

V-Port Ceramic Ball Control Valve

The V-port ceramic ball control valve is engineered with ceramic internal parts, offering exceptional wear resistance. It is widely used for both on/off operations and precise throttling control in corrosive environments containing abrasive materials.



ADDITIONAL IMAGES



Product Overview

Precision Ceramic Flow Control

The V-Port Ceramic Ball Control Valve is engineered for high-performance throttling and open-close functionality in extremely harsh industrial environments. Utilizing advanced engineering ceramics with a hardness exceeding HRC80, this valve provides superior protection against abrasion and corrosion from solids and slurries. Its floating ball design ensures reliable sealing through differential pressure, making it an ideal choice for critical applications in mining, power generation, and chemical processing.

Technical Specifications

Operating Options

- Manual
- Pneumatic
- Electric
- Hydraulic

Nominal Pressure	1.0 MPa, Class 150
Size Range	DN50 to DN200 (NPS2 to NPS8)
Maximum Temperature	200
Flange Standards	ASME B16.5, GB/T9113

Performance

Ceramic Hardness

80 HRC

Minimum Hardness

Design Advantages

- Floating ball design for tight sealing
- V-port design for accurate throttling
- High wear and corrosion resistance
- Customizable actuation

Applications

Typical Media Applications

Silicon Powder, Alumina Powder, Dry Coal Powder, Limestone Slurry, Gypsum Slurry, Fly Ash, Mining Ore, Metallurgical Dust