



**Air Filtration & Containment**



### **Field of activity:**

- Dedusting plants
- High Containment Solution
- Engineering & Consulting
- Customized planning and development
- Maintenance
- Spare parts supply
- Elaboration of qualification documents

### **Certification according DIN EN ISO 9001:2015**

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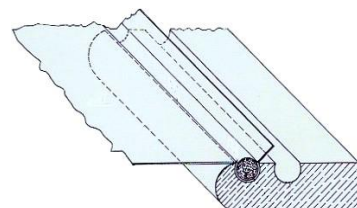
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## Product Overview

### Cleanable HEPA Filter Systems

#### Special features:

- Use of high-performance HEPA filters in the first filter stage.
- Suitable also for higher dust load of the raw gas.
- Automatic cleaning system for the first filter stage.
- Offline cleaning.
- Continuous operation.
- Suitable for installation in technical or production rooms.
- Made of stainless steel or painted steel.
- Special stainless steel version for installation in production rooms (clean rooms).
- Individual control system.
- Qualifiable control system for the pharmaceutical industry.
- For volume flows from 250 to 18.000 m<sup>3</sup>/h.
- More modular system for continuous operation (service and maintenance possible during operation).
- Performance after first stage up to
- 99.95 % for particles > 0.3 µm (H13).
- Performance of two-stage plant 99,995 % for particles > 0.3 µm (H14).
- Contamination-free handling during filter change.
- Contamination-free dust discharge
- Central dust collection to facilitate handling of one or more filter systems.
- DEHS ports for inspection and control of second stage HEPA filters.
- Detailed documentation according to customer and legal requirements.



## High Containment (OEB 4, OEB 5, etc.)

- WIP for decontamination of the inside of the filter unit.
- Special handling procedures for the - filter units at OEB 4 and OEB 5.
- Usage of glove box or isolator for dust discharge.
- Well decontaminable push-push containment vacuum cleaner. (Patented system)



## Mobile and compact filtration unit

mobile unit for 30 to 350 m<sup>3</sup>/h.

- single- or two-stage.
- with cleanable HEPA filters in first stage.
- with Safe Change System.
- with or without fan.
- good alternative to conventional vacuum cleaner in pharmaceutical production rooms.
- Push-Push vacuum cleaner.



Push-Push vacuum cleaner (patented).



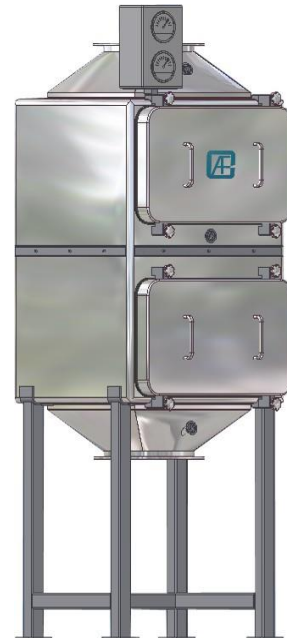


## Filter boxes and FFU

Whether it is for the production machines, isolators or rooms, we offer filter boxes with or without fan and for the supply air or exhaust air.



AFC Wall Filter Box: Special application for Biotech and API handling



AFC Filter Box: 2 stages with WIP



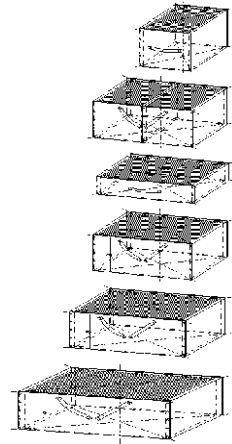
AFC FFU: for isolators

### Suspended particle filter cassettes

Cleanable and non cleanable; AFC filter cassettes are available in different standard sizes (tested according to EN 1822 with certificate).

The cleanable filter cassettes type E11 and H13 are produced at AFC.  
This allows us to produce filter cassettes of different fabrications for use in the plants.

Customers appreciate the weight advantage of AFC filter cassettes compared to filters available on the market. AFC filters are on average 2 to 3 kg lighter than competitors.



### AFC film sealer

*patented*



### Technical data

Power supply/consumption:

Input: 230 V AC / Output: 48 V DC / 160 W

Compressed air supply: 4 to 6 bar

Weight: approx. 3.5 kg

Housing: plastic

Signals: On/Off

Heating process

End of welding process

With this device, you can weld plastic bags (PE) and endless tubes (PE) of different thickness and diameters easily and safely. The time required (preparation, welding and cutting) is less than 3 minutes, depending on the film properties.

## Consulting, qualification and engineering

AFC offers customized solutions for dust collection technology from dust collection, dimensioning of piping, filter systems and fans to delivery, installation and commissioning.



With years of experience in the chemical and pharmaceutical industry, we are happy to support our customers in optimizing their production and production processes and we always achieve set goals. We stand by our customers from concept design to qualification.

Whether it's product protection, personal protection or simply the optimization of work processes. Thanks to our know-how, flexibility and innovation, we are able to handle even the most difficult tasks and, together with our customers, ensure clean and safe workplaces.

This has resulted in a multitude of products and filter systems that can be implemented at any time.

## Service

Thanks to experienced staff, AFC offers service and maintenance for all existing HEPA filtration systems on the market..

Personal protection has priority.

Special procedures are used to keep dust development to a minimum, even in open systems, which is of significant importance during repair work.

With the qualified inspection of the plant during maintenance, our customers receive, on the basis of an individual checklist, a professional statement about the condition of the filter plants; if required, also about the entire extraction system.







The most  
innovative  
medium-sized  
businesses

AFC Air Filtration &  
Containment GmbH

# TOP INNOVATOR 2016

A project coordinated by Nikolaus Franke, professor at the Institute for Entrepreneurship and Innovation at the Vienna University of Economics and Business Administration, determines every year Germany's most innovative small and medium-sized enterprises. As a result of this survey, the quality of the innovation management practised by AFC Air Filtration & Containment GmbH was rated 'outstanding'. This company is therefore one of the most innovative small and medium-sized enterprises in Germany.



PROFESSOR DR NIKOLAUS FRANKE  
Institute for Entrepreneurship and Innovation  
Vienna University of Economics and  
Business Administration



RANGA YOGESHWAR  
Patron of TOP 100

June 2016