

Adjustable Zirconium Ceramic Ball Valve

This adjustable ball valve features internal parts made of durable engineering ceramics for enhanced wear resistance. It is widely used for on/off functionality and throttling control in corrosive environments containing abrasive solids.



ADDITIONAL IMAGES



Product Overview

High-Performance Ceramic Control Valve

This adjustable zirconium ceramic ball valve is engineered for demanding industrial environments requiring superior wear and corrosion resistance. Utilizing advanced engineering ceramics with hardness exceeding HRC80, it provides exceptional durability against abrasive solids and corrosive media. The floating ball design ensures reliable sealing under differential pressure, making it an ideal solution for precise flow control and shut-off tasks in aggressive process applications.

Technical Specifications

Nominal Pressure	1.0 MPa, Class 150
Size Range	DN50 to DN200 (NPS 2 to NPS 8)
Connection Type	Flange
Max Working Temperature	200
Sealing Surface Material	Engineering Ceramic
Operating Types	Manual, Pneumatic, Electric, Hydraulic

Compliance & Standards

Standards Compliance

Category	Standards
Flange Ends	ASME B16.5, GB/T9113
Pressure Test	GB/T13927, API598
Face to Face	GB/T12221, API609

Application Suitability

Suitable Media & Applications

- Silicon Powder
- Alumina Powder
- Dry Coal Powder
- Limestone Slurry
- Gypsum Slurry
- Plaster
- Fly Ash
- Mining Ore
- Coal Powder Injection
- Metallurgical Dust
- Thermal Power Plant FGD
- LiCoO₂ Powder

Key Features

Ceramic Hardness

80 HRC

Hardness