AirTech Central suction and filter unit

Suitable for

Circulation of large volumes of air



AirTech P30

Description

The filter system is IFA-tested in accordance with DIN EN ISO 21904-1/-2. However, the IFA certificate is only valid if the system is used to capture fumes at the point of origin.

In many cases, local exhaust ventilation alone is not sufficient to fall below the legally prescribed workplace limits and thus eliminate any danger to humans. In such cases, it is necessary to additionally ventilate the room.

The polluted air is sucked in through grilles at a height of approx. 3-4 m and then filtered. The purified air is returned to the room via nozzles at ceiling height.

The advantages of the AirTech system lie in its optimal suction performance of the filter system (long cartridge service life, excellent suction power), user-friendliness and low maintenance requirements.

Since no piping is required, the location of the system is flexible.
Heating costs can be significantly reduced by recirculating air into the workroom. However, the provisions of the new Hazardous Substances Ordinance (GefStoffV) must be taken into account.

The filter systems are equipped with dust class M filter cartridges (separation efficiency ≥ 99%) and feature a specially developed cleaning system consisting of a combination of display control and the POWER-SPRÜH system. This combination ensures excellent cleaning performance of the filter cartridges, guaranteeing optimum extraction performance throughout the entire operation.



Technical Data

AirTech Central suction and filter unit	
Max. volumetric flow of the fan	18000 – 30000 m³/h
Motor performance	11,0 – 22,0 kW
Separation efficiency	≥ 99 %

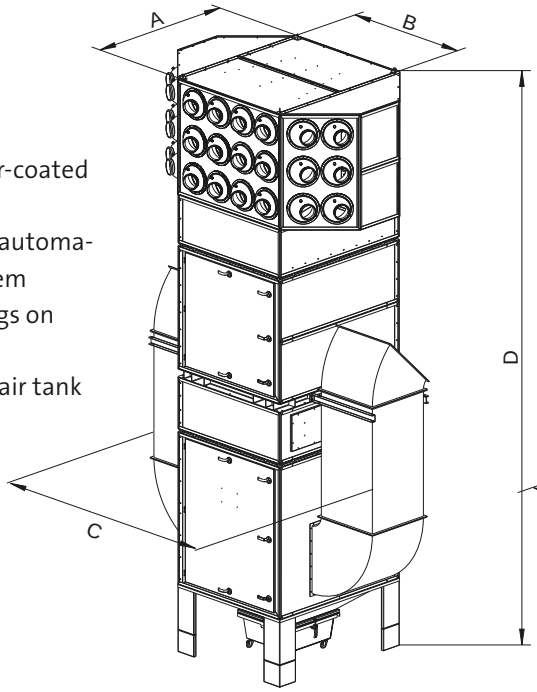
Our Hotline
+49 25 41 84 84 1 300

Standard equipment

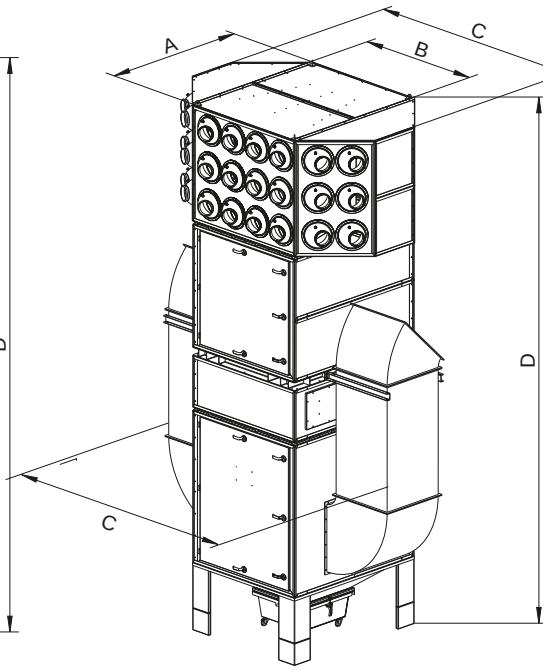
- Sturdy sheet steel housing (powder-coated inside and out)
- Wear- and maintenance-free, fully automatic cleaning via POWER-SPRAY system
- Filter housing with air inlet openings on both sides
- Cleaning system with compressed air tank
- Fan with soundproof housing
- Filter cartridges of dust class M
- Intake ducts
- Display control
- NANNOX filter aid
- PE bag for the dust collection tray

Available as an option

- Intake pipe
- Device for connecting pipes
- Frequency converter
- Safety system with particle sensor, extinguishing device and door with viewing windows



Unit with silencer housing



Unit without silencer housing

Dimensions		A	B	C	D	Amount of nozzles
with silencer housing	AirTech P18	1440 mm	1440 mm	3200 mm	6570 mm	17
	AirTech P24	1880 mm	1600 mm	3510mm	6810 mm	20
	AirTech P30	1880 mm	1600 mm	3510 mm	6810 mm	24
without silencer housing	AirTech P18	1440 mm	1440 mm	3200 mm	6000 mm	17
	AirTech P24	1880 mm	1600 mm	3510mm	6240 mm	20
	AirTech P30	1880 mm	1600 mm	3510 mm	6240 mm	24

Available versions

AirTech Central suction and filter unit for clean indoor air			
Max. volumetric flow of the fan	*18000 m³/h*	*24000 m³/h*	*30000 m³/h*
Motor performance	*11,0 kW*	*15,0 kW*	*22,0 kW*
Filter surface	*324 m² (9 x 36 m²)*	*324 m² (9×36 m²)*	*432 m² (12×36 m²)*
	AirTech P18 940141618	**AirTech P24** 940141624	**AirTech P30** 940141630

Replacement cartridges for **AirTech** (standard P18/P24 = 9 cartridges, P30 = 12 cartridges)



Filter cartridge 36 m²,
327 x 1715 mm

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Subject to changes and errors. Illustrations may contain optional equipment.