

Ceramic Lined Composite Ball Valve with O Port

FR
FREE-VALVE



This ceramic-lined composite ball valve features an O port for enhanced abrasion resistance. The valve is suitable for corrosive media with abrasive solids, providing reliable shutoff and precise flow control.

ADDITIONAL IMAGES



Overview

High-Performance Ceramic Lined Ball Valve

This O Port Ceramic Lined Composite Ball Valve is engineered for superior wear and corrosion resistance in demanding industrial environments. Utilizing advanced engineering ceramics with hardness exceeding HRC80, it provides exceptional durability when handling abrasive solids and corrosive media. The floating ball design ensures reliable sealing against downstream seats, making it an ideal choice for both open/close functions and throttling control tasks.

Technical Specifications

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

Design & Materials

Ceramic Hardness

80 HRC

Minimum Hardness

Available Actuation

- Manual Lever
- Gear Box
- Pneumatic Actuator
- Electric Actuator
- Hydraulic Actuator

Sealing Surface Material

Engineering Ceramic

Applications

Suitable Media & Applications

Silicon Powder, Alumina Powder, Dry Coal Powder, Limestone Slurry, Gypsum Slurry, Fly Ash, Mining Ore, Metallurgical Dust, LiCoO₂ Powder