

Ceramic Slurry Slab Gate Valve for Abrasive Media

This ceramic slurry slab gate valve is designed to cut off media containing solid particles and fibers. Ceramic components make the valve suitable for erosive mediums containing hard solid particles.



ADDITIONAL IMAGES



Overview

High-Performance Ceramic Slurry Handling

Ceramic Knife Gate Valves are engineered for high-performance slurry handling, featuring a simple, space-saving structure that effectively manages abrasive media containing solid particles and fibers. The sealing surfaces are constructed from advanced engineering ceramics, ensuring superior abrasion resistance and a significantly extended service life compared to traditional metal-seated valves. Designed with a single-seat configuration to prevent clogging and ash accumulation, these valves offer reliable performance in demanding industrial applications such as mining, power generation, and wastewater treatment.

Technical Specifications

Operating Temperature

0 °C

Min Temp

200 °C

Max Temp

Body Material Options

WCB • CF8 • CF8M • CF3M

Connection Types

- Flange
- Wafer

Operating Modes

- Manual
- Electric
- Pneumatic

Size Range

NPS 2 to NPS 24 / DN 50 to DN 600

Pressure Ratings

Class 150, PN 6, PN 10

Compliance & Standards

Design Standards

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

Applications

Suitable Industries

Iron & Steel, Power Plants, Paper Industry, Wastewater Treatment, Mining, Coal Processing