

Ceramic Lined Slurry Knife Gate Valve

This knife gate valve is designed for abrasive media and slurry applications. The valve features ceramic components for enhanced resistance to wear and erosion.



ADDITIONAL IMAGES



Overview

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This ceramic knife gate valve is engineered for demanding industrial environments involving abrasive slurries, fibers, and hard solid particles. Its robust design features a ceramic sealing surface that provides exceptional abrasion resistance and an extended service life compared to standard metal-seated valves. The unit is optimized for efficiency with a short structural length, lightweight construction, and a single-seat design that effectively prevents sticking and ash accumulation.

Technical Specifications

Temperature Range

0 °C

Min Temp

200 °C

Max Temp

Body Materials

- WCB
- CF8
- CF8M
- CF3M

Size Range

NPS 2 to NPS 24 / DN 50 to DN 600

Pressure Range

Class 150, PN 6, PN 10

Design & Operation

Operating Modes

Manual • Electric • Pneumatic

Connection Types

Flange, Wafer

Compliance & Standards

Applicable Standards

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

Applications

Typical Applications

- Ash conveying systems (Power plants)
- Coal residue and heavy medium systems
- Paper pulp (Paper industry)
- Sewage and slurry (Decontamination plants)
- Mine residue