

- ▶ **HEPA and ULPA filter elements for TFP pharmaceutical clean room terminal filters ▶▶**



**Mini pleats  
for maximum  
performance**

**TROX<sup>®</sup> TECHNIK**  
The art of handling air

# High-efficiency HEPA and ULPA particulate filters

Automatic filter scan test

Filter classes H14, U15, U16

Filter media for special requirements – glass fibre papers with spacers made of thermoplastic hot-melt adhesive

Performance tested to EN 1822

Fitting into filter fan units, clean room workbenches, or operating theatre ceilings

Low initial differential pressure due to ideal pleat position and largest possible filter area

Perfect adjustment to individual requirements due to variable pleat depths



For more information see our product leaflet or visit [www.troxtechnik.com/leaflet-mfpcr](http://www.troxtechnik.com/leaflet-mfpcr)

## TROX clean room solution



# TFP pharmaceutical clean room terminal filter with turn clips

Simplified system for fitting filter panels

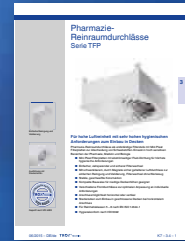
No negative influences in case of in situ measurements

Springs facilitate the fitting of filter panels and keep them in place

Effortlessly simple – filter fitting in no time at all with patented turn clips



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- 1 **Medium filters ePM10 > 55% (previously M5)** are used in ventilation and air conditioning systems to separate contaminants from the air.



- 2 **Fine dust filters ePM1 > 60% (previously F7)** are used for the separation of fine dust in ventilation systems that have to meet demanding requirements. TROX fine dust filters are certified by EUROVENT.



- 3 **Particulate filters H14** with Mini Pleat filter panels are used as final filters for the separation of suspended particles in industrial, research, medical, and pharmaceutical applications.



- 4 **Ceiling mounted particulate filters** with Mini Pleat filter panels are used as final filter stage and are acoustically and aerodynamically optimised; they are available in many designs and constructions and provide a solution for all architectural requirements.



- 5 **Wall mounted particulate filters** come with a sealing integrity test facility, a pressure measurement point, and a clamping mechanism for fixing Mini Pleat filter panels.



## TROX filter strategy

- Product development: Focus on the development, production and sale of high-quality, bespoke filter units and filter elements for ventilation and air conditioning systems, also those in highly critical areas of application
- Market segment strategy (key areas): Clean rooms in the pharmaceutical and food industries and in hospitals
- Filter system strategy: Filter production in Germany with the most advanced manufacturing equipment, i.e. particulate filters and fine dust filters are produced in clean room conditions (ISO 7)
- One-piece-flow production: All filter elements are bespoke products, tailored to customers' filter class, dimension, frame and other requirements
- Industry 4.0: Order data is transmitted from the ERP system to the scanning equipment; use of paper rolls is recorded with on-board scanners

## Made by TROX – Made in Germany

Excellent product quality due to high productivity and safe and reliable manufacturing processes with 100% quality control.

TROX fine dust filters (previously filter classes M5 to F9 according to EN 779) are certified by EUROVENT. The EUROVENT certification programme will be adapted shortly to accommodate the new ISO 16890 standard.

Each TROX filter of filter class H14, U15 or U16 is tested for leakage and overall efficiency.

TROX manufactures all parts of filter units in-house, from the casing and filter elements to the diffusers; the TROX filter production facilities in Germany are equipped with the most advanced machinery.

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