

Pneumatic Zirconia Ceramic Ball Valve

This pneumatic ball valve features a zirconia ceramic ball, offering exceptional wear resistance. It is widely used for on/off and throttling control in corrosive media with abrasive solids.



ADDITIONAL IMAGES



Product Overview

High Performance Ceramic Ball Valve

This pneumatic zirconia ceramic ball valve is engineered for superior wear and corrosion resistance, making it an ideal solution for handling abrasive solids and corrosive media. Featuring a floating ball design, it ensures tight sealing under differential pressure, while the high-hardness ceramic components extend service life in demanding environments. It supports versatile actuation options, including manual, pneumatic, and electric configurations, suitable for critical industrial processes.

Technical Specifications

Size Range	DN50 to DN200 (NPS 2 to NPS 8)
Nominal Pressure	1.0 MPa / Class 150
Max Working Temperature	200 °C
Connection Type	Flange
Flange Standards	ASME B16.5, GB/T9113
Testing Standards	GB/T13927, API598
Face to Face Standards	GB/T12221, API609

Key Features

Ceramic Hardness

80 HRC

Hardness

Actuation Options

Manual • Pneumatic • Electric • Hydraulic

Design Features

- Floating ball design
- Superior corrosion resistance
- Abrasion-resistant internal parts
- Optional V-type control valve configuration

Applications

Suitable Media

- 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