

• DJ961HY型向空排汽阀

主要性能规范 Main Performance Specifications

公称口径DN(mm)	公称压力PN(MPa)	工作温度(°C) working temp	适用介质 Applicable medium	连接方式 Connection method	驱动方式 Drive mode
15-150mm	10-42MPa	≤610°C	水、蒸汽、水蒸气相混合 Water, steam, water vapor	对焊连接 Butt welding	手动、电动、 气动、齿轮传动 Manual, electric, pneumatic, gear drive

概述

电站锅炉或工业锅炉上，均配备有向空排汽阀，作为锅炉启动时向空排汽，调节锅炉蒸汽温度在规定范围之内。在正常运行时，当锅炉压力、温度升高，又不希望锅炉安全门动作，采用向空排汽阀进行降压、降温。由此可见，向空排汽阀的工作条件十分恶劣，启动时往往排出的是汽水混合物，工作状态下排出的是全压状态的高温高压过热蒸汽。假如采用通用截止阀，在温差大，压差大的恶劣环境下频繁使用，阀座与阀芯就会产生裂纹或汽蚀泄漏，大大缩短阀门的使用寿命。

根据上述情况，上海电站阀门厂有限公司专门设计研制了DJ961HY型向空排汽阀，它是一种新型阀门，能承受≤540°C的高温，≤32MPa的压差，适用于过热蒸汽等场合。

特点

DJ961HY型向空排汽阀结构特点是采用介质逆流(高进低出)，具有截止与止回双重功能，阀盖与阀体连接系自密封结构，关闭时自压达到100%密封，阀门设计成大小双阀芯，解决压差大而开启难的问题。阀座与阀芯堆焊特殊合金有耐磨性与坚韧性，采用锥度密封，线状密封面，在温差大的条件下，不会变形，不易开裂。

工作原理

DJ961HY型向空排汽阀是由电动装置和向空排汽阀体两部分组成。由电动头产生轴向力，带动阀杆动作，使阀门完全开启或完全关闭(不能作调节使用)，来完成系统运行的要求。电动装置可根据用户系统上的要求或指定的厂家来配置。

Overview

Power plant boiler or industrial boiler is definitely installed with vacuum exhaust steam valve, which is used to exhaust steam and adjust boiler steam temperature within specified range in time of boiler startup. During normal operation, when the pressure and temperature of boiler increase and boiler safety door is not required to be actuated, vacuum exhaust steam valve can be used to reduce pressure and temperature. Thus it can be seen that the operating condition of vacuum exhaust steam valve is quite bad. Mixture of gas and water is usually exhausted in time of startup while what is exhausted is high temperature and pressure over heat steam under full pressure state in the operating state. If all-purpose stop valve is adopted and used frequently under bad condition of large temperature and pressure difference, valve seat and valve core will produce crack or cavitation leakage, greatly shortening the service lifetime of valve. According to the above instances, Shanghai Power Plant Valve Co., LTD Factory has specially designed and developed DJ961HY type vacuum exhaust steam valve, which is a new king of valve and can endure the high temperature no more than 540°C and pressure difference no more than 32MPa. It is applied to the occasions like over heat steam.

Features

DJ961HY type to the air discharge valve structure is characterized by the use of medium countercurrent (high into the low), with cut-off and check the dual function, the valve cover and the valve body is self-sealing structure, closed when the pressure to 100% sealed, into the size of the double spool, to solve the problem of large pressure and difficult to open. Seat and spool welding special alloy wear resistance and toughness, the use of taper seal, linear sealing surface, in the temperature difference conditions, will not be deformed, easy to crack.

Working Principle

DJ961HY type to the air exhaust valve by the electric device and the air exhaust valve body composed of two parts. By the electric head to produce axial force, driven stem action, so that the valve is fully open or completely closed (can not be used for adjustment), to complete the system operation requirements. The electric device can be configured according to the requirements of the user system or the specified manufacturer.

主要零件材料 Material Formain Parts

序号 No.	名称	材料
1	阀体 Body	20CrMoV, P91, C12A
2	支架 Yoke	WCB
3	密封材料 Sealing material	柔性石墨 Flexible graphite
4	密封面 Sealing surface	D802/D812+特殊过渡层 D802/D812+Special transition layer
5	阀瓣 Disc	12Cr1MoV, F92
6	阀杆 stem	25Cr2MoV
7	阀杆螺母 stem nut	铝青铜 Aluminum bronze

注：如有产品参数疑问请致电上海电站阀门有限公司详询，电话：021-59222288

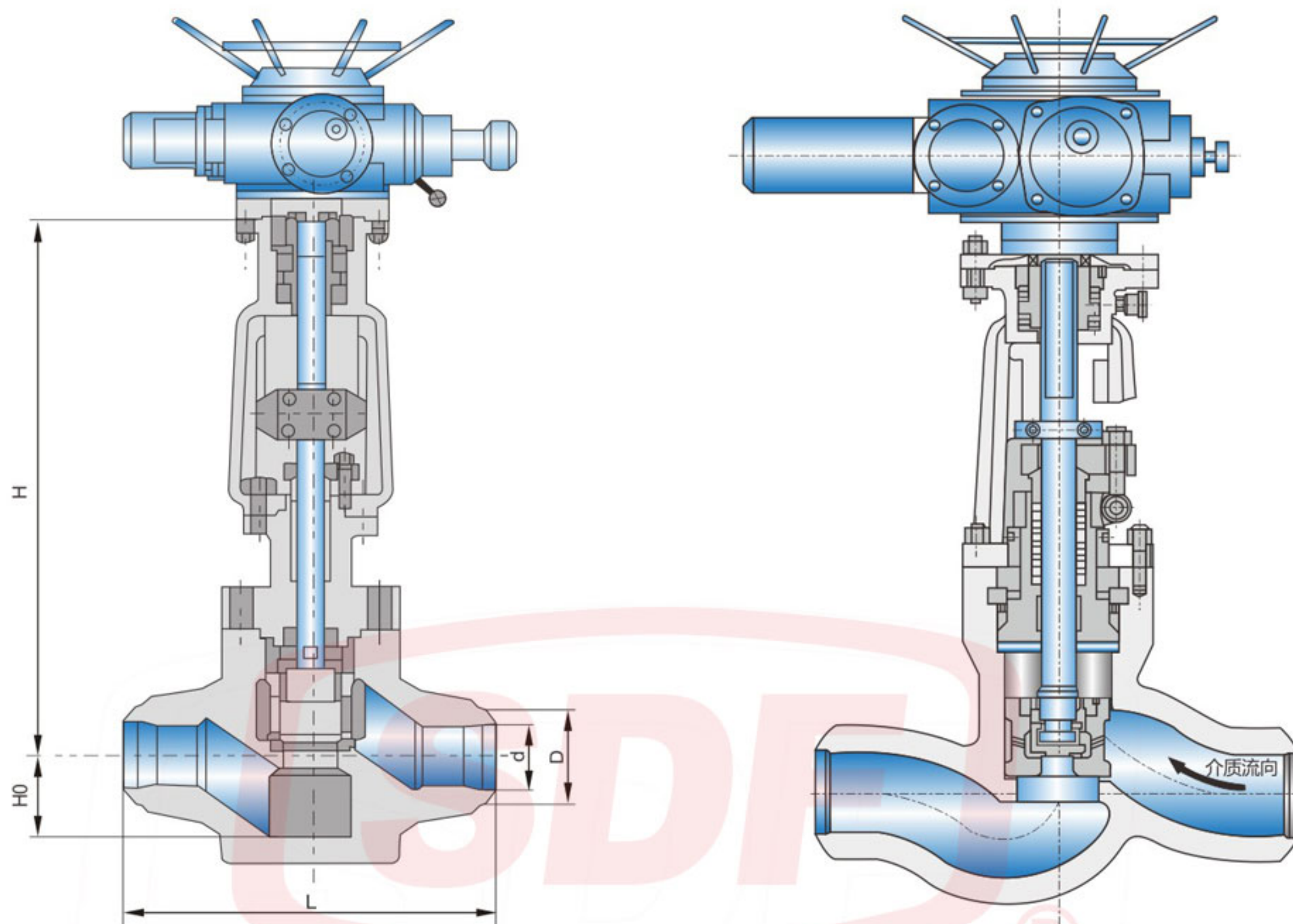
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DJ961HY Type Vacuum Exhaust Steam Valve

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DJ961HY型向空排汽阀简图

DJ961HY type to empty exhaust valve diagram



主要外形尺寸和连接尺寸 Main Dimensions And Connection Dimensions

公称通径DN(mm)	L	D1	D2	D3	α	H
DJ961HY-100, 200, 250, 320 DJ961HY-P54100V, P54140V, P54170V						
15	150	17	40	/	37.5°	518
20	170	22	46	/	37.5°	518
25	170	26	46	/	37.5°	518
32	180	31	49	/	37.5°	560
40	230	38	60	/	37.5°	545
50	320	50	90	/	32°	748
65	330	69	104	115	32°	829
80	470	84	110	140	32°	898
100	560	107	148	170	32°	913
125	660	128	168	190	32°	965
150	700	158	194	240	32°	1130

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