

Models

The HFE is available in four models by combination of air volume, voltage and airflow direction.



HFE-25



HFE-50



Electrical compartment



Main filter consisting of ioniser and collector

EUROMATE OFFERS ALL-IN SOLUTIONS FOR AIR CLEANING

Euromate has over 40 years of experience in the field of air cleaning. This provides in-depth knowledge of indoor air and removal of air pollutants.

For optimal use of the air cleaner regular maintenance by a professional is recommended. A service contract can be agreed with our sales organization. There are various maintenance agree-



ments possible, depending on the filter choice and the degree of air pollution.

Sole distributor (Hong Kong and Macau)

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HFE AIR CLEANER

Remove air pollution efficiently
in industrial buildings



Get a grip on the air quality in your industrial building

The air in industrial buildings is subject to various sources of pollution. Damage to products, contamination of surfaces, health problems among personnel and machine failures are significant negative consequences.

To prevent (economic) losses you choose a way to permanently improve the situation. Air cleaning is the answer. One of the many advantages is that the energy which is used to cool or heat the indoor air is not lost. In fact you will actually reduce the expenses.

Industrial buildings have a large floor area. Height is required for storage shelves. This leads to large volumes of air that need to be filtered. Euromate delivers robust air cleaners which can circulate and filter lots of air.

HFE

Floating dust and dust precipitation are common phenomena in many industrial buildings. Euromate offers the HFE unit, a very effective and efficient system for filtering dust particles. Even welding fumes and oil mists cause no problem for this system.

The HFE unit is built around an electrostatic filter and has an integrated fan. In contrast to other filter systems, the electrostatic filter will not clog, so there is no increase in air resistance that could reduce airflow. The filters are easy to clean and suitable for reuse. There is no need to purchase new filters. This is not only sustainable, but also provides the most economical 'total cost of ownership'.

Filter over

90%

pollution from the air flow

Save up to

30%

on cleaning and heating costs



After installing the industrial air cleaners the problems we had were reduced heavily. The HFE unit from Euromate combines everything we want, it does the job, is environmental-friendly, and saves energy.

Awareness of air pollution

Sectors in which volume systems are commonly used for air cleaning include logistics, food manufacturing, production, wholesale, retail and waste processing. Air pollution awareness is increasing, and thus the amount and range of companies that are willing to solve the problems is growing too. The secondary beneficial effects, accompanied by large costs savings, naturally also stimulate companies' willingness to invest in a clean indoor climate.

How it works

As the polluted air enters the Euromate HFE it passes through the high-voltage ionisation section, operating at around 10,000 volts. Here, the dust particles become positively charged. The contaminated air then passes through the collector section, a combination of charged (5,000 volts) and earthed panels. The electrically charged particles are attracted by the earthed panels, to which they become attached. In this way, the smallest



particles (up to 0.01 micron) are removed from the airflow by the electrostatic filter. The contaminated air is drawn through the filter by a directly driven centrifugal fan, which is compliant with ERP 2015.

No ductwork required

The HFE is easily mounted to the ceiling, a column or the wall. Standard versions are available for two air flow directions (left to right, right to left). There is no need to install ductwork, nor is it necessary to modify other nearby systems, such as sprinklers.

Quality

Capacity delivers quality

The HFE is available in two capacities (2,500 m³/h and 5,000 m³/h). With this unit Euromate offers a filter system capable of cleaning the air in industrial buildings, down to the smallest particles. It reduces air pollution to the target level for good quality and health. In addition to an improved working environment, the system also contributes significantly to cost savings on energy and cleaning.

Features

- Improves product quality
- Extends shelf life
- Reduces cleaning costs
- Improves productivity
- Reduces sick leave
- Reduces equipment failures
- Reduces heating costs

