解决流体控制难题
To Provide You With a Professional Control Valve Solution

源冠自控
CHAMPION CONTROLS

滑板式控制阀
SLIDING GATE CONTROL VALVE

上海源冠自控设备有限公司成立于2004年，生产厂址位于上海市嘉定马陆工业园区8号现代化厂房，专业生产制造滑板式控制阀、角座阀、管夹阀、球阀、蝶阀、微小流量控制阀等产品。自成立之日起，源冠自控就定位于"为用户提供专业的控制阀应用解决方案"这一目标，经过十几年的发展，源冠自控的控制阀产品已销往中国各地，部分产品已出口国外用户，目前在重工、轻工及军工行业均有源冠自控的控制阀产品在安全稳定地运行。

滑板式控制阀是上海源冠自控设备公司研发设计的专利产品，与欧美等国的同类产品达到同一先进水平，滑板式控制阀是一种高性能，高科技，仪表化、节能环保的控制阀，它控制精确稳定，外形紧凑，重量轻巧，免维护。目前源冠公司生产的滑板式控制阀产品包括：气动滑板式控制阀，电动滑板式控制阀，自力式滑板阀，高温型滑板式控制阀，低温深冷型滑板式控制阀，波纹管密封滑板式控制阀，手动滑板阀。公称通径：DN15 ~ DN600，公称压力：CLASS 150 ~ CLASS 2500，介质温度：-253℃ ~ +816℃，阀体材质：各类不锈钢及合金材料。

上海源冠自控设备有限公司始终站在用户的角度来思考如何提供最高质量的产品和最好的服务，目前公司已从设计、生产制造、选型及技术支持、售后服务等多个环节强化用户对于源冠控制阀的满意度，从第一次产品问询到现场维修服务，源冠自控已经建立起了一套完整的管理流程，确保"为用户提供专业的控制阀应用解决方案"这一核心理念得到贯彻和执行。

Shanghai Champion Controls Co., Ltd was founded in 2004, and the modern plant is located in jiading district malu Industrial park. We are specialized in the manufacture of sliding gate control valve. Since the company was founded, we are devoted to providing customers with high-quality products and efficient service. After ten years of development, control valves have been sold all over China, and some have been exported.

The national patent products "Sliding gate valve" is a high performance, high technology, Instrumented valve, because of the compact and lightweight construction, precise and stable control, easy to install and maintain, widely used in the complete plants of various industries. Nominal size: DN15 to DN600.Nominal pressure: CLASS 150 to CLASS 2500. Media temperature: -253℃ up to +816℃. Body materials: Stainless Steel, Various types of alloys.

We always stand in the user's point of view to think about how to provide high quality products and the best service. Now we focus on design, manufacture, selection and technical support, after-sales service to improve the customer's satisfaction. We have established a complete set of management processes to ensure that the core concept has been implemented and enforced.

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© 源冠自控控制阀性能测试台
© control valve test machine of champion controls

滑板阀——满足您对调节阀的最高要求
Sliding gate valve--Meet the highest requirements for control valve

在过程自动化控制系统中， 调节阀的性能不仅直接影响生产过程的自动化水平， 而且也关系到生产过程的安全、经济运行。正确地选择调节阀对于自动控制系统的安全性、稳定性、经济性和可靠性有着十分重要的作用。如果调节阀选择不当，将直接影响控制系统的性能，甚至无法实现自动控制，进而影响整个生产线的运行和用户的经济效益。经调查统计，调节阀在现场发生运行问题的事件中约80%属于选型不当造成，实践证明计算与选型相比，选型难度更大，出现的问题更多，对此应特别重视。

In the process automation, the performance of control valve not only directly affects the level of automation of production line, but also related to the safety and economy.
Correct selection of control valve plays an important role in the safety, stability, economy and reliability of the automatic control system.
Incorrect selection of control valve will directly harm the performance of the control system, and even can not achieve automatic control, then affect the normal, safe and economic operation of the whole production line and the economic benefits of users.
After investigation, 80% operation problem is caused by the incorrect selection of control valve. So compared with the calculation and selection, selection is more difficult, special attention should be paid to it.

基本特点
Basic principles of control valve

滑板式控制阀结合了传统直通单座阀与蝶阀的优点，控制平稳，克服压差大，动作灵敏，尺寸重量小，安装方便，免维护。

滑板式控制阀关闭性能优越，滑板节流件消除了传统控制阀克服差压小、阀内件更换困难、容易卡死等缺点。它能精确、快速的控制各类液体、气体与蒸汽介质的流量，它是一类独特的控制阀——更安全、更灵活、更可靠。

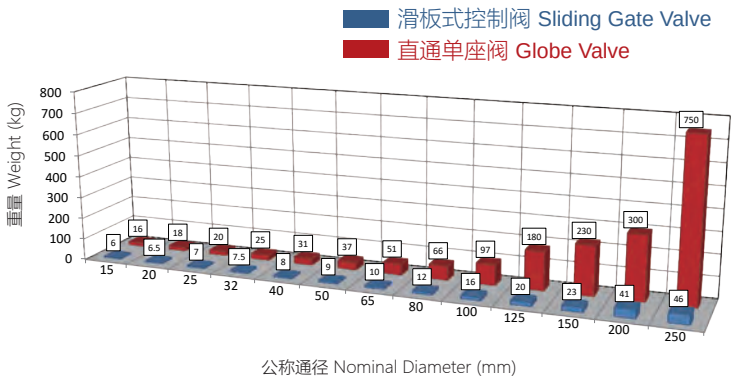
This is how easy control can be. Over 15 years ago, champion control took a new approach in control valves. We developed the sliding gate control valve: a handy, light and highly accurate valve.Sliding gate control valves control and carry out on/off functions for liquid, vapour and gaseous media with precision, speed and great effectiveness. With short installed lengths the valves need minimum space, while the short stroke provides a fast response with very low noise.

滑板阀工作原理
Structure characteristics of sliding gate valve

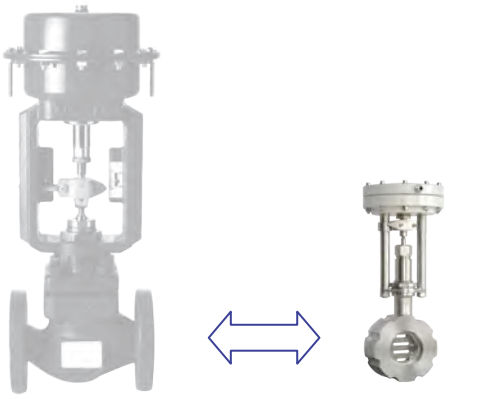
在阀体内装有两块与介质流向垂直的滑板，一块是起固定和密封作用的滑板，滑板上设计有多条节流槽；另一块具有相同节流槽结构的动滑板由阀杆驱动做往复运动，利用两块滑板节流槽位置的交错变化改变流通面积，实现对介质流量的精确调节。

The sliding gate valve controls liquid, vapor and gas precisely, quickly and economically. A sealing plate fixed in the body at right angles to the flow direction has a certain number of crossways slots of equal height. A rotationally fixed disc with the same arrangement of slots is moved at right angles to this, thereby changing the flow cross section. The prevailing differential pressure presses the moving disc against the fixed disc and seals it.

公称通径相同的控制阀重量对比
Weight contrast between a normal globe valve and a sliding gate valve



公称通径相同的控制阀外形尺寸对比
Size contrast between a normal globe valve and a sliding gate valve



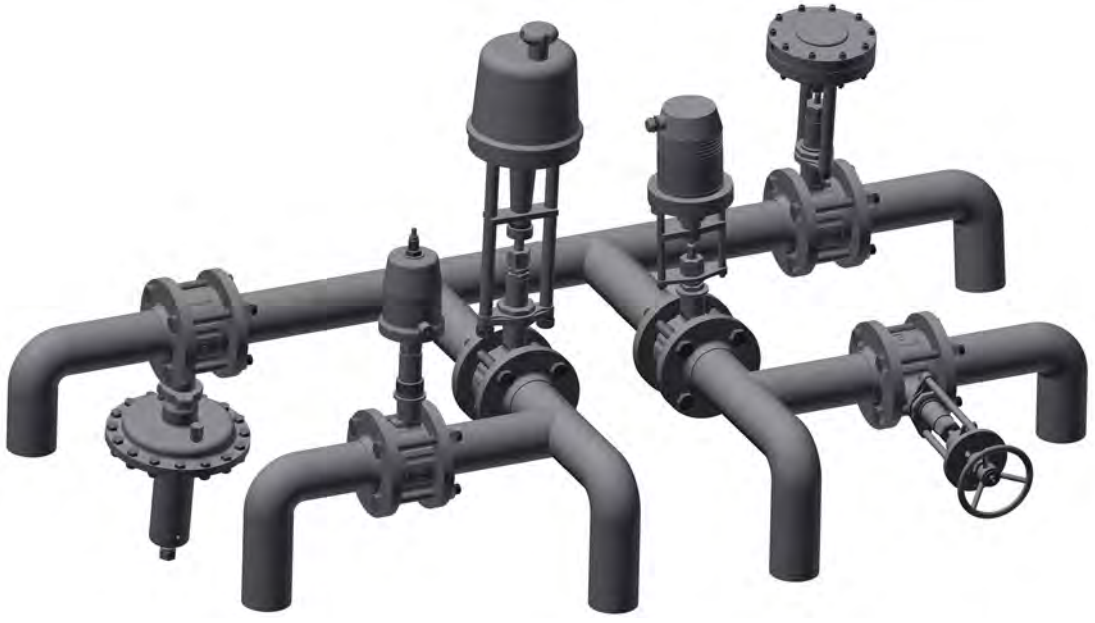
滑板阀特点之一：结构轻巧，安装省时省力（如上图）

阀体结构简单，对夹式安装，重量轻、体积小；独特的节流方式，阀芯受到的不平衡力小（只有单座阀的1/10），执行机构体积更小，节省安装空间，安装不需吊装设备，节省安装维护时间成本。

First advantage：Fits into tight spaces, Easy to install and maintain
Flangeless, wafer-type construction. Lowest possible weight, Compact construction for minimum use of space and ease of installation,

滑板式控制阀可360°安装，可最大限度利用现场安装空间。由于滑板阀的多槽分级节流作用，流体经过滑板阀后流动平稳，因此在应用过程中，流量计通常可以安装在滑板阀附近，由此测得的流量在精确度上要高得多，有效提高工艺流程的控制精度，改善了产品品质，也节省了原料。

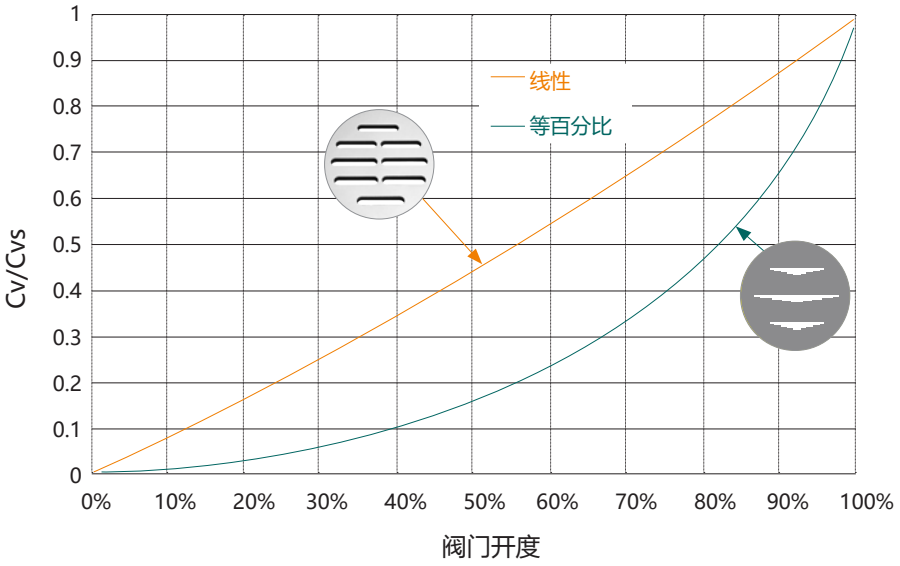
The mounting position is arbitrary, can fit into tight spaces. Fluid flows through the valve smoothly, so the flow meter can be installed next to the valve, and the flow value is accurate. It can effectively improve the control accuracy, and improve the quality of the product, but also save the raw materials.



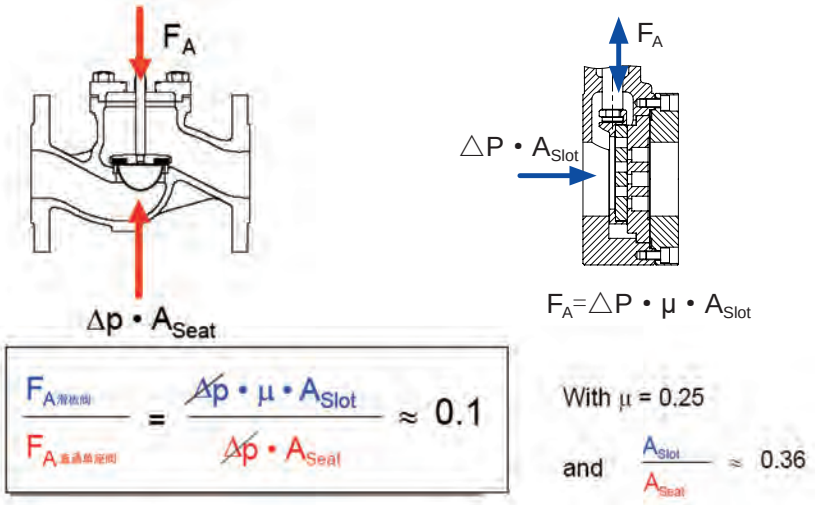
滑板阀特点之二：*可调范围大*

实际可调比线性为40：1，等百分比可达80：1，全行程开度范围均能长期稳定工作。通常使用一台滑板阀可替换传统两台直通阀的分程控制。

Second advantage：Outstanding range ability
Unbalance force of sliding gate valve is very small, actual rangeability is 40:1 and above, Control valve can be stable operation at very small opening.



执行机构驱动力对比
Comparison chart of the actuating force



滑板阀特点之三：*低能耗*

由于滑板阀只需克服摩擦力就能打开或关断，滑板阀所需的执行机构的驱动力只有传统阀的10%，滑板阀执行机构的尺寸只有传统阀的1/3，执行机构在体积和重量上都减少很多。批量使用，可大幅节约气源、电源的消耗。

Third advantage：Greatly reduced energy consumption
The outstanding feature of the sliding gate valve is the actuating force which is about just 10% of that needed to actuate a globe valve of the same nominal size and the same differential pressure. This permits the use of much smaller actuators even though both designs of the same nominal size have about the same flow rate!
Large quantities of the use of sliding gate valve can save air source and power consumption.

滑板阀特点之四：*响应速度快*

滑板阀全行程耗时：2.8S（开关只需0.2S）

传统阀全行程耗时：15S ~ 20S

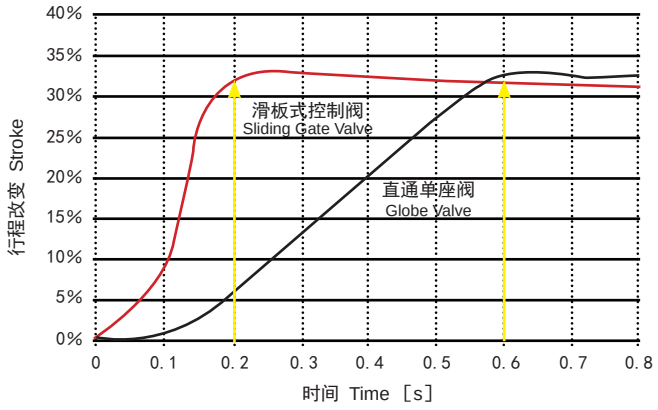
滑板阀的驱动行程短，气动执行机构容积小，对控制信号响应灵敏，克服扰动能力强，能精确快速的使被控变量达到设定值。

Fourth advantage：Less response time

Full travel time of sliding gate valve: 2.8S(On-Off only 0.2S).

Full travel time of normal globe valve: 15S-20S.

响应时间对比曲线
Response time contrast curve



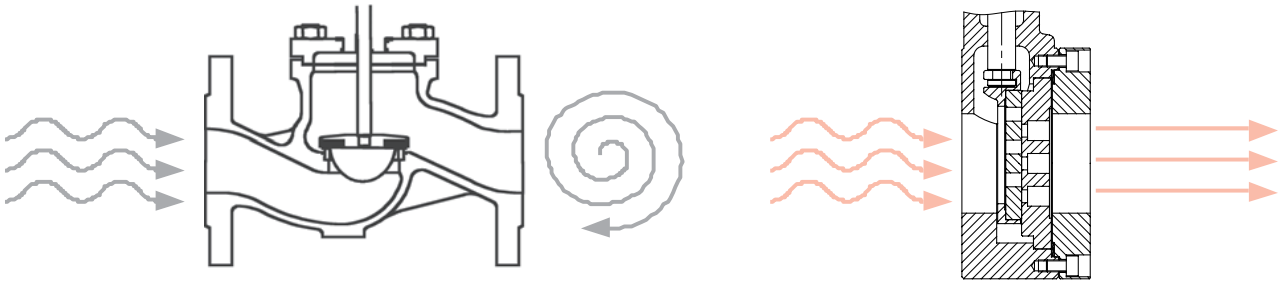
滑板阀特点之五：*Cv系数可选，降低选型风险*

根据滑板开槽位置，开槽形状，开槽大小的不同（上图所示），对应不同的流量系数及流量特性。

若现场工况所需的流量系数与选型供货有偏差，只要更换滑板组件就OK，而不需要更换整台阀。

Fifth advantage：Optional Cv value, reduce the risk of selection

Due to the location, shape and size of the slots (as shown above), the capacity and the flow characteristics are different. If the Cv value of valve does not match the actual needs, we do not need to replace the entire valve, just to replace the function unit .



滑板阀特点之六：*噪音低，磨损小*

不稳定流体冲刷磨损是造成阀内件迅速损坏老化的一个重要原因，滑板阀采用了多槽分级控制的滑板结构，有效减少湍流和流体对阀内件的冲刷，同时降低流体噪音（最大可减少15分贝噪音）。

Sixth advantage：Low noise, minimal wear

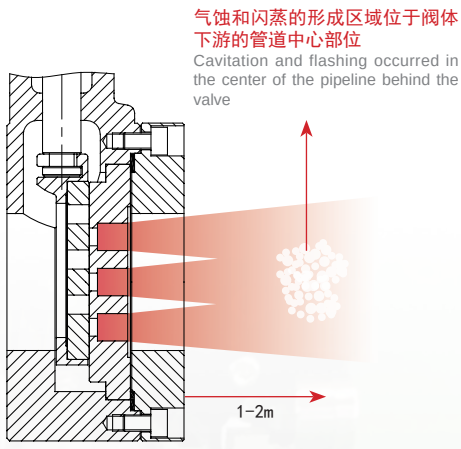
The main reason for the rapid aging of the valve is the fluid's scour and wear. Due to the multi slot control, the sliding gate valve can reduce the turbulence and the noise(max. 15 dB), then reduce the damage to the valve.

滑板阀特点之七：*不受闪蒸、气蚀影响，有效保护下游管道*

高速流体经过槽孔节流结构的滑板阀后喷射叠加，使介质的动能由于相互摩擦而转换成热能，从而有效地避免压力骤降，减少气泡的形成。另一方面，该结构使气泡的破裂发生在阀体下游的管道中心，避免对阀门和管道的直接破坏。大量实验结果以及用户的使用经验表明，气蚀和闪蒸出现在滑板阀下游1-2米处管道的中心位置，更有效地保护阀门和下游管路。

Seventh advantage：anti-cavitation、flashing、erosion

A high rate of flow through the narrowest cross section of a valve will lower the local pressure below the vapor pressure of the liquid. Vapor bubbles form which then break in the regions of higher pressure. When they come into contact with solid boundaries (valve body), the imploding bubbles can cause damage. In the case of a sliding gate valve, these dangerous cavitation zones are external, or more accurately, they are located about 1-2 m behind the valve. The cavitation bubbles then collapse around the centre of the pipeline where they can cause no harm.



气蚀和闪蒸的形成区域位于阀体下游的管道中心部位
Cavitation and flashing occurred in the center of the pipeline behind the valve

滑板阀特点之八：*密封性能佳*

Eighth advantage：*Excellent leak tightness*

- 节流元件为两块相对移动的滑板，结构简单无需维护
- 在前后压差作用下重叠密封，压差越大密封性能越好，泄漏等级优于ANSI IV 级
- 运行时滑板密封面做相互研磨，使用周期越长，密封性能越好
- 滑板的运行还能有效清除沉积物，能实现阀门的自清洁作用

- Due to pressure from the media against the sealing disc, the leakage rate is less than ANSI IV degree.
- Due to the self-lapping action of the moving disc, the longer the use cycle is , the better the sealing performance it has.
- The action of disc can remove the sediment, valve can self clean.

由以上滑板阀的性能特点可总结出滑板阀具有以下三大优势：
From the above description, it can be concluded that sliding gate valve has following three advantages:

优势一：寿命长，综合使用成本低
The first advantage: long service life

■ 阀门行程短 Short valve stroke

◆ 气动执行机构膜片拉伸变形量小，寿命延长
◆ 气动执行机构弹簧压缩变形量小，寿命延长
◆ 阀杆密封用的填料或金属波纹管变形量小，寿命延长
◆ The deformation of diaphragm in actuator is small, life extension
◆ The deformation of springs in actuator is small, life extension
◆ The deformation of seals and bellow is small, life extension

■ 驱动行程短 Short driving stroke

◆ 阀杆和阀门的机械磨损很小，故障率低，寿命延长
◆ The mechanical wear between valve and stem is small, the failure rate is very low, life extension

■ 驱动力小 Low actuating force

◆ 阀门总体磨损大大减小，寿命延长
◆ 填料磨损小，寿命延长
◆ The wear of valve is greatly reduced, life extension
◆ The wear of seals is small, life extension

■ 阀内件使用寿命长 Long service life of valve trim

◆ 硬密封材料磨损速度低，在长期使用寿命上，硬密封至少是软密封的十倍以上
◆ 气蚀、闪蒸出现在阀后1～2米的管道中心，因此不会损坏阀内件和管壁
◆ 多级节流运行，减少漩涡和湍流，大大降低流体对阀门的冲蚀现象
◆ The wear speed of hard sealing material is slow, very long service life, that exceed soft sealing material by up to ten times.
◆ The cavitation is located about 1-2m beyond the valve and in the center of the pipeline, so it will not damage the valve and pipeline.
◆ The fluid flows through a certain number of crossways slots, can reduce the erosion of the valve.

优势二：阀门控制可靠性高，选型风险小

The second advantage: Outstanding control performance, small selection risk

◆ 控制精度高。滑板式控制阀驱动力小，行程短，可调比高，具有极高的控制精度。能精确控制介质的流量、液位、压力和温度等参数，严格保证生产工艺的要求。

◆ 响应速度快。滑板式控制阀不平衡力小，行程短，执行机构能根据控制信号迅速地做出响应，在极快的时间内完成调节动作，全行程时间小于2.8 秒。

◆ High control accuracy. The low unbalance force, short stroke, outstanding range ability, high control accuracy, precise control of flow, level, pressure, temperature, and strictly ensure the requirements of production process.

◆ Quick response. Because of the low unbalance force and short stroke, sliding gate valves are significantly faster than conventional control valves. Full stroke time is less than 2.8s.

◆ 只需更换滑板组件就可以调整：

→流量特性（线性，等百分比）

→流量系数（Cv 值）

→安全功能（常开/常闭，故障开/故障关）

◆ By replacing the functional unit can adjust the following:

→Flow characteristic (Linear/Equal percentage)

→Capacity (Cv-Values)

→Fail position (Open/Closed)

◆ 占用安装空间小，便于调整安装位置

◆ Compact construction for minimum use of space and ease of installation

优势三：交货期快，维护成本低

The third advantage: Fast delivery

◆ 滑板阀采用模块化设计，大幅减少用户的备品备件更换，维护成本低

◆ Modular design, greatly reducing the user's spare parts replacement, low maintenance costs.

◆ 滑板阀精巧合理的设计，既能保证极高的尺寸和公差精度，又降低了加工难度，交货期也随之缩短。

◆ Compact and rational designs, ensure the high precision, and greatly reduce the processing difficulty, also will shorten the delivery time.

滑板阀交货期 Delivery time of sliding gate valve	单座阀交货期 Delivery time of globe valve	
	铸造 cast	锻造 forged
4 ~ 6 周 4~6 weeks	2 ~ 3 个月 2~3 months	4 ~ 6 个月 4~6 months

气动薄膜式滑板阀技术规格
Technical information of pneumatic valve

公称通径 Nominal size	DN15~DN600（1/2″~24″）
公称压力 Nominal pressure	PN16~PN420；CLASS 150~CLASS 2500
阀体材质 Body materials	CF8、CF8M、CF3、CF3M、各类合金 CF8、CF8M、CF3、CF3M、Various types of alloys
工作温度 Media temperature	-253℃ ~+816℃
阀内件材质 Trim materials	316SST、沉淀硬化不锈钢、硬质合金、碳化钨、陶瓷 316SST, precipitation hardening stainless steel, carbide alloy, tungsten carbide, ceramic
流量特性 Flow characteristic	线性、等百分比 Linear, equal percentage
可调比 Rangeability	线性 40:1 / 等百分比 80:1 40:1 / 80:1 (the actual)
泄漏等级 Leakage level	ANSI CLASS IV
连接方式 Connection	对夹式连接：DN15~DN600（法兰标准：DIN EN 1092,ASME B16.5） Flangeless, wafer-type construction:DN15~DN600 acc. DIN EN 1092, ASME B16.5 NPT 内螺纹连接：DN15~DN25（可选） NPT thread: DN15~DN25（optional） 焊接连接：DN15~DN250（可选） Welding ends: DN15~DN250（optional）
填料 Packing	PTFE 填充碳纤维、石墨 PTFE(Carbon filled) , Graphite
Cv 值 Cv-values	0.02~6140
可选项 Options	波纹管密封； 各类智能阀门定位器、电气阀门定位器、电磁阀、限位开关、手轮 bellows seal, smart valve positioner, Electric positioner, solenoid valve, limit switches, hand wheel

电动式滑板阀技术规格
Technical information of motor valve

公称通径 Nominal size	DN15~DN600（1/2"~24"）
公称压力 Nominal pressure	PN16~PN420；CLASS 150~CLASS 2500
阀体材质 Body materials	CF8、CF8M、CF3、CF3M、各类合金 CF8、CF8M、CF3、CF3M、Various types of alloys
工作温度 Media temperature	-253℃ ~+816℃
阀内件材质 Trim materials	316SST、沉淀硬化不锈钢、硬质合金、碳化钨、陶瓷 316SST, precipitation hardening stainless steel, carbide alloy, tungsten carbide, ceramic
流量特性 Flow characteristic	线性、等百分比 Linear, equal percentage
可调比 Rangeability	线性 40:1 / 等百分比 80:1 40:1 / 80:1 (the actual)
泄漏等级 Leakage level	ANSI CLASS IV
连接方式 Connection	对夹式连接：DN15~DN600（法兰标准：DIN EN 1092,ASME B16.5） Flangeless, wafer-type construction:DN15~DN600 acc. DIN EN 1092, ASME B16.5 NPT 内螺纹连接：DN15~DN25（可选） NPT thread: DN15~DN25（optional） 焊接连接：DN15~DN250（可选） Welding ends: DN15~DN250（optional）
填料 Packing	PTFE 填充碳纤维、石墨 PTFE(Carbon filled) , Graphite
Cv 值 Cv-values	0.02~6140
可选项 Options	波纹管密封； 各类隔爆型、智能型、精小型、断电复位型电动执行机构 bellows seal, Various types of explosion-proof, intelligent, spring reset electric actuator

自力式滑板阀技术规格
Technical information of pressure regulator

公称通径 Nominal size	DN15~DN250（1/2″~10″）
公称压力 Nominal pressure	PN40，ANSI CLASS 300
阀体材质 Body materials	CF8、CF8M、CF3、CF3M、各类合金 CF8、CF8M、CF3、CF3M、Various types of alloys
工作温度 Media temperature	-60℃ ~+230℃
阀内件材质 Trim materials	316SST、沉淀硬化不锈钢、硬质合金、碳化钨 316SST, precipitation hardening stainless steel, carbide alloy, tungsten carbide, ceramic
流量特性 Flow characteristic	线性、等百分比 Linear, equal percentage
可调比 Rangeability	线性 40:1 / 等百分比 80:1 40:1 / 80:1 (the actual)
泄漏等级 Leakage level	ANSI CLASS IV
连接方式 Connection	夹持式连接 法兰标准：DIN EN 1092 、ASME B16.5 Flangeless, wafer-type construction acc. DIN EN 1092, ASME B16.5
填料 Packing	PTFE 填充碳纤维、石墨 PTFE(Carbon filled) , Graphite
Cv 值 Cv-values	0.02~1056
调压范围 Options	减压阀：0.5~20bar、稳压阀：0.5~20bar Pressure regulator:0.5 to 20bar, Over flow:0.5 to 20bar

手动式滑板阀技术规格
Technical information of manual valve

公称通径 Nominal size	DN15~DN600（1/2″~24″）
公称压力 Nominal pressure	PN16~PN420；CLASS 150~CLASS 2500
阀体材质 Body materials	CF8、CF8M、CF3、CF3M、各类合金 CF8、CF8M、CF3、CF3M、Various types of alloys
工作温度 Media temperature	-253℃ ~+816℃
阀内件材质 Trim materials	316SST、沉淀硬化不锈钢、硬质合金、碳化钨 316SST, precipitation hardening stainless steel, carbide alloy, tungsten carbide
流量特性 Flow characteristic	线性、等百分比 Linear, equal percentage
可调比 Rangeability	线性 40:1 / 等百分比 80:1 40:1 / 80:1 (the actual)
泄漏等级 Leakage level	ANSI CLASS IV
连接方式 Connection	对夹式连接：DN15~DN600（法兰标准：DIN EN 1092,ASME B16.5） Flangeless, wafer-type construction:DN15~DN600 acc. DIN EN 1092, ASME B16.5 NPT 内螺纹连接：DN15~DN25（可选） NPT thread: DN15~DN25（optional） 焊接连接：DN15~DN250（可选） Welding ends: DN15~DN250（optional）
填料 Packing	PTFE 填充碳纤维、石墨 PTFE(Carbon filled) , Graphite
Cv 值 Cv-values	0.02~6140
可选项 Options	波纹管密封 bellows seal
执行机构 Actuator	顶装手轮 hand wheel

· 滑板式控制阀流量系数Cv值表
Cv-Values

公称通径	压力恢复系数	流量特性	流量系数												
DN15	0.87	线性	4.6	3	2	1.6	-	0.82	0.57	0.51	0.3	0.16	0.09	0.05	0.02
	0.81	等百分比	2	-	1.3	-	-	-	-	-	0.12	-	-	-	-
DN20	0.87	线性	7.4	-	-	-	-	1.16	-	-	-	-	0.15	-	-
	0.74	等百分比	3.5	-	-	-	-	-	-	-	-	-	-	-	-
DN25	0.90	线性	13	7.4	4.6	-	-	1.9	-	1.08	0.72	0.3	-	0.16	0.05
	0.86	等百分比	5.8	-	2.8	-	1.3	-	-	-	-	-	-	-	-
DN32	0.76	线性	19	12	-	-	-								
	0.87	等百分比	9.3	-	-	-	-								
DN40	0.88	线性	30	19	13	8.1	-								
	0.82	等百分比	13	9.9	-	3.2	-								
DN50	0.87	线性	52	32	23	14	12								
	0.82	等百分比	22	14	-	-	-								
DN65	0.83	线性	60	41	-	17									
	0.68	等百分比	35	-	-	9.3									
DN80	0.73	线性	107	67	46										
	0.74	等百分比	56	41	-										
DN100	0.84	线性	179	110	72										
	0.87	等百分比	89	56	-										
DN125	0.87	线性	275	-	110										
	0.85	等百分比	135	-	-										
DN150	0.80	线性	392	246											
	0.85	等百分比	171	104											
DN200	0.85	线性	650	408											
DN250	0.85	线性	1056	-											

- $K_V=C_V \times 0.862$
- F_L：压力恢复系数
- X_T：临界压差比
  $X_T=0.64F_L^2$
- K：流阻系数
  $K=0.0016\frac{d^4}{K_v^2}$
  d：阀门通径mm

· 允许压差表
Admissible Differential Pressures

气动滑板阀允许压差表

执行机构	D125		D250		D500		D1000	
弹簧范围 (bar)	0.2-1.0	1.5-3.0	1.2-2.2	1.7-3.2	1.2-2.2	1.7-3.2	1.2-2.2	1.7-3.2
公称通径	最大克服压差（bar）							
DN15	33	99	99	99	-	-	-	-
DN20	18	99	99	99	-	-	-	-
DN25	12	88	99	99	-	-	-	-
DN32	9	68	91	99	-	-	-	-
DN40	6	49	65	97	-	-	-	-
DN50	5	37	49	73	98	99	-	-
DN65	-	24	31	47	63	94	-	-
DN80	-	16	22	33	43	65	-	-
DN100	-	11	15	22	30	45	52	52
DN125	-	-	10	15	20	29	39	42
DN150	-	-	7	10	14	20	27	30
DN200	-	-	-	-	9	13	17	18
DN250	-	-	-	-	6	8	11	12

电动滑板阀允许压差表

执行机构推力 (KN)	0.60	0.80	1.00	1.60	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00	16.00	25.00
公称通径	最大克服压差（bar）													
DN15	79	99	99	-	-	-	-	-	-	-	-	-	-	-
DN20	44	59	74	99	-	-	-	-	-	-	-	-	-	-
DN25	28	37	47	75	94	99	-	-	-	-	-	-	-	-
DN32	22	29	36	58	73	91	99	-	-	-	-	-	-	-
DN40	16	21	26	42	52	65	78	99	-	-	-	-	-	-
DN50	12	16	20	31	39	49	59	78	98	99	-	-	-	-
DN65	8	10	13	20	25	31	38	50	63	75	99	99	-	-
DN80	5	7	9	14	17	22	26	35	43	52	69	76	76	-
DN100	4	5	6	10	12	15	18	24	30	36	48	52	52	52
DN125	-	-	4	6	8	10	12	16	20	24	31	39	42	42
DN150	-	-	-	4	5	7	8	11	14	16	22	27	30	30
DN200	-	-	-	-	-	4	5	7	9	10	14	17	18	18
DN250	-	-	-	-	-	-	-	5	6	7	9	11	12	12

* 注：
1、最大允许压差值不应超过阀门公称压力值
2、高压阀及口径大于 DN250 的滑板阀允许压差值请咨询工厂

国家专利产品——滑板式控制阀

National patent product - Sliding gate control valve

（气动、电动、自力式、手动全系列控制阀）

(pneumatic / motor / self-operated / manual control valve)

滑板式控制阀行业应用
Industry Application Of Sliding Gate Valve

滑板式控制阀已被广泛应用于国内外石油天然气、石化、LNG、LPG、化工、冶金钢铁、发电、多晶硅、煤化工、氯碱、化肥、空分及气体工业、食品和饮料、生物制药、日化、纺织印染、橡胶轮胎、造纸、烟草、环保、水处理、军工、造船、压缩机、汽轮机锅炉、真空设备、工业炉、内燃机测试台、换热器、杀菌设备等行业。

Sliding gate valve has been widely used in Oil and gas, Petrochemical, LNG/LPG, Chemical, Polysilicon, Coal chemical, Chlor-Alkali, Fertilizer, Air separation and gas, Iron and steel, Non-ferrous metals, Mining, Power, Food & Beverage, Wine, Edible Oil, Sugar, Pharmaceutical, Cosmetic, Textile dyeing and treatment, Tire production, Rubber/plastics production, Wire and cable, Paper, Tobacco, Building materials, Environmental protection, Water treatment, Military, Shipbuilding, Compressor, Turbine, Vacuum equipment, Industrial furnace, Internal combustion engine test bench, Pump and fan test bench, Fire and cleaning equipment, Heating and cooling equipment, Sterilization equipment, Laboratory simulation device and various types of equipment manufacturing industry world widely.

· 滑板阀现场应用
The Application Of Sliding Gate Control Valve


轮胎厂冷却水控制


钢铁厂主蒸汽管线流量调节

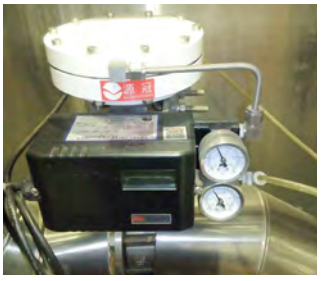

石化厂蒸汽压力控制


饮料厂微小流量CO_2调节


生物制药氮气/氧气控制


压缩机润滑油压力控制


化纤厂蒸汽调节


啤酒厂蒸汽压力控制


钢铁厂金属锡液流量控制


钢铁厂氧气管线流量控制