



# Freed from dust

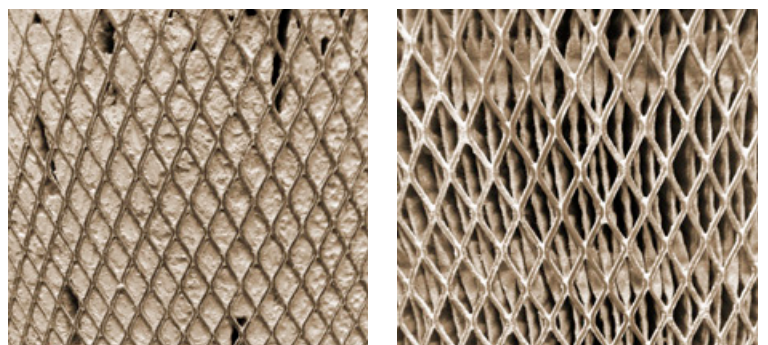
## **M-AIR-217-1400-M – Innovative and economical purging unit for filter cartridges**

Filter cartridges are installed in many vehicles (excavators, dumpers, wheel loaders, bulldozers, trucks, etc.). Filter cartridges filter the combustion air of the engine or the air for the driver's cab.

These vehicles are used in the following environments: quarries, stone crushing works, gravel plants, open-cast mining, deep mining, cement works, concrete factories, gypsum plants, smelting works,... even agricultural and haulage vehicles, etc.

Filter cartridges are also installed in industrial plants (filter systems, extraction systems, etc.) in a wide range of industrial sectors.

Due to the dusty environment, the filter cartridges become contaminated and must be replaced regularly. It is more economical to clean the filter cartridges professionally and without damaging the material.



The new purging unit **M-AIR-217-1400-M** uses a specially designed blowing nozzle to blow the dust in a controlled manner from the inside to the outside. Filter cartridges can therefore be cleaned regularly in a safe manner.

Handling is easy.

The cleaning procedure runs manually.

# M-AIR-217-1400-M

## Design

The purging unit is rectangular in design. There is one door for maintenance and for operation of the purging unit. The cable winch with hand crank and a ball valve for switching on/off the compressed air for the blowing nozzle are mounted on the side.

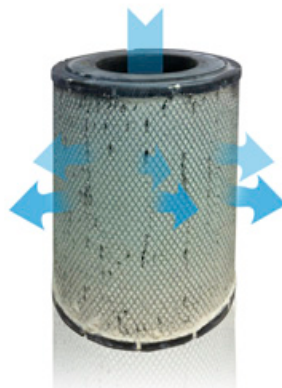
The unit can be fixed in several locations on the floor.

- In the upper part of the purging unit is the blowing nozzle which can be moved downwards and upwards by the manual drive via a compressed air hose.
- In the middle part the filter cartridge stands on a grating.
- In the lower part are the dust collecting tank and intake manifold for industrial vacuum cleaners.



## Cleaning procedure

- Position filter cartridge on the grating
- Using the hand crank, move the blowing nozzle into the opening of the filter cartridge and close the door
- Switch on the industrial vacuum cleaner to extract the dust mist.
- Start cleaning by actuating the ball valve
- By actuating the hand crank, the blowing nozzle moves into the filter cartridge. The dust is blown out of the filter medium and falls into the dust collecting tank.
- Move the blowing nozzle all the way down, then up into the upper area of the filter cartridge. Repeat this process until the cleaning is satisfactory.
- Then move the blowing nozzle upwards out of the filter cartridge
- Switch off the industrial vacuum cleaner
- Open door and remove the cleaned filter cartridge



Cleaning takes place from the inside to the outside – dirt and dust go back the same way they came.



## Purging unit: M-AIR-217-1400-M

The following filter cartridges, cylindrical in design, can be blown out:

|                   |               |
|-------------------|---------------|
| Height:           | 100 – 1400 mm |
| Outside diameter: | 80 – 450 mm   |
| Inside diameter:  | 50 – 260 mm   |



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