

V-Type Control Ball Valve

This V-type ball valve is designed with a special V-shaped notch for accurate throttling and control functions. It is suitable for controlling suspensions containing fibrous or small solid particles and solid granular matter.

>用途

此V型控制球阀采用特殊V形切口设计，可实现精确的节流和控制功能。其特殊的V形切口设计，使其适用于控制含有纤维状或微小固体颗粒的悬浮液，以及固体颗粒状物料。该阀门广泛应用于石油、化工、冶金、电力、轻工、医药、食品等行业，是控制流体流量和压力的理想选择。

>技术参数

参数名称	单位	范围/值
公称直径 (DN)	mm	15 - 500
工作压力 (MPa)	MPa	1.6 - 6.4
操作温度 (°C)	°C	-40 - 300
流量特性		近似等百分比
旋转角度 (°)	°	90
连接形式		法兰、螺纹、焊接
阀体材料		碳钢、不锈钢、合金钢、铜合金
球体材料		碳钢、不锈钢、合金钢、铜合金
密封材料		聚四氟乙烯、石墨、橡胶
执行机构		气动、电动、液动
控制信号		4-20mA, 220VAC, 24VDC
泄漏量		符合 GB/T 4213-92 标准
阀体长度		符合 GB/T 12221-2005 标准
法兰连接		符合 GB/T 9113.1-2000 标准

Overview

High-Performance V-Type Control Valve

The V-Type Control Ball Valve is a high-level control valve featuring a right-angle rotary structure. Its specialized V-shaped notch design provides accurate throttling and control functions with a large rated flow coefficient and high adjustability. Engineered for durability, this valve is ideal for controlling suspensions containing fibrous or small solid particles, making it suitable for demanding industrial applications.

Key Metrics

Performance Highlights

300 °C

Max Temperature

6.4 MPa

Max Pressure

14500

Max Flow Coefficient (Cv)

Technical Specifications

Nominal Diameter (DN)	15 - 500
Operating Temperature	-40 to 300 °C
Nominal Pressure	1.6 - 6.4 MPa
Flow Characteristics	Approximate equal percentage
Rotation Angle	90 °

Power and Control

Power Source Options	Pneumatic (0.4-0.8MPa), Electric (220VAC)
Control Signals	4-20mA, 220VAC, 24VDC

Compliance and Standards

Execution Standards

Standard Type	Reference
Leakage Quantity	GB/T4213-92
Valve Diameter	GB/T12237-2005
Valve Body Length	GB/T12221-2005
Flange Connection	GB/T9113.1-2000

Applications

Suitable Industries

Paper Making • Petrochemicals • Metallurgy • Sugar Making • Electric Power • Water Conservancy • Environmental Protection • Pharmaceuticals