

# Electric Water Supply Control Valve

## • 电动给水调节阀

T968Y 系列  
T968Y Series

### 概述 Descriptions

给水调节阀又称抗气蚀、低噪声、高压差调节阀，是我厂工程技术人员为满足50~600WM火力发电机组配套而开发的新型调节阀，该系列产品经过多次的改进，不断完善，具有新颖性和先进性，先后被评为“上海市新产品奖”、“中国新技术新产品博览会”金奖、“上海市高新技术产品”，是中国电力企业联合会认可的优先推广的专利产品。

Water supply control valve, also known as anti-cavitation, low noise, high pressure differential valve, is our factory engineering and technical personnel to meet the 50~600WM supporting the development of thermal power units and the new control valve, the series of products after repeated improvements, continuous improvement, Has novelty and advanced, has been rated as "Shanghai New Product Award", "China New Technology New Products Expo" Gold Award, "Shanghai High-tech Products", China Power Enterprises Federation recognized the priority to promote the patent product.

### 用途 Use

安装在电厂锅炉给水管道上作流量调节用。  
Installed in the power plant boiler feed pipe for flow control.

### 技术规范 Specifications

公称压力: PN250~320

公称通径: DN50~300

工作温度:  $\leq 300^{\circ}\text{C}$

适用介质: 锅炉给水

连接方式: 对焊

特性曲线: 线性、等百分比

额定流量系数Kv值或额定流量: 按用户提供的实际工艺参数设计、制造

驱动方式: 电动(直行程、角行程)

Nominal pressure: PN25~32

Nominal diameter: DN50~300mm

Operating temperature:  $\leq 300^{\circ}\text{C}$

Suitable medium: boiler feed water.

Connection: Butt welding.

Characteristic curve: linear, equal percentage.

Rated flow coefficient Kv value or rated flow: According to the actual process parameters provided by the user design, manufacture.

Manipulation methods: electric (straight stroke, angular stroke).



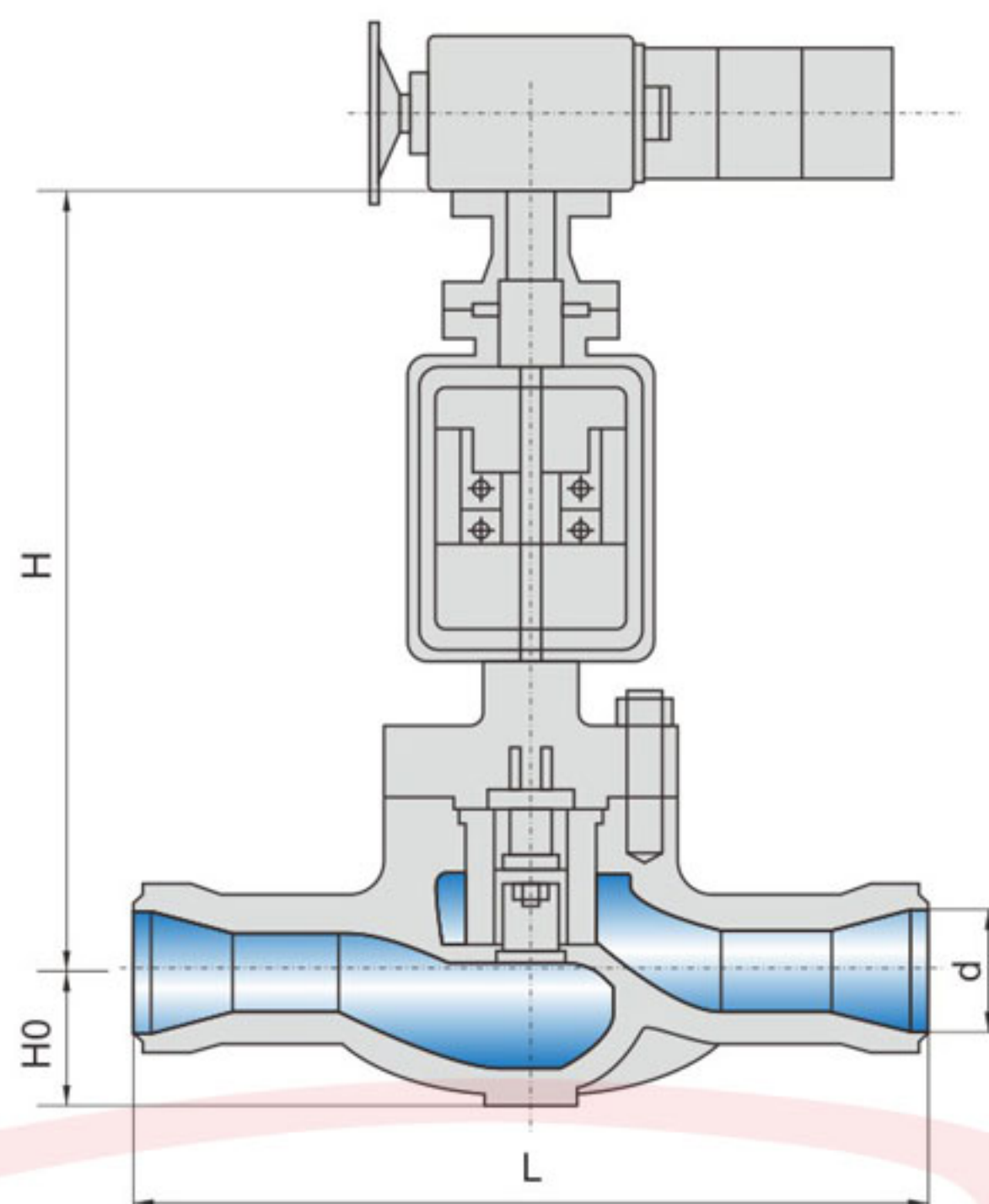
### 结构特点 Structural Features

1. 本系列产品采用完全拆装式结构，阀腔内件(包括阀座、阀芯、节流组件、密封件等)，均可从阀腔内取出，维护保养十分方便。阀体不需从管道上割下，可长期使用。
2. 阀芯为柱塞体平衡式结构，操纵力矩小，调节灵敏度高。
3. 节流组件由多孔板集流式节流环与套筒式节流套组成，且配以均流罩，因之具有小流量高压差无汽蚀、大流量调节性能好、流体排出梳流无噪音的综合特性，完全满足了锅炉给水工况的要求，有效地实现了高温、高压差流体的流量调节控制。可调性能好、调节精度高。
4. 节流环可在阀门工作行程的55%之内，实现多级减压节流。
5. 阀芯和阀座密封面堆焊司太立硬质合金，抗冲刷、耐蚀。
6. 阀门的固有流量特性曲线有两种：线性或等百分比。阀门在关闭状态下，“0”开度时，泄漏量为零。

1. This series of products with a completely removable structure, the valve cavity (including the valve seat, the valve core, throttling components, seals, etc.) can be taken out of the valve cavity, maintenance is very convenient. Valve body without cutting from the pipe, long-term use.
2. The spool is a plunger body balanced structure, low operating torque, high adjustment sensitivity.
3. Throttle assembly consists of perforated plate manifold flow restrictor and sleeve thimble, and with a flow hood, which has a small flow of high pressure differential cavitation, good performance of large flow regulation, fluid discharge comb Flow noise-free integrated features, fully meet the requirements of the boiler feed conditions, and effectively achieve high temperature, high pressure fluid flow control. Adjustable performance, high regulation accuracy.
4. The throttle ring can work within 55% of the valve stroke, to achieve multi-stage decompression throttling.
5. Spool valve seat and valve sealing surface too hard alloy Division, anti-erosion, corrosion.
6. There are two valve inherent flow characteristics: linear or equal percentage. Valve in the closed state, "0" opening, the amount of leakage is zero.

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

型号 Model	公称通径DN	d	L	H	H0
T968Y- <sup>250</sup> / <sub>320</sub> I	50	50	400	710	120
	65	65	400	710	120
	80	80	550	875	170
	100	100	500	870	150
T968Y- <sup>250</sup> / <sub>320</sub>	175	169	850	870	150
	225	223	800	1060	265
	250	250	1400	1180	265
	300	284	1400	1180	265

注：尺寸d按用户的管径参数配制，如果用户有特殊要求，可在合同中注明。

Note: The size d according to the user's diameter parameter preparation, if the user has special requirements, can be specified in the contract.

### 主要零件材料 The Main Part Material

零件名称	材料牌号	Part Name	Material grades
阀体主体	WCB, 25, 20CrMo	Body	WCB, 25, 20CrMo
阀体焊接端	25, 20	Body welding end	25, 20
阀座	2Cr13	Seat	2Cr13
阀芯	2Cr13	Spool	2Cr13
节流组件	2Cr13	Throttle components	2Cr13
阀盖	WCB, 25, 20CrMo	Cap	WCB, 25, 20CrMo
阀杆	17-4PH, 38CrMoALA	Valve stem	17-4PH, 38CrMoALA
支架	WCB	Bracket	WCB