

HARD ROCK

BLASTFLOW REGULATORS

SET AND FORGET SOLUTION

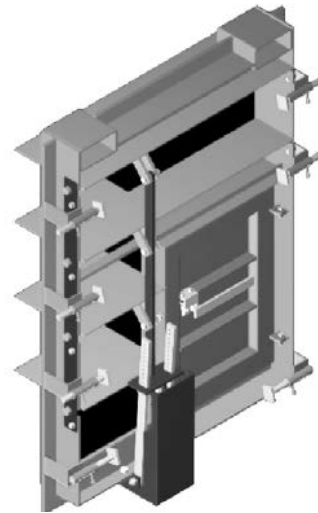
DESCRIPTION

Blastflow® regulators have been designed to enable simple retrofitting to existing regulator sites by simply lifting and locking the modules into place

Regulator modules can be pre-set to any position from fully open to fully closed by one person using a wheel adjustment mechanism for supporting miscellaneous services.

The louvre blades will automatically open during stope firings releasing large volumes of air, with a constant force gas strut controlling the opening of the louvre blades.

Once the air pressure has dissipated the louvre blades adjust to their original airflow setting.



APPLICATION AND USES

Blastflow® has been live tested in a working underground metalliferous mine through a series of stope firings of increasing size cumulated in a 380kT blast.

High speed cameras recorded the operation of the Blastflow® modules during blasting. No damage was sustained to the regulator modules or components and settings were maintained.

A double module installation can regulate up to 50 m3 per second of air and is suitable for most mine requirements.

Secondary fans can be combined with automated Blastflow regulators to allow the mine to control where and when air is placed. Ventilation on Demand (VOD) allows an underground mine's ventilation circuit to be electronically controlled.

ADVANTAGES

- Can be fabricated to suit any dimensions
- One-person operation, simply set and Leave
- Immediate control of primary ventilation following stope firing
- Can be automated and remotely managed
- Eliminates manual removal and placement of timber boards

KEY BLASTFLOW® DESIGN FEATURES

Standard module size (mm)	1280x1690	1280x2720
Locking pins	8 per module	8 per module
Module Weight	280kg with door	350kg, 390kg with door
Louvre Blades	4 per module (370mmx1120mm)	7 per module (370mmx1120mm)
Opening Mechanism	Mechanical Wheel	Mechanical Wheel/Actuation
Self Closing	Single Gas Strut	Double Gas Strut

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work. All technical data sheets can be found on www.minovaglobal.com

DISTRIBUTOR

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- Resin anchor systems
- High yield grouts and foams
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Sprayable coatings for ventilation control
- Water stop grouts
- Ventilation formwork systems including: Meshblock and Tecmesh
- Grout mixers and batchers both air and hydraulically operated
- Contract Installations
- Flexible membranes for strata support and waterproofing applications

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