

Y-Pattern Slurry Control Valve

This Y-pattern slurry valve is designed for controlling or stopping the flow of slurry. The valve features a seat between left and right parts, with a bolt connection that can be disassembled to replace the valve seat.



ADDITIONAL IMAGES



Overview

Industrial Y-Pattern Slurry Control Valve

The Y-Pattern Slurry Control Valve is specifically engineered for high-performance fluid management in abrasive and corrosive environments. Utilizing finite element analysis and advanced 3D design, its body minimizes turbulence while ensuring structural integrity under high-pressure conditions. With easily replaceable seats and specialized wear-resistant coatings, this valve provides reliable, long-term service for demanding sectors like mining, metallurgy, and chemical processing.

Technical Specifications

Size Range	DN50 to DN500 (NPS2 to NPS20)
Pressure Rating	Class 150 to Class 600
Maximum Operating Temperature	425

Materials and Construction

Body Materials	Carbon Steel, Stainless Steel
Sealing Surface Material	Alloy (Full Stellite or Tungsten Carbide overlay)

Performance Features

Engineering Highlights

- Geometric body design for optimal flow
- Anti-washing and anti-corrosion protection stem
- Straight-line motion stem mechanism (non-rotating)
- Replaceable seat design
- High-hardness abrasion resistance

Compliance and Application

Regulatory & Design Standards

Category	Standard
Flange Connection	ASME B16.5, GB/T9113
Design Standard	ASME B16.34
Pressure Test	GB/T13927, API598
Face to Face	GB/T12221, API609

Suitable Industries	Mining, Metallurgy, Chemical Fertilizer, Alumina, Paper-making
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