



viledon[®]
filterCair

VILEDON FILTERCAIR MODULES

**CUSTOMIZED SERVICE PACKAGES FOR
HYGIENIC AIR QUALITY**

FREUDENBERG
FILTRATION TECHNOLOGIES

 **FREUDENBERG**
INNOVATING TOGETHER



CUSTOMIZED AIR QUALITY MANAGEMENT

IMPROVED SAFETY IN ALL PRODUCTION STEPS OF THE
FOOD & BEVERAGE AND PHARMACEUTICAL INDUSTRIES



Hygienically clean air controls the quality of process air that comes into contact with food and pharmaceutical products and maintains a safe working environment. Optimize your processes and benefit from the economically efficient and energy-efficient solutions provided by our Viledon® filterCair service modules.

Efficient and frictionless processes require a precise solution. With our Viledon® filterCair modules, we offer you a comprehensive range of services to meet the stringent

industry hygiene requirements: from routine inspections to a complete service and maintenance program for ventilation and dust removal systems as well as cleanrooms. Our Viledon® filterCair experts will identify specific optimization potentials and advise you on-site. In addition, we will prepare specific documentation for controlling the air purity of your processes, along with detailed recommendations. This will enable you to be optimally prepared for the periodic audits in the food & beverage and pharmaceutical industries.



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Your benefits at a glance:

- Reduction of stock holding and stock administration costs
- Reduction of order costs
- Less capital tied up in stock
- Reduction of fire risk and increase in available production space
- Increased and stabilized air quality
- Improved planning and fewer suppliers
- Continuous improvement and process optimization

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REGULAR HYGIENE INSPECTIONS AND INDIVIDUAL ON-SITE SERVICE

BENEFIT FROM OUR ALL-IN-ONE VILEDON FILTERCAIR
AIR QUALITY MANAGEMENT PACKAGE



Choosing Viledon® filterCair also ensures that you guard against inadequate maintenance of air handling units (AHUs) and the filter systems they contain. Malfunctioning or heavily soiled filters support bacterial growth and allow all sorts of contaminants to enter production areas, from pests to fungal spores and microorganisms.

Our Viledon® filterCair experts regularly carry out on-site inspections and measurements to ensure a hygienic production environment. This results in high-performance, economical and environmentally friendly management of air quality.

In addition to the modules themselves, Viledon® filterCair also offers individual service contracts to ensure comprehensive air quality management. This includes the provision of all required filters plus customized services:

- Disposition, filter change and correct filter installation
- On-site technicians, temporarily or permanently
- Documentation of all tasks

Individual modules can be selected from the service modules featured above and incorporated into the individual service contract.

Choosing Viledon® filterCair ensures that your filtration system meets the highest requirements and achieves 100% audit compliance.



VILEDON FILTERCAIR SERVICE MODULES

TAILOR-MADE SERVICE PACKAGES

With our modular Viledon® filterCair solutions, we offer you a comprehensive selection of application-specific services that can also be individually combined with each other.



MODULE FILTER CHANGE BASIC

Scope of services:

- Planning and organization of filter changes
- Supply of high-quality filter elements for ventilation units
- Thorough cleaning of the filter chamber
- Professional replacement of panel filters, pocket and cassette filters
- Visual assessment of the system components, e.g. inspection of fans, cooling and heating register, drive belts
- Disposal of used filter elements (optional)
- Acceptance report
- Supply of additional high-quality filters as required, such as dust removal cartridges and filter bags



MODULE HYGIENE MONITORING

Scope of services:

- Determination of complete germ counts or complete colony counts in the air, on surfaces and in liquids (bacteria, fungal spores, viruses ...)
- Swab test for final control of effective cleaning in critical plants
- Conclusive documentation on the present plant status
- Tests performed to German standard VDI 6022: Hygiene requirements for ventilation and air-conditioning systems and units



MODULE FILTER CHANGE CLEANROOM

Scope of services:

- Supply of high-quality HEPA / ULPA filter elements for high hygiene zones and cleanrooms
- Cleaning of the mounting frames
- Professional replacement of HEPA / ULPA filters
- Disposal of used filter elements (optional)
- Leak / impermeability test
- Integrity test
- Airflow determination
- Comprehensive documentation



MODULE CLEANROOM CLASSIFICATION

Scope of services:

- Cleanroom inspection according to ISO 14644-1 or GMP
- Documentation and certification



MODULE AIRFLOW AND OVERPRESSURE ANALYSIS

Scope of services:

- Visualization of the flow conditions at production or workplaces
- Detailed video analysis of the airflow conditions
- Checking velocity of airflow and measurement of overpressure
- Temperature and relative humidity measurements
- Checking the ventilation unit (filter audit)



MODULE ENERGY EFFICIENCY

Scope of services:

- Ventilation consultancy including air volume balances
- Energy efficiency consultancy for air handling units
- Equipment inspection according to § 12 EnEV



MODULE EMISSION ANALYSIS

Scope of services:

- Emission value measurement of the exhaust air concentration
- Verification of compliance with emission limit values in accordance with country standard
- Determination of dust mass concentration acc. to EN 13284 (European Standard)



MODULE WORKPLACE ANALYSIS

Scope of services:

- Review of occupational safety limit values
- Measurement of the maximum workplace concentration and statement on PM values
- Determination of air quality

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We would be happy to advise you. Simply get in touch.
Together, we will find the right module or individual
solution for your plant.



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