Air Filter Blow-Out Unit M-AIR-217-1400

LYBOVER

Why an Air Filter Blow-Out Unit

The innovative and sustainable way to remove dust, granules and other particles from air filter cartridges.

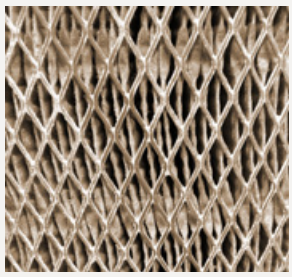
Air filters are essential components in heavy-duty vehicles used across industries like mining, construction, and manufacturing. These filters ensure clean combustion air for engine and driver cabins, maintaining vehicle performance and safety.

Operating in dusty environments, such as quarries, cement plants, and smelting facilities, often leads to clogged filters that require regular maintenance.

Instead of replacing dirty filters, a more economical and sustainable solution is to clean and reuse them. Professional, automated cleaning restores filters to an optimal condition without causing damage, extending their lifespan and reducing waste.







The new **M-AIR-217-1400** features a specially designed and precision-manufactured blowing nozzle that blows dust from the inside out. This allows air filters to be cleaned regularly and safely, ensuring optimal performance.

With simple handling and a fully automatic cleaning process, this solution offers an innovative and sustainable way to remove dust, granules, and other particles from air filter cartridges.

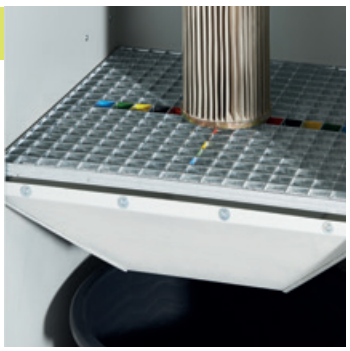
Design

The blow-out unit has a compact, rectangular design featuring a single access door for maintenance and operation. The pneumatic control cabinet and drive are mounted on the side for easy access. The unit can be securely fixed to the floor at multiple points.

- The blowing nozzle, positioned at the top of the unit, is adjustable vertically via a pneumatic drive and compressed air hose.
- The air filter rests on the grate in the middle section.
- The lower section contains a dust collection container and a suction nozzle for connection to industrial vacuum cleaners.

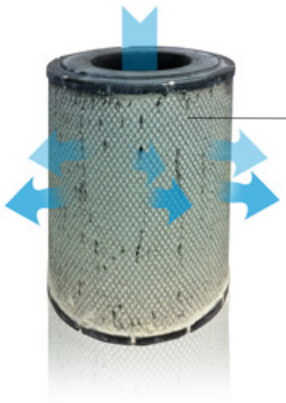
Cleaning Procedure

1. Position the air filter on the grate and close the door.
2. Adjust the cleaning area using the limit switches on the pneumatic drive.
3. Turn on the industrial vacuum cleaner to extract dust mist.
4. Start the cleaning process.
5. The blowing nozzle moves into the air filter, blowing dust out of the filter medium into the dust collection container.
6. The nozzle moves to the bottom of the filter, reverses direction, and moves upwards to the top. This cycle repeats for 6 minutes.
7. The nozzle stops after 6 minutes and is manually moved out of the air filter.
8. Turn off the industrial vacuum cleaner.
9. Remove the cleaned air filter.









Cleaning starts inside and moves outward, sending dirt and dust along back the way they came.

Technical Data

Height	max. 1,400 mm
Outside diameter	max. 540 mm

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