



Protect Your Workforce and Essential Applications

DustRanger: Advanced Filtration for Health and Safety

Introducing the DustRanger Series—a cutting-edge filtration system engineered for the most challenging environments. This high-performance technology provides robust protection for personnel and sensitive machinery against harmful airborne pollutants and toxins, including ammonia, benzene, viruses, and hazardous silica dust. With the flexibility to be tailored with up to four filtration stages, DustRanger addresses the specific needs of diverse applications, ensuring optimal air quality.

Our system is vital for safeguarding work environments by preventing the infiltration of hazardous airborne pollutants, thereby protecting the health and safety of operators across various sectors, including agriculture, mining, remediation, sorting facilities, compost processing, and emergency services.

FLEXIBLE MODULAR DESIGN FOR VARIOUS APPLICATIONS

The DustRanger is available in three main configurations.



**Active
Precleaner**



**Protective
Ventilation System**



**Air Cleaners
for Fuel Cells
& Combustion Engines
incl. Hydrogen**

ACTIVE PRECLEANER



This configuration includes an active blower and serves as a purifier to clean air in enclosed environments or as a precleaner to separate harmful particles from one area to another. Equipped with two small filter elements, it is ideal for maintaining air quality in confined spaces.

FEATURES: Blower 24V DC or 230V AC - Dimensions Ø 280 x 235 mm - Airflow 60 to 600 m³/h (depending on selected filters and blower speed)

APPLICATIONS: Driver cabins, Containerized equipment, mobile clean rooms, any indoor environment requiring purification against dust, gases, or viruses

PROTECTIVE VENTILATION SYSTEM



The Active Precleaner already features two smaller filter elements functioning as a prefilter. When extended with an additional filter body, which can accommodate either two medium or one larger filter, it generates artificial overpressure within cabs, effectively keeping outside air at bay. This innovative air pressure solution guarantees a clean and safe workspace, minimizing exposure to harmful particles and gases while significantly enhancing worker health and productivity. Specifically designed for driver cabins, this enhanced configuration maintains a safe, over-pressurized environment, ensuring optimal air quality for operators with a total of four filtration stages.

FEATURES: Blower 24V DC or 230V AC - Dimensions Ø 280 x 410 mm - Airflow 60 to 600 m³/h (depending on selected filters and blower speed)

APPLICATIONS: Driver cabins, including ISO 15695-2 Category 4, Containerized equipment, mobile clean rooms, any indoor environment requiring purification against dust, gases, or viruses

AIR CLEANERS FOR FUEL CELLS & COMBUSTION ENGINES INCL. HYDROGEN




Without the active blower, the DustRanger transforms into an enhanced air cleaner that retains the same filtration capabilities as the protective ventilation system. This configuration allows for flexible filtration stages, effectively removing harmful gases, dust, and viruses to ensure a clean and safe environment.

FEATURES: Dimensions Ø 280 x 260 mm height

APPLICATIONS: Fuel cells, hydrogen engines, and combustion engines

Flexible and Easy to Retrofit



Designed for seamless integration into any vehicle or machinery — whether on-road, off-road, mining, agricultural, or for emergency services — the DustRanger Series guarantees enhanced air quality and improved working conditions.