

TROX AIR FILTRATION SYSTEMS



In addition to the separation of dust in air handling units, HEPA and ULPA filters are used as high-efficiency particulate filters for the separation of the smallest particles in clean room systems. They ensure a particularly high level of air cleanliness and can separate even submicrometre germs and particles. High-efficiency filters are either ceiling mounted and have a diffuser face or they are used as final filter stage in filter ceilings.

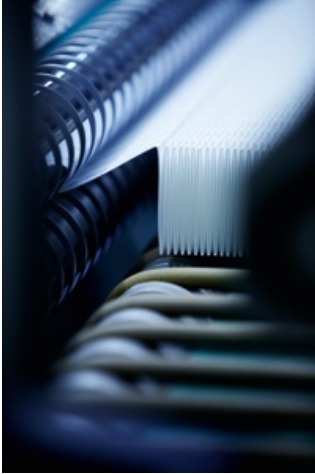
TROX high efficiency filters.
TROX offers an extensive filter programme for technically and economically sound solutions: Filter units are available for different installation locations, e.g. walls, ducts or ceilings, and suitable filter elements meet every application requirement.

TROX fine dust filters of filter classes M5 to F9 are tested to EN 779 and certified by EUROVENT.

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. In addition, customers can make use of the intelligent Easy Product Finder design programme.

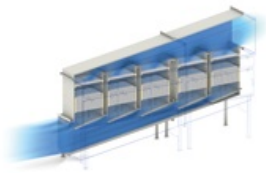
KSFS DUCTED PARTICULATE FILTERS



KSFS ducted particulate filters for Mini Pleat filter panels, Mini Pleat filter cells, and activated carbon filter cells

- Contamination-free filter change

SPIGOTS



Spigots for more safety, a longer filter life and higher energy efficiency: The new patented connecting spigots for ducted particulate filters (KSFS) have been developed in cooperation with RWTH Aachen university, Germany. A sophisticated air distribution system ensures a uniform airflow through all filter elements. Because of this even exposure the service life of the filter elements is significantly increased. And moreover, a lower differential pressure saves energy.