



HS-Airifyre 6000 High Performance Air Purifier



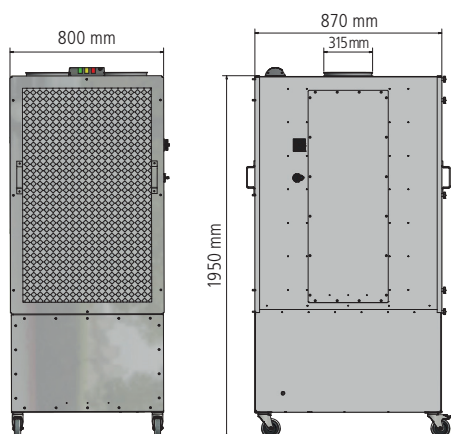
HS-Airifyre 6000 is a mobile high performance air purifier for effective separation of aerosols, particles, dusts and microorganisms (e.g. Sars-Cov-2). HS-Airifyre 6000 is designed to drastically minimize microbial contamination (mold spores, bacteria or viruses) in food processing operations to protect health and products. Likewise, HS-Airifyre 6000 can be used in industrial areas to reduce fine dust (e.g. construction dust, asbestos, pigments, packaging, paper, wood & plastic processing) and particle fractions from smoking (e.g. welding fumes, tobacco) as well as to filter oily aerosols.

The easy-to-disinfect housing is made of either powder-coated sheet steel or stainless steel 1.4301. It provides space for two filter stages each (ISO ePM1 70% and EN 1822 H14) via the two inlet zones. In addition, the design meets the hygiene requirements for room air conditioning systems in accordance with VDI 6022. The LED signal display shows the operating status and the degree of loading of the filters. The two controllable EC fans deliver a total air flow up to >6000 m³/h with a filter performance >99.995% @ MPPS (most penetrating particle size: approx. 0.1 - 0.3µm). This means that particles <0.1µm and >0.3µm are separated with much higher efficiencies also including Sars-Cov-2 viruses. The system provides two Ø315 mm Jacob flanged closable ports to easily integrate the unit into the local air distribution system. All components are free of problematic substances such as EDC's (Bisphenol-A), DEHP, DINP, DDO and other phthalates as well as formaldehyde.

HS-Airifyre 6000 is delivered ready to plug in and is ready for immediate use. The internal silencers allow comparatively quiet operation even at high airflow rates.

Filter types	Filter class, efficiency	
prefilter:	2 x HS-Beta Pak	ISO ePM1 70%
mainfilter:	2 x HS-Mikro SF-AL	EN 1822 H14 / >99,995% @ MPPS

The EC fans offer a diagonal impeller with three-dimensional guide vane. The operating points can be selected via a 5-step switch. Optionally, the fans can also be controlled via a frequency controller.



Housing	<ul style="list-style-type: none"> size W:800 x H:1950 x D: 870 mm mobile or stationary (floor- or wallmount) robust, corrosion- & humidityresistant
Operational conditions	<ul style="list-style-type: none"> max. r.h. 90 % operational temperature -10°C up to +45°C
Power	<ul style="list-style-type: none"> rated voltage 230 V rated frequency 50 Hz rated amperage 6 A nominal power 1400 W
Air flow	<ul style="list-style-type: none"> up to >6000 m³/h
Status indicator	<ul style="list-style-type: none"> signal light (operation, malfunction, filter change)
Connectors	<ul style="list-style-type: none"> 2 x Ø 315 mm Jacob flange
Form of delivery	<ul style="list-style-type: none"> ready to plug in, palletized
Optionen	<ul style="list-style-type: none"> housing made from stainless 1.4301 UV-C air sterilization (for added safety) activated carbon VOC filterstage antistatic filter for EX areas

documents might be subject to change / issue Aug. 2021