Mining Pressure Balance Door

This is a manual pressure-free door designed for mining applications. It features an automatic pressure-free mechanism and automatic balance pressure to ensure safe and efficient operation in mining environments.

ADDITIONAL IMAGES

Product Overview

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This mining pressure balance door is a critical ventilation facility designed for underground coal mine roadways. Utilizing a pressure-balanced design with dual-leaf steel construction, it ensures smooth operation even under significant air pressure. The system employs a linkage mechanism to convert external air pressure into internal balance, allowing for effortless manual opening while maintaining safety and reliability in harsh mining environments.

Technical Specifications

Technical diagram illustrating the pressure balance linkage mechanism and airflow control.

Door Type	Pressure-balanced ventilation door
Construction Material	Steel
Opening Mechanism	Manual, Synchronized dual-leaf, Linkage balance
Closing Mechanism	Counterweight-assisted automatic closing

Operational Features

Key Operational Benefits

- Pressure-balanced design for effortless operation
- Synchronized opening and closing of dual doors
- Reverse airflow protection via integrated baffle plates
- Reliable performance in high-pressure ventilation systems

Safety & Compliance

Airflow pressure resistance • Anti-blow-open design • Ventilation safety compliant