

CleanAirTower

Art. No.: 390 620



Applications

- Workshops where local exhaust ventilation is not possible
- To complement local exhaust ventilation systems
- Environments with changing sources of smoke and dust
- Workstations, Workshops, Logistic and distribution centres

Benefits

- Effective energy reduction of possible sparks and particles by the pinball method with 7 or more collision points
- Effective efficiency through tornado principle
- Minimization of heating costs due to air recirculation and air distribution
- Enormously long filter lifetime due to optimised air flow
- Increased safety with contamination-free dust disposal
- Low risk potential due to foreign bodies
- Cost-effective installation or retrofit, as no ductwork is needed
- New head element can be retrofitted to existing systems
- Safe transportation and easy installation by crane eyes
- Permanent operation by means of automatic dust disposal in dust collection bin

Properties

- Automatic filter cleaning
- Lifting eyes
- Effective baffle plates for spark pre-separation
- KEMPER-Cloud connection via mobile network*
- Contamination -free dust disposal in one-way containers.
- Optimised airflow
- Pinball method and tornado principle
- Displacement flow principle, recommended by health and safety bodies
- System barely generates air turbulence

Accessories

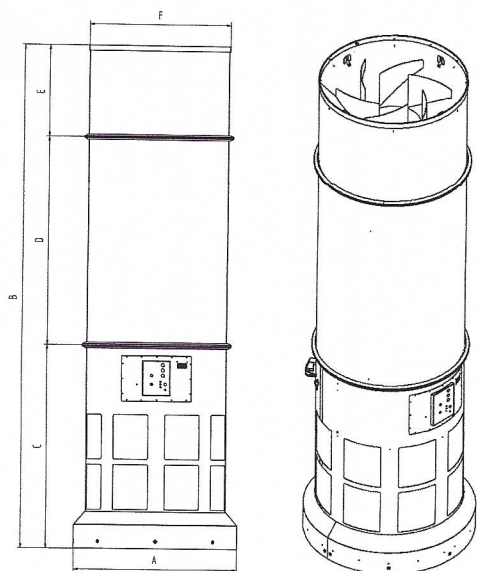
- AirWatch

COMPRESSOR
REQUIRED
SELF CLEANING



Technical Data

Filter	
Filter stages	1
Filter method	Cleanable filter
Filter cleaning method	Rotating nozzle
Filter surface	20 m ²
Number filter elements	3
Filter surface total	60 m ²
Filter material	PTFE-membrane
Filter efficiency	> 99.9 %
Dust classification	M
Basic data	
Extraction capacity	6000 m ³ /h
Height	3622 mm
Diameter	1172 mm
Weight	666 kg
Motor power	5.5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	11 A
Control voltage	24 V, DC
Noise level	72 dB(A)
Additional information	
IFA-Certification	W3-Approved
Fan type	Radial fan, direct driven
Compressed air supply	5 - 6 bar
Capacity Dust collection container	10 l



Technical Data

Dimensions	
A	1004 mm
B	3622 mm
C	1463 mm
D	1502 mm
E	600 mm
F	1172 mm

The shown transition pieces are optional

AirWatch

Art. No.: 390 200



Technical Data

Basic data	
Diameter	128 mm
Dimensions (D x H)	128 x 340 mm
Weight	2.9 kg
Power supply	1x100-240 V, 50/60 Hz
Power	10 W
Noise level	30 dB(A)
Radio standard	3G/Global
Frequency	Quad-band

* Cloud function: Cloud use free of charge of 12 months

Applications

- Monitoring and documentation of air quality/dust concentration*
- Workstations, production halls, logistic halls and warehouses
- Efficient control of room-ventilation and extraction systems*

Benefits

- Visual display of the limit values by LED light area (green, yellow, red)
- Documentation through detailed measurements and storage of the data in the KEMPER Cloud*.
- Presentation of the effectiveness of occupational safety measures on the AirWatch itself or in the KEMPER Cloud*
- Energy cost savings through demand-oriented ventilation control of KEMPER general ventilation systems

Properties

- Visual, laser-operated measurement methods
- Individually adjustable limit values and alarm thresholds*
- LED light area to indicate the air quality on the AirWatch itself (green, yellow, red)
- Fleet management via cloud connection*
- Extensive evaluation options in the dashboard*
- Displays particle count, size distribution as PM2.5 and PM10 on smartphone, tablet and PC*
- KEMPER-Cloud connection via mobile network*

Accessories

- KEMPER-Connect Cloud