

# Through Conduit Slurry Knife Gate Valve

This through conduit knife gate valve is also known as a slurry gate valve. It features a through-going O-port plate for stable and safe shut-off performance without clogging.



## Product Overview

### Through Conduit Slurry Knife Gate Valve

This through conduit knife gate valve is engineered for demanding industrial environments involving high-concentration slurries and debris-heavy media. Its unique O-port gate design ensures zero detention, preventing clogging during operation and allowing for a clean, full-bore flow. Designed for versatility, it excels in processes requiring reliable cutting through solids, such as in paper recycling, chemical processing, and sugar production.

## Performance Metrics

### Key Performance Metrics

**425 °C**

Max Temperature

**1200 DN**

Max Nominal Diameter

## Technical Specifications

Size Range	NPS 2 - NPS 48 (DN 50 - DN 1200)
Pressure Ratings	Class 150, PN6, PN10
Connection Type	Wafer

## Materials

### Construction Materials

Component	Material Options
Body	Carbon Steel, Stainless Steel
Disc	Stainless Steel
Sealing	Rubber, PTFE, Stainless Steel + STL

## Operations

### Operating Modes

- Hand wheel
- Bevel Gear
- Pneumatic
- Electric
- Hydraulic

## Compliance

### Industry Standards

GB/T13927, API598, GB/T12221, API609, GB/T12224, ASME B16.34