

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

本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。

>技术参数

参数名称	单位	15	20	25	32	40	50	65	80	100	125	150	200	250	300	400	500	
公称通径 (DN)		15	20	25	32	40	50	65	80	100	125	150	200	250	300	400	500	
公称压力 (MPa)		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
工作压力 (MPa)		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
工作温度 (°C)		-40 ~ 300																
流量特性		近似等百分数																
旋转角度 (°)		90																
连接形式		法兰、焊接、螺纹																
密封材料		PTFE、O型圈																
执行机构		气动、电动																
阀体材料		铸钢、不锈钢																
阀球材料		铸钢、不锈钢																
阀座材料		PTFE、O型圈																
适用介质		水、油、气、浆料、颗粒																
适用场合		化工、石油、冶金、电力、制药																
认证标准		ISO 9001, CE, API 607																
执行标准		GB/T 12237-2005, GB/T 12221-2005, GB/T 9113.1-2000																

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