

*The air purifiers*



# TEKA AirTech P18 (with IFA certificate)



## Description

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## How does the AirTech system work?

The polluted air enters the systems via the lateral suction ducts with intake points located in 4 m height and is guided into the filter section. The polluted particles deposit on the surface of the filter cartridges. The filter cartridges are dedusted automatically within the required intervals with the help of compressed air. The particles that stick to the cartridges are released by means of the compressed air blast and are collected in the dust container. A heating grid that is available optionally warms up the cleaned air to the desired temperature. Afterwards the cleaned air returns to the working space via long range ejector nozzle that can be individually adjusted.

Due to this, the polluted air is also guided in direction of the intake ducts. The system is equipped with a particle sensor on the pure air side as safety device. This enables a permanent safety monitoring of the system, e.g. against burst of the filters. In case of a fault notice, the fan is switched off automatically. In the same time, the control unit of the system sends a visual and an acoustic signal to warn the user.

## Does the AirTech system possess a certification?

The AirTech series is certified according to DIN EN ISO 21904-1/-2 and examined by the **IFA** (Institute for Occupational Safety and Health of the German Social Accident Insurance formerly BGIA) regarding hazardous materials who approved it for the welding fumes class W3 as fixed system for the extraction of welding fumes.

## Properties

Engine control system design:	Sold separately, including cable
Filter control structure:	Sold separately, including cable
medium to be filtered:	grease-free or oil-free dust / fumes
Volumetric flow (m <sup>3</sup> /h):	18,000
max. pressure (Pa):	2,250
Engine power (kW):	11
Supply voltage (V):	400
Connection frequency (Hz):	50
Current consumption (A):	22.5
Current type:	3Ph+N+PE
Filter control:	Siemens (S7 + LOGO)
Engine control:	Star-delta connection
main filter:	filter cartridge
Cartridges number:	9
Filter surface (m <sup>2</sup> ):	36
Separation efficiency (%):	> 99
Ausblas:	NW 450 – Back

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*Properties*

Sound level (dB(A)):	72 – in accordance with DIN EN ISO 3744
Weight (kg):	2,250
Width (mm):	2,522
Depth (mm):	1,440
Height (mm):	6,564
Colour:	RAL 7016

*Replacement parts*

Filter cartridge, filter area 36 m<sup>2</sup>  
Product No.: 6161720136008