

Saving energy in food production



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A simple filter change cut the customer's energy spend by over 110,000 € a year.



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Customer

Confectionery manufacturer – Germany



New system

Airpocket Eco energy-saving air filters



Outcome

Energy consumption: lowered by over 440,000 kWh

Energy costs: reduced by over 110,000 € a year

Carbon emissions: cut 93 tons per year

THE CUSTOMER

A German food manufacturer in the confectionery sector with 7,000 employees and production sites around the world.

THE CHALLENGE

The customer needed an efficient and reliable filter solution for the ventilation system in the production and manufacturing area that met the requirements of the food industry.

Sugar and other dusts created during the production process meant that the ventilation air filters had to be capable of handling high quantities of particulate.

At the same time, the filter system had to contend with enormous flow volumes – the production plant moved millions of cubic meters of air every hour.





THE SOLUTION

Using our custom Total Cost of Ownership (TCO) tool, MANN+HUMMEL calculated the filter configuration that would deliver the best possible energy efficiency without compromising on air quality.

We selected our Airpocket Eco for its ultra-low energy demand – consuming just 882 kWh/year as tested by Eurovent, the independent trade association.

After discussions, consultations and testing, the customer installed Airpocket Eco filters in its ventilation systems in Germany.



Unlock energy savings

Switching to an energy-saving air filter typically requires no retrofit works – making it one of the easiest and most effective ways to cut the energy consumption of your HVAC system. And Airpocket Eco is one of the very best products available to cut energy – rated A+ in eight sizes and filtration efficiencies.



THE RESULT

The customer achieved remarkable results – well exceeding their expectations in the first year after installation.

Yearly energy costs cut by

110,000€

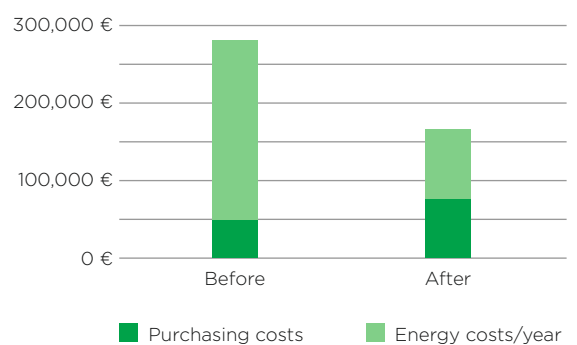
TCO reduced by over

97,000€

Energy reductions totaled 442,029 kWh a year, which saved 110,507 Euros in cost and 93,352 kg in carbon emissions.

Based on this convincing result, the food manufacturer decided to equip all further ventilation systems with Airpocket Eco within the next two years.

Total annual costs before and after filter replacement





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After the success of the project at its German plant, the customer decided to roll out energy-saving filters from MANN+HUMMEL to all its ventilation systems worldwide.

Learn more about our air filtration solutions on our website

[MANN+HUMMEL AIR FILTRATION →](#)

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