

Clean Air Solutions for Health, Well-Being and Performance



Why focus on air filtration?

The most important part of indoor air quality (IAQ) is the cleanliness of the air. Air contamination consists of particles, gases and vapors that may reduce the well-being and health and could decrease the output and efficiency of production processes.

Indoor air can be up to 50 times more polluted than outdoor air. By using a high efficiency air filter; these harmful particles can be captured.

Camfil's air filtration pioneers have developed energy-efficient solutions that benefit the operations of customers globally, using life-cycle thinking for solution design and life-cycle costing methodology and tools.

Our indoor air filter solutions for public and commercial buildings improve and protect people's health and well-being and also boost their productivity. The end project results in clean air, free of harmful and damaging pollutants.

High Efficiency Bag Filters



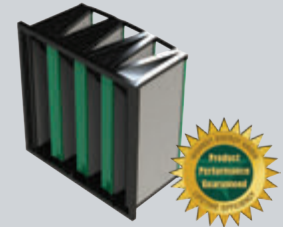
High Efficiency bag filters maintains particle capture efficiency throughout the filter's life in the HVAC system.

High Efficiency Pleated Filters



Choose from our selection of High Efficiency, Medium Efficiency or Pleated Panel Filters.

Compact Filters (High Efficiency)



Our styles include: V-Style Filters, Box Style Rigid Media Filters and Opti-Pac High Efficiency Filters.

Camfil Air Filters: Lower your Total Cost of Ownership (TCO)

The benefit of using filters that perform more efficiently, use less energy and require less-frequent change-outs are substantial. Using fewer filters means fewer dollars spent.

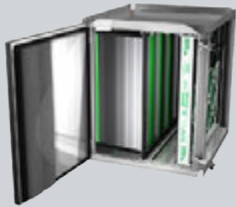
Installing Camfil filters reduces the appetite of heating and ventilation systems. This simple measure has helped commercial, industrial and public buildings reduce their carbon footprint while improving the IAQ.

Low cost filters clog quickly, causing a higher resistance to the airflow which results in an energy cost penalty. Camfil air filters capture particles and maintain the proper airflow two to three times longer than low cost filters, and requires less frequent filter changes.

Fewer filters, less labour, reduced waste all while saving substantially on energy costs! How? By selecting filters designed for lower average lifetime resistance, the HVAC unit doesn't work as hard to pull air through the system.

In the average commercial building, 50% of the energy bill is for the HVAC system and 30% of that is directly related to the air filtration. It always pays for you to choose the best low energy air filter combination for the right filtration application. We'll show you how and we'll prove it in the lab, on your site, or in Life-Cycle Cost (LCC) analysis calculations.

Frames & Housings



Camfil offers Filter Holding Frames, Housing for HVAC Applications and Absolute Filter Housings (HEPA or ULPA).

Metal Filters



Choose from our Metal Panel Filters including ECO[®] Moisture Separator, Type F/S and Type 44.

High Temperature Filters



These specially designed filters meet the most stringent requirements and are designed to maintain their integrity and rated performance values in applications with extremely high temperatures.

LCC-Life Cycle Cost

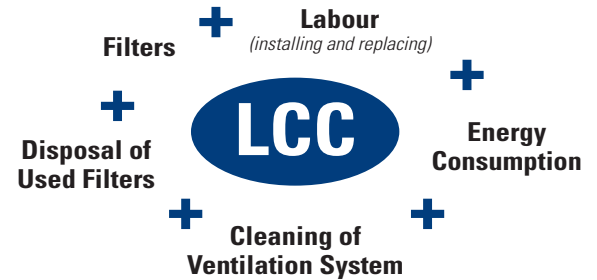
Energy Consumption

From a long term perspective, it is evident that the energy consumption is the major overall cost of a filter.

70% of the cost is energy!

Calculations reveal that energy normally accounts for 70% of the total LCC of the system. The energy consumption is directly proportional to the average pressure drop over the filter.

The Life Cycle Cost for a filter is the cost of the:



CASE STUDY

University

Leading University Reduces Air Filter Costs by 33% and Achieves Targets for Airflow and Air Quality

This university operates hundreds of air handlers on campuses, hospitals and research centers. The university bought the lowest cost filters on an annual bid basis but still caused operating costs to be extremely high. As a remedy, filters were downgraded but required even more changes than before. Camfil conducted an LCC analysis and found after testing the Hi-Flo ES the university could save up to \$500 thousand annually in total filter costs. Additionally, the annual energy costs for the entire system would decrease by more than \$1 million dollars.

"The single-stage, longer lasting Hi-Flo ES saved \$1.5 million in annual filter and energy costs."



Comfort: Protecting People

Comfort Ventilation

Our indoor air filter solutions for public and commercial buildings improve and protect people's health and well-being – and also boost their productivity. The end product is clean air, free of harmful or damaging pollutants.

Offices

As we spend increasing amounts of time indoors, we are more exposed to particle and gas pollution from the external air – via the building's ventilation system. Our high quality air filters improve the indoor air quality, which contributes to greater productivity and better health for the employees.

Schools

When the air in the classroom is clean, learning is enhanced and the students as well as the staff become more productive – and their health is protected. Our high quality air filters keep the air management system in schools at optimum efficiency.

Airports

Aircrafts and diesel powered ground traffic are major pollution sources. Together they are the source of most pollution inside terminals and other airport buildings. We offer leading market air filter solutions to control particulate and molecular pollutants at airports.

CASE STUDY

Manufacturing

Hi-Flo ES lasts five times longer than competitor

Canada's leading pulp and paper manufacturer employs more than 550 workers and operates 24 hours a day, manufacturing 700 tons of paper daily. Having to change 117 bag filters every 3 weeks was beginning to cause frustration which was both costly and time consuming. Camfil's Hi Flo ES filter demonstrated superior results in both over service life and in filter resistance over time. Its particle removal efficiency lasted 5 times longer. It's estimated the that consumer will save \$24,000 per year just in filter costs using the Hi-Flo ES versus the present charged synthetic bag filter.

"The mill was changing 117 filters every 3 weeks, this means 2000 filters with 18 changes. Using the Hi Flo ES, we only require 351 filters with 3 changes."

Clean Air Processes

Food

We offer a full range of high quality air filtration systems for the global food and beverage industry to avoid microbiological contamination. Because food safety compliance means safety and customer confidence.

Hospitals

For almost 50 years we have delivered air filtration solutions to hospitals and health care facilities in all major world regions. We can design the optimum system from your requirements, including easy maintenance and long service life. We can also assure you the highest availability for your operating rooms while ensuring high patient protection.

Commercial, Retail and Office Buildings

Camfil supplies a full range of air filters for air handling units and ventilation systems to provide clean air for high indoor air quality (IAQ) and a healthy and more productive working environment. Camfil has products for both air and gas filtration in commercial building and airports, among other facilities.

Camfil filters are also the most energy-efficient on the market, helping owners to green their buildings by cutting the power consumption of their air building systems and reducing their carbon footprint.



Air Pollution Control

Mining

Camfil offers safe, robust, modular air filters that are ideal for the harsh, abrasive environment of open pit mining. Our filters have a track record of ensuring reliability and keeping production downtime to a minimum on many mining applications.

Metal Working

The Hemipleat Retrofit Cartridge Series is ideally suited for many types of metal working processes. The various inlet and hopper discharge designs allow for efficient and effective dust and fume control with minimal maintenance requirements and minimal down-time.

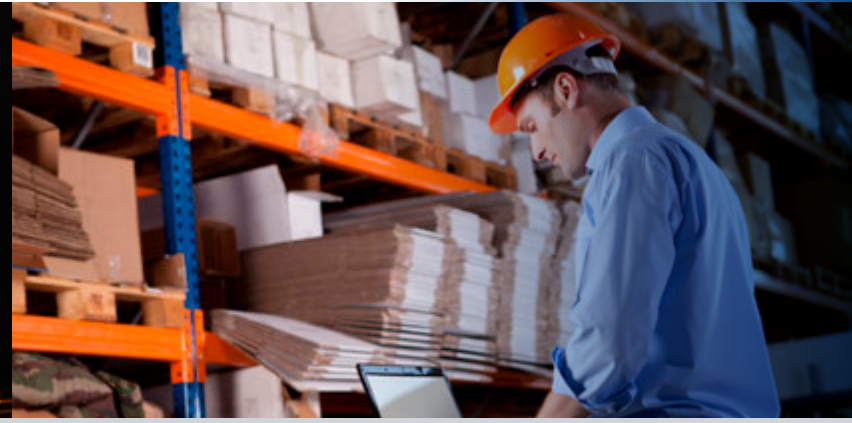
Industrial

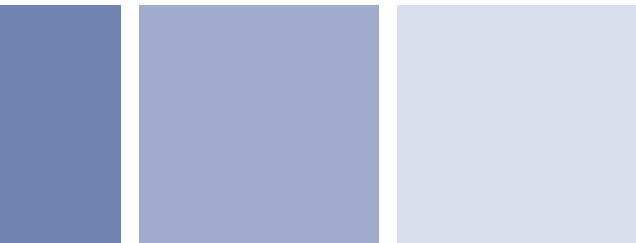
Warehouses

The Camcleaner is a range of patented air purifiers with the most efficient HEPA filters on the market. They are proven to lead to reduced energy costs, more efficient production, less need for cleaning, healthier employees and a better air environment.

Pulp & Paper

Being a 24/7 enterprise, Pulp and Paper factories must be sure to keep their electronic control system fully functional. The solution is to use molecular filtration to combat sulfur compounds like sulfur dioxide, hydrogen sulfide and mercaptans. Camfil provides deep bed solutions as well as supplying activated carbon alumina adsorbents and support services for these applications.





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