Pneumatic Ceramic Double Disc Gate Valve

This pneumatic ceramic double disc gate valve is designed for feeding and dumping dry powder in transport pipelines. It utilizes toughened ceramic for shut-off and wear resistance, incorporating pressure self-sealing and valve disc auto-rotation to enhance sealing surface durability during frequent operation.

ADDITIONAL IMAGES

Product Overview

High-Performance Ceramic Gate Valve

This pneumatic ceramic double disc gate valve is engineered for demanding industrial environments involving the transport of dry powders. Featuring toughened structural ceramics for superior wear resistance, the valve utilizes a pressure self-sealing design and auto-rotating discs to prevent dust clogging and ensure long-term sealing integrity. It is an ideal solution for power plants, cement facilities, and mineral processing applications requiring reliable shut-off performance.

Technical Specifications

Operating Temperature

0 °C	200 °C
Min Temp	Max Temp

Flange Standards

- ASME B16.5
- GB/T9113

Size Range	NPS4 - NPS12 / DN100 - DN300
Pressure Rating	Class 150, PN6, PN10
Connection Type	Flange
Sealing Material	Engineering Ceramics

Design & Features

Operating Modes

Pneumatic • Manual

Key Design Features

- Structural ceramic sealing pair for wear and flushing resistance
- Double disc structure for two-side sealing
- Spring-loaded bi-directional flexible preload
- Auto-rotating disc to prevent ash deposition
- Optional blow sweep port for cleaning

Compliance & Standards

Standards Compliance

Standard Type	Reference
Pressure Test	GB/T13927, API598
Face to Face	GB/T12221, API609

Applications

Primary Applications

- Power plant ash handling systems
- Cement industry (dry powder conveying and dumping)
- Dressing works (dry powder material selection and conveying)