内导向筋的引导作升降运动。
- 阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀的抗擦伤性。
- 阀门的开启和关闭由电动装置来控制，电动装置分别配有阀门专用电机、减速器、转矩控制机构、现场操作机构、手、电动切换机构，除就地操作外，还可以进行远距离操作。可根据用户要求选配中外合资斯托克测控设备(上海)有限公司SK系列智能一体化电动执行器。

【安装说明】

- 电动闸阀应尽量垂直安装，阀杆向上，介质流向可以从任何一侧进入。
- 电动装置安装在环境温度为-20℃~+70℃，相对湿度≤80%，无腐蚀，无爆炸性气体环境中。

Usage

Install in water and steam pipe as an open and close device

Structure feature

- 采用中法兰螺栓连接，支管两端为法兰连接系统。
- 关闭机构主要由能够调心的楔式双闸板、万向顶、夹圈等组成，借阀体内导向筋的引导作升降运动。
- 阀座、阀瓣密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 阀杆表面经抗腐蚀性氮化处理，有良好的抗腐蚀的抗擦伤性。
- 阀门的开启和关闭由电动装置来控制，电动装置分别配有阀门专用电机、减速器、转矩控制机构、现场操作机构、手、电动切换机构，除就地操作外，还可以进行远距离操作。可根据用户要求选配中外合资斯托克测控设备(上海)有限公司SK系列智能一体化电动执行器。

Installation instructions

- Electric gate valve must install vertically, and the valve handle should be upward so that the medium can flow into the valve from any side.
- The electric devices install in -20° C to + 70° C working temperature, relative humidity≤80%, and in non-corrosion, non-explosive gas

◎ 主要外形尺寸和连接尺寸 General dimensions and connection dimensions

JB/T79.2

公称通径 nominal diameter DN(mm)	主要外形尺寸和连接尺寸 (mm)								
	D	D1	D2	D6	L	H	h	b	n-d
150	355	290	250	204	450	800	134	46	12-34
200	430	360	312	260	550	850	190	54	12-41
250	505	430	382	313	650	1000	235	60	12-41

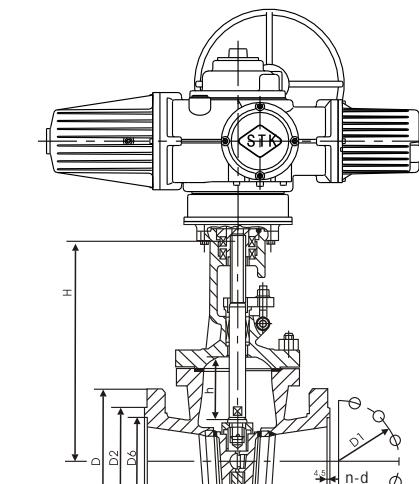
注：法兰标准GB/T9113.2、也可按用户要求选用其它法兰标准制造
Note: Flange standard GB/T9113.2, also can manufacture in other flange standard according to the user's requirements.

◎ 主要零件材料 The main part materials

型号 Model	零件名称						
	阀体 Valve body	阀座 Valve seat	阀板 Valve gate	阀盖 Valve cover	阀杆 Valve hand	万向顶 Universal proof	填料 Stuffing
Z942Y-100	WCB	A105	WCB	WCB	2Cr13	A105	柔性石墨
Z942Y-100I	铬钼钢	铬钼钢	铬钼钢	铬钼钢	铬钼钢	渗氮钢	柔性石墨

◎ 主要性能规范 The main performance regulations

型号 Model	公称压力(MPa) Nominal Pressure	试验压力Testing pressure Ps(MPa)			适用介质 Applicable medium	工作温度 Working temperature °C
		强度 Strength	密封(液) Sealing(liquid)	低压密封(气) Low pressure sealing gas		
Z942Y-100	10.0	15.0	11.0	0.6		
Z942Y-100I	10.0	15.0	11.0	0.6	水、蒸气、油品 Water, steam, oil	≤425 ≤550



CLASS900、1500、2000、2500、3500

【制造验收技术标准】

- 1、制造验收条件按日本火力发电阀门标准E101及ASME B16.34的规定。
- 2、阀门结构长度按E101、ASME B16.10的规定。
- 3、阀体焊接坡口按ASME B16.25的规定或按用户提供的连接管尺寸进行配制。

Manufacture and acceptance inspection standard

- 1、Manufacture and acceptance inspection condition according to Japanese thermal electric generation standard E 101 and ASME B16.34 rule.
- 2、The valve structure length is according to E 101 and ASME B16.10 rule.
- 3、The valve body welding groove is according to ASME B16.25 rule or according to the connecting size that the user

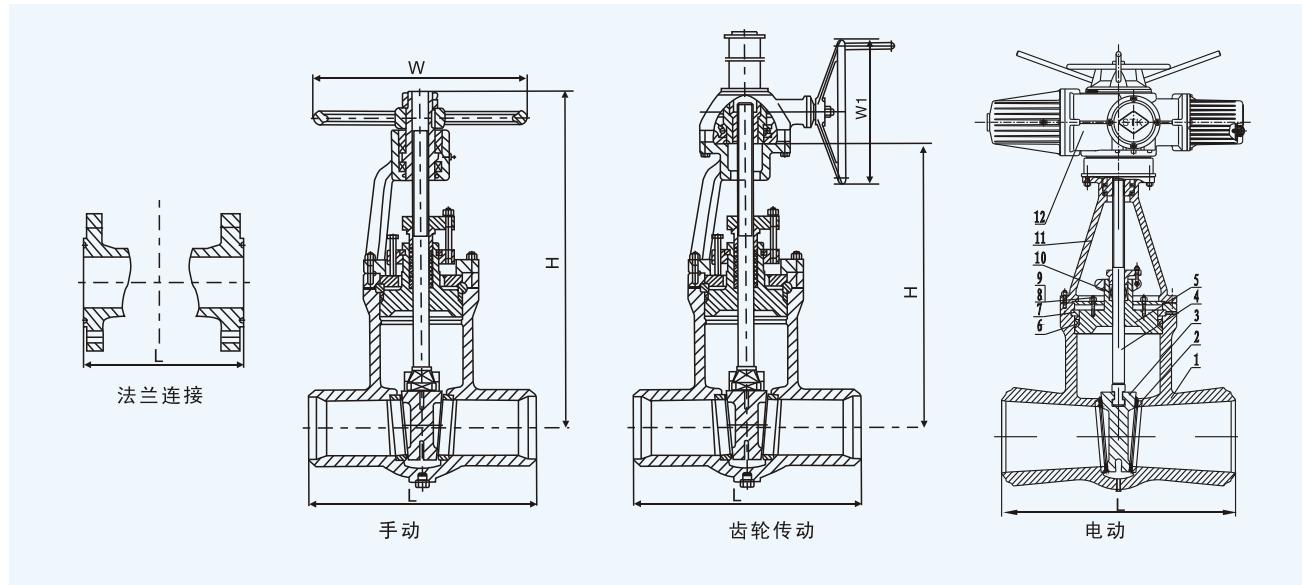


◎ 适用规范 Applicable specifications

壳体材料 Shell material	适用温度(℃)Applicable temperature	适用介质 Applicable medium
ASTM A216 WCB	≤427	蒸汽、水 Steam and water
ASTM A217 WC1	≤450	
ASTM A217 WC6	≤550	
ASTM A217 WC9	≤590	

◎ 主要零件材料 The main parts materials

零件名称 Part name	材料牌号 Material designation			
阀体 Valve body	WCB	WC1	WC6	WC9
阀瓣 Valve disc	WCB	WC1	WC6	WC9
阀盖 Valve cover	A105	12Cr1MoV	12Cr1MoV	12Cr1MoV
	WCB	WC1	WC6	WC9
阀杆 Valve handle	25Cr2Mo1V 1Cr17Ni2	25Cr2Mo1V 1Cr17Ni2	25Cr2Mo1V	25Cr2Mo1V
			25Cr2Mo1V	25Cr2Mo1V
填料 Stuffing	增强柔性石墨 Strengthen flexible graphite			
支架 Support	WCB	WCB	WCB	WCB
		WC1	WC6	WC9
密封环 Sealing ring	S软钢(增强柔性石墨)、成型石墨环 S soft steel(flexible graphite)、molding graphite ring	成型石墨环、S软钢 molding graphite ring、S soft steel	F软钢、成型石墨环 F soft steel、molding graphite ring	
阀杆螺母 The bolt on the valve handle	ZQA19-4或A439 D2			



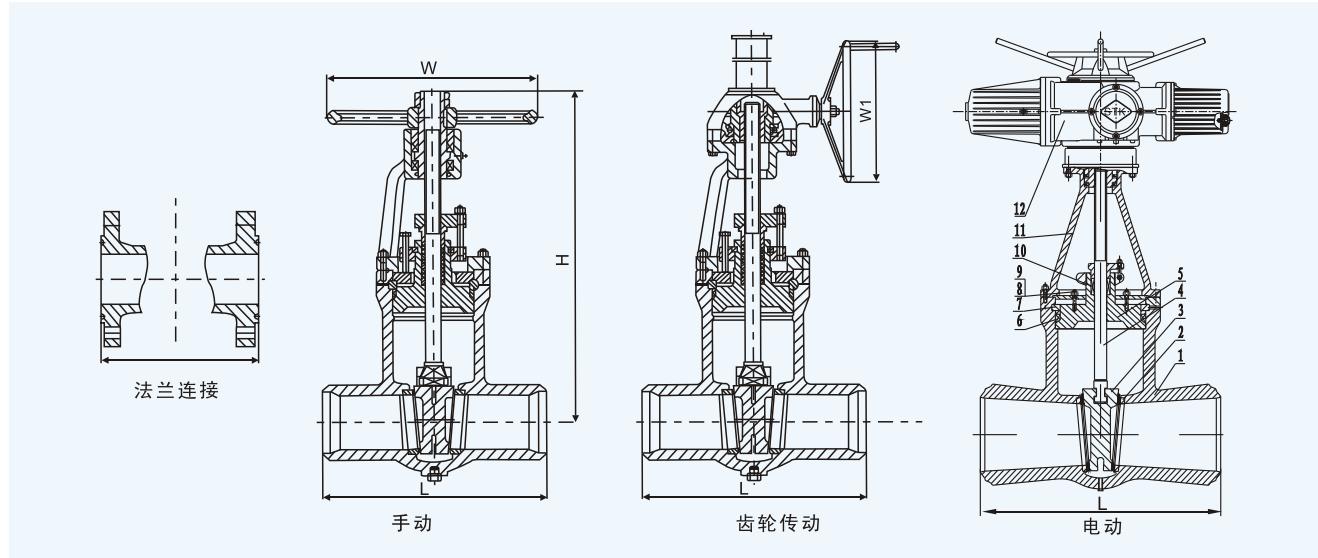
◎ 尺寸及重量

型号 Model		Z40Y900Lb、Z ₉ ⁵ 40Y900Lb							
连接形式 Connection type		法兰连接(RTJ) Flange connection (RTJ)							
传动方式 Drive way		手动 Manual			齿动 Wheel motivated			电动 Electric	
压力等级 Pressure class	口径 Diameter	L	H	W	重量Kg Weight	L	H	W1	齿轮装置 Gear device
900Lb	2	371	550	250	88	600			
	3	384	605	350	105	700			384 300 142
	4	460	750	400	140	750			460 450 204
	6	613	840	500	300	613	800	460	BA-1 350 613 900 356
	8	740	1220	550		740	900	460	BA-1 530 740 1200 530
	10	841	1440	600		841	1000	610	BA-2 950 841 1800 950
	12	968	1622	650		968	1150	610	BA-2 1400 968 2500 1400
	14					1038	1400	610	BA-2 2010 1038 3500 1800
	16					1140	1600	610	BAA-2 2700 1140 5000 3000
	20					1334	1850	610	BAA-2 4400 1334 6500 3800

型号 Model		Z60Y、Z ₉ ⁵ 60Y							
连接形式 Connection type		对焊连接 Flange connection (RTJ)							
传动方式 Drive way		手动 Manual			齿动 Wheel motivated			电动 Electric	
压力等级 Pressure class	口径 Diameter	L	H	W	重量Kg Weight	L	W1	齿轮装置 Gear device	重量Kg Weight
900Lb	2	216	550	250	68				
	3	305	605	350	85				305 300 135
	4	356	750	400	102				356 450 202
	6	508	840	500	200	508	460	BA-1 280	508 900 293
	8					660	460	BA-1 460	660 1200 472
	10					787	610	BA-2 820	787 1800 844
	12					914	610	BA-2 1150	914 2500 1184
	14					991	610	BA-2 1500	991 3500 1579
	16					1092	610	BAA-2 2100	1092 5000 2136
	20					1320	610	BAA-2 3400	1320 6500 3485

注：配管尺寸可根据用户要求选定，以上数据仅供参考。

Note: All above data are only reference, we can manufacture it according to the user's requirements.

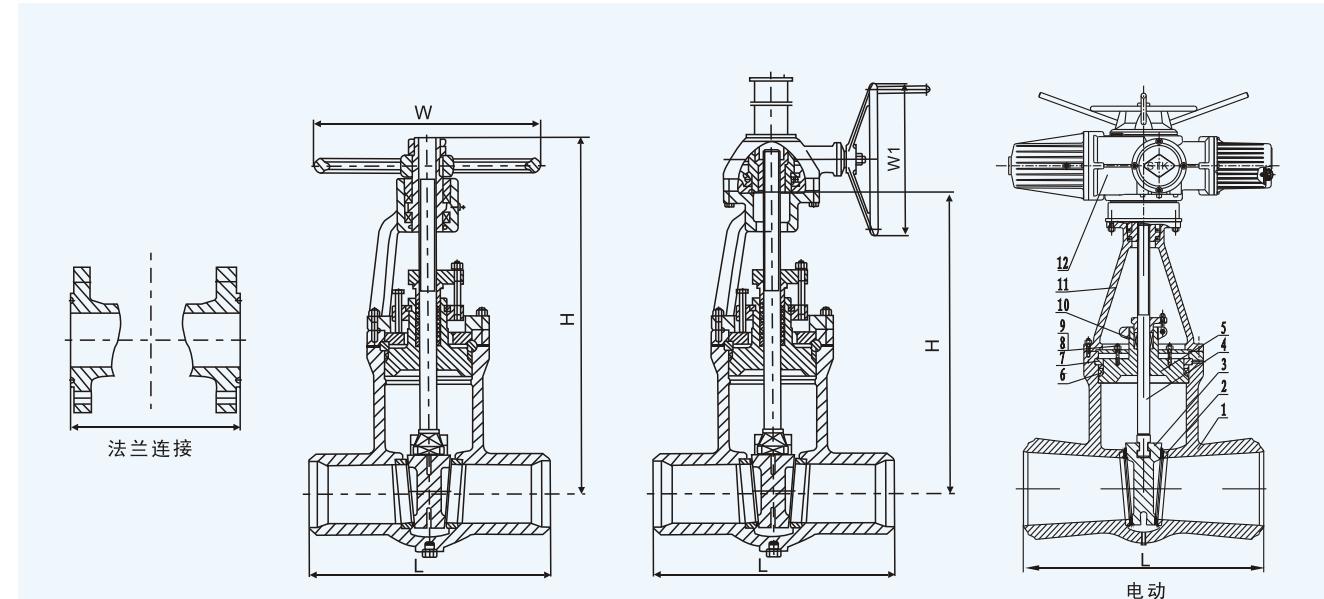


◎ 尺寸及重量

型号 Model		Z40Y1500Lb、Z ₉ 40Y1500Lb									
连接形式 Connection type		法兰连接(RTJ) Flange connection (RTJ)									
传动方式 Drive way		手 动 Manual			齿 动 Wheel motivated			电 动 Electric			
压力等级 Pressure class	口径 Diameter	L	H	W	重量 kg Weight	L	H	W1	齿轮装置 Gear device	重量 kg Weight	L
1500Lb	2	371	590	300	100						
	3	473	711	350	130						473
	4	549	774	450	200						549
	6	711	1200	450		711	1170	610	BA-2	544	711
	8	841	1220	500		841	1370	610	BA-2	825	841
	10					1000	1655	610	BA-2	1375	1000
	12					1146	1810	610	BA-2	2085	1146
	14					1276	1981	610	BAA-2	2940	1276
	16					1407	2108	610	BAA-2	3790	1407
	20					1686	2387	610	BAA-2	5130	1686
型号		Z60Y1500Lb、Z ₉ 60Y1500Lb									
连接形式		法兰连接(RTJ)									
传动方式		手 动 Manual			齿 动 Wheel motivated			电 动 Electric			
压力等级	口径	L	H	W	重量 kg	L	W1	齿轮装置	重量 kg	L	转矩(NM)
1500Lb	2	216	550	250	89						
	3	305	620	350	110						305
	4	406	750	400	180						406
	6	559	1055		212	559	610	BA-2	370	559	1800
	8	711	1095		377	771	610	BA-2	610	711	1800
	10	864	1200	460	510	864	610	BA-2	1300	864	1800
	12					991	610	BA-2	2000	991	2500
	14					1067	610	BAA-2	2900	1067	8000
	16					1194	610	BAA-2	2490	1194	12000
	20					1473	610	BAA-2	4800	1473	20000

注：配管尺寸可根据用户要求选定，以上数据仅供参考。

Note: All above data are only reference, we can manufacture it according to the user's requirements.



◎ 尺寸及重量

型号 Model		Z40Y2500Lb、Z ₉ 40Y2500Lb									
连接形式 Connection type		法兰连接(RTJ) Flange connection (RTJ)									
传动方式 Drive way		手 动 Manual			齿 动 Wheel motivated			电 动 Electric			
压力等级 Pressure class	口径 Diameter	L	H	W	重量 kg Weight	L	W1	齿轮装置 Gear device	重量 kg Weight	L	转矩(NM) Torque
2500Lb	2	454	570	450	185						
	3	584	596	500	215						584
	4	683	698	600	335						683
	6	927	1105	600		927	610	BAA-2	890	927	1800
	8					1038	610	BAA-2	1420	1038	1800
	10					1292	610	BAA-2	2560	1292	1800
	12					1445	610	BAA-2	3740	1445	2700
型号		Z40Y2500Lb、Z ₉ 40Y2500Lb									
连接形式		法兰连接(RTJ)									
传动方式		手 动 Manual			齿 动 Wheel motivated			电 动 Electric			
压力等级	口径	L	H	W	重量 kg	L	W1	齿轮装置	重量 kg	L	转矩(NM)
2500Lb	2	279	502	450	97						
	3	368	596	500	135	368	610	BA-2	203	368	500
	4	457	698	600	215	457	610	BA-2	305	457	500
	6	610	1080	410	339	610	610	BAA-2	650	610	1800
	8					762	610	BAA-2	900	762	1800
	10					914	610	BAA-2	1600	914	1800
	12					1041	610	BAA-2	2300	1041	2700

注：配管尺寸可根据用户要求选定，以上数据仅供参考。

Note: All above data are only reference, we can manufacture it according to the user's requirements.

【执行标准】

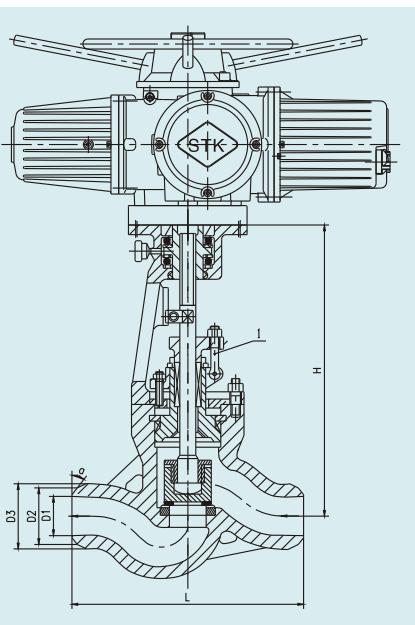
- 设计制造与验收按日本火力发电阀门标准E101和JB/T3595、DL/T531标准规定。
- 结构长度按GB/T 12221, E101、JB/T2766、GB/T15188.1标准规定或按用户要求。
- 压力-温度等级按E101、JB/T3595标准规定。
- 焊接坡口尺寸按GB/T12224、JB/T3595、ASME B16.25标准规定或按用户配管尺寸要求。

Carried standard

- Design, manufacture and inspection are according to Japanese thermal electric generation valve standard E 101 and JB/T3595, DL/T531 rule.
- the structure length is according to GB/T 12221, E 101、JB/T2766、GB/T15188.1 standard or according to the user's requirements.
- Pressure and temperature class are according to E 101、JB/T3595 rule.
- The welding groove size is according to GB/T12224、JB/T3595、ASME B16.25 standard or according to the user's requirements.

◎ 性能规范 Performance regulations

公称压力PN nominal diameter (Mpa)	试验压力Ps(Mpa) testing pressure		工作压力(Mpa) working pressure			工作温度 working temperature °C	适用介质 applicable medium
	强度 strength	密封(液) sealing(liquid)	P _{s4}	P _{s5}	P _{s7}		
10.0	15.0	11.0					
16.0	24.0	17.6					
20.0	30.0	22.0					
25.0	37.5	27.5					
32.0	48.0	36.0					
P _{s410}	30.0	11.0	10				
P _{s414}	37.5	15.4	14				
P _{s417}	48.0	18.7	17				
P _{s510}	37.5	11.0		10			
P _{s514}	48.0	15.4		14			
P _{s517}	53.0	18.7		17			
P _{s710}	48.0	25.0			10		
P _{s714}	55.0	32.0			14		
P _{s717}	60.0	35.0			17		



◎ 主要零件材质 The main part materials

零件名称 the part name	材质 materials
阀体 valve body	WCB、WC6、WC9、12Cr1MoV、15Cr1Mo1V
阀瓣 valve disc	25、WC6、12Cr1MoV
阀杆 valve handle	2Cr13、25Cr2Mo1V
阀瓣 盖 valve disc and cover	25、WC6、12Cr1MoV
阀盖 valve cover	WCB、WC6、12Cr1MoV、
垫片 spacer	柔性石墨+不锈钢 flexible graphite stainless steel
支架 support	WCB、WC6
双头螺柱 studs	ASTMA193-B7、A320-B8、A193-B8M
六角螺母 hexagon nut	ASTMA194-2H、A194-8、A194-8M
填料 stuffing	柔性石墨 flexible graphite
填料压套 stuffing cover	25、WC6、12Cr1MoV
填料压盖 packing gland	WCB、25、WC6、12Cr1MoV
阀杆螺母 valve body nut	铜合金 Copper Alloys
传动装置 drive device	组合件 assembly parts



【用途】

安装在水、汽管道上，作为启闭装置用，

【结构特点】

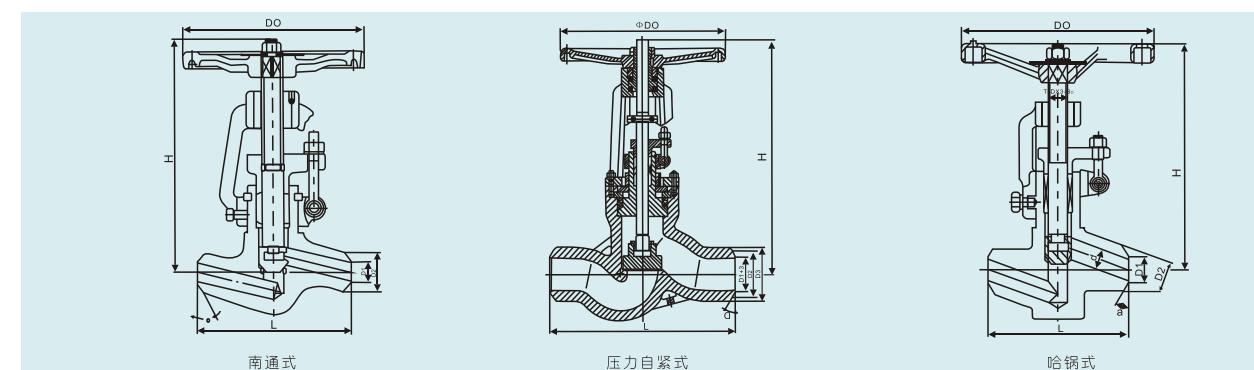
- 锻件阀门采用无中法兰夹箍销轴式、内螺纹和键连接、中法兰螺栓连接等结构。
- 阀体、阀盖机械加工全部在自动线上完成，具有重量轻、加工精度高等特点。
- 阀座、阀瓣密封面均采用钴基硬质合金等离子喷焊而成，耐磨、抗擦伤性能好。
- 阀杆表面经抗腐蚀性氮化处理。
- 可安装在管道的任何位置上。 $\leq DN50$ 介质流向从下往上流（正流“低进高出”）
 $\geq DN65$ 介质流向从上往下流（逆流“高进低出”）。

Usage

Install in water and steam pipe as an open and close device

Structure feature

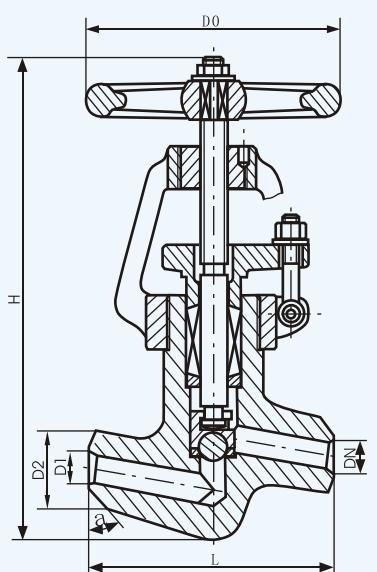
- The forged valve adopt non-middle flange clamped shaft, inside thread, key connection, middle flange bolt connection etc structure.
- valve body and cover machining all completed on the automatic line. It has light-weighted, high-precision etc features.
- The valve seat, the valve sealing disc adopt welding of Cobalt Base Hardness Alloy, it has wear-resistant and anti-chafing performance.
- the appearance of the valve handle is anti-corrosion and nitrided.
- Install on any position of the pipes. $\leq DN50$ medium flow from the downward to the upward (drag flow low to high) $\geq DN65$



◎ 主要尺寸及重量 General dimensions and weight

公称通径(DN) nominal diameter	主要外形尺寸和连接尺寸(mm) general dimensions and connection dimensions						重量(kg) Weight
	L	D1	D2	D3	a	H	
J61Y-100、200、250、320 J61Y-P54 100V、P54 140V、P54 170V							
10	125	9	25	/	37.5°	185	140
15	155	17	36	/	37.5°	247	200
20	180	19	42	/	37.5°	248	200
25	180	26	42	/	37.5°	248	240
32	180	31	44	/	37.5°	248.5	280
40	215	38	60	/	37.5°	440	280
50	320	50	82	/	32°	450	320
65	430	69	100	110	32°	669	400
80	470	80	108	130	32°	669	450
100	560	100	144	165	32°	755	500
125	650	125	/	175	32°	795	500
150	730	150	/	220	32°	/	/
J61Y-P55 100V、P55 140V、P55 170V J61Y-P57 100V、P57 140V、P57 170V							
10	125	12	28	/	37.5°	189	140
15	155	17	40	/	37.5°	250	200
20	180	22	46	/	37.5°	252	200
25	180	26	46	/	37.5°	254	240
32	180	31	49	/	37.5°	254	280
40	215	38	60	/	37.5°	440	280
50	320	50	90	/	32°	455	320
65	430	69	104	110	32°	630	400
80	470	80	110	140	32°	672	450
100	560	100	148	170	32°	761	500
125	650	125	/	175	32°	795	500
150	730	150	/	220	32°	/	/

注：可根据用户要求选配电动、齿轮传动装置。以上数据仅供参考、用户定货时，请提供连接管尺寸。
Note: we can choose electric, wheel driving device according to the user's requirements. All above data are only reference. Please provide the connect pipe dimensions when place an order.



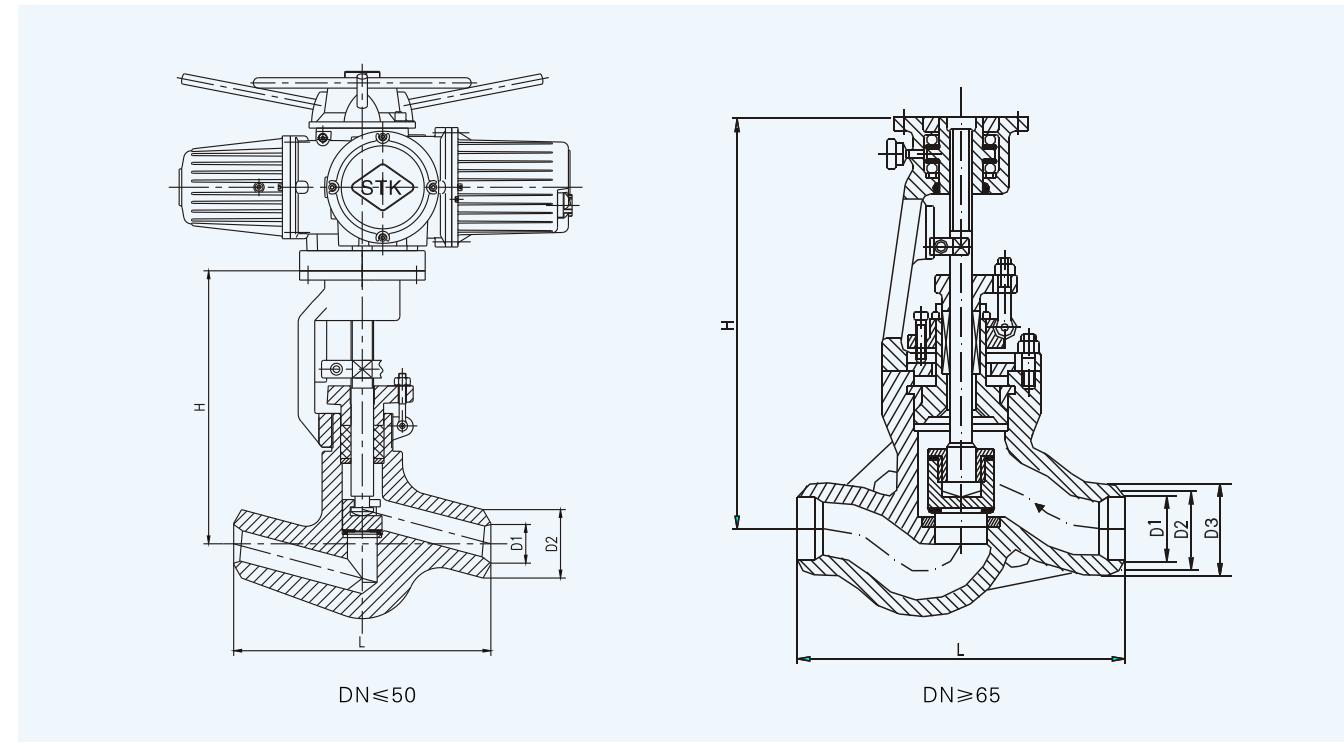
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◎ 主要尺寸及重量

General dimensions and weight

公称通径(DN) nominal diameter	主要外形尺寸和连接尺寸(mm) general dimensions and connection dimensions							重量(kg) Weight
	L	D1	D2	D3	a	H	D0	
CJQ61Y-100、200、250、320 CJQ61Y-P54 100V、P54 140V、P54 170V								
10	125	9	25	/	37.5°	195	140	3.5
15	155	17	36	/	37.5°	260	200	9
20	180	19	42	/	37.5°	260	200	11
25	180	26	42	/	37.5°	260	240	12
32	180	31	44	/	37.5°	260	280	18
40	215	38	60	/	37.5°	480	280	28
50	320	50	82	/	32°	500	320	70
65	430	69	100	110	32°	700	400	85
80	470	84	108	130	32°	700	450	130
100	560	107	144	165	32°	800	500	200
125	650	130	172	185	32°	795	500	315
150	730	150	/	220	32°	/	/	/
CJQ61Y-P55 100V、P55 140V、P55 170V CJQ61Y-P57 100V、P57 140V、P57 170V								
10	125	12	28	/	37.5°	200	140	3.8
15	155	17	40	/	37.5°	256	200	11
20	180	22	46	/	37.5°	256	200	15
25	180	26	46	/	37.5°	256	240	17
32	180	31	49	/	37.5°	256	280	20
40	215	38	60	/	37.5°	480	280	28
50	320	50	90	/	32°	510	320	80
65	430	69	104	110	32°	680	400	90
80	470	84	110	140	32°	720	450	140
100	560	107	148	170	32°	810	500	210
125	650	130	172	185	32°	795	500	315
150	730	150	/	220	32°	/	/	/

高压电站截止阀
High Voltage Power Station Globe Valve



公称通径(DN) nominal diameter	主要外形尺寸和连接尺寸(mm) general dimensions and connection dimensions					
	L	D1	D2	D3	a	H
J961Y-100、200、250、320 J961Y-P54 100V、P54 140V、P54 170V						
15	155	17	36	/	37.5°	518
20	180	22	42	/	37.5°	518
25	180	26	42	/	37.5°	518
32	180	31	44	/	37.5°	560
40	215	38	60	/	37.5°	545
50	320	50	82	/	32°	748
65	430	69	100	110	32°	829
80	470	84	108	130	32°	898
100	560	107	144	165	32°	913
125	650	120	172	185	32°	/
150	730	150	/	220	32°	/
J961Y-P55 100V P55 140V P55 170V J961Y P57 100V P57 140V P57 170V						
15	155	17	40	/	37.5°	518
20	180	22	46	/	37.5°	518
25	180	26	46	/	37.5°	518
32	180	31	49	/	37.5°	560
40	215	38	60	/	37.5°	545
50	320	50	90	/	32°	748
65	430	69	104	115	32°	829
80	470	84	110	140	32°	898
100	560	107	148	170	32°	913
125	650	130	172	185	32°	/
150	730	150	/	220	32°	/

以上数据仅供参考，用户定货时，请提供连接管尺寸。

All above data are only for reference, Please provide the connect pipe dimensions when place an order.

J65Y-320 DN300、350

【用途】

安装在锅炉主给水管道上，作为启闭装置用。阀门必须处于全开或全关状态，不能作为调节阀使用。阀门呈Y型阻力小，阀杆中心线与支管中心线呈45°角。

【结构特点】

- 采用压力自紧式密封结构，用牵制板予紧密封圈，密封圈采用成型的柔性石墨圈，介质压力越高，密封性能越好。
- 采用撞击式手轮减少了操作力。
- 阀座嵌入阀体，平面密封，阀瓣与阀座密封面均采用钴基硬质合金等离子喷焊而成，耐磨，抗擦伤。阀杆表面经抗蚀性氮化处理，介质从阀瓣下面流入。

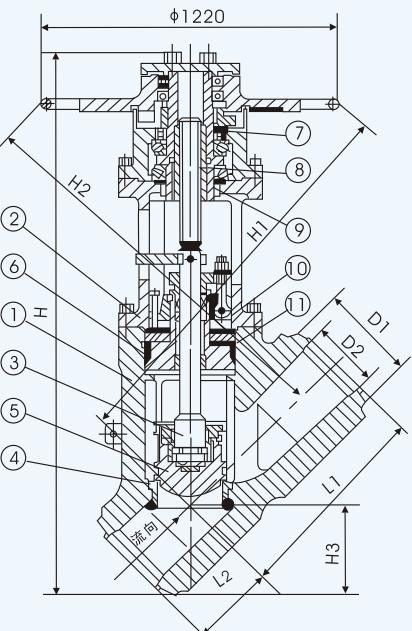
Application

It is installed in the main water supply pipe as gate devices. The valve should be in totally open or close and it can not be used as control valve.

The valve is Y type and the resistance is small, the central line of stem and branch pipe is 45° .

Structural features

- Pressure tight seal structure, the ring is flexible graphite, the higher the media pressure is, the sealing performance is better.
- Percussive hand wheel will reduce the operating force.
- The seat is inserted in the body and the sealing is flat, the sealing surface of valve disc and seat use the material of co-based carbide alloy steel, it is wear-resistant and anti-abrasion. The sealing surface of the stem has been treated by corrosion resistance of nitriding. The media flow from the



◎ 主要零件材料 Materials for the main parts

件号 Item	零件名称 Part name	材 料 Material	件 号 Item	零件名称 Part name	材 料 Material
1	阀 体 Body	碳 钢 Carbon Steel	7	外 套 Coat	铬钼钢 Cr-Mo steel
2	阀 盖 Bonnet	碳 钢 Carbon Steel	8	阀 杆 螺母 Stem nut	铝青铜 Aluminum Bronze
3	阀 杆 Stem	渗氮钢 Nitriding steel	9	轴 套 Sleeve	铝青铜 Aluminum Bronze
4	阀 座 Seat	碳 钢 Carbon Steel	10	牵 制 板 Check board	碳 钢 Carbon Steel
5	阀 瓣 Disc	碳 钢 Carbon Steel	11	四 合 环 Ring	渗氮钢 Nitriding steel
6	密 封 圈 Ring	柔 性 石 墨 Flexible Graphite			

◎ 主要尺寸和外形尺寸 The main size

DN/PN	H1	H2	H3	H	L1	L2	D1	D2
300/32	1810	1800	420	2530	970	400	413	306
350/32	1830	1820	420	2150	976	405	420	326

引进磅级高压电站截止阀

Advanced Pound-class High Voltage Power Station Globe Valve

{工匠精神 品质永恒}

【结构优势与】

- 产品设计制满足ANSI B16.34、E101标准，可与进口设备直接配套使用。
- 阀门中腔采用自紧式密封结构，内腔压力越高密封性能越好。支管两端为对焊接，适应不同的接管要求。
- 阀体、阀盖有足够的强度和刚性。通道流畅，流体阻力较小。
- 阀瓣和阀座的密封面采用司太立(stellite)钴基硬质合金堆焊而成，密封面硬度高，耐磨、耐高温、耐腐蚀、抗擦伤性能好，使用寿命长。
- 阀杆经调质和表面氮化处理，有良好的抗腐蚀性和抗擦伤性。
- 阀盖填料函深度合理，填料加缓蚀剂，密封可靠，开关平稳。
- 阀门具有上密封结构，保证阀门开启运行时不经阀杆外漏。
- 电动截止阀的开启和关闭由电动装置来控制，电动装置分别配有专用电机，减速器、转矩控制机构，现场操作机构，手、电动的切换机构。除就地操作外，还可进行远距离操作。

Advantages and characteristics of the structure

- The design standard is ANSI B16.34、E101, the products can be used directly in imported equipment.
- Central chamber of valve adopts self-tight sealing structure, the higher the pressure of inside chamber the better sealing performance of the valve. The connecting method of branch pipe is welding. It can be adopt to different requirements.
- The body and bonnet have enough strength and rigidity. The channel flows smoothly and flow resistance is small.
- The sealing surface of disc and seat is satellite, the hardness is high, wear-resistant, high temperature resistance, corrosion resistance, anti-abrasion performance, the using life is long.
- The surface of stem has been treated by nitriding processing, so it has good anti-corrosion and anti-scratch performance.
- The stuffing-box has been processed by nitride, the seal is reliable, and the switch is smooth.
- The valve has back sealed structure so there will no leakage through stem.
- The electrical actuator will control the opening and closing of the electrical globe valve. Both of local control and remote control are acceptable.

Usage(Application)

This kind of high-voltage electrical globe valve will be widely used in pressure rating ANSI 1500~3000, and the working temperature is -29~570°C, it is used in petroleum, chemical,



【用途】

磅级高压电截止阀适用于ANSI Class 1500~3500, 工作温度-29~570°C的石油、化工、火力电站等各种工况的管路上、切断或接通介质。适用介质：水、石油、蒸汽等。

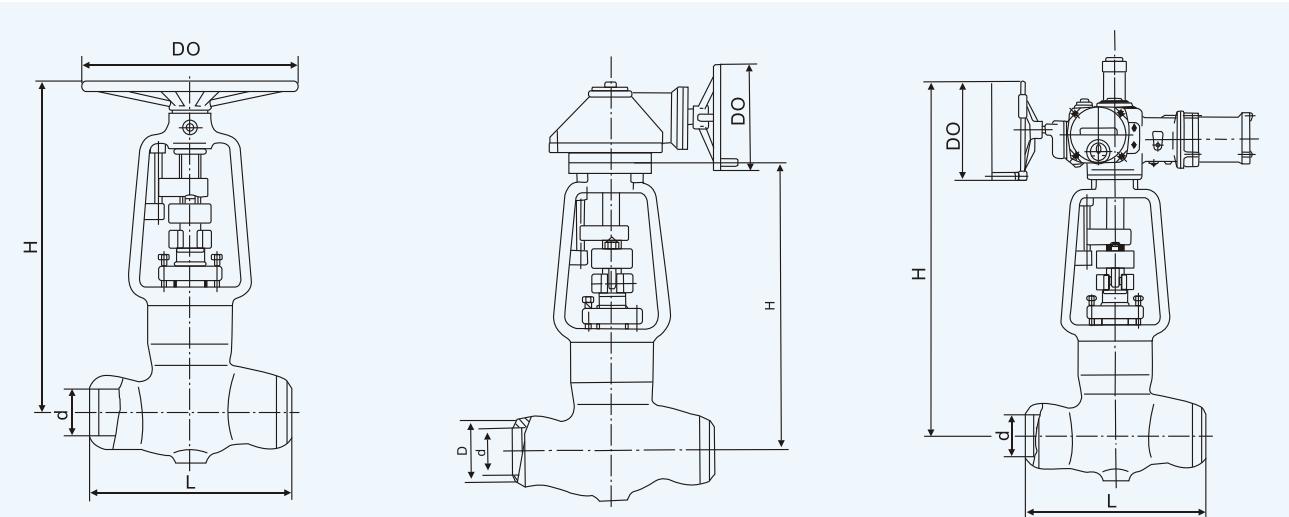
◎ 标准与规范 Standards and norms

设计与制造	结构长度	压力-温度等级	试验与检验
Design and manufacture	Face to face	Pressure – temperature rating	Test and Inspection

ANSI B16.34、E101 ANSI B16.10、E101 ANSI B16.34、E101 API598、E101

◎ 主要零件材料 Materials for the main parts

零件名称 Part name	材料牌号 Material Grade			
阀体 Body	WCB	WC1	WC6	WC9
阀盖 Bonnet	A105	15CrMoA	12Cr1MoV	12Cr1MoV
支架 Yoke	WCB	WCB	WCB	WCB
		WC1	WC6	WC9
闸板 Wedge	A105	15CrMoA	12Cr1MoV	12Cr1MoV
阀杆 Stem	25Cr2MoV	25Cr2MoV	25Cr2MoV	25Cr2MoV
阀座 Seat	A105	15CrMoA	12Cr1MoV	12Cr1MoV
密封环 Packing ring	增强柔性石墨 Enhanced Flexible Graphite			
填料 Packing	增强柔性石墨 Enhanced Flexible Graphite			
阀杆螺母 Stem nut	ZCuAl10Fe3			



◎ 主要尺寸及重量 Main size and weight

J61Y-1500Lb

公称通径Nps(in) Nominal diameter	主要外形尺寸及连接尺寸(mm) The main dimensions and connecting dimensions				重量(kg) Weight
	d	L	H	D0	
3	65	390	820	510	160
4	80	480	910	560	240
5	103	580	985	610	270
6	124	630	1105	800	440

J61Y-2000Lb J61Y-2500Lb

公称通径Nps(in) Nominal diameter	主要外形尺寸及连接尺寸(mm) The main dimensions and connecting dimensions				重量(kg) Weight				
	d	L	H	D0					
2 1/2	52△	47*	420	815△	840*	510	160	250	
3	62△	55*	470	895△	940*	560	200	290	
4	80△	73*	570	975△	1045*	610	270	350	
5	98△	88*	660	1045△	1275*	700	340	400	
6	120△	104*	760	1246△	1400*	800	470	500	

(Note):△-J61Y-2000Lb*-J61Y-2500Lb

公称通径Nps(in) Nominal diameter	主要外形尺寸及连接尺寸(mm) The main dimensions and connecting dimensions				重量(kg) Weight
	d	L	H	D0	
2 1/2	38	480	890	46	235
3	48	640	1030	560	425
4	55	800	1155	610	500

引进磅级高压电站截止阀

Advanced Pound-class High Voltage Power Station Globe Valve

{工匠精神 品质永恒}

工恒阀门(上海)有限公司

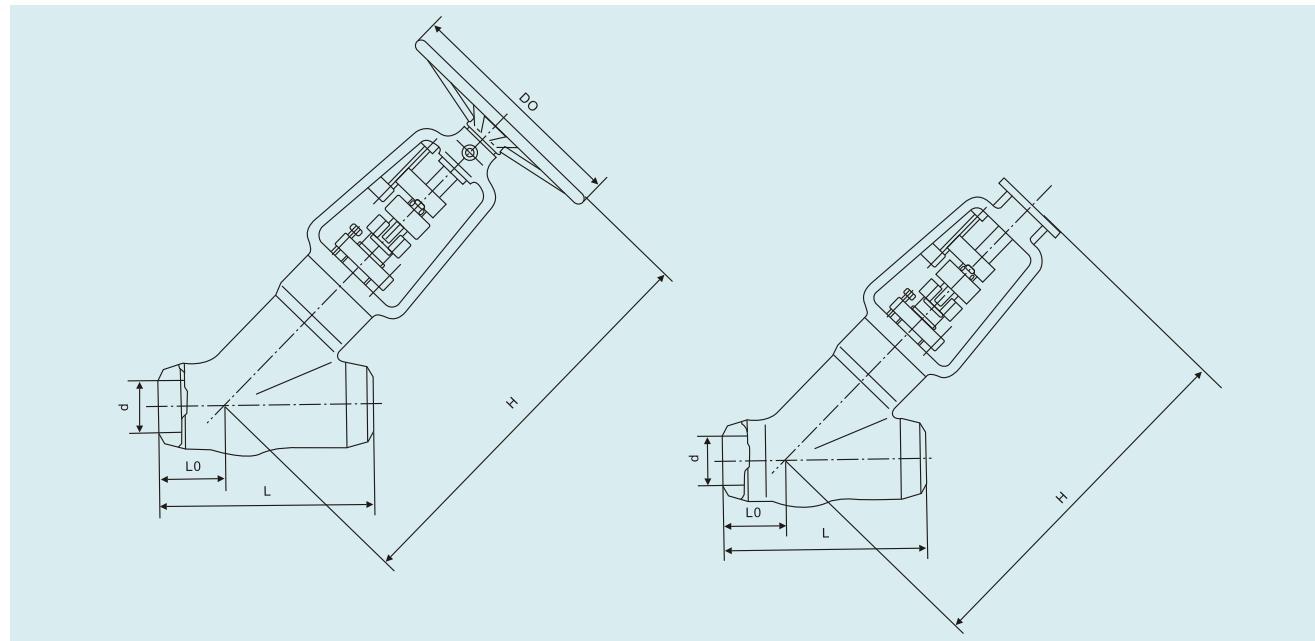


◎ 主要尺寸及重量 Main size and weight

公称通径NPS(in) Nominal diameter	主要外形尺寸及连接尺寸(mm) The main dimensions and connecting dimensions						电动装置 Electrical device	重量(kg) Weight
	d	L	H	D0	L1	L2		
J961Y-1500Lb								
3	64	390	1030	305	400	555	SMC-00	265
			1077	305	410	565	SMC-0	270
4	84	480	1030	305	410	565	SMC-0	384
			1070	305	420	645	SMC-1	490
5	100	580	1125	305	420	654	SMC-1	520
			1135	457	440	688	SMC-2	642
6	125	630	1681	305	420	654	SMC-1	804
8	158	770	18	305	420	654	SMC-1	948
J961Y-2000Lb								
2 1/2	50	420	975	305	410	565	SMC-0	340
			1015	305	420	654	SMC-1	406
3	60	470	1060	305	410	565	SMC-0	388
			1095	305	420	654	SMC-1	470
4	80	570	1220	305	420	654	SMC-1	542
			1235	457	440	688	SMC-2	606
5	96	660	1425	457	440	688	SMC-2	646
			1500	610	690		SMC-3	874
6	118	760	1480	457	440	688	SMC-2	780
			1560	610	690		SMC-3	1100
J961Y-2500Lb								
2 1/2	46	420	975	305	410	565	SMC-0	390
			1015	305	420	654	SMC-1	600
3	54	470	1065	305	410	565	SMC-0	430
			1095	305	420	654	SMC-1	640
4	70	570	1220	305	420	654	SMC-1	700
			1235	457	440	688	SMC-2	722
5	88	660	1425	457	440	688	SMC-2	722
			1500	610	690		SMC-3	810
6	104	760	1480	457	440	688	SMC-2	872
			1685	610	690		SMC-3	917
J961Y-3500Lb								
2 1/2	38	480	945	305	400	555	SMC-00	342
			1025	305	410	565	SMC-0	375
3	48	640	1150	305	410	565	SMC-0	565
			1185	305	420	654	SMC-1	675
4	60	762	1366	305	710	565	SMC-0	810
			1300	457	440	688	SMC-2	872
5	74	864	1530	457	440	688	SMC-2	920
6	88	965	1725	610	690		SMC-3	1100

注：电装可采用扬州、天津、常州产品。

Note: The electrical actuator will use products from Yangzhou, Tianjin and Changzhou.



◎主要尺寸及重量 Main size and weight

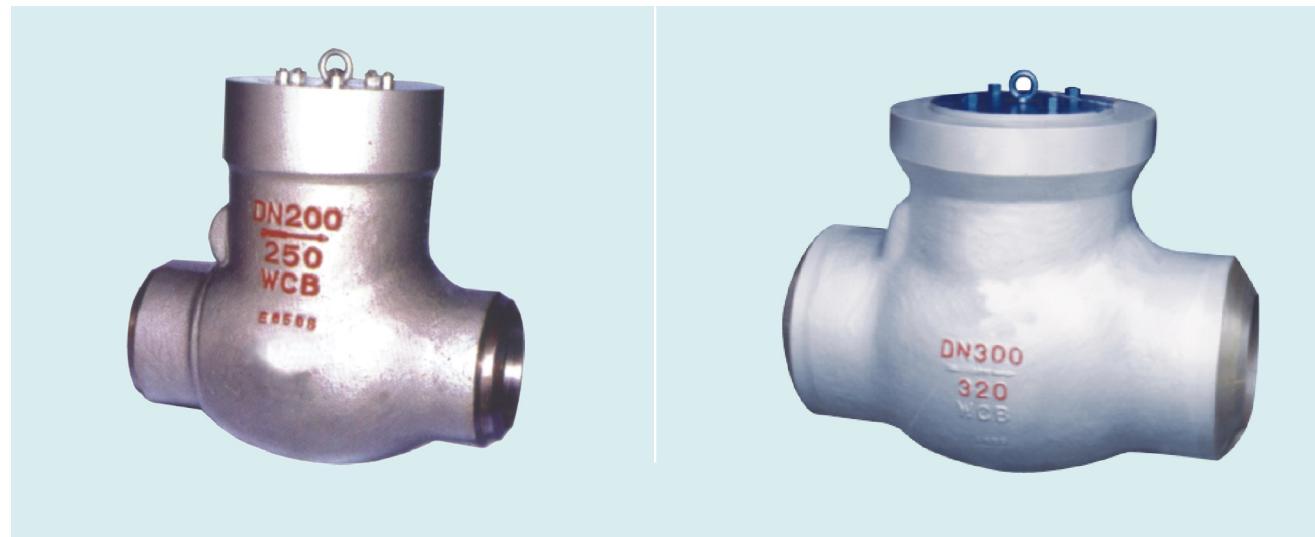
公称通径(mm) Nominal diameter	主要外形尺寸及连接尺寸(mm) The main dimensions and connecting dimensions					重量(kg) Weight
	d	L	L0	H	D0	
J65Y-1500Lb						
21/2	56	21/2	130	670	360	45
3	64	3	140	750	460	70
4	84	4	170	830	510	110
5	100	5	185	910	560	139
6	126	6	190	1100	610	180
J65Y-2500Lb						
2	38	310	120	550	300	42
21/2	46	340	130	670	360	72
3	54	390	147	750	460	81
4	70	480	170	830	720	130
公称通径NPS(in) Nominal diameter						
主要外形尺寸及连接尺寸(mm)						
公称通径NPS(in) Nominal diameter						
主要外形尺寸及连接尺寸(mm)						
J961Y-1500Lb						
3	64	390	140			
4	84	480	170			
5	100	580	185			
6	125	630	190			
8	158	770	262			
J961Y-2500Lb						
2	38	310	120			
21/2	46	340	130			
3	54	390	140			
4	70	480	170			
5	86	580	185			
6	104	630	200			
8	130	770	260			
10	162	930	300			
12	210	1060	360			
14	234	1160	395			

【执行标准】

- 设计制造与验收按日本火力发电阀门标准E101和JB/T3595、DL/T923标准规定。
- 结构长度按GB/T 12221, E101、JB/T2766、GB/T15188.1标准规定或按用户要求。
- 压力-温度等级按E101、JB/T3595标准规定。
- 焊接坡口尺寸按GB/T12224、JB/T3595、ASME B16.25标准规定或按用户配管尺寸要求。

Standards

- Design and manufacture: E101 and JB/T 3595 and DL/T923.
- Face to face: GB/T12221,E101、JB/T2766、GB/T15188.1.
- Pressure – temperature rating: E101 and JB/T3595



◎性能规范 Performance Specifications

公称压力PN Nominal pressure (Mpa)	试验压力Ps(Mpa) Test pressure			工作压力(Mpa)			工作温度 Working temperature ℃	适用介质 The media
	强度 Intensity	密封(液) Sealing (liquid)	P54	P55	P57			
10.0	15.0	11.0				≤425	水、蒸汽、油品 Water、steam and oil	
16.0	24.0	17.6						
20.0	30.0	22.0						
25.0	37.5	27.5						
32.0	48.0	36.0						
P5410	30.0	22.0	10				≤540	
P5414	37.5	27.5	14					
P5417	48.0	36.0	17					
P5510	37.5	27.5		10				
P5514	48.0	36.0		14		≤550	蒸汽 steam	
P5517	53.0	39.0		17				
P5710	48.0	36.0			10			
P5714	55.0	40.0			14			
P5717	60.0	44.0			17			

【用途】

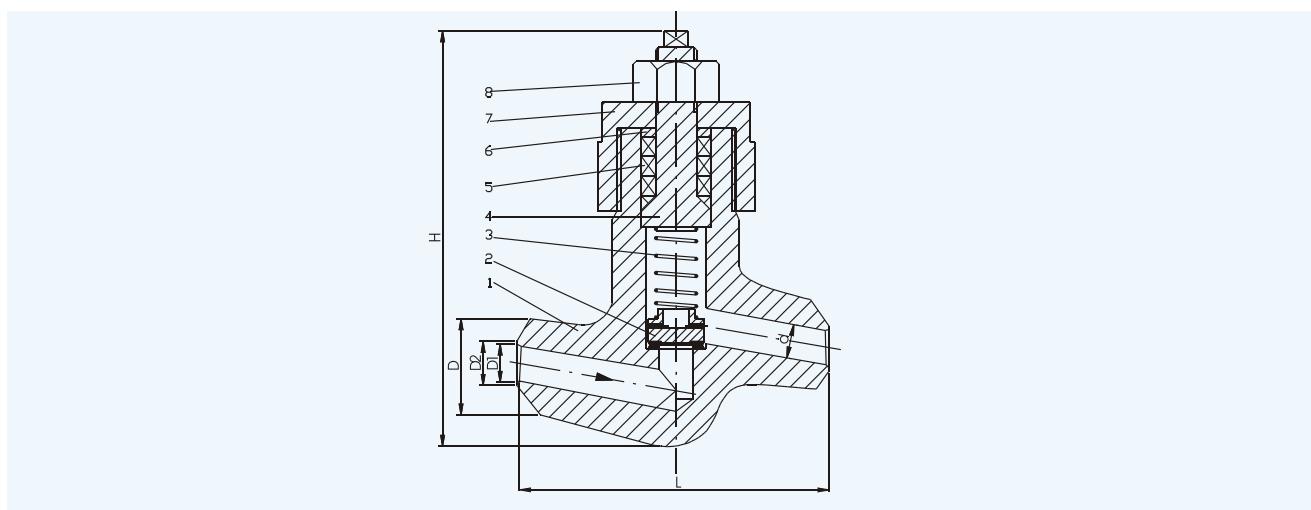
安装在水汽管道上，作为自动防止介质逆流的安全装置。

【结构特点】

- 1、阀瓣整体淬火，并能在阀体内上下移动，介质倒流时，借介质压力自动将阀瓣关闭。
- 2、阀体、阀盖均为模锻件。
- 3、阀座上的密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 4、止回阀应垂直安装在水平管道上介质流向从下往上流（正流）。

Structural characteristics

- 1、The total disc is quenching and can move freely in the body, when the media flows counter-currently, the disc will close by the pressure of the media.
- 2、The body and bonnet are model casting.
- 3、The sealing material for the sealing surface of the seat is co-based carbide alloy steel and it has good wear-resistant, anti-wiping performance.
- 4、The check valve should be installed vertically.



◎ 主要零件材料: Materials for the main parts

型号 Mode	零件名称 Part name							
	① 阀体 Body	② 阀瓣 Disc	③ 弹簧 Spring	④ 阀杆 Stem	⑤ 填料 Packing	⑥ 压板 Platen	⑦ 阀盖 Bonnet	⑧ 锁紧螺母 Locking nut
H61Y-250 H61Y-320	碳钢 Carbon Steel	碳钢 Carbon Steel	弹簧钢 Spring steel	不锈钢 Stainless steel	柔性石墨 Flexible Graphite	碳钢 Carbon Steel	碳钢 Carbon Steel	优质碳素钢 High-quality carbon steel
H61Y-P ₅₄ 100V H61Y-P ₅₇ 170V	铬钼钒钢 V-Cr-Mo steel	铬钼钒钢 V-Cr-Mo steel	弹簧钢 Spring steel	铬钼钒钢 V-Cr-Mo steel	柔性石墨 Flexible Graphite	铬钼钒钢 V-Cr-Mo steel	铬钼钒钢 V-Cr-Mo steel	铬钼钢 Cr-Mo steel

◎ 主要外形尺寸和连接方式 Main size and connection

公称通径(mm) Nominal diameter	尺寸(mm) Size						配管 外径×壁厚(mm) Piping Outer diameter × Wall thickness	参考重量(Kg) Reference weight
	L	D	D1	D2	d	H		
10	125	30	10	13	10	156	16×3	3
15	155	42	14	18	14	170	22×4	8.5
20	180	42	19	23	14	180	28×4	9
25	180	53	19	23	19	200	28×4	10
32	180	53	26	30	26	210	38×6	14
40	215	75	38	43	33	250	60×10	25
50	320	85	48	53	37	300	76×12	28

高压电站止回阀

High Voltage Power Station Check Valve

《工匠精神 品质永恒》

H61^H_Y-200 H61^H_Y-250 DN65、80、100

【用途】

安装在水管道上，作为自动防止介质逆流的安全装置。

【结构特点】

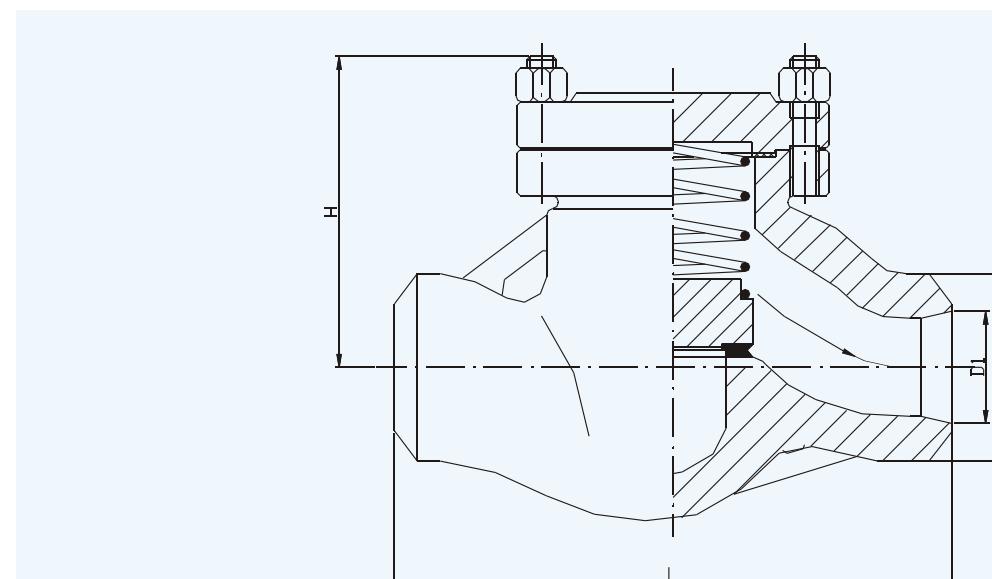
- 1、阀瓣经过防护性多层电镀，介质倒流时，借介质压力自动将阀瓣关闭。
- 2、阀座上的密封面均采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能好。
- 3、止回阀应垂直安装在水平管道上，介质从下往上流（正流）。
- 4、采用中法兰连接。

Usage(Application)

It is installed in water pipe and automatically prevent the media counter-current as safety devices.

Structural characteristics

- 1、The total disc is quenching and can move freely in the body, when the media flows counter-currently, the disc will close by the pressure of the media.
- 2、The body and bonnet are model casting.
- 3、The sealing material for the sealing surface of the seat is co-based carbide alloy steel and it has good wear-resistant, anti-wiping performance.



◎ 主要零件材料 Materials for the main parts

件 号 Item	零件名称 Part name	材 料 Material
1	阀体 Body	碳 钢 Carbon steel
2	阀瓣 Disc	碳 钢 Carbon steel
3	弹簧 Spring	弹 簧 Steel
4	阀盖 Bonnet	碳 钢 Carbon steel

◎ 主要外形尺寸和连接尺寸 The main dimensions and connection dimensions

公称通径(mm) Nominal diameter	尺寸(mm) Size				重量(kg) weight
	L	D	D1	H	
65	350	110	65	250	30
80	380	128	80	280	61
100	420	160	100	310	120

H61Y-²⁰⁰₂₅₀³²⁰ H61Y-P₅₄100v-P₅₇170v

【用途】

安装在水管道上，作为自动防止介质逆流的安全装置。

【结构简述】

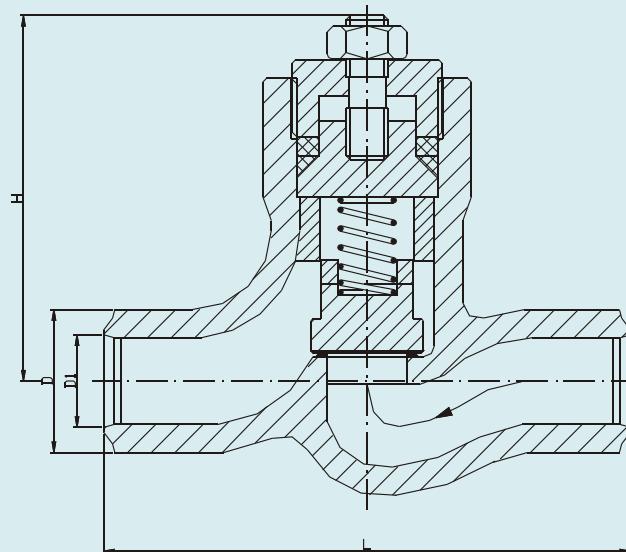
- 1、中部采用自紧式密封结构，压力越高，密封性能越好。
- 2、阀瓣经过防护性多层电镀处理，在体腔内作上下移动，介质倒流时，借介质压力自动关闭。
- 3、阀瓣与阀座密封面采用钴基硬质合金等离子喷焊而成，硬度高、抗冲蚀、抗擦伤性能好。
- 4、垂直安装于水平管道上，介质从下往上流。

Usage(Application)

It is installed in water pipe and automatically prevent the media counter-current as safety devices.

Structural characteristics

- 1、The total disc is quenching and can move freely in the body, when the media flows counter-currently, the disc will close by the pressure of the media.
- 2、The body and bonnet are model casting.
- 3、The sealing material for the sealing surface of the seat is co-based carbide alloy steel and it has good wear-resistant, anti-wiping performance.



◎ 主要零件材料 Materials for the main parts

型号 Model	零件名称 Part name					
	阀体 Body	阀瓣 Disc	弹簧 Spring	浮动阀芯 Floating disc	填料 Packing	阀盖 Bonnet
H61Y-200	碳钢	碳钢	弹簧钢	不锈钢	柔性石墨	碳钢
H61Y-250	Carbon Steel	Carbon Steel	Spring steel	Stainless steel	Flexible Graphite	Carbon Ste
H61Y-300						优质碳素钢 High-quality carbon steel
H61Y-P ₅₄ 100V	铬钼钒钢	铬钼钒钢	弹簧钢	铬钼钒钢	柔性石墨	铬钼钢
H61Y-P ₅₇ 170V	V-Cr-Mo steel	V-Cr-Mo steel	Spring steel	V-Cr-Mo steel	Flexible Graphite	V-Cr-Mo steel

◎ 主要外形尺寸和连接尺寸 Main size and connection:

公称通径(mm) Nominal diameter	尺寸(mm) Size				配管外径×壁厚(mm) Piping Outside diameter × Wall thickness	重量(kg) weight
	L	D	D1	H		
65	430	110	67	330	89×11	39
80	470	130	84	340	108×14	75
100	560	165	101	370	133×16	148
125	650	185	124	390	168×22	180
150	730	220	164	400	195×15	340
175	900	240	187	428	219×16	400
200	950	260	200	518	/	603

H61Y-200

【用途】

安装在水管道上，作为自动防止介质逆流的安全装置。

【结构特点】

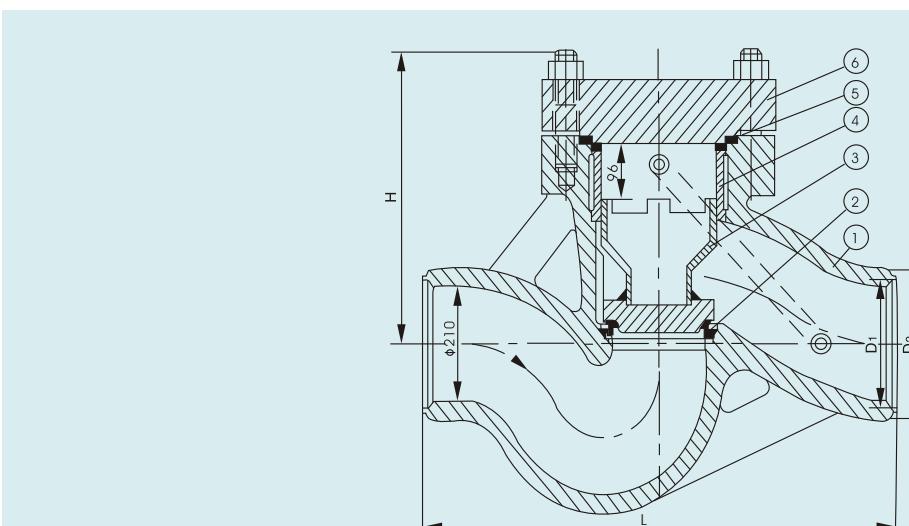
- 1、阀瓣在阀体内作升降运动，连通管使阀瓣的上腔与阀门出口连通，在阀瓣升起与回落时，减少了冲击和振动，并使阀瓣达到全行程。
- 2、阀体上腔采用不锈钢导向套，保证阀瓣动作灵活。
- 3、阀瓣与阀座密封面采用钴基硬质合金等离子喷焊而成，硬度高，抗冲蚀、抗操作性能好。

Usage(Application)

It is installed in water pipe and automatically prevent the media counter-current as safety devices.

Structural characteristics

- 1、The total disc is quenching and can move freely in the body, when the media flows counter-currently, the disc will close by the pressure of the media.
- 2、The body and bonnet are model casting.
- 3、The sealing material for the sealing surface of the seat is co-based carbide alloy steel and it has good wear-resistant, anti-wiping performance.



◎ 主要外形尺寸和连接尺寸 Main size and connection:

公称通径(mm) Nominal diameter	尺寸(mm) Size				重量(kg) weight
	L	D	D1	H	
65	350	110	65	250	—
80	380	128	80	280	—
100	420	160	100	310	—

◎ 主要零件材料 Materials for the main parts

件号	1	2	3	4	5	6
名称 Name	阀体 Body	阀座 Seat	阀瓣 Disc	导向套 Bearing ring	缠绕垫圈 Gasket	阀盖 Bonnet
材料 Material	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	不锈钢 Stainless steel	1Cr18Ni9Ti 填充柔性石墨 Filled flexible graphite	碳钢 Carbon steel

H67Y-250 H67Y-320 DN225、300、350

【用途】
安装在水平管道上，作为自动防止介质逆流的安全装置。

【结构特点】

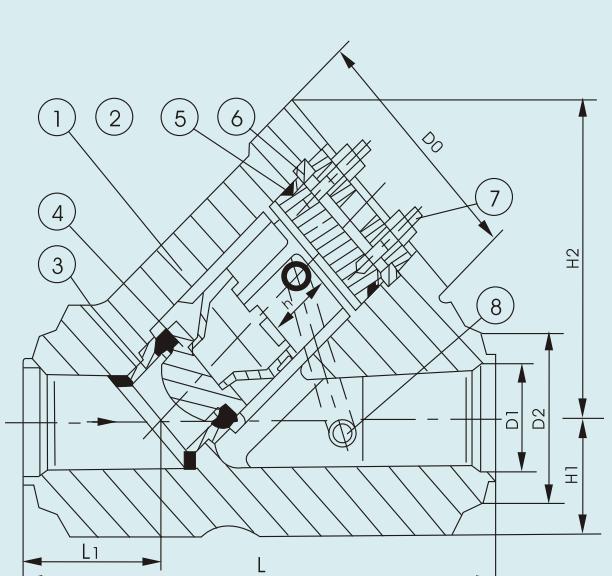
- 1、阀瓣作升降运动，连通管使阀瓣的上腔与阀门出口连通，在阀瓣升起与回落时，减少了冲击和振动，并使阀瓣达全行程。
- 2、阀体为“Y”型，阻力小。导向筋上堆焊铁基硬质合金，阀体上腔导向套采用不锈钢材料制成，保证阀瓣动作灵活。
- 3、压力自紧式密封机构，靠介质本身压力密封，压力越高，密封性越好。
- 4、阀瓣与阀座密封面采用钴基硬质合金等离子喷焊而成，硬度高，抗冲蚀、抗擦伤，经久耐用。

Usage(Application)

It is installed in water pipe and automatically prevent the media counter-current as safety devices.

Structural characteristics

- 1、The total disc is quenching and can move freely in the body, when the media flows counter-currently, the disc will close by the pressure of the media.
- 2、The body and bonnet are model casting.
- 3、The sealing material for the sealing surface of the seat is co-based carbide alloy steel and it has good wear-resistant, anti-wiping



◎主要零件材料 Materials for the main parts

件号 Item	1	2	3	4	5	6	7	8
零件名称 Part name	阀体 Body	阀盖 Bonnet	阀座 Seat	阀瓣 Disc	密封圈 Ring	四合环 Four rings	螺栓 Bolt	连接管 Connecting tube
材料 Material	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	石墨盘根 Graphite packing	渗氮钢 Nitriding steel	合金钢 Alloy Steel	碳钢 Carbon steel

◎主要外形尺寸和连接尺寸 The main size and connection

公称通径 Nominal diameter DN(mm)	尺寸(mm) Size							配管尺寸 Piping size (mm)	质量(kg) Quality	
	L	L1	H1	H2	D0	D1	D2			
225	1000	250	148	481	400	217	278	140	Φ273×26	745
300	1370	400	238	854	686	306	406	200	Φ406×50	2853
350	1370	405	258	870	670	326	426	220	Φ426×50	3190

J961Y-P505.3V DN200

【用途】

截止一止回阀安装在联合循环余热炉的主蒸汽管道上，作为防止介质倒流，当锅炉发生故障，靠介质压力快速将阀门关闭，对锅炉起到安全保护作用。

【结构特点】

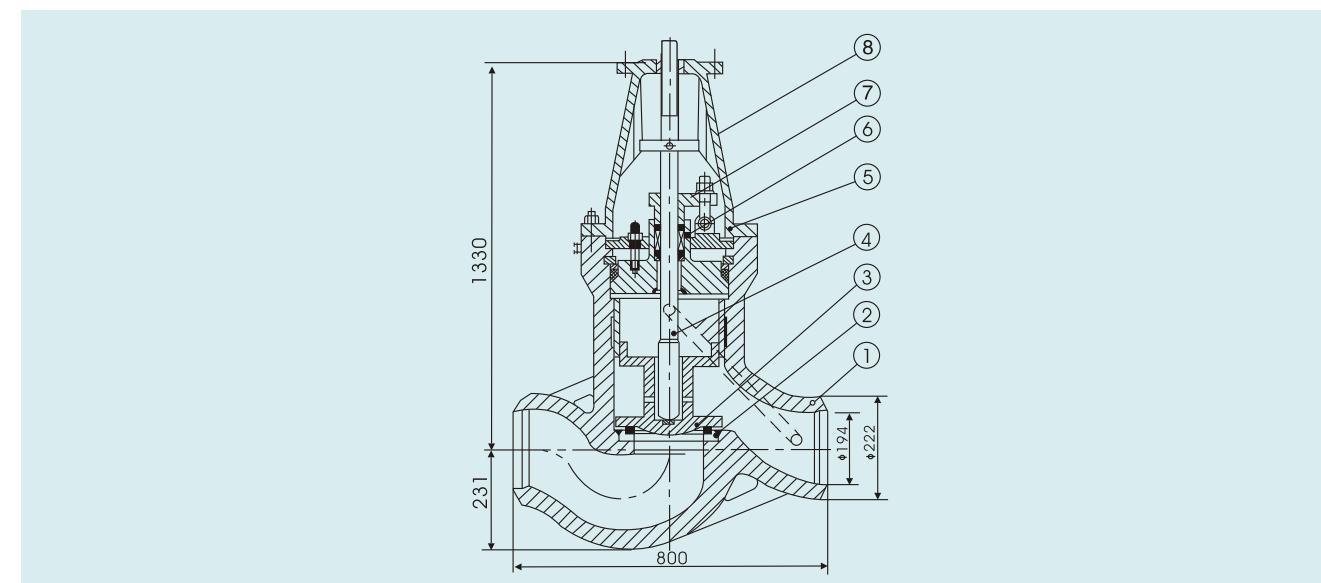
- 1、阀门采用压力自紧式密封，介质压力越高，密封性能越好。密封圈采用成型石棉盘根。
- 2、阀瓣在阀体内作升降运动，运动前先将阀杆提起，靠介质压力将阀门自动打开。当锅炉发生故障时，阀门入口压力降低，介质倒流将阀门快速关闭。
- 3、阀门支架与电动装置相连，使阀门达到更好的密封。
- 4、阀瓣和阀座密封面采用钴基硬质合金等离子喷焊而成。耐磨、抗擦伤性能良好。
- 5、阀杆表面经抗腐蚀性氮化处理，具有良好的抗腐蚀性的抗擦伤性，手轮顺时针旋转为关闭阀门。

Usage

It is installed in the main steam pipes of boiler to prevent the media flows back, when the boiler doesn't work , the valve will close by the media's pressure and the boiler will be protected.

Structural characteristics

- 1、The valve adopt the self-tight pressure, the higher the media's pressure, the better of the sealing performance. The sealing ring adopt asbestos packing.
- 2、The disc will do up-and-down movement, the stem will open and the valve will open by the pressure of the media. When the boiler doesn't work , the valve will close by the media's pressure and the boiler will be protected.
- 3、The stent and the electrical actuator connected together to make the good sealing.
- 4、Sealing surface of disc and seat adopt satellite, so it has good wear-resistant, anti-wiping performance.
- 5、The surface of the stem has treatment of corrosion resistance of nitriding, it has good wear-resistant, anti-wiping performance, rotate the



◎主要零件材料 Materials for the main parts

件号 Item	1	2	3	4	5	6	7	8
名称 name	阀体 Body	阀座 Seat	阀瓣 Disc	阀杆 Stem	阀芯 Trim	填料 Packing	填料压盖 Packing bracket	支架 Stent
材料 Material	铬钼钒钢 V-Cr-Mo steel	铬钼钒钢 V-Cr-Mo steel	铬钼钒钢 V-Cr-Mo steel	渗氮钢 Nitriding steel	铬钼钒钢 V-Cr-Mo steel	增强柔性石墨 +石墨盘根 Enhanced flexible graphite	铬钼钒钢 V-Cr-Mo steel	碳钢 Carbon Steel

◎电装选择按下列表 Electrical actuator selection according to the following table

口径/压力 Diameter/Pressure	电装型号 Model of electrical actuator	公称转矩(N.m) Nominal torque	电装生产厂家 Manufacturer
200/P505.3V	SK200	2000	斯托克测控设备(上海)有限公司 Sitoke C&M(Shanghai) Co.,Ltd

以上电动装置，如用户特殊要求（如户外型、防爆型等），请在订货时注明
If you have special requirements about the above electrical actuator such as outdoor and explosion-proof etc, please give us specification in the order.

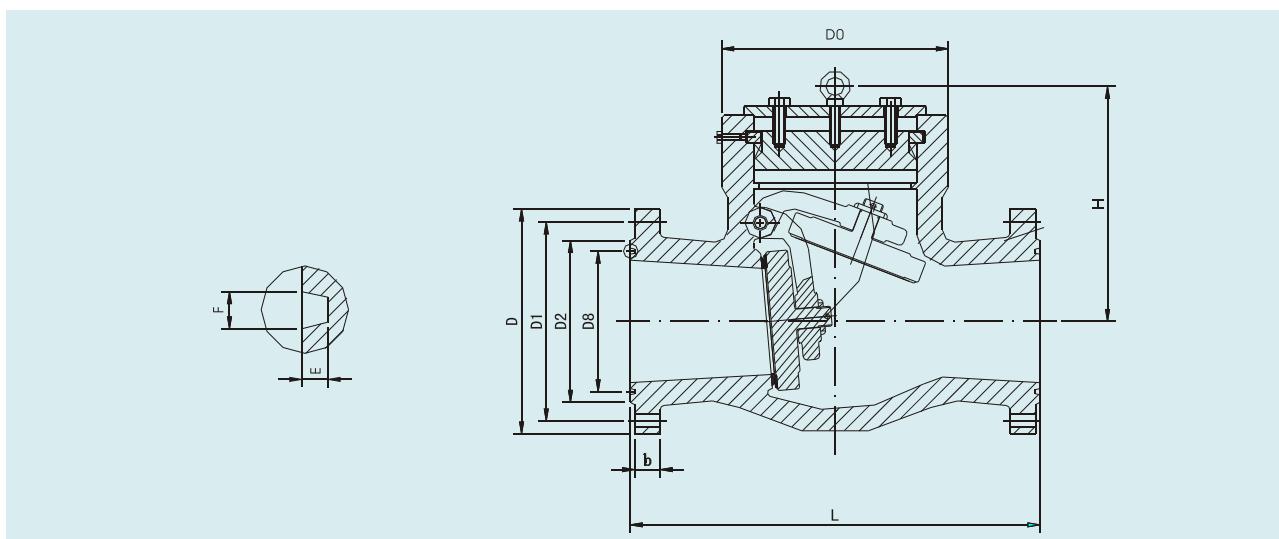
H44^H_Y-160、200

【结构特点】

1. 产品按国家标准GB/T12236设计制造，结构合理，密封可靠，性能优良。
2. 阀瓣和阀座的密封面用铁基合金或司太立(stellite)钴基硬质合金堆焊而成，耐磨、耐高温，耐腐蚀，抗擦伤性能好，使用寿命长。
3. 可采用各种配管法兰标准及密封面型式，满足各种工程需要及用户要求。
4. 阀体材料品种齐全，垫片可根据实际工况或用户要求合理选配，能适用于各种压力、温度及介质工况。
5. 阀瓣围绕座外的销轴旋转，减少关闭时发生猛烈冲击。
6. 销轴与阀瓣连接采用内装式结构，不存在外泄漏点，使用更可靠。

Structural characteristics

1. Design and manufacture according to GB/T 12236, this kind of valve has rational structure and has reliable sealing and excellent performance.
2. Sealing surface of disc and seat adopts satellite, so it has good wear-resistant, anti-wiping performance.
3. We can adopt the standard piping flange and sealing surface type to meet different construction needs and customer needs.
4. The body material has varied kinds and can be selected according to the actual working conditions, the valves can apply to different pressure, temperature, medium, etc.
5. The disc rotated by the hinge pin to reduce the severe impact occurs.



◎主要性能规范 Main Performance Specifications:

型号 Model	公称压力PN/MPa Nominal pressure	试验压力/Mpa Test pressure		适用温度 /°C The application of temperature	适用介质 The media
		壳体 Shell	密封 Sealing		
H44H-160	16.0	24.0	18.0	≤425	水、蒸汽、 Water、steam 石油、石油产品等 oil and oil product etc
H44Y-200	20.0	30.0	22.0		

◎主要零件材料 Materials for the main parts

零件名称 Part name	阀体、摇杆 Body and stem	阀瓣、螺母 Disc and nut	阀盖 Bonnet	销轴、四开环 Pin Four open-loop	螺栓 Bolt	密封环 Sealing ring
H44H-160	碳素铸钢 WCB	碳钢 Carbon steel	碳素铸钢WCB	不锈钢 Stainless steel	铬钼钢 Cr-Mo steel	柔性石墨 Flexible Graphite
H44Y-200			碳钢 Carbon steel			

◎主要尺寸及重量 Main dimensions and weight

JB/82.4												
公称通径 DN/mm	尺寸(mm) Size										重量/kg weight	
	L	D	D1	D2	D8	b	F	E	z-φd	D0	H	
50	300	215	165	132	95	36	12	8	8-φ25	142	210	44.5
65	340	245	190	152	110	44	12	8	8-φ30	227	161	54.7
80	380	260	205	168	130	46	12	8	8-φ30	235	180	67.5
100	430	300	240	200	160	48	12	8	8-φ34	274	210	101.5
150	550	390	318	270	205	66	14	10	12-φ41	340	300	220.6
200	650	480	400	345	275	78	17	11	12-φ48	374	375	404
300	900	665	570	510	380	100	23	14	12-φ54	505	480	1019

JB/79.4											
公称通径DN/mm Nominal diameter	尺寸(mm) Size										z-φd
	L	D	D1	D2	D8	F	E				
65	400	260	203	165	110	12	8				8-φ30
80	450	290	230	190	160	12	8				8-φ34
100	520	360	292	245	190	12	8				8-φ41
150	700	440	360	305	240	14	10				12-φ48
200	800	535	440	380	305	17	11				12-φ54

产品引用标准 Standards

设计与制造Design and manufacture: JB/T3595、ANSI B16.34、E101。
 结构长度Face to face: GB/T13188.1、ANSI B16.1 E101或按用户要求。
 压力温度等级Pressure-temperature rating: JB/T3595、ANSI B16.34、E101。
 试验与检验Inspection and test: JB/T3595、API598。

产品结构特点 Product structure and characters

1、产品设计制造按JB/T3595、ANSI B16.34、E101标准，可与进口设备配备使用。

2、阀门中腔采用压力自紧式密封结构，内腔压力越高密封性能越好。

3、支管两端为对焊连接，根据用户管配尺寸可以制造出适应不同的接管要求。

4、阀门耐压部件选用优质耐热合金钢制造，高温性能好，承受压力高，耐用、安全、可靠。

5、密封面采用司太立(stellite)钴基硬质合金堆焊而成，耐磨、耐高温，抗擦伤性能好、使用寿命长。

6、阀瓣转绕阀座外的销轴旋转，减少关闭时发生猛烈冲击。

1、Design and manufacture standards are according to JB/T 3595、ANSI B16.34 and E101. It can be matched with the use of imported equipment.

2、Central chamber of valve adopts self-tight sealing structure, the higher the pressure of inside chamber the better sealing performance of the valve. The connecting method of branch pipe is welding. It can be adopt to different requirements.

3、The two ends of the branch is butt welded, other branch will be produced according to piping requirements.

4、Pressure parts are high-quality heat-resistant alloy steel, High-temperature performance and bearing pressure is high, Anti-abrasion performance is good and has long using life.

5、The sealing surface is used satellite and wear-resistant and high temperature, Anti-abrasion performance is good and has long using life.

主要零件材料 Materials for the main parts

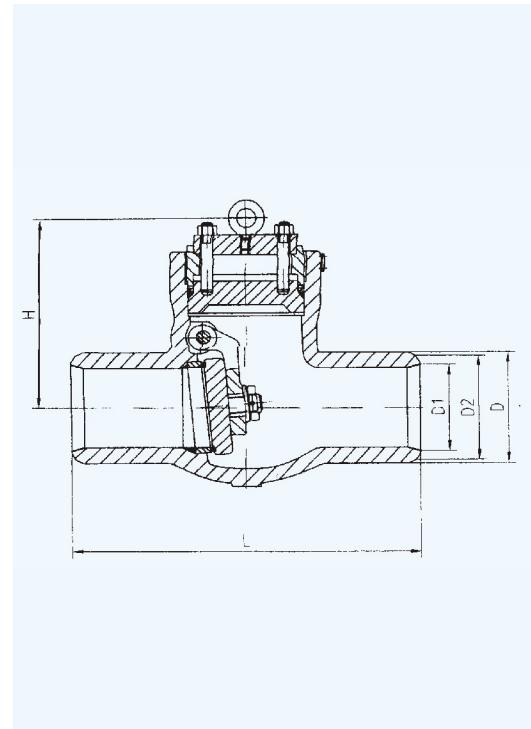
零件名称 Part name	材料牌号 Material Grade			
阀体 Body	WCB	WC1	WC6	WC9
阀座 Seat	25	15CrMoA	12Cr1MoV	
阀瓣 Disc	WCB	WC1	WC6	WC9
摇杆 Stem	WCB	WC1	WC6	WC9
阀盖 Bonnet	25	15CrMoA	12Cr1MoV	
密封环 Ring	S软钢(增强柔性石墨) Enhanced Flexible Graphite		S软钢 S mild steel	

主要连接尺寸 Main connection dimensions

DN	L	D	D2	D1	H
100	560	162	136	100	350
125	540	200	166	125	355
150	605	210	185	145	400
200	770	265	235	195	455
225	765	340	240	209	465
250	780	350	310	250	485
300	1000	340	330	280	520

性能规范 Performance Specifications

公称压力 Nominal pressure PN(MPa)	试验压力 PS(MPa)		工作压力 Working pressure			工作温度(℃) Working temperature	适用介质 The media
	强度 Intensity	密封(液) Sealing(liquid)	P ₅₄	P ₅₅	P ₅₇		
10.0	15.0	11.0				≤425	水、蒸汽 油品 Water、steam and oil
16.0	24.0	17.6					
20.0	30.0	22.0					
25.0	37.5	27.5					
32.0	48.0	36.0				≤540	
P ₅₄ 10	30.0	11.0	10				
P ₅₄ 14	37.5	15.4	14				
P ₅₄ 17	48.0	18.7	17				
P ₅₄ 10	37.5	11.0		10		≤550	蒸汽 Steam
P ₅₅ 14	48.0	15.4		14			
P ₅₅ 17	53.0	18.7		17			
P ₅₇ 10	48.0	25.0			10		
P ₅₇ 14	55.0	32.0			14	≤570	
P ₅₇ 17	60.0	35.0			17		



【磅级旋启止回阀】

磅级电站旋启式止回阀适用于Class1500~2500, 工作温度-29~570℃的石油、化工、火力电站等管路上。

【结构特点】

1、产品设计制造按ANSI B16.34和JIS E101标准的规定，结构合理性能可靠。

2、阀门中腔采用压力自紧式密封，性能可靠。

3、阀门耐压部件选用优质耐热合金钢制造，高温性能好，承压力高，耐用、安全、可靠。

4、密封副配对先进合理，阀板和阀座的密封面采用不同硬度的司太立钴基硬质合金堆焊而成，硬度高、耐磨、耐高温、耐腐蚀、抗擦伤性能好、寿命长。

5、内装式的销轴结构，减少外漏，使用可靠。

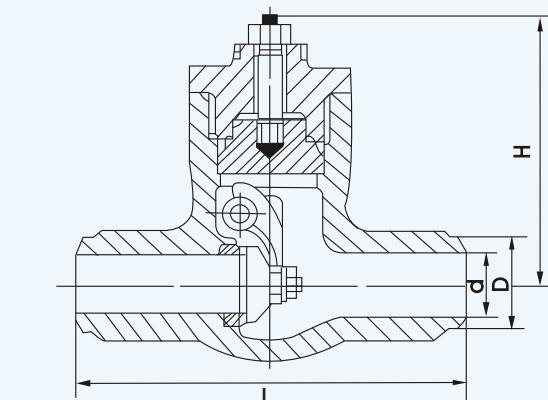
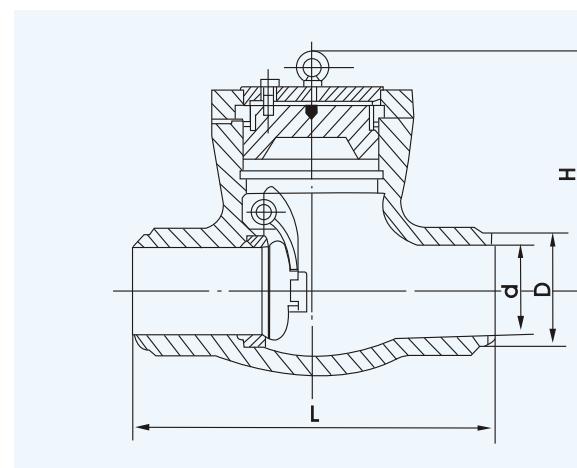
Structural characteristics

1、Design and manufacture standards are according to ANSI B16.34 and E101. It can be matched with the use of imported equipment.

2、Central chamber of valve adopts self-tight sealing structure, the higher the pressure of inside chamber the better sealing performance of the valve. The connecting method of branch pipe is welding. It can be adopt to different requirements.

3、The two ends of the branch is butt welded, other branch will be produced according to piping requirements.

4、Pressure parts are high-quality heat-resistant alloy steel, High-temperature performance and bearing pressure is high, Anti-abrasion performance is good and has long using life.



◎主要性能规范 Main Performance Specifications

壳体材料 Shell material	1500Lb	2000Lb	2500Lb	3500Lb	适用温度/℃ The application of temperature
	工作压力/Mpa Working pressure				
ASTM A216 WCB	26.0	34.7	43.4	60.7	38
	14.5	19.3	24.1	33.7	427
ASTM A217 WC1	24.4	32.5	40.7	57.0	38
	17.1	22.8	28.5	40.0	454
ASTM A217 WC6	26.4	35.2	43.9	61.5	38
	6.3	8.45	10.6	14.8	552
ASTM A217 WC9	26.4	35.2	43.9	61.5	38
	4.0	5.3	6.6	9.3	593

◎执行标准 Standards

项 目 Item	制造验收 Manufacture and inspection	结构长度 Face to face	阀体焊接坡口 Body groove welding
标 准 Standards	E101和JB/T3595	E101和ANSI B16.10	ANSI B16.25或用户提供尺寸 Size provided by user

● 主要零件材料 Main dimensions and weight

零件名称 Part name	阀体 Body	阀座 Seat	阀瓣、摇杆 Disc Stem	阀盖 Bonnet	销轴 Pin	密封环 Ring		
材料 Material	WCB	25	WCB	25	1Cr17Ni2	软钢、成型石墨环 Mild steel, forming graphite ring		
	WC1	15CrMoA	WC1	15CrMoA				
	WC6	12Cr1MoV	WC6	12Cr1MoV				
	WC9		WC9					

● 主要尺寸及重量 Main dimensions and weight

型 号 Model	公称通径DN/Nominal diameter		尺 寸(mm) Size			重 量/kg Weight	
	in	mm	D	d	L	H	
H64Y-1500Lb	2 ¹ / ₂	65	96	56	254	250	35
	3	80	98	64	305	300	45
	4	100	124	84	406	350	80
	5	125	146	100	483	425	115
	6	150	202	126	559	400	180
	8	200	256	158	711	490	270
	10	250	310	200	864	540	430
	12	300	350	250	991	650	630
	14	350	386	280	1067	710	810
	2 ¹ / ₂	65	88	50	330	240	40
H64Y-2000Lb	3	80	102	60	368	305	60
	4	100	124	80	457	315	95
	5	125	168	88	533	380	110
	6	150	202	118	610	425	160
	8	200	256	148	762	480	330
	10	250	310	180	914	570	540
	12	300	338	222	1041	570	800
	14	350	386	254	1118	680	930
	2 ¹ / ₂	65	88	50	330	240	40
	3	80	106	56	368	270	70
H64Y-2500Lb	4	100	130	75	457	385	110
	5	125	154	86	533	410	130
	6	150	200	104	610	455	180
	8	200	250	136	762	555	380
	10	250	310	162	914	615	730
	12	300	338	210	1041	715	1120
	14	350	386	234	1118	790	1495
	16	400	436	264	1245	815	1950
	18	450	490	304	1397	815	2400

注：以上数据仅供参考，用户定货时请提供连接管尺寸。

Note : The above figures are just for reference, please provide with joint size in the order.

【用途】

DS系列水封式阀门适用于公称压力≤10.0Mpa,工作温度≤425°C (碳钢型), ≤550°C (合金钢型), 工作介质为水、蒸汽或空气的管路上, 作为开闭装置。尤其适用于火电厂汽机真空、冷凝系统。

【结构特点】

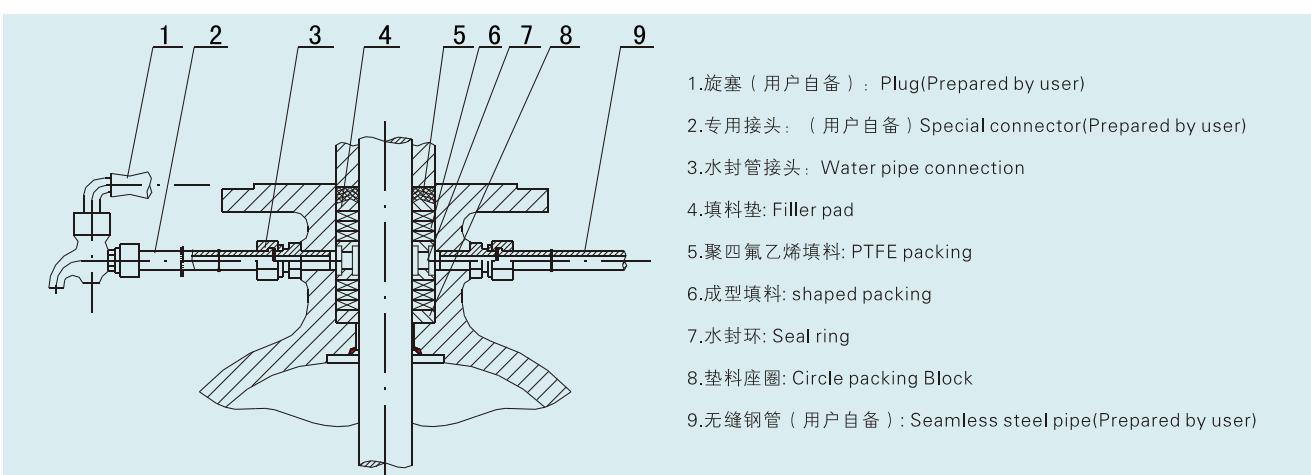
- 1、阀盖填料室带有水封结构(见附图)，当接口通入压力为0.6~1.0Mpa的水时，可使系统与大气隔离，具有良好气密性。
- 2、水封式闸阀DS/Z系列闸板采用平行式双闸板结构或楔式单闸板结构，密封可靠，开闭轻便，检修方便。
- 3、水封式截止阀DS/J系列阀门具有结构紧凑，密封面不易磨损，密封性能好，启闭时间短等特点。
- 4、产品采用倒密封结构，可在不停机工况下进行维修和更换密封填料。
- 5、阀门连接方式有法兰和焊接两种，驱动方式有手动、电动。

Usage

It is widely used in pipelines which the media are water、steam and air and the nominal pressure is≤10.0Mpa, the working temperature is≤425°C(Carbon steel type) and ≤550°C(Alloy Steel), and it is widely used in vacuum and refrigeration systems.

Structural characteristics

- 1、Fill valve cover is waterproof(Please see the picture), when the interface accept the water which the pressure is 0.6~1.0Mpa, the system and the air will be separated and the sealing is in good condition.
- 2、Wedge of DS/Z series is double parallel plate or single-wedge gate, the sealing is reliable and it is convenient to open and close and inspection.
- 3、Wedge of DS/J series has compact structure and the sealing surface is not to wear, the time of opening and closing is short.
- 4、The structure was sealed and sealing packing can change freely without stop the work.



【安装和使用】

1. 本系列阀门只作全开或全关使用，不准用来调节流量。
2. 本系列阀门可安装在水平或垂直管路上。
3. 安装前应将阀门清理干净。
4. 安装时务必使水封环与水封接头通道对齐。为安装填料方便，允许用石墨石棉填料替代增强聚四氟乙烯填料及填料垫。
5. 安装电动阀门时，应检查和调整下限位螺钉及电动装置的行程控制和扭矩控制器。
6. 手动启闭阀门时，顺时针为关闭，逆时针为开启。
7. 阀门应用手轮或电动装置操作，不准借助其他杠杆。
8. 使用时，应经常在转动部分注油，阀杆梯形螺纹部分涂润滑脂。
- 9、本系列阀门在出厂前严格按照JB/T9092-99、GB/T13927-92标准逐台试验合格，安装单位不需要解体，可直接安装使用。

Installation and usage

- 1、This series of valve are only use to open or close , not to regulate the media.
- 2、It is installed in horizontal or vertical pipeline.
- 3、Clean the valve before the installation.
- 4、Make sure that ring seal head and seal are in the same direction. In order to install the packing conveniently, it is allowed to use graphite asbestos packing instead of the PTFE.
- 5、When install the electrical valve, check and regulate PLD and the torque of the electrical actuator.
- 6、Rotate the valve clockwise is to close the valve and counterclockwise is to open the valve.
- 7、The valve operated by handwheel or electric.
- 8、Rotating part should be in careful keep and inject the oil, part of stem trapezoidal thread inject the lubricating grease
- 9、Inspection standards is JB/T 9092-99、GB/T 13927-92 and all the valves should be tested before ex-factory, the valve can be installed

◎ 主要性能规范 Main Performance Specifications

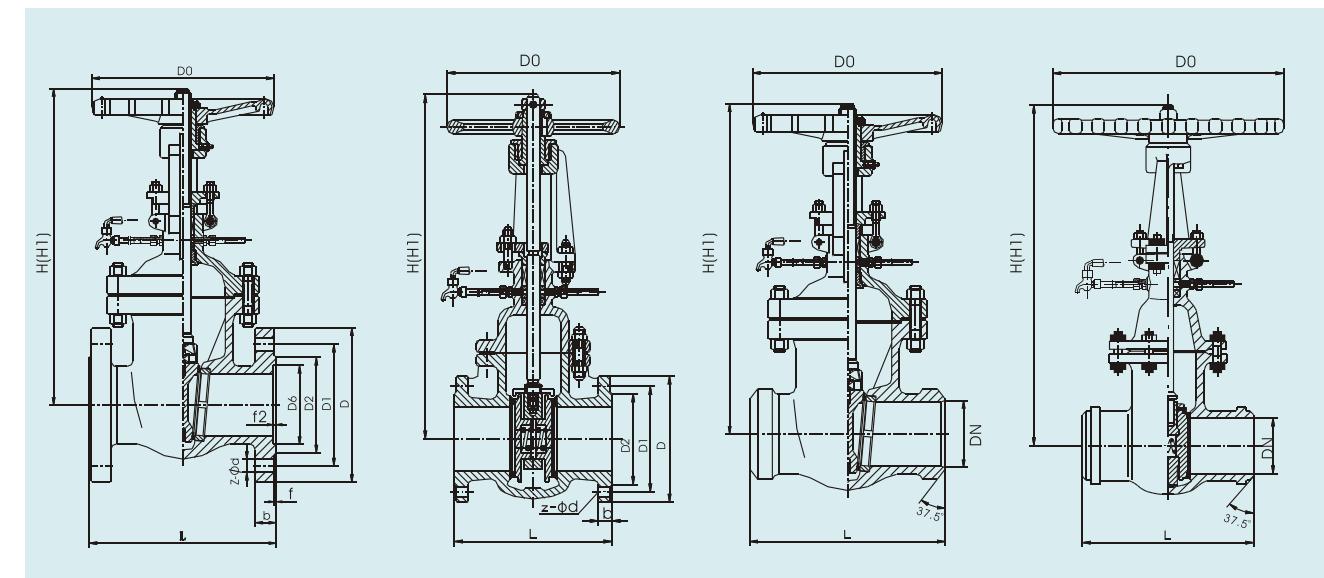
试验压力 Test pressure	公称压力 (Mpa) Nominal pressure					
	1.0	1.6	2.5	4.0	6.4	10.0
壳体强度试验 Shell strength test	1.5	2.4	3.8	6.0	9.6	15.0
密封试验 Seal Test:	1.1	1.8	2.8	4.4	7.0	11.0
上密封试验 Back seal test	1.1	1.8	2.8	4.4	7.0	11.0
气密封试验 Gas Seal Test	0.5~0.7					

◎ 使用范围 Scope of application

产品类别 Product Category	适用温度(℃) The application of temperature	适用介质 Media
碳钢型 Carbon steel type	≤425	水、蒸汽、油品、 Water、steam and oil 非腐蚀性气体 Non-corrosive gases
合金钢 Alloy Steel	≤550	

◎ 主要性能规范

产品类型 Product Category	零件名称 Part name					
	阀体、阀盖、支架 Body、bonnet and stent	阀杆 Stem	阀座密封面 Seat sealing surface	阀杆螺母 Stem nut	填料 Packing	
碳钢型 (C) Carbon steel type	WCB 25	1Cr13 或2Cr13	不锈钢 Stainless steel	铝青铜 Aluminum Bronze	柔性石墨 Flexible Graphite	
合金钢 (I) Alloy Steel	20Cr2MoV Cr5Mo	25Cr2Mo 1V	硬质合金 Hard alloy			



DS/Z⁴¹₄₄H(Y)-10C、16C、25、40、64、100

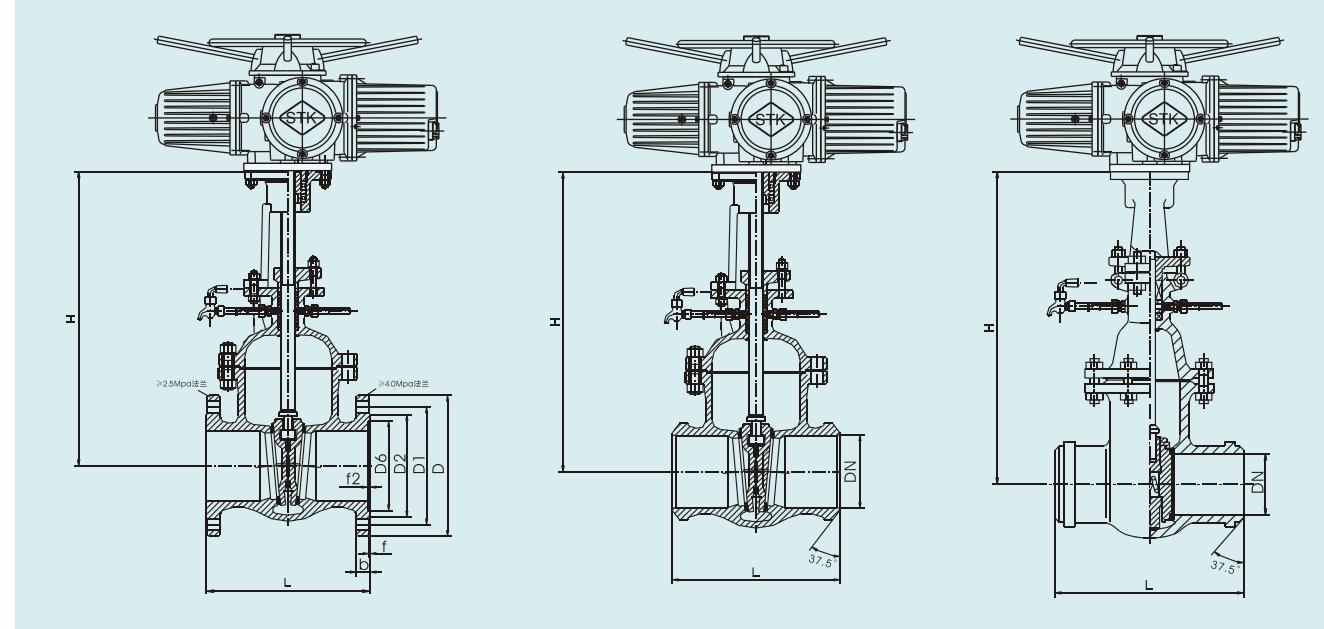
DS/Z⁶¹₆₄H(Y)-10C、16C、25、40、64、100

JB/T 79.1

公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions										阀门重量 (Kg) Valve Weight	
		(mm)											
DN(mm)	PN(Mpa)	L	D	D1	D2	b	f	z-d	H	H1	D0	RF	BW
50	1.0	250	160	125	100	16	3	4-18	398	458	250	28	24
65		270	180	145	120	18	3	4-18	438	514	250	40	35
80		280	195	160	135	20	3	4-18	456	539	300	55	50
100		300	215	180	155	20	3	8-18	514	614	300	72	65
125		325	245	210	185	22	3	8-18	600	730	350	106	92
150		350	280	240	210	24	3	8-23	680	825	350	146	128
200		400	335	295	265	26	3	8-23	800	1000	400	220	200
250		450	390	350	320	30	3	12-23	840	1080	400	315	280
300		500	440	400	368	30	4	12-23	990	1265	450	395	360
350		550	500	460	428	34	4	16-23	1135	1470	550	530	490
400		600	565	515	482	36	4	16-25	11410	1815	550	690	640

公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions										阀门重量(Kg) Valve Weight			
		(mm)													
DN(mm)	PN(Mpa)	L	D	D1	D2	b	f	z-d	H	H1	D0	RF	BW		
50	1.6	250	160	125	100	16	3	4-18	398	458	250	28	24		
65		270	180	145	120	18	3	4-18	438	514	250	40	35		
80		280	195	160	135	20	3	8-18	456	539	300	55	50		
100		300	215	180	155	20	3	8-18	514	614	300	75	66		
125		325	245	210	185	22	3	8-18	600	750	350	110	96		
150		350	280	240	210	24	3	8-23	680	825	350	150	133		
200		400	335	295	265	26	3	12-23	800	1000	400	223	203		
250		450	405	355	320	30	3	12-25	840	1080	450	325	295		
300		500	460	410	375	30	4	12-25	990	1280	450	430	395		
350		550	520	470	435	34	4	16-25	1135	1470	600	570	510		
400		600	580	525	485	36	4	16-30	1410	1815	650	740	665		
50	2.5	250	160	125	100	20	3	4-18	400	460	250	30	25		
65		270	180	145	120	22	3	8-18	440	515	250	43	37		
80		280	195	160	135	22	3	8-18	460	540	300	60	52		
100		300	230	190	160	24	3	8-23	516	615	300	79	67		
125		325	270	220	188	28	3	8-25	600	730	350	115	98		
150		350	300	250	218	30	3	8-25	680	825	350	155	135		
200		400	360	310	278	34	3	12-25	800	1000	400	240	215		
250		450	425	370	332	36	3	12-30	840	1080	450	345	305		
300		500	485	430	390	40	4	16-34	990	1280	550	455	400		
350		550	550	490	448	44	4	16-34	1135	1470	650	615	525		
400		600	610	550	505	48	4	16-34	1410	1815	700	790	670		
JB/T 79.2															
公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions										阀门重量(Kg) Valve Weight			
		(mm)													
DN(mm)	PN(Mpa)	L	D	D1	D2	D6	b	f2	f	z-d	H	H1	D0	RF	BW
50	4.0	250	160	125	100	88	20	4	3	4-18	400	460	300	30	25
65		280	180	145	120	110	22	4	3	8-18	440	516	300	45	40
80		310	195	160	135	121	22	4	3	8-18	485	572	350	55	50
100		350	230	190	160	150	24	4.5	3	8-23	574	688	350	75	70
125		400	270	220	188	176	28	4.5	3	8-25	670	802	400	105	95
150		450	300	250	218	204	30	4.5	3	8-25	750	917	400	135	
200		550	375	320	282	260	38	4.5	3	12-30	891	1110	450	235	210
250		650	445	385	345	313	42	4.5	3	12-34	1040	1335	550	340	310
300		750	510	450	408	364	46	4.5	4	16-34	1050	1330	650	495	435
350		850	570	510	465	422	52	5	4	16-34	1170	1485	750	650	580
400		950	655	585	535	474	58	5	4	16-41	1463	1876	850	800	740

公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions												阀门重量(Kg) Valve Weight	
		(mm)													
DN(mm)	PN(Mpa)	L	D	D1	D2	D6	b	f2	f	z-d	H	H1	D0	RF	BW
50	6.4	250	175	135	105	88	26	4	3	4-23	400	460	300	40	35
65		280	200	160	130	110	28	4	3	8-23	440	516	300	60	50
80		310	210	170	140	121	30	4	3	8-23	485	572	350	75	63
100		350	250	200	168	150	32	4.5	3	8-25	574	688	400	100	78
125		400	295	240	202	176	36	4.5	3	8-30	663	802	400	140	110
150		450	340	280	240	204	38	4.5	3	8-34	750	917	450	205	160
200		550	405	345	300	260	44	4.5	3	12-34	891	1110	550	315	255
250		650	470	400	352	313	48	4.5	3	12-41	1057	1331	650	475	390
300		750	530	460	412	364	54	4.5	4	16-41	1105	1385	750	630	535
50	10.0	250	195	145	112	88	28	4	3	4-25	400	460	300	48	38
65		280	220	170	138	110	32	4	3	8-25	440	516	300	68	54
80		310	230	180	148	121	34	4	3	8-25	485	572	350	90	75
100		350	265	210	172										



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DS/Z961H (Y) -10C、16C、25、40、64、100
64

JB/T 79.1

公称口径 Nominal diameter	公称压力 Nominal pressure	外 形 尺 寸 Outside dimensions							电装型号 Code of electric actuator	阀门重量(Kg) Valve Weight	
		(mm)									
DN(mm)	PN(Mpa)	L	D	D1	D2	b	f	Z-d	H	RF	BW
50	1.0	250	160	125	100	16	3	4-18	365	DZW10	86 82
65		270	180	145	120	18	3	4-18	405	DZW10	98 93
80		280	195	160	135	20	3	4-18	425	DZW10	112 107
100		300	215	180	155	20	3	8-18	480	DZW15	133 124
125		325	245	210	185	22	3	8-18	570	DZW15	170 156
150		350	280	240	210	24	3	8-23	650	DZW20I	210 193
200		400	335	295	265	26	3	12-23	770	DZW30	280 260
250		450	405	355	320	30	3	12-25	810	DZW30	380 350
300		500	460	410	375	30	4	12-25	955	DZW45	525 490
350		550	520	470	435	34	4	16-25	1085	DZW60	665 605
400		600	580	525	485	36	4	16-30	1375	DZW90	860 785
450		650	640	585	545	40	4	20-30	1470	DZW90	1060 965
500		700	705	650	608	44	4	20-34	1475	DZW120	1310 1185
600		800	840	770	718	48	5	20-41	1810	DZW180	1655 1495
700		900	910	840	788	50	5	24-41	1985	DZW250	2430 2150
800		1000	1020	950	898	52	5	24-41	2345	DZW350	2860 2620
900		1100	1120	1050	998	54	5	28-48	2690	DZW350	
1000		1200	1255	1170	1110	56	5	28-42	2780	DZW500	

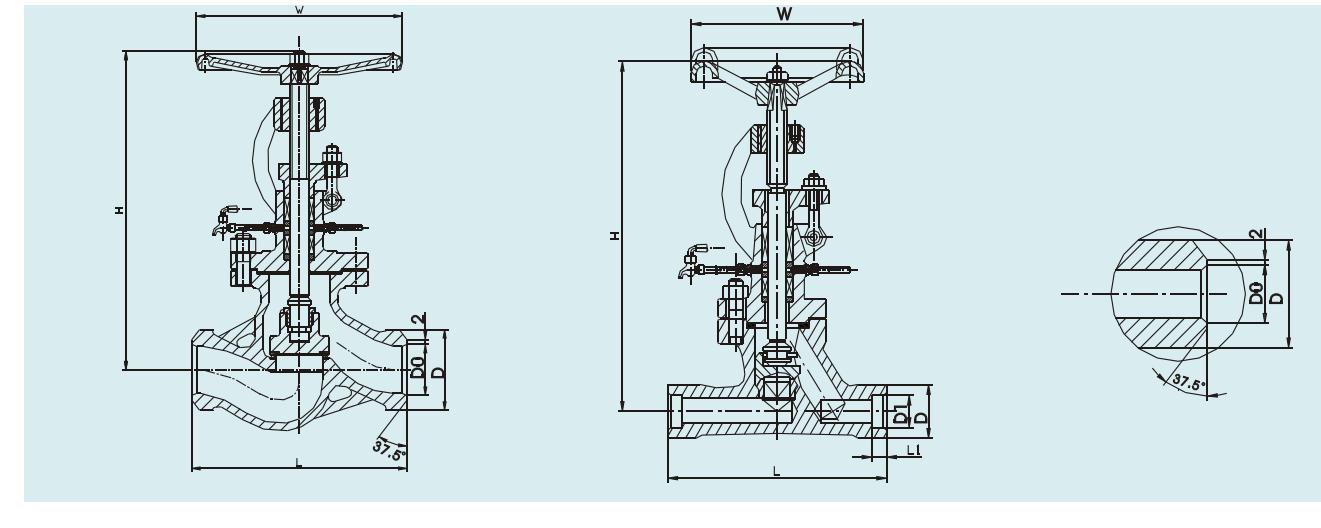
公称口径 Nominal diameter	公称压力 Nominal pressure	外 形 尺 寸 Outside dimensions (mm)								电装型号 Code of electric actuator	阀门重量(Kg) Valve Weight
		L	D	D1	D2	b	f	Z-d	H		
50	1.6	250	160	125	100	16	3	4-18	365	DZW10	86 82
65		270	180	145	120	18	3	4-18	405	DZW10	98 93
80		280	195	160	135	20	3	8-18	425	DZW10	112 107
100		300	215	180	155	20	3	8-18	480	DZW15	133 124
125		325	245	210	185	22	3	8-18	570	DZW15	170 156
150		350	280	240	210	24	3	8-23	650	DZW20I	210 193
200		400	335	295	265	26	3	12-23	770	DZW30	280 260
250		450	405	355	320	30	3	12-25	810	DZW30	380 350
300		500	460	410	375	30	4	12-25	955	DZW45	525 490
350		550	520	470	435	34	4	16-25	1085	DZW60	665 605
400		600	580	525	485	36	4	16-30	1375	DZW90	860 785
450		650	640	585	545	40	4	20-30	1470	DZW90	1060 965
500		700	705	650	608	44	4	20-34	1475	DZW120	1310 1185
600		800	840	770	718	48	5	20-41	1810	DZW180	1655 1495
700		900	910	840	788	50	5	24-41	1985	DZW250	2430 2150
800		1000	1020	950	898	52	5	24-41	2345	DZW350	2860 2620
900		1100	1120	1050	998	54	5	28-48	2690	DZW350	
1000		1200	1255	1170	1110	56	5	28-42	2780	DZW500	
50	2.5	250	160	125	100	20	3	4-18	367	DZW10	88 83
65		270	180	145	120	22	3	8-18	408	DZW10	100 94
80		280	195	160	135	22	3	8-18	426	DZW10	117 109
100		300	230	190	160	24	3	8-23	482	DZW15	138 126
125		325	270	220	188	28	3	8-25	570	DZW15	180 163
150		350	300	250	218	30	3	8-25	650	DZW20I	220 200
200		400	360	310	278	34	3	12-25	770	DZW30	300 275
250		450	425	370	332	36	3	12-30	810	DZW30	400 360
300		500	485	430	390	40	4	16-30	960	DZW45	550 485
350		550	550	490	448	44	4	16-34	1085	DZW60	710 620
400		600	610	550	505	48	4	16-34	1375	DZW90	910 790
450		650	660	600	555	50	4	20-34	1470	DZW120	1090 945
500		700	730	660	610	52	4	20-41	1575	DZW120	1365 1205
600		800	840	770	718	56	5	20-41	1820	DZW180	1725 1525
700		900	955	875	815	60	5	24-48	1985	DZW250	2585 2330
800		1000	1070	990	930	64	5	24-48	2340	DZW350	3075 2725

水封闸阀
 Water sealed gate valve

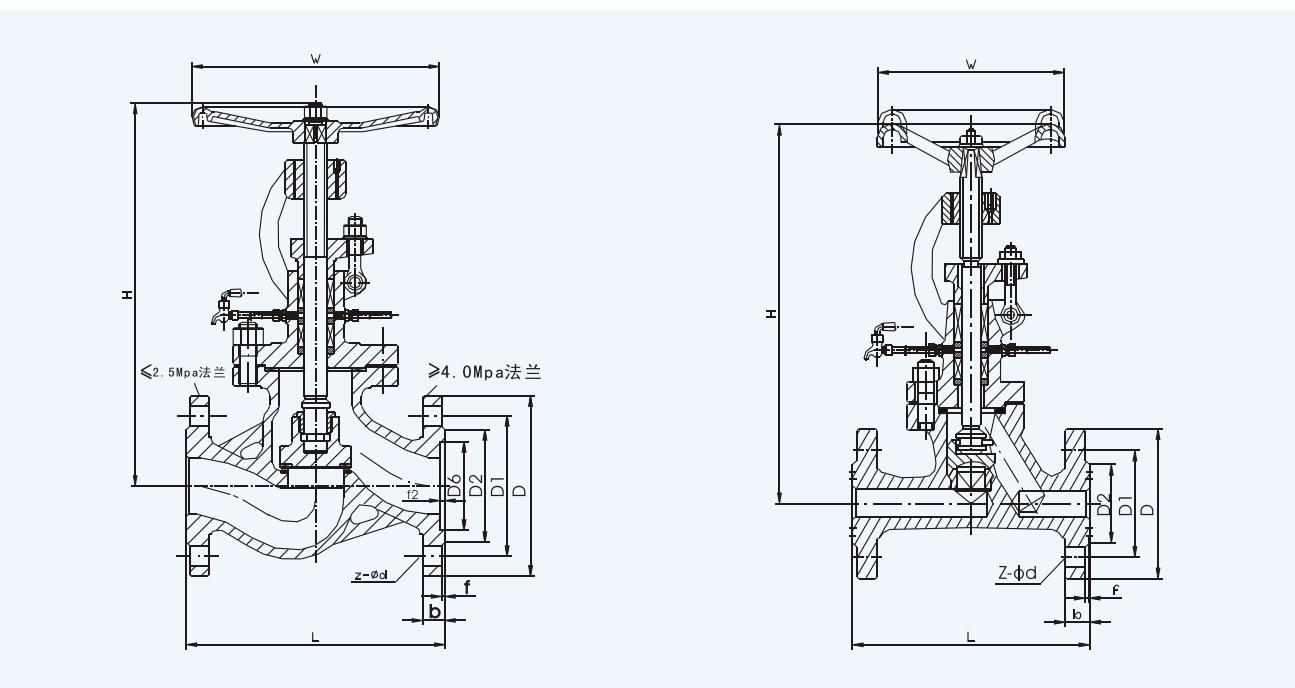
公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions										电装型号 Code of electric actuator	阀门重量(Kg) Valve Weight	
		(mm)												
DN(mm)	PN(Mpa)	L	D	D1	D2	D6	b	f2	f	Z-d	H	RF	BW	
50	4.0	250	160	125	100	88	20	4	3	4-18	370	DZW10	92	87
65		280	180	145	120	110	22	4	3	8-18	410	DZW10	105	98
80		310	195	160	135	121	22	4	3	8-18	450	DZW15	123	115
100		350	230	190	160	150	24	4.5	3	8-23	540	DZW20I	143	135
125		400	270	220	188	176	28	4.5	3	8-25	640	DZW20I	181	166
150		450	300	250	218	204	30	4.5	3	8-25	715	DZW30	225	205
200		550	375	320	282	260	38	4.5	3	12-30	852	DZW30	328	283
250		650	445	385	345	313	42	4.5	3	12-34	1014	DZW45	488	443
300		750	510	450	408	364	46	4.5	4	16-34	1165	DZW60	607	527
350		850	50	510	465	422	52	5	4	16-34	1235	DZW90I	790	690
400		950	655	585	535	474	58	5	4	16-41	1420	DZW120	1008	848

公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions										电装型号 Code of electric actuator	阀门重量(Kg) Valve Weight	
		(mm)												
DN(mm)	PN(Mpa)	L	D	D1	D2	D6	b	f2	f	Z-d	H	RF	BW	
50	10.0	250	175	135	105	88	26	4	3	4-23	372	DZW15	99	94
65		280	200	160	130	110	28	4	3	8-23	413	DZW15	118	108
80		310	210	170	140	121	30	4	3	8-23	455	DZW20I	133	121
100		350	250	200	168	150	32	4.5	3	8-25	544	DZW20I	156	134
125		400	295	240	202	176	36	4.5	3	8-30	630	DZW30	193	163
150		450	340	280	240	204	38	4.5	3	8-34	715	DZW45	298	253
200		550	405	345	300	260	44	4.5	3	12-34	855	DZW60	410	350
250		650	470	400	352	313	48	4.5	3	12-41	1015	DZW90I	594	509
300		750	530	460	412	364	54	4.5	4	16-41	1165	DZW90I	745	650
350		850	59	525	475	422	60	5	4	16-41	1235	DZW120I	960	800
400		950	670	585	525	474	66	5	4	16-48	1420	DZW180	1320	1125
50		250	195	145	112	88	28	4	3	4-25	372	DZW15	106	96
65		280	220	170	138	110	32	4	3	8-25	413	DZW20I	125	111
80		310	230	180	148	121	34	4	3	8-25	455	DZW20I	146	131
100		350	265	210	172	150	38	4.5	3	8-30	544	DZW30II	165	150
125		400	310	250	210	176	42	4.5	3	8-34	630	DZW30	208	168
150		450	350	290	250	204	46	4.5	3	12-34	715	DZW45	313	263
200		550	430	360	312	260	54	4.5	3	12-41	855	DZW60	442	362
250		650	500	430	382	313	60	4.5	3	12-41	1015	DZW90I	645	519
300		750	585	500	442	364	70	4.5	4	16-48	1165	DZW120I	838	658
350		850	655	560	498	422	76	5	4	16-54	1235	DZW180	1209	940
400		950	715	620	558	474	80	5	4	16-54	1420	DZW250	1470	1130

水封闸阀
 Water sealed gate valve



公称通径 Nominal diameter	主要外形尺寸及连接尺寸 The main dimensions and connecting dimensions								重量(kg) Weight
	L	D	D1	D0	DS/J61H-16C	DS/J61H-25C	DS/J61Y-25I		
10	130	36	15	10	37°	37°	37°	255	120
15	130	36	19	15	37°	37°	37°	257	120
20	150	44	26	20	37°	37°	37°	267	140
25	160	44	33	24	37°	37°	37°	269	140
32	180	48	34	32	37°	37°	37°	255	180
40	200	55	40	38	37°	37°	37°	295	200
50	230	64	50	46	37°	37°	37°	354	250
65	290	82	65	62	37°	37°	37°	400	250
80	310	94	78	74	37°	37°	37°	425	300
100	350	117	97	95	37°	37°	37°	468	350
125	400	144	122	120	37°	37°	37°	475	400
150	480	170	148	145	37°	37°	37°	611	400
200	600	220	197	193	37°	37°	37°	721	400
					DS/J61H-40C	DS/J61Y-40I	</		



型号 Model Type	公称通径 DN(mm) Nominal diameter	尺寸(mm) Size								重量(kg) Weight		
		L	D	D1	D2	b	Z-d	D6	f2	H		
DS/J41H-25	10	130	90	60	40	16	4-14			272	120	6
	15	130	95	65	45	16	4-14			272	120	6
	20	150	105	75	55	16	4-14			280	120	6
	25	160	115	85	65	16	4-14			332	160	10
	32	190	135	100	78	18	4-18			342	160	11
	40	200	145	110	85	18	4-18			395	200	17
	50	230	160	125	100	20	4-18			431	240	24
	65	290	180	145	120	22	8-18			457	280	33
	80	310	195	160	135	22	8-18			505	320	47
	100	350	230	190	160	24	8-23			549	360	62
DS/J41Y-25I	125	400	270	220	188	28	8-25			621	400	96
	150	480	300	250	218	30	8-25			703	400	128
	200	600	360	310	278	34	12-25			828	400	168
	10	130	90	60	40	16	4-14	35	4	272	120	6
	15	130	95	65	45	16	4-14	40	4	272	120	7
	20	150	105	75	55	16	4-14	51	4	280	120	8
	25	160	115	85	65	16	4-14	58	4	332	160	10
	32	190	135	100	78	18	4-18	66	4	342	160	11
	40	200	145	110	85	18	4-18	76	4	395	200	17
	50	230	160	125	100	20	4-18	88	4	437	246	25
DS/J41H-40	65	290	180	145	120	22	8-18	110	4	457	280	34
	80	310	195	160	135	22	8-18	121	4	505	320	47
	100	350	230	190	160	24	8-23	150	4.5	549	360	62
	125	400	270	220	188	28	8-25	176	4.5	621	400	96
	150	480	300	250	218	30	8-25	204	4.5	705	400	128
	200	600	375	320	282	34	12-25	260	4.5	705	400	168
	10	130	90	60	40	16	4-14	35	4	272	120	6
	15	130	95	65	45	16	4-14	40	4	272	120	7
	20	150	105	75	55	16	4-14	51	4	280	120	8
	25	160	115	85	65	16	4-14	58	4	332	160	10
DS/J41Y-40I	32	190	135	100	78	18	4-18	66	4	342	160	11
	40	200	145	110	85	18	4-18	76	4	395	200	17
	50	230	160	125	100	20	4-18	88	4	437	246	25
	65	290	180	145	120	22	8-18	110	4	457	280	34
	80	310	195	160	135	22	8-18	121	4	505	320	47
	100	350	230	190	160	24	8-23	150	4.5	549	360	62
	125	400	270	220	188	28	8-25	176	4.5	621	400	96
	150	480	300	250	218	30	8-25	204	4.5	705	400	128
	200	600	375	320	282	34	12-25	260	4.5	705	400	168

用途

NK系列真空隔离阀适用于公称压力≤10.0Mpa, 工作温度≤425℃(碳钢型), ≤550℃(合金钢型), 工作介质为水、蒸汽或空气的管路上, 作为开闭装置。尤其适用于火电厂汽机冷凝和真空负压系统, 起真空隔离密封作用。

结构特点

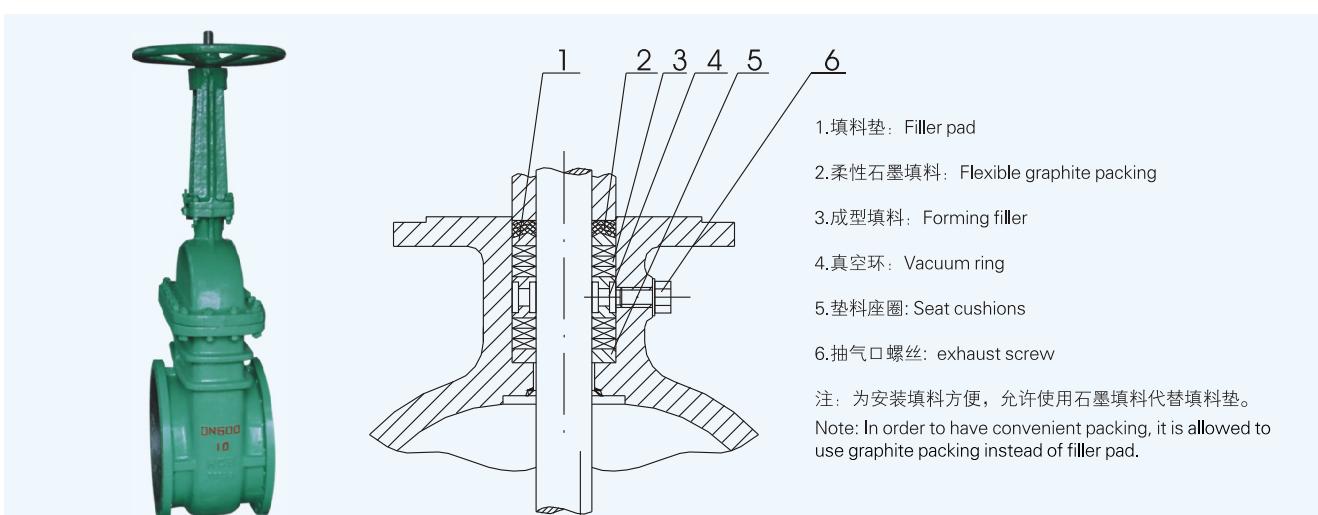
- 1、阀盖填料室带有真空结构(见附图), 当真空泵经抽气口抽至规定的真空度, 便使系统与大气隔离, 适用于火电厂汽机冷凝和真空负压系统, 起真空隔离密封作用。
- 2、真空隔离闸板阀闸板采用平行式双闸板结构或楔式单闸板结构, 密封可靠, 开闭轻便, 检修方便。
- 3、NK系列真空隔离阀性能试验按JB/T6446《真空阀门技术条件》标准进行, 检测真空隔离阀的漏汽速率和通导能力。
- 4、NK系列真空隔离阀连接形式有法兰、焊接两种, 驱动方式有手动和电动。

Usage

NK Series Vacuum isolation valve is widely used in pipeline which the media is water、steam and air etc, the nominal pressure is ≤10.0Mpa, and the working temperature is ≤425°C(Carbon steel type) ≤550°C(Alloy Steel type). It is used in condensing steam turbine power plant and vacuum system.

Structural characteristics

- 1、Bonnet packing with vacuum structure(Please see the picture), when the air in vacuum pump has been pumpdown to the set vacuum, the system will be separated from the air.
- 2、Wedge of vacuum isolation series is double parallel plate or single-wedge gate, the sealing is reliable and it is convenient to open and close and inspection.
- 3、Inspection standard is JB/T 6446 《Technology of vacuum valve》.



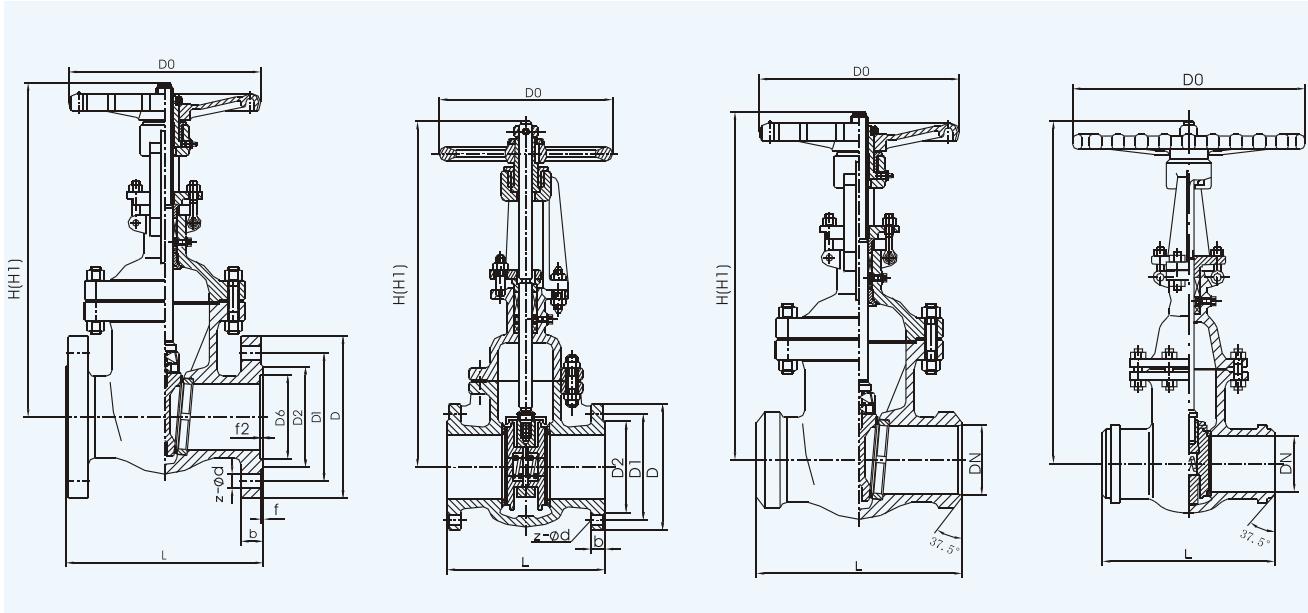
主要性能规范 Main Performance Specifications:

使用范围 Usage

试验压力(Mpa) Test pressure	公称压力(Mpa) Nominal pressure					
	1.0	1.6	2.5	4.0	6.4	10.0
壳体强度试验 Shell strength test	1.5	2.4	3.8	6.0	9.6	15.0
密封试验 Seal test	1.1	1.8	2.8	4.4	7.0	11.0
上密封试验 Back seal test	1.1	1.8	2.8	4.4	7.0	11.0
气密封试验 Gas Seal Test	0.5~0.7					

主要零件材料

产品类型 Product Type	零件名称 Part name				
	阀体、阀盖、支架 Body, bonnet and stent	阀杆 Stem	阀座密封面 Seat sealing surface	阀杆螺母 Stem nut	填料Packing
碳钢型(C) Carbon steel type	WCB 25	1Cr13或2Cr13	不锈钢 Stainless steel		铝青铜 Aluminum Bronze
合金钢(I) Alloy steel type	WC6 Cr5Mo	25Cr2Mo 1V	硬质合金 Hard alloy		柔性石墨 Flexible Graphite



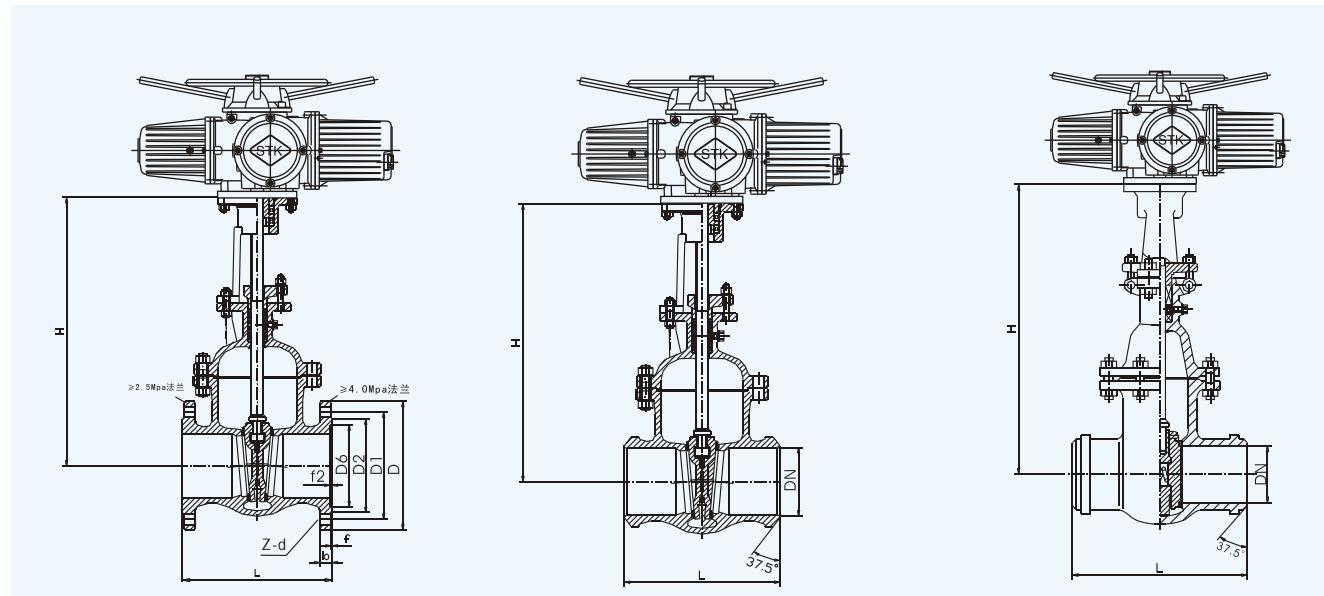
NKZ₄₄⁴¹H(Y)-10C、16C、25、40、64、100

NKZ₆₄⁶¹H(Y)-10C、16C、25、40、64、100

公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)								阀门重量 (kg) Valve Weight			
		L	D	D1	D2	b	f	Z-d	H	H1	Do	RF	BW
1.0	50	250	160	125	100	16	3	4-18	398	458	250	28	24
	65	270	180	145	120	18	3	4-18	438	514	250	40	35
	80	280	195	160	135	18	3	4-18	456	539	300	55	50
	100	300	215	180	155	20	3	8-18	514	614	300	75	66
	125	325	245	210	185	22	3	8-18	600	750	350	110	96
	150	350	280	240	210	24	3	8-23	680	825	350	150	133
	20	400	335	295	265	26	3	12-23	800	1000	400	223	203
	250	450	405	355	320	30	3	12-25	840	1080	450	325	295
	300	500	460	410	375	30	4	12-25	990	1280	450	430	395
	350	550	520	470	435	34	4	16-25	1135	1470	600	570	510
	400	600	580	525	485	36	4	16-30	1410	1815	650	740	665
	50	250	160	125	100	20	3	4-18	400	460	250	30	25
	65	270	180	145	120	22	3	8-18	440	515	250	43	37
	80	280	195	160	135	22	3	8-18	460	540	300	60	52
	100	300	230	190	160	24	3	8-23	516	615	300	79	67
	125	325	270	220	188	28	3	8-25	600	730	350	115	98
	150	350	300	250	218	30	3	8-25	680	825	350	155	135
	200	400	360	310	278	34	3	12-25	800	1000	400	240	215
	250	450	425	370	332	36	3	12-30	840	1080	450	345	305
	300	500	485	430	390	40	4	16-30	990	1280	550	455	400
	350	550	550	490	448	44	4	16-34	1135	1470	650	615	525
	400	600	610	550	505	48	4	16-34	1410	1815	700	790	670

公称通径 Nominal diameter	公称压力 Nominal pressure	外 形 尺 寸 Outside dimensions (mm)										重量(kg) Weight	
		L	D	D1	D2	b	f	f2	z-d	H	H1	D0	RF
1.6	50	250	160	125	100	16	3	4-18	398	458	250	28	24
	65	270	180	145	120	18	3	4-18	438	514	250	40	35
	80	280	195	160	135	20	3	8-18	456	539	300	55	50
	100	300	215	180	155	20	3	8-18	514	614	300	75	66
	125	325	245	210	185	22	3	8-18	600	750	350	110	96
	150	350	280	240	210	24	3	8-23	680	825	350	150	133
	20	400	335	295	265	26	3	12-23	800	1000	400	223	203
	250	450	405	355	320	30	3	12-25	840	1080	450	325	295
	300	500	460	410	375	30	4	12-25	990	1280	450	430	395
	350	550	520	470	435	34	4	16-25	1135	1470	600	570	510
	400	600	580	525	485	36	4	16-30	1410	1815	650	740	665
	50	250	160	125	100	20	3	4-18	400	460	250	30	25
	65	270	180	145	120	22	3	8-18	440	515	250	43	37
	80	280	195	160	135	22	3	8-18	460	540	300	60	52
	100	300	230	190	160	24	3	8-23	516	615	300	79	67
	125	325	270	220	188	28	3	8-25	600	730	350	115	98
	150	350	300	250	218	30	3	8-25	680	825	350	155	135
	200	400	360	310	278	34	3	12-25	800	1000	400	240	215
	250	450	425	370	332	36	3	12-30	840	1080	450	345	305
	300	500	485	430	390	40	4	16-30	990	1280	550	455	400
	350	550	550	490	448	44	4	16-34	1135	1470	650	615	525
	400	600	610	550	505	48	4	16-34	1410	1815	700	790	670

公称通径 Nominal diameter	公称压力 Nominal pressure	外 形 尺 寸 Outside dimensions (mm)										重量(kg) Weight			
		L	D	D1	D2	b	f	f2	z-d	H	H1	D0	RF	BW	
4.0	50	250	160	125	100	88	20	4	3	4-18	400	460	300	30	25
	65	280	180	145	120	110	22	4	3	8-18	440	516	300	45	40
	80	310	19												



NKZ9₄₁H(Y)-10C、16C、25、40、64、100
64

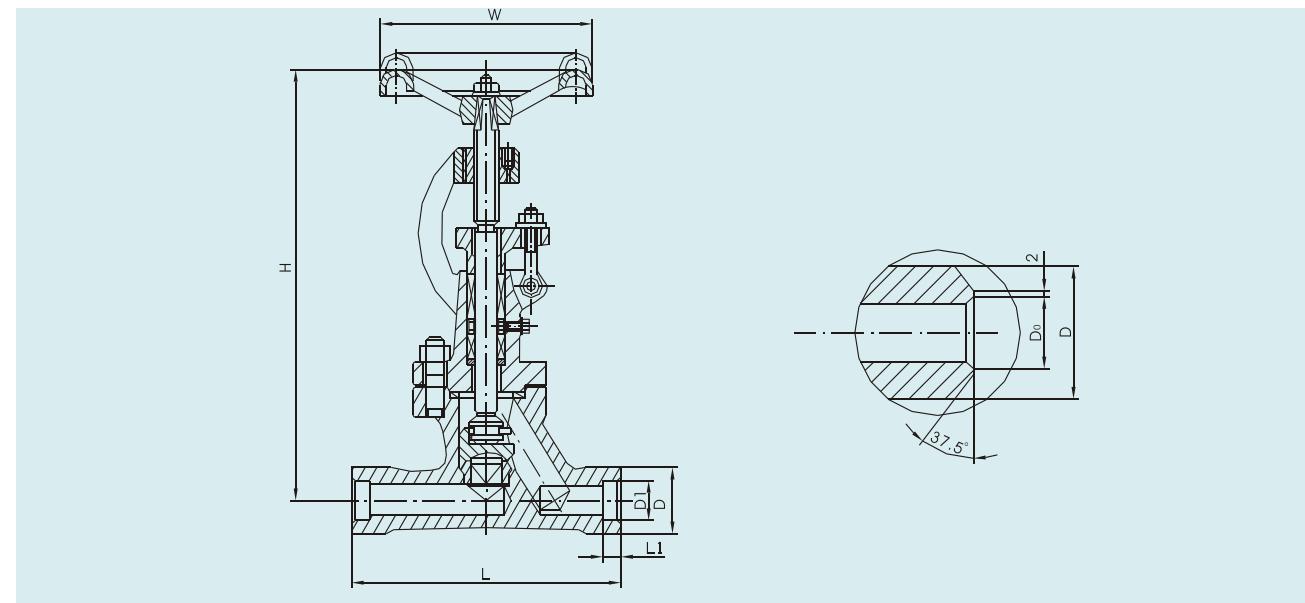
公称通径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)							电装型号 Model of electrical actuator	阀门重量(kg) Valve Weight	
		L	D	D1	D2	b	f	Z-d			
DN(mm)	PN(Mpa)								RF	BW	
50	1.0	250	160	125	100	16	3	4-18	365	DZW10	86 82
65		270	180	145	120	18	3	4-18	405	DZW10	98 93
80		280	195	160	135	18	3	4-18	425	DZW10	112 107
100		300	215	180	155	20	3	8-18	480	DZW15	133 124
125		325	245	210	185	22	3	8-18	570	DZW15	170 156
150		350	280	240	210	24	3	8-23	650	DZW20I	210 193
200		400	335	295	265	26	3	12-23	770	DZW30	280 260
250		450	405	355	320	30	3	12-25	810	DZW30	380 350
300		500	460	410	375	30	4	12-25	955	DZW45	525 490
350		550	520	470	435	34	4	16-25	1085	DZW60	665 605
400		600	580	525	485	36	4	16-30	1375	DZW90	860 785
450		650	640	585	545	40	4	20-30	1470	DZW90	1060 965
500		700	705	650	608	44	4	20-34	1575	DZW120	1310 1185
600		800	840	770	718	48	5	20-41	1810	DZW180	1655 1495
700		900	910	840	788	50	5	24-41	1985	DZW250	2430 2150
800		1000	1020	950	898	52	5	24-41	2345	DZW350	2860 2620
900		1100	1120	1050	998	54	5	28-41	2690	DZW350	
1000		1200	1255	1170	1110	56	5	28-48	2780	DZW500	

公称通径 Nominal diameter	公称压力 Nominal pressure	外 形 尺 寸 Outside dimensions (mm)								电装型号 Model of electrical actuator	重量(kg) Weight
		L	D	D1	D2	b	f	z-d	H		
DN(mm)	PN(Mpa)									RF	BW
50	1.6	250	160	125	100	16	3	4-18	365	DZW10	86 82
60		270	180	145	120	18	3	4-18	405	DZW10	98 93
80		280	195	160	135	20	3	8-18	425	DZW10	112 107
100		300	215	180	155	22	3	8-18	480	DZW15	133 124
125		325	245	210	185	24	3	8-18	570	DZW15	170 156
150		350	280	240	210	26	3	8-23	650	DZW20I	210 193
200		400	335	295	265	26	3	12-23	770	DZW30	280 260
250		450	405	355	320	30	3	12-25	810	DZW30	380 350
300		500	460	410	375	30	4	12-25	955	DZW45	525 490
350		550	520	470	435	34	4	16-25	1085	DZW60	665 605
400		600	580	525	485	36	4	16-30	1375	DZW90	860 785
450		650	640	585	545	40	4	20-30	1470	DZW90	1060 965
500		700	705	650	608	44	4	20-34	1575	DZW120	1310 1185
600		800	840	770	718	48	5	20-41	1810	DZW180	1655 1495
700		900	910	840	788	50	5	24-41	1985	DZW250	2430 2150
800		1000	1020	950	898	52	5	24-41	2345	DZW350	2860 2620
900		1100	1120	1050	998	54	5	28-41	2690	DZW350	
1000		1200	1255	1170	1110	56	5	28-48	2780	DZW500	

公称通径 Nominal diameter	公称压力 Nominal pressure	外 形 尺 寸 Outside dimensions (mm)								电装型号 Model of electrical actuator	重量(kg) Weight
		L	D	D1	D2	b	f	z-d	H		
DN(mm)	PN(Mpa)									RF	BW
50	2.5	250	160	125	100	20	3	4-18	367	DZW10	88 83
65		270	180	145	120	22	3	8-18	408	DZW10	100 94
80		280	195	160	135	22	3	8-18	426	DZW10	117 109
100		300	230	190	160	24	3	8-23	482	DZW15	138 126
125		325	270	220	188	28	3	8-25	570	DZW15	180 163
150		350	300	250	218	30	3	8-25	650	DZW20I	220 200
200		400	360	310	278	34	3	12-25	770	DZW30	300 275
250		450	425	370	332	36	3	12-30	810	DZW30	400 360
300		500	485	430	390	40	4	16-30	960	DZW45	550 495
350		550	550	490	448	44	4	16-34	1085	DZW60	710 620
400		600	610	550	505	48	4	16-34	1375	DZW90	910 790
450		650	660	600	555	50	4	20-34	1470	DZW90	1090 945
500		700	730	660	610	52	4	20-41	1575	DZW120	1365 1205
600		800	840	770	718	56</					

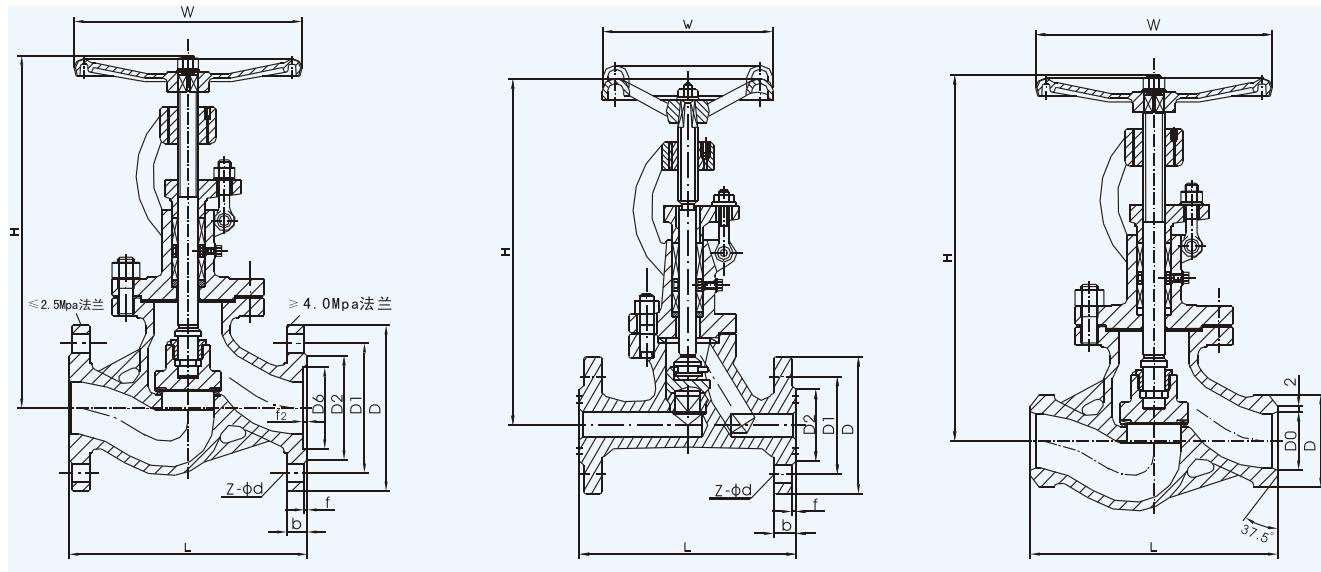
公称通径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)										电装型号 Model of electrical actuator	重量(kg) Weight	
		L	D	D1	D2	D6	b	f2	f	Z-d	H			
50	4.0	250	160	125	100	88	20	4	3	4-18	370	DZW10	92	87
65		280	180	145	120	110	22	4	3	8-18	410	DZW10	105	98
80		310	195	160	135	121	22	4	3	8-18	450	DZW15	123	115
100		350	230	190	160	150	24	4.5	3	8-23	540	DZW20I	143	135
125		400	270	220	188	176	28	4.5	3	8-25	640	DZW20I	181	166
150		450	300	250	218	204	30	4.5	3	8-25	715	DZW30	225	205
200		550	375	320	282	260	38	4.5	3	12-30	852	DZW30	328	283
250		650	445	385	345	313	42	4.5	3	12-34	1014	DZW45	488	443
300		750	510	45	408	364	46	4.5	4	16-34	1165	DZW60	607	527
350		850	590	510	465	422	52	5	4	16-34	1235	DZW90I	790	690
400		950	655	585	535	474	58	5	4	16-41	1420	DZW120	1008	848

公称通径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)										电装型号 Model of electrical actuator	重量(kg) Weight	
		L	D	D1	D2	D6	b	f2	f	Z-d	H			
50	6.4	250	175	135	105	88	26	4	3	4-23	372	DZW15	88	94
65		280	200	160	130	110	28	4	3	8-23	413	DZW15	118	108
80		310	210	170	140	121	30	4	3	8-23	455	DZW20I	133	121
100		350	250	200	168	150	32	4.5	3	8-25	544	DZW20I	156	134
125		400	295	240	202	176	36	4.5	3	8-30	630	DZW30	193	163
150		450	340	280	240	204	38	4.5	3	8-34	715	DZW45	298	253
200		550	405	345	300	260	44	4.5	3	12-34	855	DZW60	410	350
250		650	470	400	352	313	48	4.5	3	12-41	1015	DZW90I	549	509
300		750	530	460	412	364	54	4.5	4	16-41	1165	DZW90I	745	650
350		850	595	525	475	422	60	5	4	16-41	1235	DZW120I	960	800
400		950	670	585	525	474	66	5	4	16-48	1420	DZW180	1320	1125



NKJ61 H(Y)-16C、25、40、64、100

公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)								阀门重量 Valve Weight (kg)
		L	D	D0	D1	L1	H	H1	W	
10	1.6	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
10	2.5	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
10	4.0	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
10	6.4	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	265	285	160	7.8
25		160	44	26	33	13	270	293	160	8.5
32		180	60	30	39	14	270	300	180	12
10	10.0	130	36	9	15	9	245	255	120	7
15		130	44	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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公称口径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)								阀门重量(kg) Valve Weight			
		L	D	D1	D2	b	f	z-d	H	H1	W	RF	BW
1.6	15	130	95	65	45	14	2	4-14	245	260	120	7	6.5
	20	150	105	75	55	14	2	4-14	265	285	140	7.5	7
	25	160	115	85	65	14	2	4-14	270	295	160	9	8.5
	32	180	135	100	78	16	2	4-18	285	315	180	11	10.5
	40	200	145	110	85	16	3	4-18	300	330	200	18	17
	50	230	160	125	100	16	3	4-18	355	390	240	25	23
	65	290	180	145	120	18	3	4-18	415	455	280	32	29
	80	310	195	160	135	20	3	8-18	425	470	280	41	38
	100	350	215	180	155	20	3	8-18	470	520	320	58	54
	125	400	245	210	185	22	3	8-18	500	555	360	80	75
	150	480	280	240	210	24	3	8-23	570	650	400	101	90
	200	600	335	295	265	26	3	12-23	680	770	400	170	155
	15	130	95	65	45	16	2	4-14	245	260	120	7	6.5
	20	150	105	75	55	16	2	4-14	265	285	140	8	7.5
	25	160	115	85	65	16	2	4-14	270	295	160	10	9.5
	32	180	135	100	78	18	2	4-18	285	315	180	11	10.5
2.5	40	200	145	110	85	18	2	4-18	300	330	200	18	17
	50	230	160	125	100	20	3	4-18	355	390	240	25	23
	65	290	180	145	120	22	3	8-18	415	455	280	35	33
	80	310	195	160	135	22	3	8-18	425	470	280	50	46
	100	350	230	190	160	24	3	8-23	470	520	320	65	59
	125	400	270	220	188	28	3	8-25	500	555	360	100	90
	150	480	300	250	218	30	3	8-25	570	650	400	135	120
	200	600	360	310	278	34	3	12-25	680	770	400	180	160

公称通径 Nominal diameter	公称压力 Nominal pressure	外形尺寸 Outside dimensions (mm)												阀门重量(kg) Valve Weight	
		L	D	D1	D2	b	D6	f2	f	z-d	H	H1	W	RF	BW
15	4.0	130	95	65	45	16	40	4	2	4-14	245	260	120	7	6.5
20		150	105	75	55	16	51	4	2	4-14	255	285	140	8	7.5
25		160	115	85	65	16	58	4	2	4-14	270	295	160	10	9.5
32		180	135	100	78	18	66	4	2	4-18	270	300	180	12	11
40		200	145	110	85	18	76	4	3	4-18	300	340	200	20	18
50		230	160	125	100	20	88	4	3	4-18	355	390	240	27	25
65		290	180	145	120	22	110	4	3	8-18	410	455	280	38	35
80		310	195	160	135	22	121	4	3	8-18	425	470	320	52	46
100		350	230	190	160	24	150	4.5	3	8-23	470	530	360	68	58
125		400	270	220	188	28	176	4.5	3	8-25	500	570	400	104	94
150		480	300	250	218	30	204	4.5	3	8-25	570	650	400	140	125
200		600	375	320	282	38	260	4.5	3	12-30	690	780	400	190	170

注：以上数据仅供参考，可根据用户要求采用其它法兰标准。

Usage

It is installed in outlet of superheater、inlet of re heater and export steam pipe of 300MW and 600MW.
This kind of valve is isolation device for hydraulic test and the block plate will be dismantled after the test and it can be used as pipeline. If the next hydraulic test is necessary the block plate is installed again.

Structural characteristics

- The pressure rating is selected equal or higher than the designed pressure and temperature.
- The design and manufacturer standards and the inspection and test standards are E101、ANSI B16.25、JB/T6440、JB/T6902、JB/T6439、JB/T3595 etc.
- The valve can use no gear or driven by turbine.(Please see the picture)
- The sealing structure is self-tight sealing and bolted bonnet (BB), the branch in the two ends are connected by welding.
- The sealing ring is O-type and the seat is cast by stainless steel.
- If the valve with no gear , please install the block plate when it is in hydraulic test, and after the test, the block plate can be dismantled .
- The sealing of the block plate will regulated by the adjustment screw.

Installation instructions

- The valve should be installed according to the valve flow direction and the block plate should be dismantled after hydraulic test . The O-type ring should be kept carefully. If the valve driven by the turbine, the inner structure will remain.
- The water temperature of hydraulic test is from 20°C to 70°C .
- If the valve and the pipeline connected by welding, the input and output of the valve should keep the same with the diameter of the branch. If

【用途】

安装在300MW、600MW锅炉过热器出口、再热器入口、出口蒸汽管道上，作为进行水压试验时的隔离装置。
对采用无传动装置方式，水压后拆除内部堵板，装入导流套，作为管道使用，下次水压时可再次装入堵板。

【结构特点】

- 1、阀门压力等级按等于或高于设计压力和设计温度选取。
- 2、阀门按E101、ANSI B16.25、JB/T6903、JB/T6440、JB/T6902、JB/T6439、JB/T3595等相关标准设计、选材、制造、检验及验收。
- 3、可采用无传动装置方式和蜗轮传动方式两种（见图示）。
- 4、采用压力自紧式密封结构和螺栓连接阀盖结构两面种形式，两端支管为焊接连接。
- 5、采用平面O型圈密封，阀座采用不锈钢堆焊而成。
- 6、对采用无传动装置方式，水压试验时装入堵板，水压试验后取出堵板可以进行多次水压试验。
- 7、堵板密封可通过调节支撑板上端的调节螺钉进行调节，以达到密封目的。

【安装说明】

- 1、阀门安装必须按阀体流向箭头方向进行安装，对采用无传动装置方式，水压试验后取出堵板，O型密封圈应妥善保存。若采用蜗轮传动方式，则水压试验后无需拆除内部结构。
- 2、水压试验水温为20~70℃
- 3、阀门与管道采用对口焊接时，阀体进出口与接管口径应取得一致。若阀门接口材料管道材料不相容，则需焊接过渡段。

Structural characteristics

- 1、The pressure rating is selected equal or higher than the designed pressure and temperature.
- 2、The design and manufacturer standards and the inspection and test standards are E101、ANSI B16.25、JB/T6440、JB/T6902、JB/T6439、JB/T3595 etc.
- 3、The valve can use no gear or driven by turbine.(Please see the picture)
- 4、The sealing structure is self-tight sealing and bolted bonnet (BB), the branch in the two ends are connected by welding.
- 5、The sealing ring is O-type and the seat is cast by stainless steel.
- 6、If the valve with no gear , please install the block plate when it is in hydraulic test, and after the test, the block plate can be dismantled .

Installation instructions

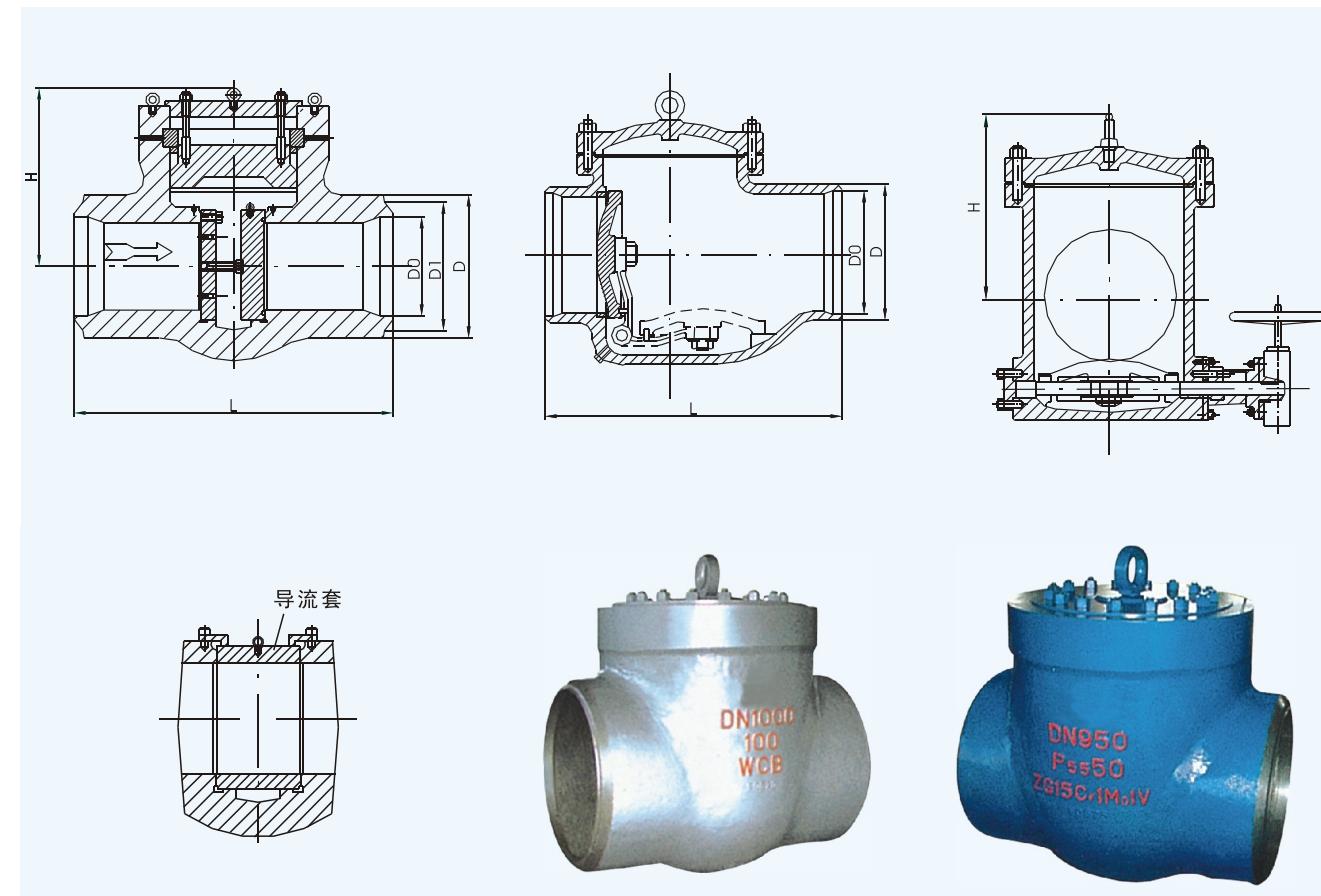
- 1、The valve should be installed according to the valve flow direction and the block plate should be dismantled after hydraulic test . The O-type ring should be kept carefully. If the valve driven by the turbine, the inner structure will remain.
- 2、The water temperature of hydraulic test is from 20°Cto 70°C .
- 3、If the valve and the pipeline connected by welding, the input and output of the valve should keep the same with the diameter of the branch. If

◎ 性能参数 Performance parameters

序号 Item	型号 Model	公称通径 Nominal diameter DN(mm)	公称压力 Nominal pressure PN(Mpa)	强度试验压力 Strength test pressure (Mpa)	适用介质 Media	最高使用温(℃) Highest working temperature	坡口内径 Groove diameter (mm)	阀体材料 Body material
1	SD61H-6.4	350	6.4	9.6	水、汽 Water and steam	425	366	碳钢 Carbon steel
2		400					392	
3		450					468	
4		650					649	
5		850					828.6	
6	SD61H-10	525	10	15.0	水、汽 Water and steam	425	530.4	碳钢 Carbon steel
7	SD61H-P _{s4} 3.5V	400	P _{s4} 5	15.0	水、汽 Water and steam	425	394	碳钢 Carbon steel
8		400	P _{s4} 3.5	15.0	水、汽 Water and steam	540	372	铬钼钒钢 V-Cr-Mo steel
9		450			水、汽 Water and steam		425	
10		500			水、汽 Water and steam		483	
11	SD61H-P _{s4} 4V	600	P _{s4} 4	15.0	水、汽 Water and steam	540	585	铬钼钒钢 V-Cr-Mo steel
12	SD61H-P _{s4} 4.5V	700	P _{s4} 4.5	15.0	水、汽 Water and steam	540	705	铬钼钒钢 V-Cr-Mo steel
13	SD61H-P _{s4} 5V	600	P _{s4} 5	15.0	水、汽 Water and steam	540	611	铬钼钒钢 V-Cr-Mo steel
14		650			水、汽 Water and steam		635	
15	SD61H-P _{s4} 10V	600	P _{s4} 10	30.0	水、汽 Water and steam	540	585	铬钼钒钢 V-Cr-Mo steel
16	SD61H-P _{s4} 17V	300	P _{s4} 17	48.0	水、汽 Water and steam	540	286	铬钼钒钢 V-Cr-Mo steel
17	SD61H-P _{s4} 20V	300	P _{s4} 20	60.0	水、汽 Water and steam	540	285	铬钼钒钢 V-Cr-Mo steel
18		400			水、汽 Water and steam		368.3	
19	SD61H-P _{s5} 5V	475	P _{s5} 5	24.0	水、汽 Water and steam	550	473	铬钼钒钢 V-Cr-Mo steel
20	SD61H-P _{s5} 14V	275	P _{s5} 14	48.0	水、汽 Water and steam	550	255.6	铬钼钒钢 V-Cr-Mo steel

注：1. 可根据用户提供连接管尺寸的要求进行设计制造 2. 其它型号、口径也可按用户要求进行设计制造

Note: 1.We can design and manufacture the branch according to the customers' demands. 2.We can design other model and diameter valve according to the customers' demands.



◎ 主要连接尺寸 Main connection dimensions

型号 Model	公称通径DN(mm) Nominal diameter	L	D1	D0	H
SD61H-6.4	350	900	406	366	570
	400	1000	432	392	610
	450	1100	508	468	685
	650	1232	705	649	820
	850	1750	875	828.6	980
SD61H-10	525	1300	558.8	530.4	650
SD61H-P _{s4} 5	400	1100	438	394	610
SD61H-P _{s4} 3.5V	400	1100	420	372	610
	450	1100	473	425	685
	500	1200	531	483	630
SD61H-P _{s4} 4V	600	1232	645	585	800
SD61H-P _{s4} 4.5V	700	1600	800	705	858
SD61H-P _{s4} 5V	600	1232	655	611	800
	650	1397	695	635	830
SD61H-P _{s4} 10V	600	1397	665	585	800
SD61H-P _{s4} 17V	300	900	368.3	285.76	550
SD61H-P _{s4} 20V	300	900	368.3	285.76	550
	400	1100	656	368.3	610
SD61H-P _{s4} 5V	475	1100	508	473	630
SD61H-P _{s4} 14V	275	1100	355.6	255.6	540

注：以上数据仅供参考，可根据用户要求进行设计制造。

Note: The above figures are just for reference, we can use other flange according to the customers' demands.

【用途】

该阀用于电厂或热电厂抽气系统，或其它系统的蒸汽和水等非腐蚀性介质管道上，防止汽轮机组在突然甩负荷时汽轮机内的压力突然降低，抽汽管和各加热器内蒸汽倒流进入汽轮机内造成汽轮叶片打碎，毁坏汽轮发电机的恶性事故，并防止加热器系统管道泄漏使水从抽汽管路进入汽轮机内而发生水击事故，以保护汽轮机的安全运行。作为防止介质逆流的装置，该阀能在0.5秒内快速紧密的关闭，确保在给水加热器出现水位超高时，气动装置部件接到液体逆流信号后，将汽轮机迅速隔开，给汽轮机或抽气系统以最大保护。

【结构特点】

- 密封面堆焊Cr13系不锈钢或钴基硬质合金，有良好的耐磨性，密封性能稳定可靠。
- 当介质正向流动时，气缸下腔进气，与重锤共同作用，使阀瓣平衡地处在全开位置。当介质反向流动时，气缸活塞下腔迅速泄压，阀瓣在0.5秒内快速关阀。
- 重锤通过加长杆和拨叉作用于销轴，用以平衡和摇杆的重力矩，防止水锤现象的发生。当介质正向流动时，有助于打开阀门，并在运行中保持阀门的平稳和减少振动。

Usage

This kind of valve is widely used in exhaust systems of power plant which the media are steam and water and other non-corrosive media. To prevent the inner pressure of gas turbine down suddenly and the turbine blades are crash. This kind of valve is the device to prevent the media flow in counter-direction. The valve will open and close in 0.5 second to protect the turbine.

Structural characteristics:

- The material of sealing surface is Cr13 or hard alloy, the sealing performance is good and it can be wear-resistant.
- When the media flow in positive moment, the gas enter into the inferior vena of gas cylinder, and works with the heavy hammer, the disc will in the balance open position; while when the media flow in reverse moment, the piston will relief the pressure, the disc will close in 0.5 second.
- The heavy hammer will work on pin through plus pole and shifting fork to balance the torque of the rocking lever to prevent the heavy hammer

◎主要性能规范 Main Performance Specifications

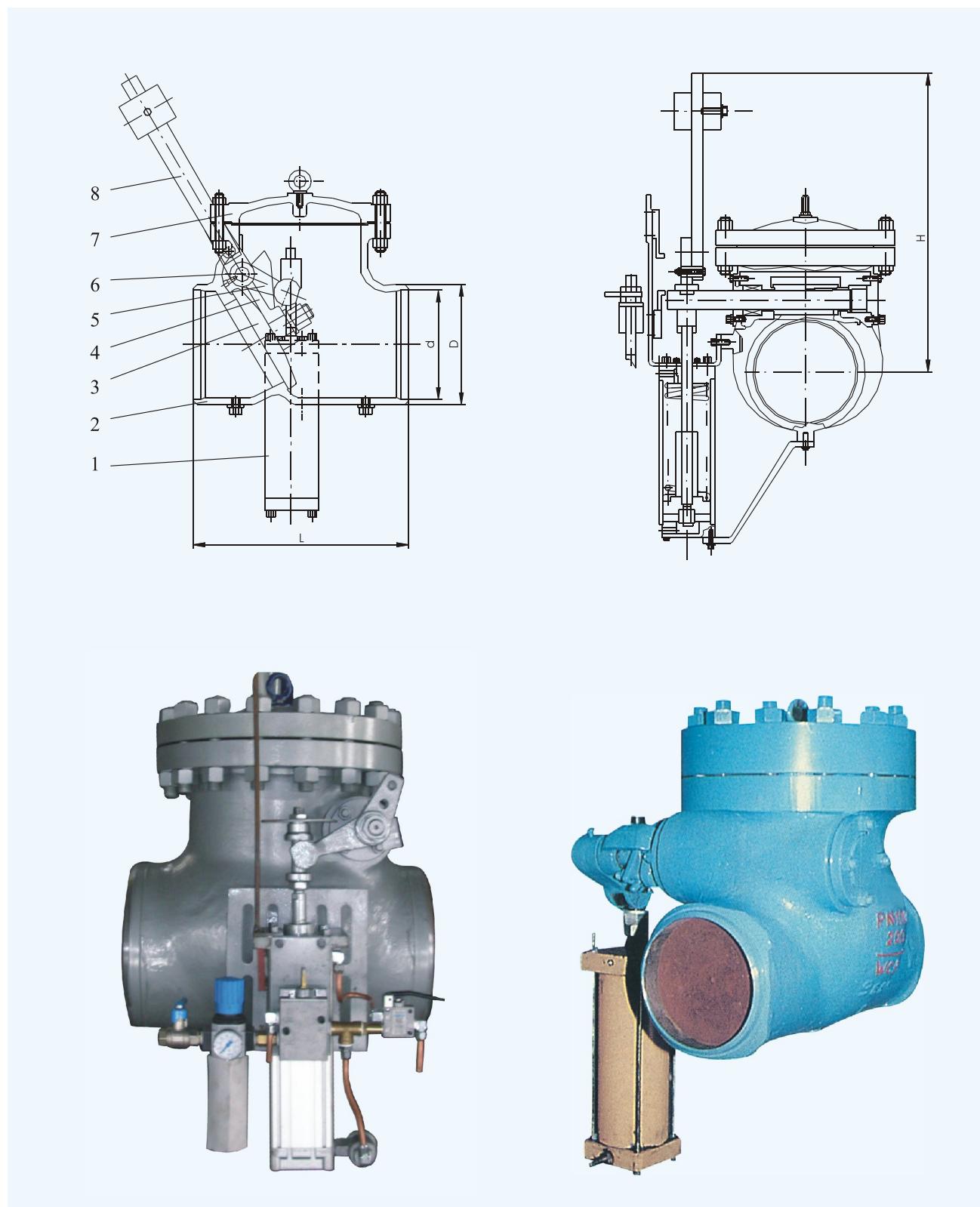
试验压力(Mpa) Test pressure	公称压力 (MPa) Nominal pressure						
	1.6	2.0	2.5	4.0	5.0	6.4	10.0
壳体强度试验 Shell strength test	2.4	3.0	3.8	6.0	7.5	9.6	15.0
密封试验 Seal Test	1.8	2.2	2.8	4.4	5.5	7.1	11.0

◎使用范围 Scope of application

产品类别 Product Category	适用温度 (℃) The application of temperature:	适用介质 The media
碳钢型 (C) Carbon steel type	≤425	蒸汽和水等非腐蚀性介质 Steam and water and other non-corrosive media:
合金钢 (I) Alloy steel	≤550	

◎主要零件材料 Materials for the main parts

序号 Item	零件名称 Part name	碳钢型 (C) Carbon steel type	合金钢 (I) Alloy steel
1	气缸 Cylinder	A105	A105
2	阀体 Body	WCB	WC6
3	阀瓣 Disc	WCB	WC6
4	摇杆 Rocking lever	WCB	WC6
5	拨叉 Yoke shifter	WCB	WCB
6	销轴 Pin	2Cr13	304
7	阀盖 Bonnet	WCB	WC6
8	加长杆和重锤 Plus pole and heavy hammer	WCB	WCB



◎ 主要外形尺寸、连接尺寸及重量 Main dimensions、connection size and weight

		H664H150Lb		H664Y150Lb	
规格 DN	尺寸 (mm) Size	重量(kg) Weight			
		L	d	D	H
18	740	428	476	990	620
20	790	468	520	990	759
28	1040	685	747	1240	1258
36	1448	880	934	1510	1990
42	1600	1000	1080	2080	2287
		H664H300Lb		H664Y300Lb	
8	526	195	239	815	236
12	910	300	354	845	1537
		H664H600Lb		H664Y600Lb	
10	680	250	302	904	385
20	1020	480	584	12040	1537
H664H-20					
口 径(mm) Nominal diameter	外形尺寸(mm)				重量(kg) Weight
	L	d	D	H	
450	740	428	482	990	625
500	790	478	532	990	760
600	915	574	634	990	1080
700	1040	678	726	900	1250
H664H-50					
200	526	198	248	815	240
300	610	296	332	845	360
350	838	332	380	889	620
H664H-100					
250	680	236	302	904	390
500	1020	478	532	1240	1490

空排止回阀
Air emissions check valve

【用途】

空排止回阀安装在火电机组的高压给水泵出口管道上，防止给水倒流，保护给水泵。该阀配合水泵最小流量自动再循环旁路工作，当给水泵在低负荷或者出口截门关闭状态时，自动再循环旁路阀应处于开启位置，以保证水泵的安全运行。当空排止回阀开启时，再循环旁路阀就自动关闭。

【作用原理及结构特点】

- 1、作用原理：打开出口阀，给水泵启动，给水达到一定的压力后，阀瓣在给水压力的作用下升一定的高度，推离阀座，给水即流出。同时由于阀瓣的上升，带动连杆转动，拨动排空口阀片，使再循环的刀片式活门向下移动，关闭排空口。当给水流量减少时，阀瓣下落，推动连杆拨开排空阀片，开启再循环门维持水泵最小的允许流量。当停泵时，阀瓣自动下落，关闭阀口通道，防止高压水锤给水系统的破坏。
- 2、结构特点：
 - a、该阀配合再循环旁路阀工作，维持系统的安全运行。
 - b、主阀瓣上下移动，介质倒流时，借助介质压力及弹簧作用下关闭通道，此时旁路阀开启，当主阀瓣全开时，旁路阀关闭。
 - c、阀瓣密封采用不锈钢堆焊而成，耐磨、抗擦伤性强，密封可靠。
 - d、阀门应垂直安装。

Usage

This kind of valve is used in major export pipeline pumps of thermal power generating units to prevent the backflow of water and protect waterpumps. The valve work with the pump, when the valve in underload or close to make the valve in safe condition.

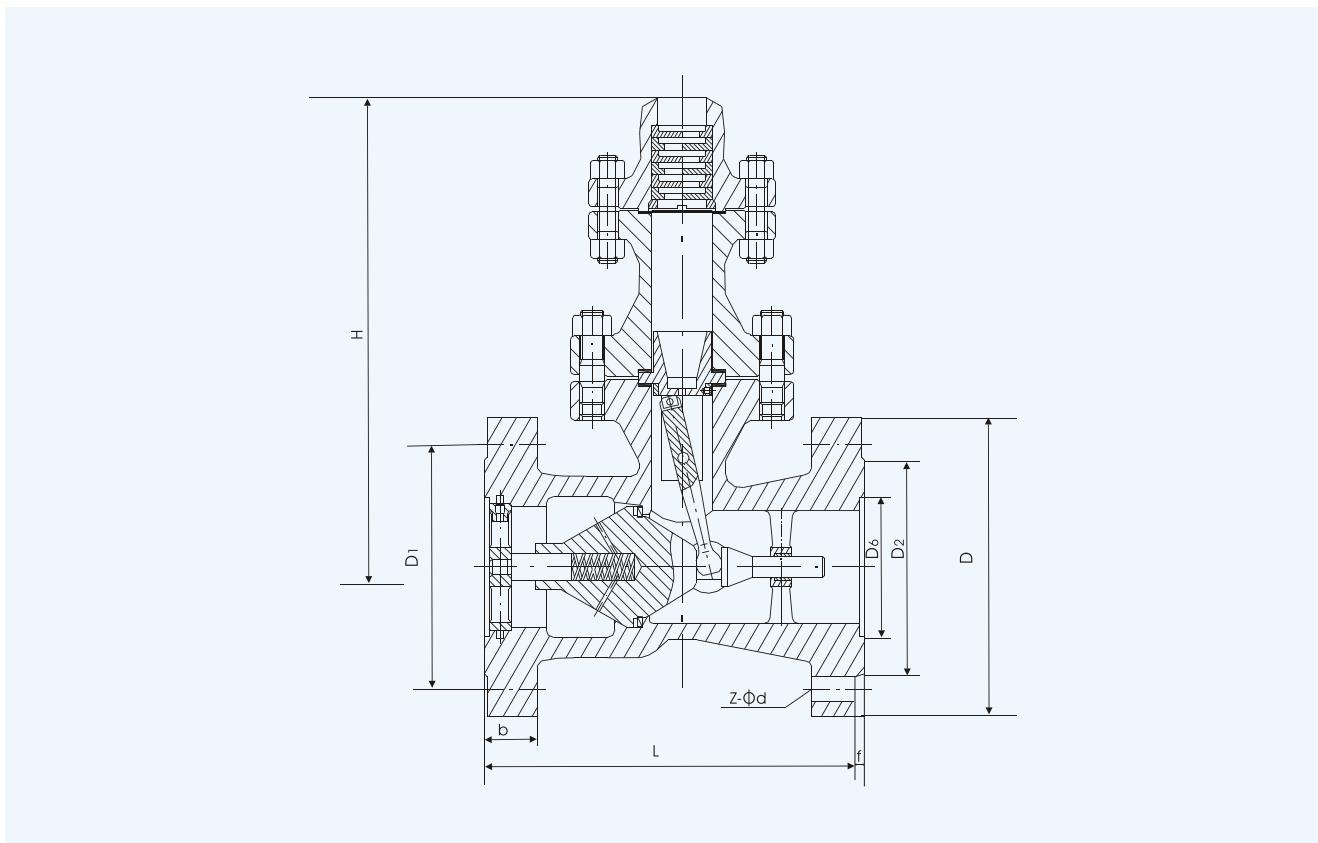
Working Principle and Structural characteristics

- 1、Working principle: Open the outlet valve, the feed pump . When the water is up to the certain pressure, the disc will rise to the certain height. The rising of the stem will bring linkage. When the water flow is limited, the disc will down. When the pump is stopped and the disc will stop, the valve channel will shut-off to prevent the damage of water supply system caused by heavy hammer.
- 2、Structural characteristics
 - a. This kind of valve will work together with recirculation bypass valve to make the whole system work in normal condition.
 - b. The main disc will move up and down. When the media flow in counter direction, the pathway will shut-off through the media pressure and spring. When the main disc is totally open, the bypass valve will open.
 - c. The sealing surface is sealed with stainless steel and it is wear-resistant, the anti-abrasion performance is good.



◎ 主要性能规范; Main Performance Specifications:

公称压力PN(Mpa) Nominal pressure	试验压力Ps(Mpa) Test pressure		工作压力(Mpa) Working pressure	适用介质 Media	工作温度(℃) Working temperature
	强度试验 Strength test	密封试验 Seal Test			
20.0	30.0	22.0	20.0	水 Water	≤160



◎ 主要零件材料 Materials for the main parts

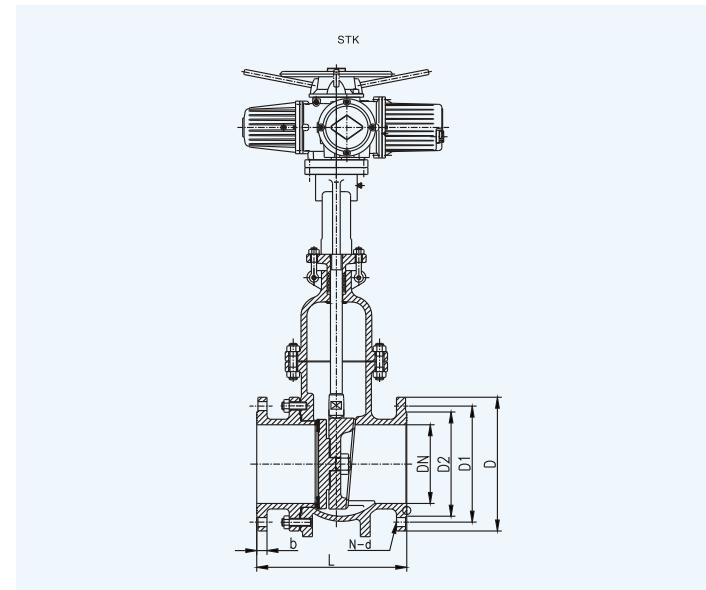
零件名称 Part name	材料 Material
阀体、连接法兰、排气法兰、法兰盖 Body、connected flange、Exhaust Flange、Flange cover	碳素铸钢 Carbon Steel
导向轴、拔叉、轴套、滑块、排放套、排气盘 Guiding shaft、Shifting fork、Sleeve、Slider、Sets emissions、Exhaust plate	不锈钢 Stainless steel
阀瓣、阀瓣体、阀瓣轴、连接叉 Disc、Disc body、Disc shaft、Link fork	优质碳素钢 Qualified carbon steel
衬套 Bushing	铸铝青铜 Aluminum Bronze
螺栓、螺母 Bolt and nut	优质碳素钢 Qualified carbon steel

◎ 主要连接尺寸: Main Connection Size:

DN	L	D	D1	D2	D6	b	Z-d	f	f2	H	重量(kg) Weight
100	430	360	292	245	138	66	8-Φ41	3	6	630	285
150	550	440	360	305	190	82	12-Φ48	3	6	650	510
175	610	475	394	340	214	84	12-Φ48	3	6	685	700
225	900	580	483	418	268	100	12-Φ58	3	6	765	1105
250	900	670	572	508	319	110	16-Φ58	3	6	780	1330

产品设计制造标准符合DL/T530, 《水力除灰排渣阀技术条件》该产品适用于火力发电厂水除灰系统, 冶金、工业炼钢、水尘污水处理、轧钢铁皮污水处理、煤渣、水渣处理和矿山工业选矿的管路上作为启闭装置, 该产品具有结构合理, 性能可靠操作轻便使用寿命长等特点。

The design and manufacture standards are according to DL/T530 and 《Technology of Hydraulic ash slagger valve》. The valve will be used in coal-fired power plants, metallurgical industry and sewage water dust and mill wastewater treatment and cinder, slag processing water. The



◎ 用途和性能规范 Usage and performance

型号 Model	公称压力(MPa) Nominal pressure	实验压力(MPa) Testing pressure	工作温度t(°C) Working temperature	使用介绍 Using brief introduction
PZ 941 H-10 41 10C	1.0	1.5	≤100	渣水混合物 Slug and water mixture 渣水比≤1: The ratio of slug and water 15最大粒度 The largest particle size ≤50mm
PZ 941 H-16 41 16C	1.6	2.4		
PZ 941 H-25 41 25	2.5	3.8		
PZ 941 H-40 41 40	4.0	6.0		
PZ 941 H-64 41 64	6.4	9.6		

◎ 主要零件材料 Materials for the main parts

零件名称 Part name	材 料 Materials						
	10	10C	16	16C	25	40	64
阀体 Body	灰铸铁 Gray cast iron	铸钢WCB Casting steel	灰铸铁	铸钢WCB	铸钢WCB	铸钢WCB	铸钢WCB
阀盖 Bonnet	灰铸铁	灰铸铁	灰铸铁	灰铸铁	铸钢WCB	铸钢WCB	铸钢WCB
阀座、闸板面 Seat Valve plate surface	铸钢+不锈钢+(堆焊516锰) Casting steel + stainless steel + 516 welding manganese						
阀杆 Stem	碳钢 Carbon steel				不锈钢 Stainless steel		
阀杆螺母 Stem nut	铸铝青铜 Aluminum bronze						

PN	DN	L	D	D1	D2	b	Z-d	H1	H		DZ	W(kg)	
									手动 Manual	电动 Electrical		手动 Manual	电动 Electrical
1.0Mpa	50	250	165	125	100	16	4-18		335	585	20	60	94
	80	280	200	160	135	18	8-18		510	910	20	78	112
	100	300	220	180	155	20	8-18	120	685	1080	20	96	140
	150	350	285	240	210	24	8-23	160	790	1200	30	150	195
	200	400	340	295	265	26	8-23	195	885	1312	30	222	260
	250	450	395	350	320	28	12-23	220	1015	1400	45	289	374
	300	500	445	400	368	28	12-23	260	1190	1540	6	365	455
	350	550	505	460	428	30	16-23	290	1350	1700	60	558	648
	400	600	565	515	482	32	16-26	330	1460	1850	120	850	960
	450	650	615	565	532	32	20-26	360	1620	2060	120	1164	1280
	500	700	670	620	585	34	20-26	390	1800	2270	180	1482	1740
1.6Mpa	50	250	165	125	100	16	4-18		335	585	20	60	94
	80	280	200	160	135	20	8-18		510	910	20	78	112
	100	300	220	180	155	20	8-18	120	685	1080	20	96	140
	150	350	285	240	210	24	8-23	160	790	1200	30	158	195
	200	400	340	295	265	26	12-23	195	885	1312	30	222	260
	250	450	405	355	320	30	12-26	220	1015	1400	45	289	374
	300	500	460	410	375	30	12-26	260	1190	1540	60	365	455
	350	550	520	470	435	34	16-26	290	1350	1700	60	558	648
	400	600	580	525	485	36	16-30	320	1460	1850	120	850	960
	450	650	640	585	545	40	20-30	360	1620	2060	120	1164	1280
	500	700	705	650	608	44	20-34	390	1800	2270	180	1482	1740
	600	800	840	770	718	48	20-36	437	1985	2556	180A	1521	1765
2.5Mpa	50	250	165	125	100	20	4-18		335	585	20	63	99
	80	280	200	160	135	22	8-18		510	940	20	82	118
	100	300	235	190	160	24	8-23		685	1080	20	101	147
	150	350	300	250	218	30	8-26	162	790	1200	30	166	204
	200	400	360	310	275	34	12-26	200	885	1312	30	233	273
	250	450	425	370	332	36	12-30	220	1015	1400	45	293	383
	300	500	485	430	390	40	16-30	260	1190	1540	60	373	478
	350	550	555	490	448	44	16-34	290	1350	1700	60	586	680
	400	600	620	550	505	48	16-36	350	1460	1850	120	893	1008
	450	650	670	600	555	50	20-36	360	1620	2060	120	1222	1344
	500	700	730	660	610	52	20-46		1800	2270	180	1556	1827
	50	250	160	125	100	20	4-18	35	335	585	20	71	108
4.0Mpa	65	280	180	145	120	22	8-18	45	365	910	20	93	138
	80	310	195	160	135	24	8-18	50	510	1080	20	101	157
	100	350	230	190	100	26	8-23	60	685	1200	20	121	245
	125	400	270	220	188	28	8-25	75	710	1312	30	186	273
	150	450	300	250	218	30	8-25	95	885	1400	30	253	383
	200	550	375	320	282	38	12-30	125	1015	1540	45	304	478
	250	650	445	385	345	42	12-34	135	1190	1700	60	473	680
	300	750	510	450	408	46	16-34	270	1235	1750	60	586	920
	350	850	570	510	465	52	16-34	310	1285	1804	90	932	1066
	400	950	655	585	535	58	16-41	340	1480	2033	120	1214	1505
	450	1050	680	610	560	60	20-41	360	1530	2083	120	1345	1670
	500	1150	755	670	612	62	20-48	400	1580	2193	180	1560	1840
6.4Mpa	50	250	175	135	105	26	4-23	35	330	585	20	89	99
	65	280	200	160	130	28	8-23	45	365	910	20	103	118
	80	310	210	170	140	30	8-23	50	510	1080	20	121	167
	100	350	250	200	168	32	8-25	60	685	1200	20	166	204
	125	400	295	240	202	36	8-30	75	710	1312	30	253	375
	150	450	340	280	240	38	8-34	95	885	1400	30	304	450
	200	550	405	345	300	44	12-34	125	935	1540	45	473	680
	250	650	470	400	352	48	12-41	135	1015	1700	60	586	860
	300	750	530	460	412	54	16-41	270	1190	1750	60	932	1010
	350	850	595	525	475	60	16-41	310	1278	1750	120	1144	1234
	400	950	670	585	525	60	16-48	340	1700	1784	120	1337	1499

耐磨排渣阀
Wearing resistant scum valve

耐磨排渣阀
Wearing resistant scum valve

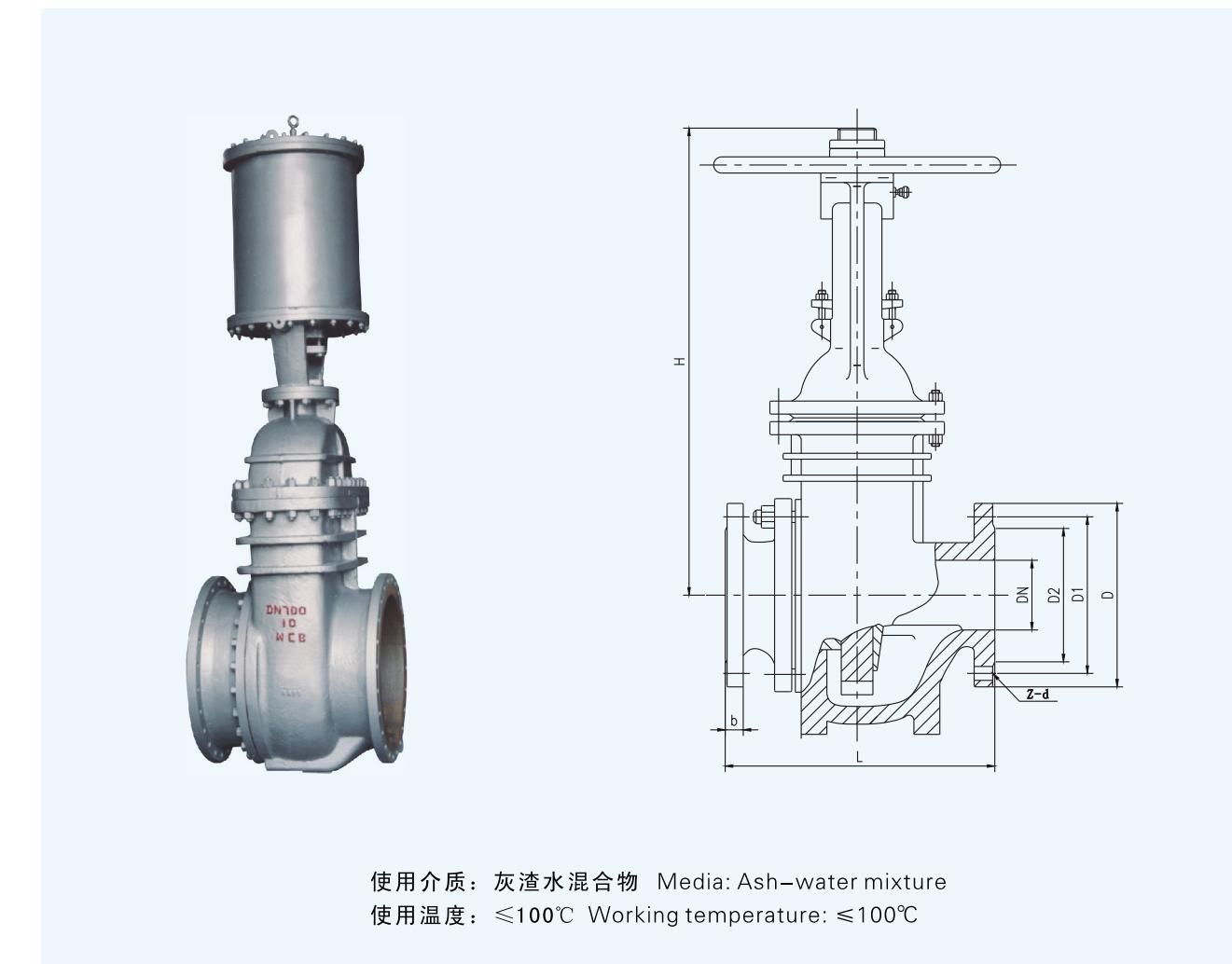
◎ 外型尺寸和连接尺寸 Dimensions and connection size:

H	DN	L	D	D1	D2	b	Z-d	f	H		电装DZ Electrical actuator	W(kg)	
									手动 Manual	电动 Electrical		手动 Manual	电动 Electrical
1.6Mpa	50	250	165	125	100	16	4-18	3					
	65	270	185	145	120	18	4-18	3					
	80	280	200	160	135	20	8-18	3					
	100	300	220	180	155	20	8-18	3	685	1080	20	86	130
	150	350	285	240	210	24	8-23	3	785	1200	30	148	185
	200	400	340	295	265	26	12-23	3	885	1312	30	212	250
	250	450	405	355	320	30	12-25	3	1015	1400	30	279	364
	300	500	460	410	375	30	12-25	4	1190	1500	45	355	445
	350	550	520	470	435	34	16-25	4	1350	1700	60	548	545
	400	600	580	525	485	36	16-30	4	1450	1850	60	840	950
	450	650	640	585	545	40	20-30	4	1620	2060	120	1154	1270
	500	700	715	650	608	44	20-34	4	1800	2270	120	1472	1730
2.5Mpa	50	250	165	125	100	20	4-18	3					
	65	270	185	145	120	22	8-18	3					
	80	280	200	160	135	22	8-18	3					
	100	300	235	190	160	24	8-23	3	685	1080	20	91	137
	150	350	300	250	218	30	8-25	3	790	1200	30	156	194
	200	400	360	310	278	34	12-25	3	885	1312	30	223	263
	250	450	425	370	332	36	12-30	3	1015	1400	30	283	373
	300	500	485	430	390	40	16-30	4	1190	1540	45	363	468
	350	550	555	490	448	44	16-34	4	1350	1700	60	576	670
	400	600	620	550	505	48	16-34	4	1460	1850	60	883	998
	450	650	670	600	555	50	20-34	4	1620	2060	120	1212	1330
	500	700	730	660	610	52	20-41	4	1800	2270	120	1546	1817
4.0Mpa	50	250	165	125	100	20	4-18	3					
	65	280	185	145	120	22	8-18	3					
	80	310	200	160	135	22	8-18	3					
	100	350	235	190	160	24	8-23	3					
	125	400	270	220	188	28	8-25	3					
	150	450	300	250	218	30	8-25	3					
	200	550	375	320	282	38	12-30	3					
	250	650	450	385	345	42	12-34	3					
	300	750	515	450	408	46	16-34	4					
	350	850	580	510	465	52	16-34	4					
	400	950	660	585	535	58	16-41	4					

注：以上数据仅供参考，可根据用户要求采用其它标准设计与制造

Note: The above figures are just for reference, we can design and manufacture other standards according to the customers' demands.

耐磨排渣节流阀
Wear-resistant throttle valve



使用介质: 灰渣水混合物 Media: Ash-water mixture

使用温度: ≤100°C Working temperature: ≤100°C

序号 Item	零件 Parts	材料 Materials	
		普通型 Normal type	耐磨型 Wear-resistant type
1	阀体 Body	ASTM A216 WCB	
2	阀杆 Stem	1Cr13	
3	阀盖 Bonnet	ASTM A216 WCB	
4	填料 Packing	柔性石墨 Flexible graphite	
5	阀杆螺母 Stem nut	铝青铜 Aluminum Bronze	
6	阀座 Seat	铸钢+不锈钢 Cast steel + Stainless steel	铸钢+陶瓷 Cast steel + Ceramics
7	阀板面 Valve plate surface	铸钢+不锈钢 Cast steel + Stainless steel	铸钢+陶瓷 Cast steel + Ceramics

耐磨排渣节流阀
Wear-resistant throttle valve

PL41 Y H **PL641 Y H** **PL941 Y H**

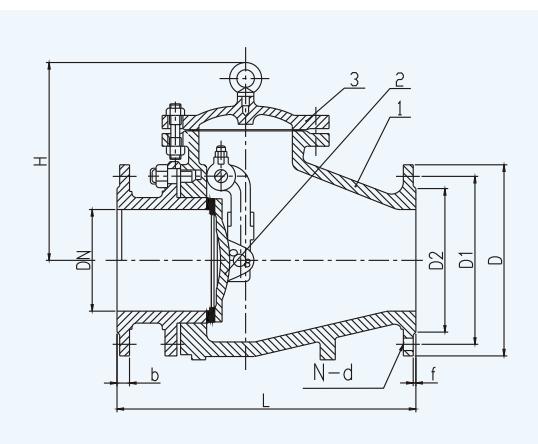
◎ 外形尺寸、连接尺寸及重量 Dimensions, size and weight of connection

PN	DN	L	D	D1	D2	b	Z-d	H1	H		电装DZ Electrical actuator	W(kg)	
									手动 Manual	电动 Electrical		手动 Manual	电动 Electrical
1.6MPa	150	350	285	240	210	24	8-23	205	620	710	30	156	162
	200	400	340	295	265	26	12-23	236	702	885	30	239	280
	250	450	405	355	320	30	12-25		1015	1435	45	305	381
	300	500	460	410	375	30	12-25	310	1190	1558	60	385	476
	350	550	520	470	435	34	16-25	355	1350	1678	60	578	660
	400	600	580	252	485	36	16-30	410	1460	1850	120	1041	1175
	450	650	640	585	545	40	20-30	450	1620	2060	120	1281	1390
	500	700	715	650	608	44	20-34	450	1800	2258	180	1489	1729
	150	350	300	250	218	30	8-25	210	690	910	30	175	226
	200	400	360	310	278	34	12-25	250	850	1100	30	287	338
2.5MPa	250	450	425	370	332	36	12-30	265	1015	1430	45	405	556
	300	500	485	430	390	40	16-30	304	1190	1558	60	540	634
	350	550	555	490	448	44	16-34	355	1350	1678	60	691	806
	400	600	620	550	505	48	16-34	450	1460	1830	120	1200	1377
	450	650	670	600	555	50	20-34		1620	1990	120	1338	1453
	500	700	730	660	610	52	20-41		1800	2160	180	1520	1750
	150	450	300	250	218	30	8-25	185	800	1230	30	238	273
	200	550	375	320	282	38	12-30	230	1030	1410	60	429	315
	250	650	450	385	345	42	12-34	290	1110	1540	60	599	391
	300	750	515	450	408	46	16-34	310	1180	1630	90	735	842
4.0MPa	350	850	585	510	465	52	16-34	370	1279	1704	90	910	1028
	400	950	660	585	535	58	16-41	435	1476	2459	180	1252	1510
	150	450	345	280	240	38	8-34	185	800	1080	60	246	281
	200	550	415	345	300	44	12-34	230	1036	1410	60	440	526
	250	650	470	400	352	48	12-41	290	1010	1481	90	639	767
	300	750	530	460	412	54	16-41	310	1186	1635	90	873	575
6.4MPa	350	850	600	525	475	60	16-41	370	1505	1961	120	944	425
	400	950	670	585	535	66	16-48	435	1708	2033	180	1253	1595

设计制造标准: DL/T 530-94 《水力除灰排渣阀技术条件》

Design and manufacture standards: DL T530-94 《Technology of hydraulic ash slugging valve》

耐磨排渣止回阀
Wear-resistant check valve



LXLZ⁷¹ H、Y-10C、16C、25、40

两项流排渣阀是我厂研制的高技术产品，该产品适用于火力发电厂水除灰，干除灰系统。矿山工业及其它行业的两项流管道上作为启闭装置。

【作用原理和结构特点】

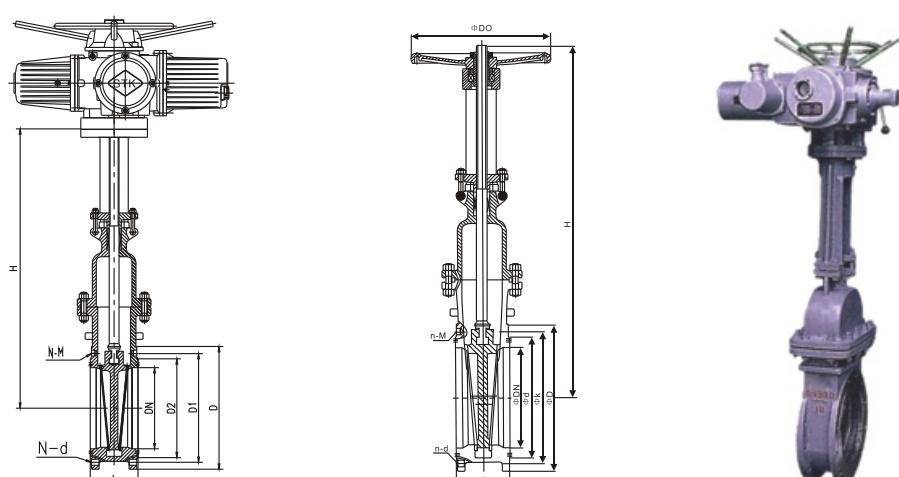
- 1、本阀门转矩限制机构动作，使阀杆螺母按顺时针方向旋转，闸板下降，将通路切断，阀门获必要的紧度后，自动停机则为关闭，而逆时针转时闸板上升到预定位置时行程控制机构动作，则为开启。
- 2、阀门全部采用铸钢，取消了以往的导轨和导轨槽，并有单面预紧，对夹安装的特有功能，起动灵活，安装方便。
- 3、该产品具有结构短，重量轻，结构合理，性能可靠操作维修方便，使用寿命长，属国内先进水平。
- 4、闸板由闸板面和平板楔块组成，具有关闭时能增大密封面之间的压力，实现强制密封。

Usage

DN175 is used for 500MW machine set and DN225 is used for 100MW machine set , and DN300 is installed for the 200MW machine set. The exit of high-pressure heater connected with input valve, when the input valve closed at the same time with the check valve, water supply change to the bypass.

Features and Description

- 1、The valve should be installed vertically.
- 2、The sealing surface of the seat is hard alloy, the performance of wear-resistant is good.
- 3、The surface of the stem has nitriding treatment, so the stem has good wear-resistant and anti-scratch performance.



◎ 用途和性能规范

型号 Model	公称压力(MPa) Nominal pressure	实验压力(MPa) Testing pressure	工作温度t(°C) Working temperature	使用介绍 Using brief introduction
LXLZ ⁷¹ H-10C	1.0	1.5		
LXLZ ⁷¹ H-16C	1.6	2.4		
LXLZ ⁷¹ H-25	2.5	3.8		
LXLZ ⁷¹ H-40	4.0	6.0		

◎ 主要零件材料 Materials for the main parts

零件名称 Part name	材 料 Materials			
	10C	16C	25	40
阀体 Body	铸钢 Carbon steel			
阀盖 Disc	铸钢 Carbon steel			
阀座 Stem	WCB+ (堆焊) 507Mo Ammonia steel			
阀杆 Shaft	2Cr13			
阀杆螺母 Bonnet	铸造青铜 Aluminum Bronze			

◎ 主要外形尺寸和连接尺寸 Main external and connecting dimensions

PN	DN	L	D	K	d	n-d	n-M	D ₀ /L ₁	H		W(kg)		SK
									手动 Manual	电动 Electric	手动 Manual	电动 Electric	
1.0MPa	50	100	165	125	99	2-18	2-M16	280	320	370	20	26	20
	65	100	185	145	118	2-18	2-M16	280	390	460	20	28	20
	80	110	200	160	132	6-18	2-M16	320	448	560	20	36	20
	100	120	220	180	156	4-18	4-M16	320	505	630	20	60	20
	125	130	250	210	184	4-18	4-M16	320	798	825	30	80	30
	150	140	280	240	211	4-12	4-M20	320	849	900	30	105	30
	200	150	340	295	266	4-22	4-M20	360	890	980	30	125	30
	250	150	395	350	319	6-22	6-M20	360	950	1090	45	153	45
	300	160	445	400	370	8-22	4-M20	400	1000	1200	60	227	60
	350	200	505	460	429	8-22	8-M20	400	1110	1450	60	303	60
	400	220	565	515	480	10-26	6-M24	450	1190	1650	90	415	90
	450	250	615	565	530	12-28	8-M26	560	1260	1800	120	544	120
	500	270	670	620	582	12-28	8-M26	560	1330	1900	120	605	120

◎ 主要外形尺寸和连接尺寸 Main external and connecting dimensions

PN	DN	L	D	K	d	n-d	n-M	D ₀ /L ₁	H		W(kg)		SK
									手动 Manual	电动 Electric	手动 Manual	电动 Electric	
1.6 MPa	50	100	165	125	100	2-18	2-M16	280/563	320	370	26	59	20
	65	100	185	145	120	2-18	2-M16	280/563	390	460	28	67	20
	80	110	200	160	135	6-18	2-M16	280/563	478	560	36	87.9	20
	100	120	220	180	155	4-18	4-M16	320/563	549	630	60	94	20
	125	130	250	210	185	4-20/18	4-M16	320/563	798	825	80	103	30
	150	140	280	240	210	4-22	4-M20	320/563	849	900	105	128	30
	200	150	340	295	265	6/4-22	6/4-M20	360/563	890	980	125	146	30
	250	150	405	355	320	6-26/20	6-M24/20	360/563	890	980	125	146	40
	300	160	460	410	375	6-26/22	6-M24/20	400/714	1000	1200	227	325	60
	350	200	520	470	435	8-26/22	8-M24/20	400/714	1110	1450	303	390	60
	400	220	580	525	485	10-30/26	6-M27/24	450/801	1190	1650	415	518	90
	450	250	640	585	545	12-30/26	8-M27/24	560/901	1260	1800	544	615	120
	500	270	715	650	608	12-33/26	8-M30/24	560/801	1330	1960	605	861	120
2.5 MPa	50	100	165	125	100	2-18	2-M16	280/563	320	370	26	59	20
	65	100	185	145	120	4-18	4-M16	280/563	390	460	28	67	20
	80	110	200	160	135	6-18	2-M16	280/563	478	560	36	87.9	20
	100	120	230	190	160	6-22	2-M20	320/563	549	630	60	94	20
	125	130	270	220	188	4-26	4-M24	320/563	798	825	80	103	30
	150	140	30										

H62Y-200 DN175、225、300

【用途】

DN175安装在50MW机组、DN225安装在100MW机组、DN300安装在200MW机组。高压加热器出口给水管道上与入口阀配套使用，当入口阀关闭同时止回阀关闭，给水切换到旁路，高压加热器安全解列。

【特点及说明】

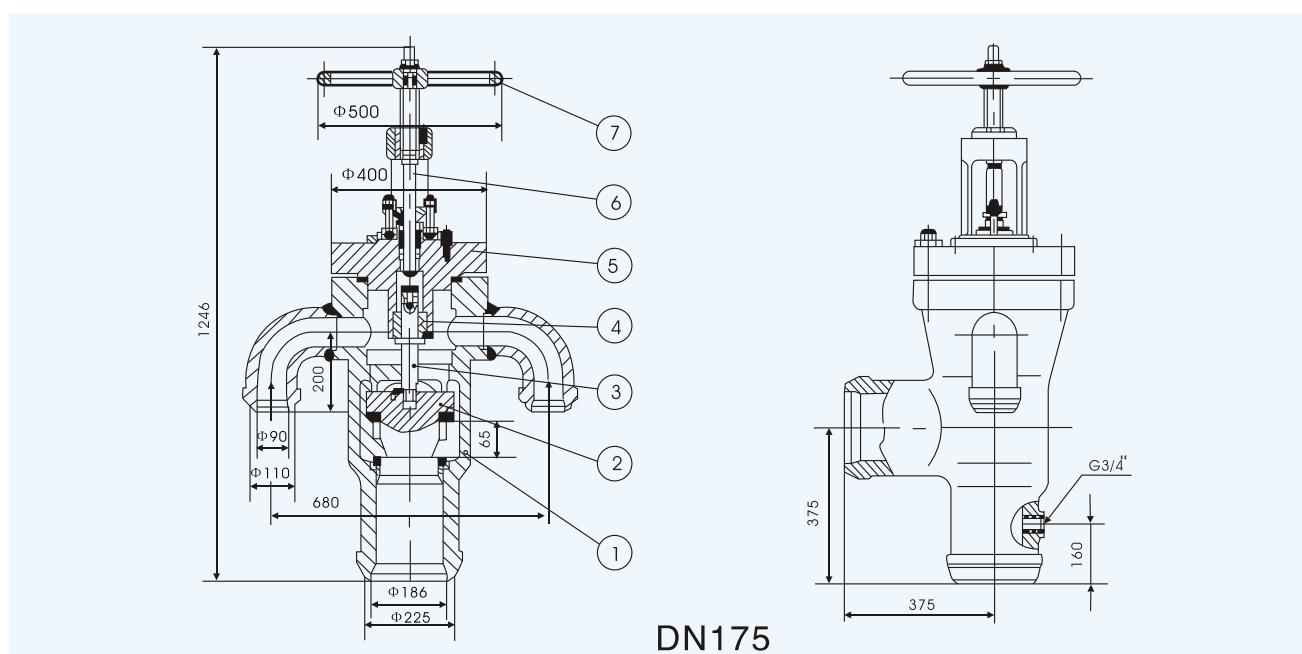
- 1、阀门应垂直安装。
- 2、阀座密封面采用钴基硬质合金等离子喷焊而成，耐磨、抗擦伤性能好。
- 3、阀杆表面经抗蚀性氮化处理，具有良好的抗腐蚀性和抗擦伤性。
- 4、投运时用手轮将阀杆旋起最高位置。

Usage

DN175 is used for 50MW machine set, DN 225 is used for 100MW machine set, DN 300 is used for 200MW machine set .

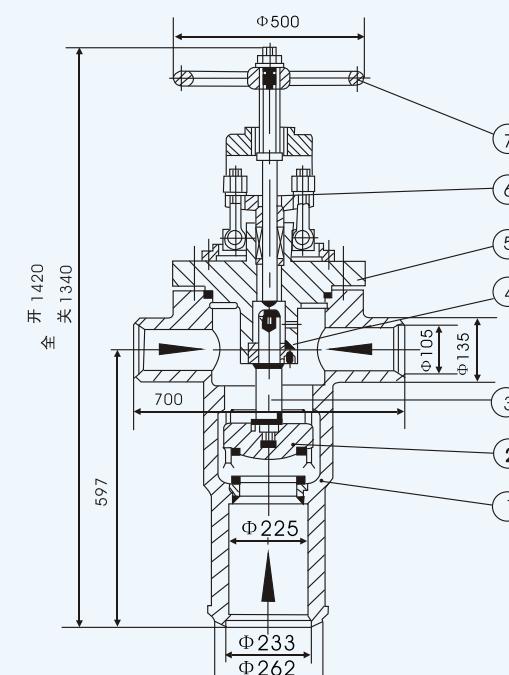
Features and Description:

1. The valve should be installed vertically.
2. The sealing surface is coated with Co-based carbide alloy steel, the wear-resistant and anti-wiping performance is good.
3. The stem surface has been treated with anti-nitriding materials, The anti-corrosion and anti-scratch performance is good too.

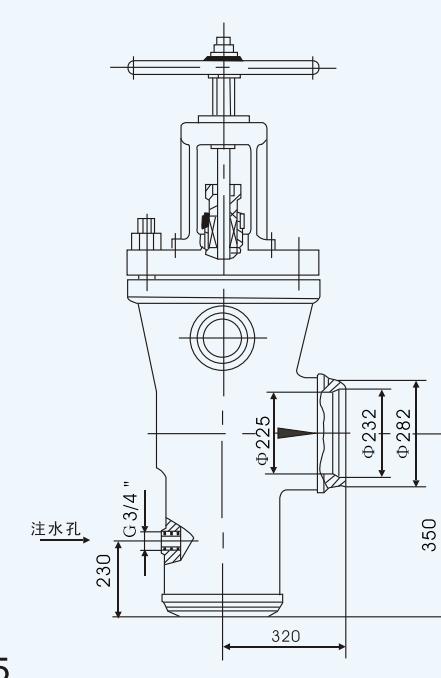


◎主要零件材料 Materials for the main parts

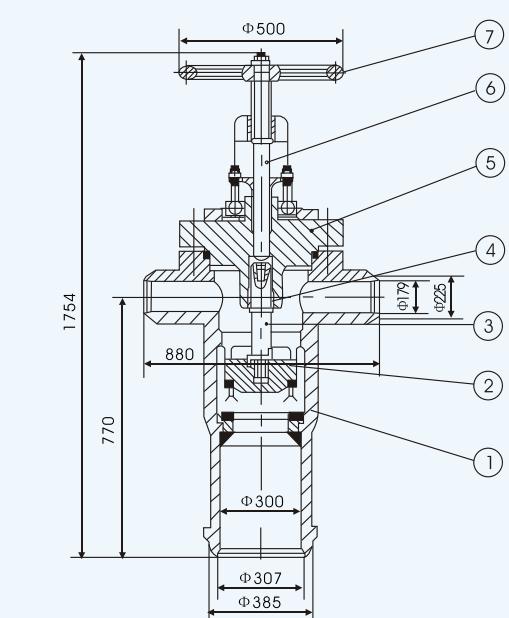
件号 Item	零件名称 Part name	材料 Material
1	阀体 Body	碳钢 Carbon steel
2	阀瓣 Disc	碳钢 Carbon steel
3	阀杆 Stem	渗氮钢 Nitriding steel
4	轴套 Sleeve	铝青铜 Aluminum Bronze
5	阀盖 Bonnet	碳钢 Carbon steel
6	阀杆 Stem	渗氮钢 Nitriding steel
7	手轮 Handwheel	铸铁 Cast iron



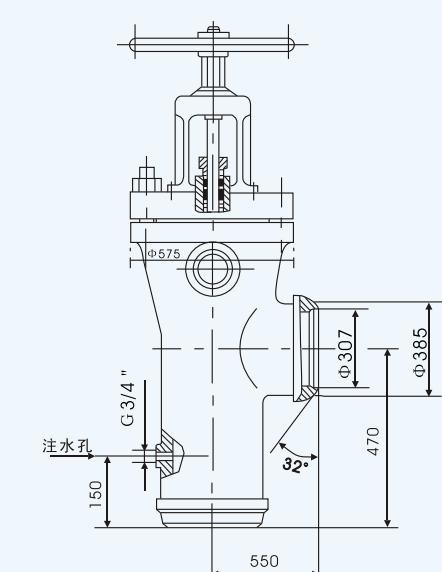
DN225



注水孔:water injection hole



DN300



J764Y-200 DN175、225、300

【用途】

DN175安装在50MW机组、DN225安装在100MW机组、DN300安装在200MW机组。高压加热器入口给水管道上，起保护高压加热器作用。

【工作原理】

此阀门与止回阀配套使用，往高压加热器注水后，借作用与阀杆截面的压差而使阀门自动开启，当高压加热器发生事故管系破裂而使水位超过允许水位时，水位信号通过电器装置打开快速启闭阀，凝结水进入活塞上部，将阀门关闭，给水切换到旁路，高压加热器安全解列，整个保护动作时间为2秒钟。

【结构简述】

- 1、阀门应垂直安装。
- 2、阀座密封面采用钴基硬质合金等离子喷焊而成，耐磨抗擦伤性能好。
- 3、阀杆表面经抗腐蚀性氮化处理，具有良好的抗腐蚀性、抗擦伤性。
- 4、活塞室内表面经镀铬处理。
- 5、凝结水系统上要装上过滤器，以保证入活塞上部水质干净。
- 6、凝结水旁路管上要装两快孔径为1.5mm的节流圈，使活塞室内经常保持有水，以免生锈。
- 7、采用的凝结水压力为P=0.78~0.89Mpa。
- 8、O型圈的规格为HG4-333-66; 250×8.6; 55×5.7。300×8.6; 55×5.7(DN300)

Usage

DN 175 installed in 50MW machine set, DN225 installed in 100MW machine set and DN300 installed in 200MW machine set. The input valve installed in water supply pipeline to protect the high-pressure heater.

Working Principle

This kind of valve are used with check valve, the valve will automatically open through the pressure produced during the process of injecting the water into the high-pressure heater. When the high-pressure heater burst the pipeline is broken, and water level is higher than the presetting water level, the shut-off valve will open quickly. The total protection time is 2 s.

Structure description

- 1、The valve should be installed vertically.
- 2、The sealing surface of the seat is hard alloy, the performance of wear-resistant is good.
- 3、The surface of the stem has nitriding treatment, so the stem has good wear-resistant and anti-scratch performance.
- 4、The inside surface of piston feed with a hard chromic finished.
- 5、There are filter in the condensate system to make the water is clean.
- 6、There are two throttles which the aperture is 1.5 mm, the water must be keep in the piston to be antirust.
- 7、Pressure of condensation water 0.78Mpa to 0.89Mpa.

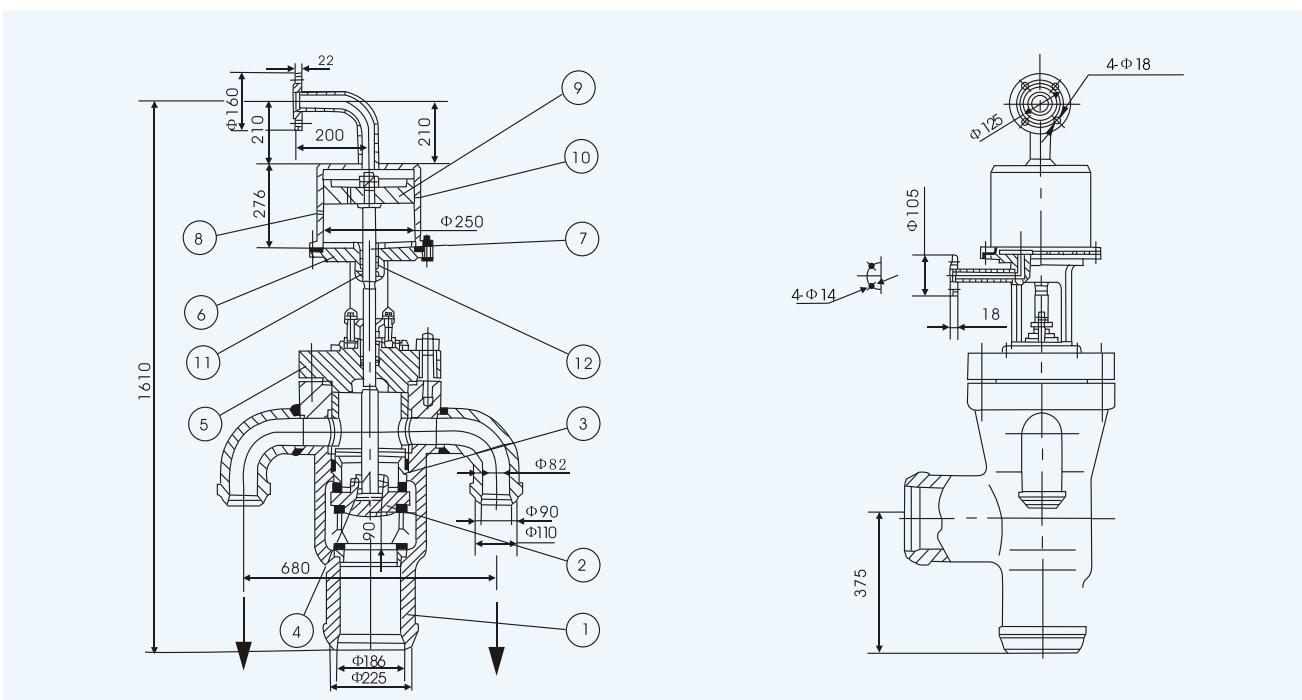
250×8.6; 55×5.7。300×8.6 55×5.7 DN300

◎ 性能参数 Performance Specifications

公称压力PN (Mpa) Nominal pressure		水压强度试验压力Ps(Mpa) Hydraulic pressure strength test	
20	活塞室 Piston chamber		活塞室除外 Except piston chamber
	1.21	29.42	

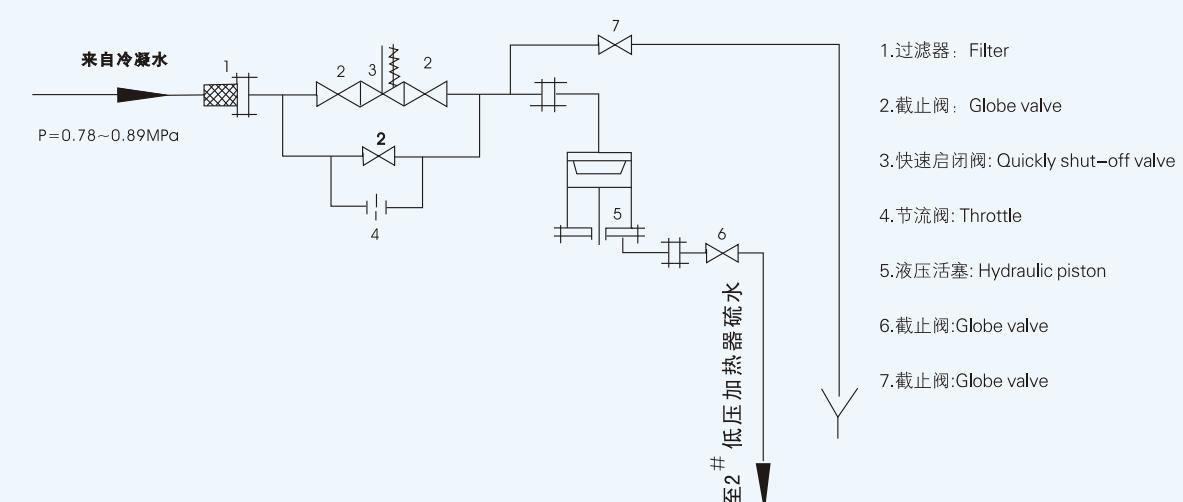
◎ 主要零件材料 Materials for the main parts

件名 No.	1	2	3	4	5	6	7	8	9	10	11	12
零件名称 Part name	阀体 Body	阀瓣 Disc	上阀座 Back seat	阀杆 Stem	阀盖 Bonnet	支架 Stent	活塞缸 Cylinder	活塞缸 Cylinder	活塞 Piston	O型圈 O ring	O型圈 O ring	轴套 Sleeve
材料 Material	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	渗氮钢 Nitriding steel	碳钢 Carbon steel	碳钢 Carbon steel	不锈钢 Stainless steel	碳钢 Carbon steel	铸铁 Cast iron	橡胶I-3 RubberI-3	橡胶I-3 RubberI-3	铝青铜 Aluminum Bronze

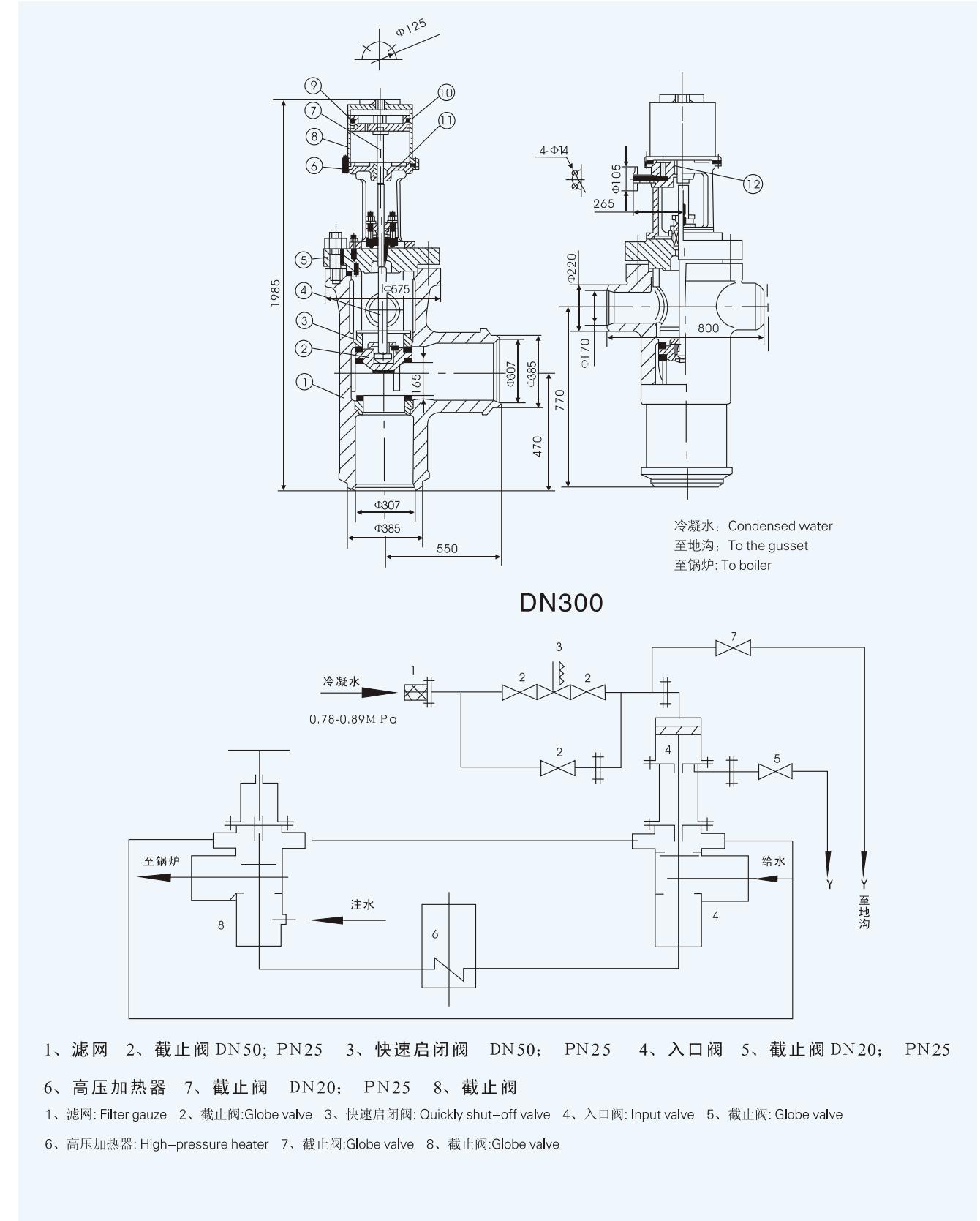
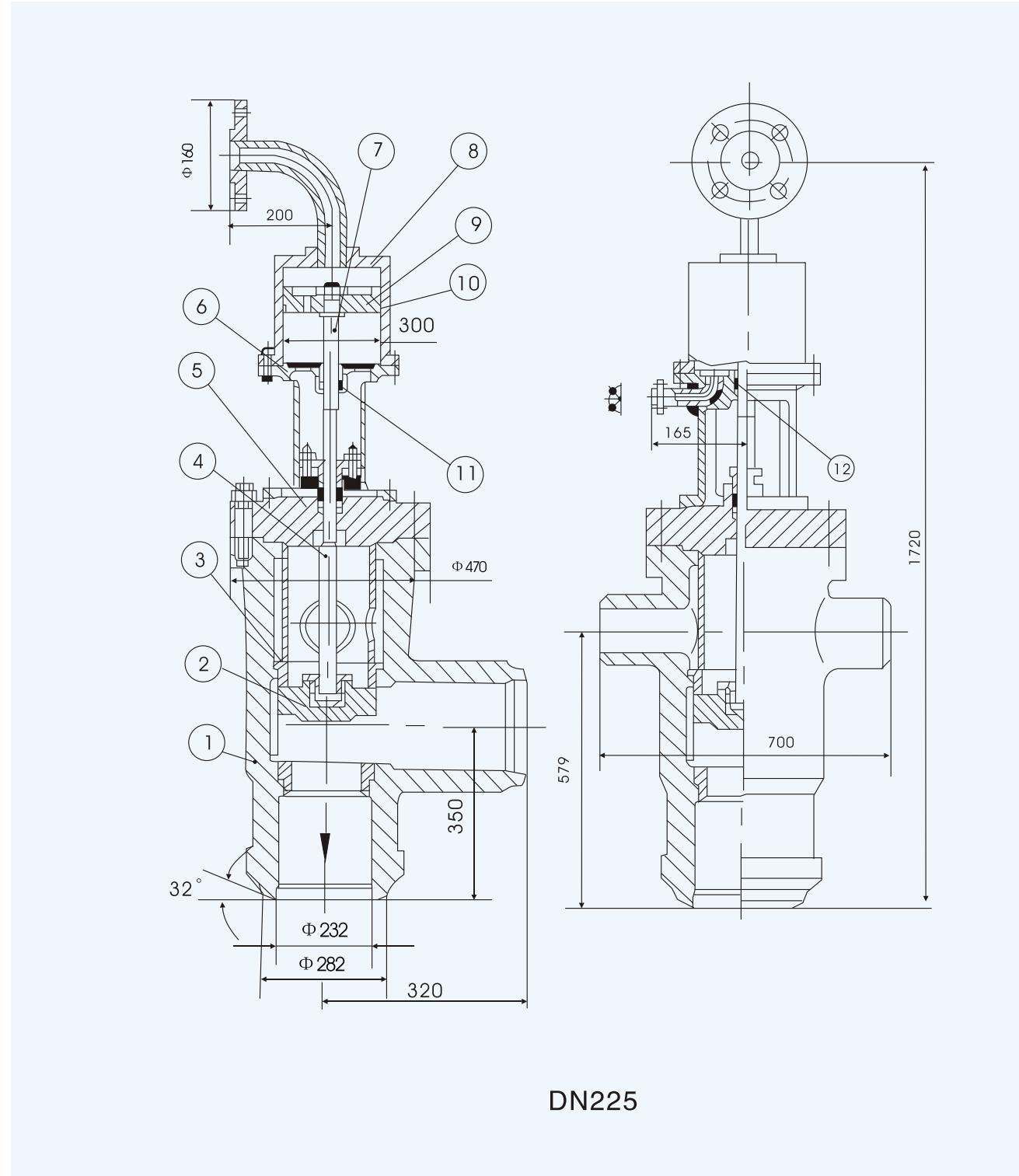


DN175

凝结水管路联接示意图
Connecting diagram of condensation water



入口阀
Inlet valve



H62Y-320 J764Y-320 DN300、350

【用途】

阀门装在300MW高压加热器入口与出口处，当高压加热器管系破裂，引起水位升高，达到报警水位时，快速启闭阀打开，使入口阀迅速关闭，同时也使止回阀迅速关闭，切断高压加热器给水，使高压加热器解列，锅炉给水则通过旁路进入省煤器，从而起到保护高压加热器的作用，使机组正常运行。

【结构简述】

1、入口阀

入口阀呈角式布置，外置活塞式结构。给水由侧面引入，向下进入高压加热器，阀上方由两个旁路管道与出口的止回阀的旁通管道相接。阀门有上下两个密封面，高压加热器正常运行时，入口阀开启，阀瓣上浮，与上密封面接触，当高压加热器发生故障时，凝结水侧通过电磁阀进入活塞上方，使阀瓣下落，关闭阀门。给水通过上面两旁通管道直接进入锅炉省煤器，而不经过高压加热器，使高压加热器解列。

入口阀主要由阀体、支架、阀瓣、阀杆、活塞等组成。

阀体有上下两个阀座，下阀座镶嵌在阀体上，上阀座与填料室是一体，装在阀体上，可以拆卸。

阀瓣上下两个密封面均采用硬质合金堆焊而成，阀杆表面经氮化处理，抗擦伤、耐腐蚀。活塞缸为焊接件，缸体内表面经磷镍镀层处理，有良好的防腐及耐磨性。活塞有“O”型环密封，支架起支撑活塞缸及连接阀体的作用，上部有两个焊接法兰，其内孔与活塞下腔连通。一个为进冷凝水管道，一个为排除冷凝水管道。

2、止回阀

止回阀呈角式布置，有三个进口，一个出口。上部有两个旁路进口与入口阀旁路管相连，下部与高压加热器出口相连，中间位置支管为出口，该出口支管与锅炉给水管道相连。

止回阀主要由阀体、阀盖、阀瓣、阀杆等组成。

阀体中镶嵌阀座，阀座和阀瓣密封面采用硬质合金离子喷焊而成，阀体下部一侧有一个管接头用来连接向高压加热器内注水的管道。

阀杆表面经氮化处理，具有良好的抗擦伤性和耐腐蚀性。

手轮其作用是当高压加热器解列，给水由旁路供给锅炉时，下阀口应关闭，若阀瓣不下来时，需转动手轮，使阀杆向下运动，顶下阀瓣把阀门关闭。

【安装说明】

1、入口阀和止回阀必须垂直安装，阀门与管道焊好后，应清洗干净，清除焊渣等污物。

2、冷凝水管道应为不锈钢材质，在进口处装设过滤网。

◎ 主要外形尺寸和连接尺寸

	主要外形尺寸和连接尺寸 Main external and connecting dimensions											
	通径 Nominal diameter	H	H1	H2	L	L1	D1	D2	D3	D4	d1	d2
入口阀 Input valve	300	1900	600	838	600	900	296	412	225	169	288	160
	350	2159	700	1005	700	1300	353	464	329	254	345	245
止回阀 Check valve	300	1640	600	838	600	900	296	412	225	169	288	160
	350	1914	700	1005	700	1300	353	164	329	254	345	245

H62Y-320 J764Y-320 DN300、350

◎主要零件材料

入口阀 Input valve	件号 No.	1	2	3	4	5	6	7	8	9
	零件名称 Part name	阀体 Body	阀座 Seat	阀瓣 Disc	填料室座 Packing chamber	支架 Stent	阀杆 Stem	活塞杆 Piston rod	活塞杆 Piston rod	活塞 Piston
	材料 Material	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	渗氮钢 Nitriding steel	不锈钢 Stainless steel	碳钢 Carbon steel	不锈钢 Stainless steel

止回阀 Check valve	件号 No.	1	2	3	4	5	6	7
	零件名称 Part name	阀体 Body	阀瓣 Disc	支架 Stent	手轮 Handwheel	阀杆 Stem	阀座 Seat	管接头 Pipe Joint
	材料 Material	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	铸铁 Cast iron	渗氮钢 Nitriding steel	碳钢 Carbon steel	碳钢 Carbon steel

Usage

This kind valve installed in exit and entrance of high-pressure heater. When the high-pressure heater pipeline is broken, the water level is risen up to the alarm water level, the valve will shut-off quickly, the input valve will close quickly and the check valve will closed too. So the high-pressure heater is in protection machinery set will work normally.

Structure description

1、Input valve

The input valve uses piston structure. The water supply enter into the valve by side, and enter into the high-pressure heater. The valve have back seal and seal.

The input valve is made up of Body、Disc、stem and piston etc.

The input valve has back seat and seat, the seat is welding to the body and back seat is installed in the packing. They installed in the body and can be dismantled.

The two sealing surface of the valve seat are sealed with stellite. There is pipe joint to connect the pipeline in the high-pressure heater.

2、Check valve

There are three inputs and one output of this check valve. There are two bypass imports connect with the entrance of bypass pipe valve in the top. The middle part is outlet port and the outlet is connect to feed water pipeline of boiler.

The check valve is made up of Body、Bonnet、Disc and Stem etc.

The seat is welding and sealing surface of seat and disc is coated with satellite. There is pipe joint to connect the pipeline in the high-pressure heater.

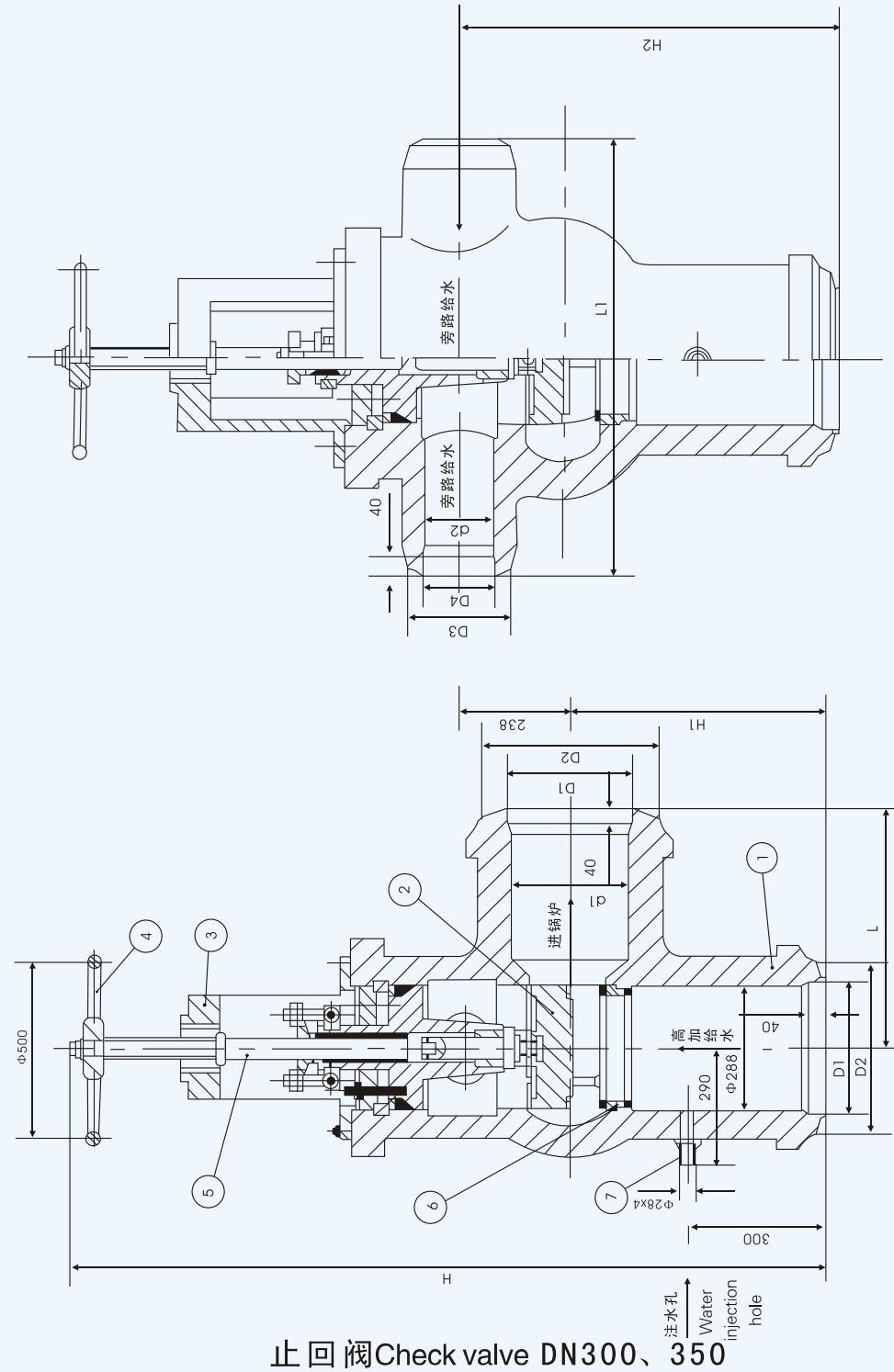
The surface of steam has nitriding treatment and has good anti-abrasion and corrosion resistance performance.

There is handwheel to open and close the valve.

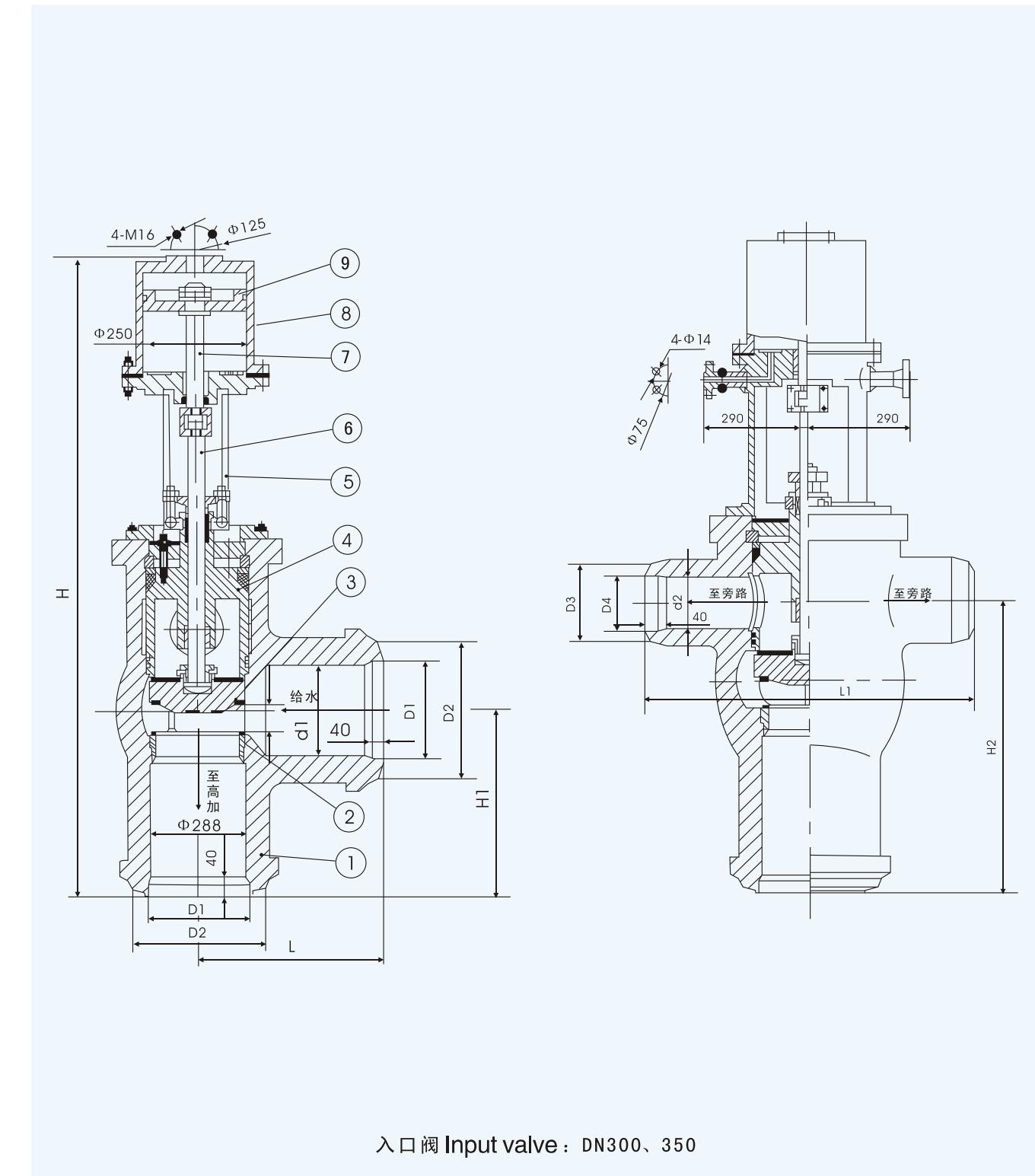
Installation instructions

1、The input valve and the check valve should be installed vertically and the valve and pipeline should be clean after welding. Waste should be clean completely.

H62Y-320 J764Y-320 DN300、350



H62Y-320 J764Y-320 DN300、350



【用途】

WY系列减温减压装置配置上相应的工业自动化仪表盘（即热控柜），可对电站或工业锅炉以及热电厂等处输送来的一次（新）蒸汽压力P₁、温度t₁进行减温减压，使其二次蒸汽压力P₂、温度t₂达到生产工艺所需的要求。WY系列温减压装置及其热控柜广泛用于电站、轻纺、石化等行业。

【结构特点】

WY系列减温减压装置由减压系统（减压阀、节流孔板等）、减温系统（高压差可调喷咀等）、安全保护装置（安全阀、止回阀）等组成、主要特点如下：

- 1、减压部分是由减压阀、节流孔板等组成，消除了过去的由减温减压阀产生的热应力，增强了装置的安全性，延长了装置的使用寿命，同时也降低了装置的噪音。
- 2、减温部分是由可调节喷咀来完成的，它集分配阀、节流装置、喷咀功能于一体，它既可对高压水进行减压，又可控制冷却水的喷射量，还可像喷咀那样进行喷射，它克服过去喷咀与节流装置不可调的缺点，具有以下优点：
 - (1) 喷咀的喷射速度不再随负荷变化而改变。
 - (2) 缩短了水滴蒸发时间，提高了雾化效果。
 - (3) 出口流量最大调节比例可以达到1: 10
 - (4) 简化了系统，取消回水装置，增加运行安全系数（减温水压力大于除氧器压力），减少了占地面积，降低了工程投资，又便于安装与调试。

【主要性能指标】

1、进口蒸汽压力

进口蒸汽压力P₁≤3.82MPa(39Kgf/cm²)，温度t₁≤450℃

2、出口流量Q

减温减压装置出口流量Q的变化范围为10% ~ 100%，在此范围内调节比较理想，若有特殊要求，可与本厂开发部协商另定。

3、出口蒸汽压力P₂

出口蒸汽压力P₂的调节精确度不低于2.5级，误差不大于±0.04MPa

4、出口温度蒸汽t₂

出口蒸汽温度t₂的调节精确度不低于2.5级，误差不大于±0.5℃

5、噪音

装置正常运行时，在减压阀或减温压阀下游一米，同时距管壁一米处测其噪音，噪音声级应不大于80分贝。

Usage

Structural characteristics:

Main performance index

1、Pressure of input steam(P1)
P1≤3.82Mpa(39Kgf/cm²) t1≤450℃

2、Export flow Q
Variation range of export flow is 10%~100%, it is ideal to regulate the valve in this range. If there are any special requirements, please contact the Production department.

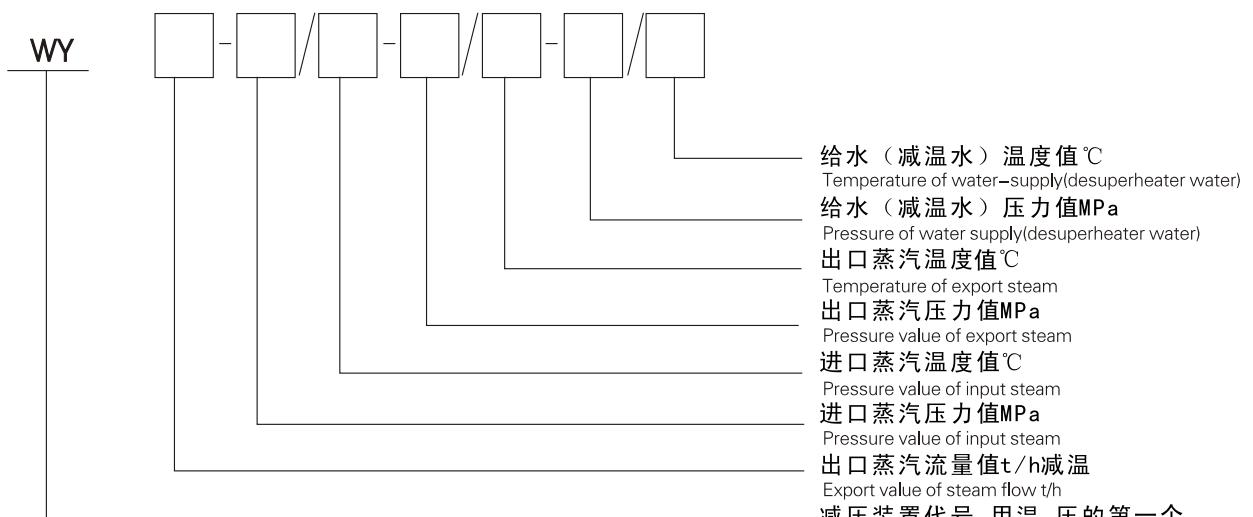
3、Pressure of export steam (P2)
The regulation accuracy of P2 is not below than grade 2.5, the error will not exceed more than ± 0.04Mpa;

4、Temperature of export steam(t2)
The regulation accuracy of t2 is not below than grade 2.5, the error will not exceed more than ± 0.5℃.

5、Noise

【型号编制】 Model instructions

装置的型号编制方法如下： **Model instructions of devices as follows**



例：WY80-3.82/450-0.98/260-8.0/104表示出口蒸汽流量为80t/h：进口蒸汽压力3.82MPa，温度450℃，出口蒸汽压力为0.98MPa，温度260℃；减温给水压力为8.0 Mpa，温度104℃的减温减压装置。

Example: WY80-3.82/450-0.98/260-8.0/104 show that the Export value of steam flow is 80t/h; Pressure value of input steam is 3.82Mpa, temperature is 450

【减温减压装置图示】

1、WY-01型减温减压装置图示（图一）

WY-01型减温减压装置由减压阀、可调喷咀及一套主安全阀、冲量安全阀等组成，共有91种规格，常用出口蒸汽管径DN在200~400mm之间，出口蒸汽流量在Q=5t/h~80t/h范围内。

2、WY-02型减温减压装置系列图（图二）

WY-02系列减温减压装置比WY-01系列多一套安全阀和冲量安全阀，其余基本相同，工有28种规格，出口蒸汽管径DN从400~600mm，常用出口蒸汽流量在Q=25t/h~120 t/h范围内。

3、WY-^{0.5}_{0.6}型减温减压装置图示（图三）

WY-^{0.5}_{0.6}型减温减压装置由减压阀、可调喷咀及弹簧安全阀等组成，WY-^{0.5}_{0.6}系列各有27种规格，出口蒸汽管径DN在80~150mm之间，常用出口蒸汽流量在Q=2~15 t/h范围内。

Explanatory Chart of release-temperature and voltage devices

1、WY-01(Picture 1)

WY-01 are made up of Relief valve、Adjustable nozzle、Main safety valve and Impulse valve. There are 91 specifications. The normal export steam pipe diameter is 200~400mm; Export value of steam flow Q=5t/h~80t/h.

2、WY-02(Picture 2)

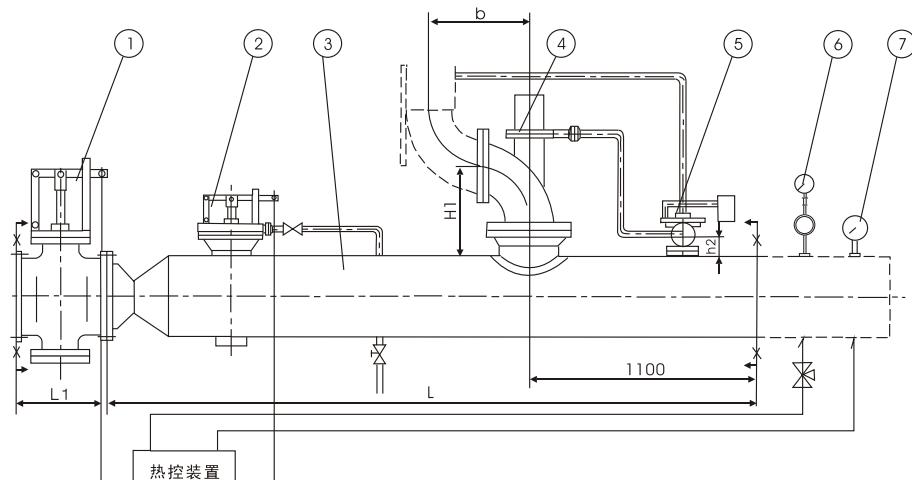
WY-02 are made up of Relief valve、Adjustable nozzle、Two sets of Main safety valve and Impulse valve. There are 28 specifications. The normal export steam pipe diameter is 400~600mm; Export value of steam flow Q=25t/h~120t/h.

3、WY-05/06(Picture 3)

WY-05/06 are made up of Relief valve、Adjustable nozzle、safety valve and Spring. There are 27 specifications. The normal export steam pipe diameter is 80~

WY-01型减温减压装置图示 (一套冲量安全阀)

Chart of Desuper heating and reducing device of WY-01 type(Impulse of a safety valve)



图一

注: (1)本厂一般提供角行程执行机构亦可提供直行程、气动或其他执行机构。

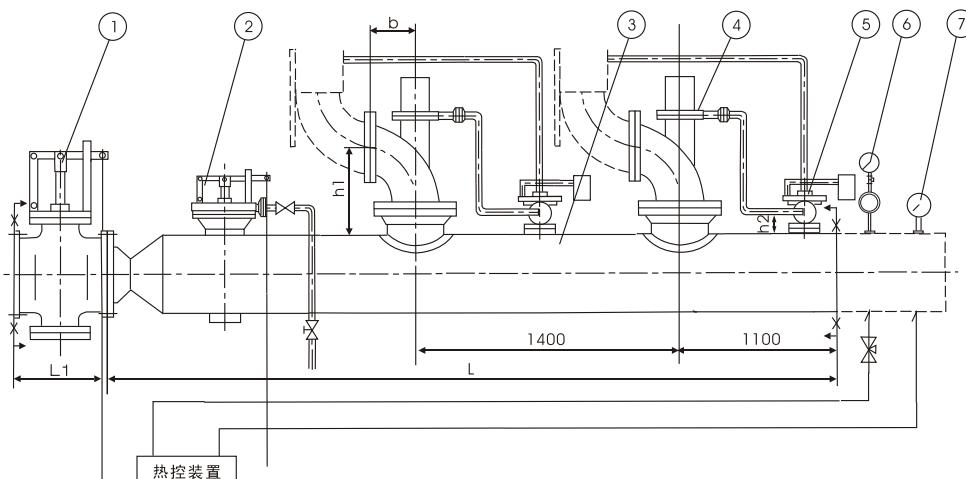
(2) 其它规格尺寸可按用户要求设计制造。

Note: Generally speaking we provide with part-turn actuator, and we can also provide with linear actuator、pneumatic or other kinds of actuator.
Other specification and size will be manufactured according to the customers' demands.

序号 Item	名称 Name
1	减压阀 Relief valve
2	可调喷咀 Adjustable nozzle
3	主管道 Main pipe
4	主安全阀 Main safety valve
5	冲量安全阀 Impulse valve
6	压力表 Pressure gauge
7	双金属温度计 Bimetal thermometer

WY-02型减温减压装置图示 (二套冲量安全阀)

Chart of Desuper heating and reducing device of WY-02 type(Impulse of a safety valve)



图二

注: (1) 本厂一般提供角行程执行机构亦可提供直行程、气动或其他执行机构。

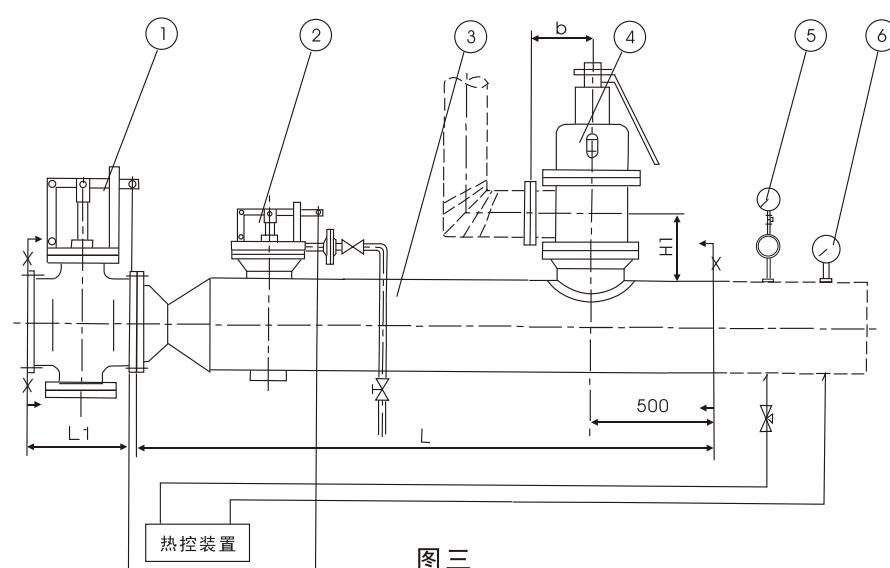
(2) 其它规格尺寸可按用户要求设计制造。

Note: Generally speaking we provide with part-turn actuator, and we can also provide with linear actuator、pneumatic or other kinds of actuator.
Other specification and size will be manufactured according to the customers' demands.

WY-05 型减温减压装置图示
(一只弹簧安全阀PN1.6 PN4.0)

WY-05
WY-06

Chart of Desuper heating and reducing device of WY-05 and WY-06 type



图三

注: (1) 本厂一般提供角行程执行机构亦可提供直行程、气动或其他执行机构。
(2) 其它规格尺寸可按用户要求设计制造。

Note: Generally speaking we provide with part-turn actuator, and we can also provide with linear actuator、pneumatic or other kinds of actuator.
Other specification and size will be manufactured according to the customers' demands.

高温高压减温减压装置

【用途】

本装置将新蒸汽的压力 P_1 和温度 t_1 ($P_1=10\text{MPa}$ $t_1=540^\circ\text{C}$)降低到用户需要的各种压力 P_2 和温度 t_2 要求。

【系统简述】

本装置由减压系统，减温系统，安全保护装置和自动控制装置组成。

减压系统一由减压阀和节流孔板，通过执行机构来实现。

减温系统一采用通过带有执行机构的可调喷咀水减温方式来实现蒸汽温度的调节。

安全保护装置一是直接采用冲量安全装置（由主安全阀和冲量安全阀组成）或弹簧安全阀来实现，当二次压超过规定值时，将压力超过部分的蒸汽排向大气，从而使二次压力保持在允许值内。

自动控装置一配用我厂生产蒸汽压力，温度控制装置，新蒸汽通过本装置能使二次蒸汽参数保持在所需的稳定值。

【订货须知】

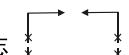
1、产品名称：高温高压减温减压装置

2、签定合同必须写明下列参数：流量Q（即减温减压后流量）；一次蒸汽压力 P_1 ，温度 t_1 ；二次蒸汽压力 P_2 ，温度 t_2 ；减温水压力 P_b （ $P_b \leq P_2 + 0.5\text{MPa}$ ）减温水温度 t_b 。

3、控制方式：按需要选择自动控制装置的型号。

4、对于二次蒸汽质量要求较高的使用场合，二次蒸汽温度应大于饱和温度 $5\sim 10^\circ\text{C}$ 。

5、按用户需要可接受特殊定货。

6、图中标志  为本公司供货范围。

High-temperature high-voltage and release-temperature and voltage devices

Brief introduction of system

The device is made up of Pressure Relief System、Temperature Relief System、Safety protection device and Automatic Control Device.

The pressure relief system is operated by relief valve and cutting plate and actuator.

The temperature relief system is operated by adjustable nozzle with electrical actuator to regulate the temperature of the steam.

Safety protection device uses the impulse safety device directly (is made up of the main safety valve and impulse safety valve.) or spring safety valve. When the pressure is superer to stated value, the steam will outlet to the air and so the secondary pressure will keep in the allowable value.

Automatic Control Device will use our own device to make the secondary pressure keep in the certain value.

Order information

1、Product name: High-temperature high-voltage and release-temperature and voltage devices

2、Technical parameters should be clarified in the order: Flow rate Q (Flow about pressure relief and temperature relieve); First steam pressure P_1 , temperature t_1 ; Secondary steam pressure P_2 and temperature t_2 ; Water pressure of lower temperature P_b ($P_b \leq P_2 + 0.5\text{MPa}$), Water temperature t_b .

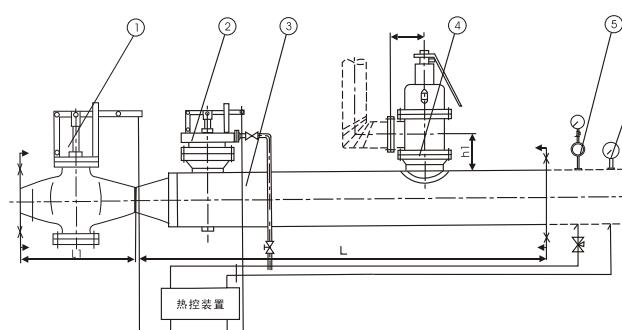
3、Control mode: Select the automatic control device according to the actual needs.

4、The temperature of secondary steam should surpass saturated temperature $5^\circ\text{C} \sim 10^\circ\text{C}$.

5、We can accept the special order according to the customers' special demands.

高温高压减温减压装置图示（一只弹簧安全阀）

Chart of high-temperature high-voltage and release-temperature and voltage devices(Spring safty valve)



注：(1) 本厂一般提供角行程执行机构亦可提供直行程、气动或其他执行机构。
注：(2) 其它规格尺寸可按用户要求设计制造。

Note: Generally speaking we provide with part-turn actuator, and we can also provide with linear actuator or other kinds of actuator.
Other specification and size will be manufactured according to the customers' demands.

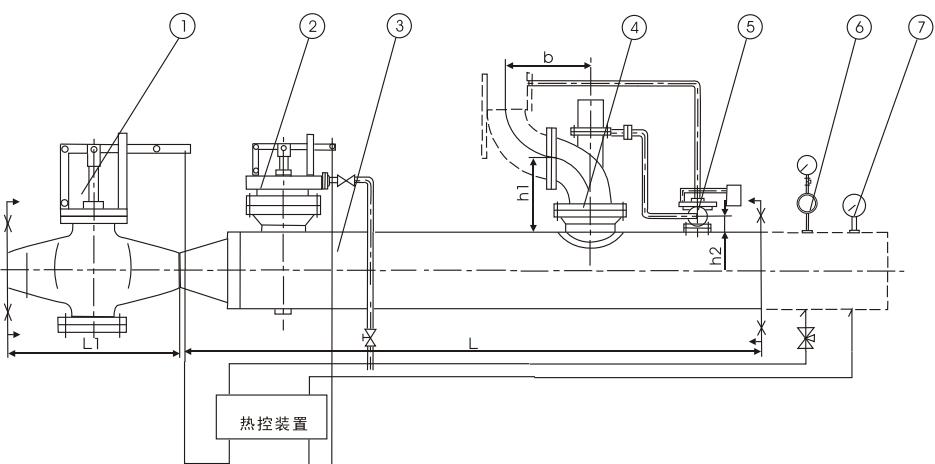
高温高压减温减压装置

High-temperature high-voltage and release-temperature and voltage devices

高温高压减温减压装置图示（一套冲量安全阀）

Chart of high-temperature high-voltage and release-temperature and voltage devices

序号 Item	名 称 Name
1	减压阀 Relief valve
2	可调喷咀 Adjustable nozzle
3	主管道 Main pipe
4	主安全阀 Main safety valve
5	冲量安全阀 Impulse valve
6	压力表 Pressure gauge
7	双金属温度计 Bimetal thermometer



图二

注：(1) 本厂一般提供角行程执行机构亦可提供直行程、气动或其他执行机构。

(2) 其它规格尺寸可按用户要求设计制造。

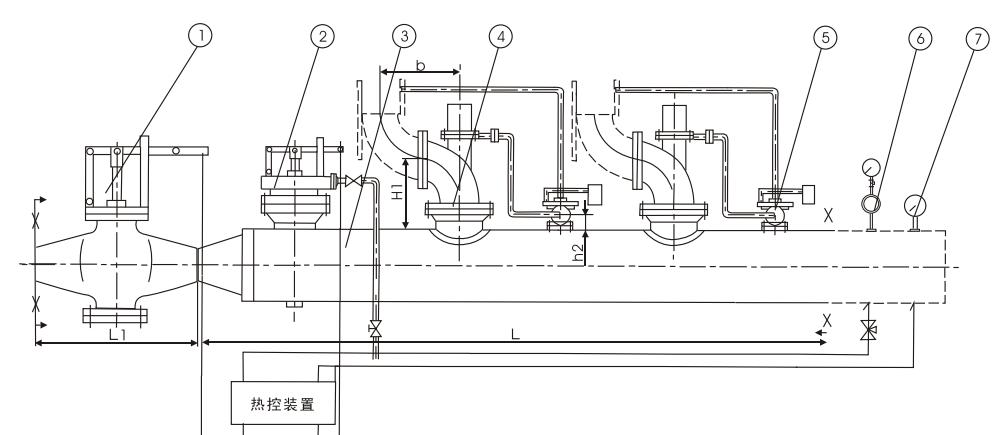
Note: Generally speaking we provide with part-turn actuator, and we can also provide with linear actuator or pneumatic or other kinds of actuator.

Other specification and size will be manufactured according to the customers' demands.

高温高压减温减压装置图示（二套冲量安全阀）

Chart of high-temperature high-voltage and release-temperature and voltage devices

序号 Item	名 称 Name
1	减压阀 Relief valve
2	可调喷咀 Adjustable nozzle
3	主管道 Main pipe
4	主安全阀 Main safety valve
5	冲量安全阀 Impulse valve
6	压力表 Pressure gauge
7	双金属温度计 Bimetal thermometer



图三

注：(1) 本厂一般提供角行程执行机构亦可提供直行程、气动或其他执行机构。

(2) 其它规格尺寸可按用户要求设计制造。

Note: Generally speaking we provide with part-turn actuator, and we can also provide with linear actuator or pneumatic or other kinds of actuator.

Other specification and size will be manufactured according to the customers' demands.

◎ 高温高压减温减压装置通用明细表

Particular sheet of high-temperature high-voltage and release-temperature and voltage devices

序号 number	流量Q (t/h) Flow	蒸汽管道 Main safety valve	减压阀 Relief valve	可调喷咀 Adjustable nozzle	外形尺寸 Dimensions							
					P ₂ =4MPa	t ₂ =450°C	h ₁	b	L ₁	L	总量(KG) Total weight	
1	30	P ₁ =10MPa t ₁ =540°C P _b =14MPa t _b =158°C	150	100 200 150 250	20	265	453	600	4085	793		
2	40		100				480	600	4310	1003		
3	50		200				567	600		1384		
4	60		150				600	4250		1400		
5	70		250	150 300 300 350	32	340	592	4535		1714		
6	80		300				625		4630	1771		
7	100		300				767			1935		
8	120		350				792	5256		2561		
9	140		200	200×2 400	50	420						
10	160		200									
11	170		225									
12	180		225									
13	190		200×2									
14	200		400									
15	220											
16	240											
序号 number	流量Q (t/h) Flow	二次参数 Secondary parameters Primary parameter	P ₂ =2.5MPa t ₂ =400°C						外形尺寸 Dimensions			
			蒸汽管道	主安全阀	减压阀	可调喷咀	h	h ₁	h ₂	b	L ₁	总量(KG) Total weight
17	30	P ₁ =10MPa t ₁ =540°C P _b =14MPa t _b =158°C	200	100 150 250 300	20 32	265	532	236	220	600	4810	1191
18	40		100								1257	
19	50		150								4935	1411
20	60		250								5035	1538
21	70		300	200 300 350 400	150 200 350 250	150	688	289	700	700	5130	1857
22	80		300								5586	2183
23	100		300								5626	2517
24	120		350								807	339
25	140		400	225 250 500	50 225 80	420			300	850	5776	2810
26	160		400								863	3473
27	170		400								6710	4297
28	180		400									
29	190		400									
30	200		400									
31	220		400									
32	240		400									

高温高压减温减压装置

High-temperature high-voltage and release-temperature and voltage devices

◎ 高温高压减温减压装置通用明细表

Particular sheet of high-temperature high-voltage and release-temperature and voltage devices

序号 number	流量Q (t/h) Flow	蒸汽管道 Main safety valve	减压阀 Relief valve	可调喷咀 Adjustable nozzle	外形尺寸 Dimensions							
					P ₂ =1.3MPa	t ₂ =300°C	h	h ₁	h ₂	b	L ₁	总量(KG) Total weight
33	30	P ₁ =10MPa t ₁ =540°C P _b =14MPa t _b =158°C	150	250 300 350 400	32	265	557	263	220	600	4935	1411
34	40		250				638				4935	1679
35	50		200				688	289	270		5410	1869
36	60		300				782	315			5536	1990
37	70		350	250 300 350 400	150	340	807	339			5606	2428
38	80		400				863				5626	2517
39	100		500				929				6560	2875
40	120		600				978	441			6710	3168
41	140		250×2	225 300 250×2 600	80	420	1087	536			7610	3771
42	160		250×2				1087	536			7770	3845
43	170		300									
44	180		300									
45	190		300									
46	200		300									
47	220		300									
48	240		300									
序号 number	流量Q (t/h) Flow	二次参数 Secondary parameters Primary parameter	P ₂ =1MPa t ₂ =300°C						外形尺寸 Dimensions			
			蒸汽管道	主安全阀	减压阀	可调喷咀	h	h ₁	h ₂	b	L ₁	总量(KG) Total weight
49	30	P ₁ =10MPa t ₁ =540°C P _b =14MPa t _b =158°C	250	200 300 350 400	32							

◎ 高温高压减温减压装置通用明细表

Particular sheet of high-temperature high-voltage and release-temperature and voltage devices

序号 number	流量Q (t/h) Flow	Secondary parameters 二次参数 Primary parameter 一次参数	P ₂ =0.4MPa t ₂ =250°C										
			蒸汽管道 Steam pipeline	主安全阀 Main safety valve	减压阀 Relief valve	可调喷咀 Adjustable nozzle	外形尺寸 Dimensions						
							h	h ₁	h ₂	b	L ₁	L	总量(KG) Total weight
81	30	P ₁ =10MPa t ₁ =540°C P _b =14MPa t _b =158°C	400 250 500	100	32	265 50	807 863	339 391	300	600	5576 6510	2225 2324	
82	40				50								
83	50												
84	60		600 250×2 150	50	340	978 441	441 300	700	7600	3244			
85	70				50								
86	80												
87	100		600 250×2 150	150	340	978 441	441 300	700	7600	3244			
88	120				50								
89	140												
90	160		600 250×2 150	150	340	978 441	441 300	700	7600	3244			
91	170				50								
92	180												
93	190		600 250×2 150	150	340	978 441	441 300	700	7600	3244			
94	200				50								
95	220												
96	240		600 250×2 150	150	340	978 441	441 300	700	7600	3244			