

Ceramic Lined Knife Gate Valve

This ceramic knife gate valve is designed to cut off media containing solid particles and fibers. The valve's ceramic lining makes it suitable for erosive mediums containing hard solid particles.



ADDITIONAL IMAGES



Product Overview

Engineered for Abrasive Media

Designed specifically for demanding industrial environments, these ceramic-lined knife gate valves excel in handling slurries, fibers, and hard solid particles that quickly degrade standard metal valves. The robust ceramic sealing surface ensures exceptional abrasion resistance and extended service life, significantly reducing maintenance requirements. Its compact, lightweight structure allows for easy installation while preventing material accumulation and sticking, making it an ideal solution for mining, power plants, and paper processing systems.

Technical Specifications

Connection Types

Flange • Wafer

Body Material Options

- WCB
- CF8
- CF8M
- CF3M

Size Range

NPS 2 to NPS 24 / DN 50 to DN 600

Pressure Range

Class 150, PN6, PN10

Temperature Range

200 °C

Performance & Design

Key Design Features

- Short structure length for space efficiency
- Single seat design to prevent sticking
- High-abrasion resistance ceramic sealing surface

Operating Modes

Manual, Electric, Pneumatic

Compliance & Standards

Compliance Standards

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

Applications

Suitable Applications

- Ash conveying systems
- Mine residue and coal residue
- Paper pulp processing
- Sewage and slurry decontamination
- Coal mill heavy medium systems