

360° intake
Consistent intake of the contaminated air



Bumper
The tower is equipped with specific impact protection

Low-impulse air circulation
No dust distribution into clean areas, as barely any air turbulence is created

Applications

- » Workshops where local exhaust ventilation is not possible
- » To complement local exhaust ventilation systems
- » Environments with changing sources of smoke and dust
- » Production and logistic areas

Mode of operation

- » Contaminated warm air is rising and will be captured by the 360° intake to be filtered by the clean air tower
- » The cleaned air is returned to the workspace by low level outlets
- » The warm fresh air is pushing the welding smoke again towards the 360° inlet

Benefits

- » Minimization of heating costs due to air recirculation and air distribution
- » Increased safety with contamination-free dust disposal
- » No dust distribution into clean areas, as barely any air turbulence is created
- » Cost-effective installation or retrofit, as no ductwork is needed
- » Safe transportation and easy installation by crane eyes
- » Permanent operation by means of automatic dust disposal in dust collection bin

Technical Data

Filter	
Filter stages	2
Filter method	Cleanable filter
Filter cleaning method	Jet-pulse
Filter surface	ca. 58 m ²
Number filter elements	1
Filter material	PTFE-membrane
Filter efficiency	> 99.9 %
Dust classification	M
Additional filters	Cyclone pre-filter
Basic data	
Extraction capacity	6,000 m ³ /h
Height	3,545 mm
Diameter	1,172 mm
Weight	653 kg
Motor power	5.5 kW
Power supply	3 x 400 V / 50 Hz
Rated current	11 A
Noise level	69 dB(A)
Additional information	
IFA-Certification	W3-Certification submitted
Fan type	Radial fan, direct driven
Compressed air supply	6 - 8 bar

CleanAirTower

- » Stand-Alone Installation
- » Principle of layer ventilation



Properties

- » Automatic filter cleaning
- » Lifting eyes
- » 360° lamella air intake
- » Contamination-free dust disposal in dust collection bin
- » Slow, low-impulse air circulation
- » Displacement flow principle, recommended by health and safety bodies
- » System barely generates air turbulence
- » AirWatch (optional)