Pneumatic Ceramic Ball Valve with Flanged Connection

This ceramic ball valve is equipped with a pneumatic actuator for automated operation and a flanged connection for secure installation. Its ceramic ball and seat provide exceptional wear and corrosion resistance.

ADDITIONAL IMAGES

Overview

High-Performance Ceramic Ball Valve

Engineered with advanced ceramics, this pneumatic ball valve provides exceptional wear and corrosion resistance for demanding industrial environments. It is designed to handle abrasive solids and corrosive media, offering reliable open/close functions and precise throttling control. The floating ball design ensures a tight seal under differential pressure, making it an ideal solution for challenging applications in mining, power generation, and chemical processing.

Technical Specifications

Size Range	DN50 to DN200 (NPS2 to NPS8)
Nominal Pressure	1.0 MPa / Class 150
Max Working Temperature	200 °C
Connection Type	Flanged
Flange Standards	ASME B16.5, GB/T9113
Operating Types	Manual, Pneumatic, Electric

Material & Design

Key Design Features

- Floating ball design for tight sealing
- Superior wear resistance
- Excellent chemical inertness
- Customizable V-type control option

Sealing Surface Material	Engineering Ceramic
Ceramic Hardness	> HRC80

Compliance & Standards

Testing Standards	GB/T13927, API598
Face to Face Standards	GB/T12221, API609

Applications

Suitable Media

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