



# *Pulsating system for fresh air filter cleaning*



## **APPLICATIONS**

LRV | Metro | Regional & Commuter train | High-speed train | Locomotive | Passenger car | special vehicles in desert environments

**KNORR-BREMSE**



# DESCRIPTION

This system cleans uses pulses of compressed air to clean the filters and evacuates sand particles to outside the unit. Sand filtration is effected in three steps: fresh-air grilles which prevent the larger sand and dust particles from entering the unit; cartridge filters which provide an F9 degree of filtration; and cleaning cycles which, like the filter service life, depend on the ambient pollution and must be analyzed case by case.

## OPTIMIZED USE OF MATERIALS

- maximum air quality assurance
- application in all HVAC systems in desert environments
- system efficiency regardless of the direction of wind and travel
- fresh-air inlets are protected in case of sandstorms

## ENHANCED MAINTAINABILITY

- low maintenance costs due to self-cleaning system
- rapid cartridge filter exchange
- filter exchange according to the vehicle preventive maintenance periods

## REDUCED EMISSIONS

- improvement of air filtration quality to grade F9
- less dust inside the HVAC unit

## INCREASED ENERGY EFFICIENCY

- CO<sub>2</sub> sensor allows reduced fresh-air flow and helps to save energy

Disclaimer: We have prepared the product description with due care but cannot exclude any errors. The product description does not contain any warranty or guarantee, in particular neither regarding correctness, accuracy and completeness of contained information nor regarding quality, negotiability, adequacy for certain purposes and compliance with laws and patents of described products.