

*The air purifiers*



# FilterCube 4H, 5,5 kW, 62,4 m<sup>2</sup>



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## Description

Product No.: 9501441055062100

# FilterCube 4H, 5,5 kW, 62,4 m<sup>2</sup>

The FilterCube 4H stationary filter unit is an IFA-tested filter system that takes up very little space and can be used for an extremely wide range of applications, primarily in the metalworking sector.

Filtration performance of over 99 % ensures that fumes and dusts are reliably separated out. The filter cartridges are cleaned by means of compressed air, meaning that it is not necessary to replace the filters until the through-flow of air is no longer sufficient.

The dust can be removed from the collecting tray very easily. This reduces downtimes to a minimum. The clean air can usually be fed back into the workplace, meaning that during periods in which heating is required, in particular, no new hot air has to be fed into the premises. In this way, the FilterCube helps reduce energy costs.

## Standard equipment

- Four standard filter cartridges, with filter surface area depending on air flow rate
- Display-controlled filter cleaning
- Fan control
- Elbow silencer for upward air outlet

## Possible options

- Other grades of filter cartridge, with filter surface area depending on air flow rate
- Soundproof housing for fan (reduces the noise level by approx. 6 dB(A))
- Soundproof housing with rear-mounted casing (reduces the noise level by approx. 8 dB(A))
- Hepa filter extension set as final stage (quality H13 with 99.9 % filtration efficiency)
- Activated carbon filter extension set for filtration of gases and odours
- Safety upgrade (particle sensor, compressed air shut-off valve, maintenance door with inspection window for FilterCube 4H/4N with connecting device for CO<sup>2</sup> fire extinguisher)

## Possibility of combined use with other TEKA products

- Collecting devices such as suction arms, cranes or suction tables
- Spark separator
- Automatic dosing device for precoating

## Properties

Cleaning pressure (bar):	3–4
Compressor capacity (litres per minute):	75
Dust container volume (litres):	50
Engine control system design:	Sold separately, including cable
Fan design:	on the grounds
Main filter quantity:	4
drive type:	direct drive fan, low maintenance
fan:	direct drive, low maintenance
medium to be filtered:	dry, grease-free or oil-free dust / smoke
Volumetric flow (m <sup>3</sup> /h):	6.000

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## Properties

max. pressure (Pa):	4,100
Operating point:	4,000 m <sup>3</sup> /h at 3,300 Pa
Engine power (kW):	5.5
Supply voltage (V):	400
Connection frequency (Hz):	50
Current consumption (A):	11.5
Current type:	3Ph+N+PE
Automatic cleaning:	Yes
Filter control:	Siemens (S7 + LOGO)
Engine control:	Star-delta connection
Vorfilter:	incl.
main filter:	filter cartridge
Cartridges number:	4 to 15.6
Filter surface (m <sup>2</sup> ):	15.6
Separation efficiency (%):	> 99
Ansaugstutzen (mm):	NW 315 – left or right side
Ausblas:	left or right side – using a TEKA silencer (300 x 300 mm*)
Sound level (dB(A)):	78 – in accordance with DIN EN ISO 3744
Width (mm):	800
Depth (mm):	800
Height (mm):	2,920
Colour:	RAL 7016

*Replacement parts*



Filter cartridge, filter area 15,6m<sup>2</sup>  
Product No.: 6161200115608

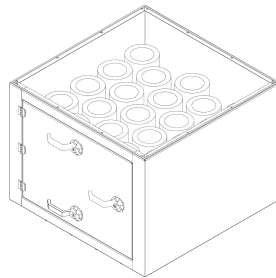


PE-bags (pack of 10) for  
Product No.: 10030251

*Accessories*



Filter cartridge, type easy clean plus  
Product No.: 6161200225308



Activated carbon extension kit  
Product No.: 40009501440



Filter cartridge, Typ easy clean plus  
Product No.: 6161200215606



Adapter for FilterCube 4 of diam. 500 mm  
Product No.: 9501441940111



Frequency converter with pressure transmitter for  
Product No.: 962002009055



Start-Stop Automatic  
Product No.: 150010016



Master-Slave-Control 32A(incl. Transf. for 24V AC)  
Product No.: 150010032



Filter cartridge, Type easy clean nano  
Product No.: 6161200325308



Filter cartridge, Type easy clean nano  
Product No.: 6161200315606



Extension set Hepa filter (H13)  
Product No.: 4000950144002



Mater-Slave-Control 16A (incl. Transf. for 24V AC)  
Product No.: 15001001602



Master slave junction box for controlling a motor  
Product No.: 15001001604



Option soundproof housing for FilterCube 4  
Product No.: 950144194712



Option soundproof housing for FilterCube 4  
Product No.: 950144194718



Option silence housing box for the back of a  
Product No.: 950144194011



Cartridge protection NANNOX P50  
Product No.: 68130000100



Cartridge protection NANNOX P50  
Product No.: 68130000400



Cartridge protection NANNOX P50  
Product No.: 68130010000