

Pneumatic Ceramic Swing Gate Valve for Abrasive Materials

This pneumatic ceramic swing gate valve is designed for pressurized and vacuum systems. The ceramic sealing faces are ground and polished to ensure reliable sealing performance.



ADDITIONAL IMAGES



Product Overview

Industrial Performance for Abrasive Media

This pneumatic ceramic swing gate valve is engineered specifically for handling abrasive materials in demanding industrial environments. Featuring toughened engineering ceramic sealing faces, it offers exceptional abrasion resistance and an extended service life compared to standard valves. The unique swing gate design prevents ash deposition and material accumulation, ensuring reliable operation even in challenging conditions like steel plants, cement transport, and power generation systems.

Technical Specifications

Operating Temperature

0 °C

Min Temp

200 °C

Max Temp

Operating Mode

Pneumatic

Size Range

NPS4 to NPS12 / DN100 to DN300

Pressure Range

Class 150, PN6, PN10

Connection Type

Flange

Design & Construction

Key Design Advantages

- Cylinder piston rod isolated from media for longer life
- Rotational disc motion prevents ash deposition
- Slant structure outlet prevents material accumulation
- Floating spring connection for automatic wear compensation and thermal expansion

Sealing Material

Toughened Engineering Ceramics

Compliance & Standards

Industry Standards

Category	Standard
Pressure Test	GB/T13927, API598
Face to Face	GB/T12221, API609
Valve Body	GB/T12224, ASME B16.34

Applications

Suitable Industries

Steel Plants, Cereals Transport, Cement Transport, Coal Fired Power Plants