



# Underground Ventilation Mine Doors

**Tried and tested  
safety & reliability**

Since 1906

- ~ Patented design - withstands highest pressures
- ~ Remains closed when air currents are reversed
- ~ Fast open and close cycle = little idle time improves productivity
- ~ Customised to specific needs

**maxiflex**<sup>®</sup>

**American Mine Door custom designs your door automation controls exactly to your safety specifications.**

**Door Automation and safety features which may include, but are not limited to:**

- ~ lighting systems and audible alarms
- ~ door interlocks (one door cannot open if another door is open)
- ~ thru-door safety scanners (door will not close on objects)
- ~ motion trip sensors, and more

**Unique Features, Reusable/Movable Designs**

Our mine door wings open in opposite directions. This unique, balanced design feature allows our mine doors to withstand many inches of water gauge pressure. The same air pressure that assists the door in opening also assists it in closing. Consequently, air pressure is equalized.

Ramp slope effects are cancelled as one door wing operating downhill aids the other wing uphill. Due to the equal force principal, our mine doors can be installed in almost any slope application to assure maximum lifetime value. Our mine doors are reusable, and can be moved from one location to another.

Specializing in innovative technology and design American Mine Door Features include:

- ~ Door size ranges from 1.5m - 7m wide to 1.5m - 5m high
- ~ Custom PLC (programmable logic control) solutions for specific customer requirements
- ~ Electric, hydraulic, pneumatic and manual actuation systems available
- ~ American Mine Door manufactures doors to withstand up to 800,000 inches per pound torque of air pressure
- ~ American Mine Door's opposing wing design allows the mine to reverse air current without costly disassembly and reassembly of doors in opposite direction



**Designed by American Mine Door in the USA**  
 **Proudly manufactured under licence in South Africa**

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