

Pneumatic Non-Pressure Air Door for Mining

This non-pressure air door is used in coal mines to balance pressure between intake and return roadways. Its design converts wind pressure into an internal force for easy opening, offering safety and convenience with minimal power.



ADDITIONAL IMAGES



Product Overview



A robust pneumatic air door designed for underground coal haulage systems, featuring a viewing window and durable construction for harsh environments.

Mining Pressure Balance Air Door

This pneumatic non-pressure air door is engineered specifically for underground coal mining operations, particularly for connecting lanes between inlet and return roadways. By converting wind pressure into internal force through a specialized balance structure, the door allows for effortless opening regardless of wind direction or pressure intensity. Its robust design ensures reliable two-way air isolation, significantly reducing air leakage while enhancing operational safety and efficiency.

Key Features

Core Advantages

- Low opening force independent of wind pressure and direction
- Two-way air isolation with minimal leakage
- Fire protection performance for belt transportation roadways
- Compatible with manual and automatic operation systems
- Supports mutual locking between two doors

Technical Specifications

Operating Modes

Manual • Automatic • Pneumatic

Safety Capabilities

- Smooth and safe closing mechanism
- Fire and harmful gas containment
- Interlocking capability

Construction Materials

Steel, Bamboo