

The air purifiers



FilterCube 4H, 3,0kW, 31,2 m²



(Page: 1 for product 9501441030031100)

Description

Product No.: 9501441030031100

FilterCube 4H, 3,0kW, 31,2 m²

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 CO² 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):	2–4
Compressor capacity (litres per minute):	75
Dust container volume (litres):	50
Engine control system design:	Can be fitted separately, including a 5 m cable (from the pneumatic housing)
Fan design:	on the grounds
Intake manifold (mm):	NW 250 – left-hand side
Main filter quantity:	4
System structure:	Can be mounted separately, including 5 m cable (from pneumatic housing)
Volume (m ³):	50 litres

(Page: 2 for product 9501441030031100)

Properties

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 (m³/h):	4.000
max. pressure (Pa):	3,250
Operating point:	3,000 m³/h at 3,000 Pa
Engine power (kW):	3
Supply voltage (V):	400
Connection frequency (Hz):	50
Current consumption (A):	6.6
Current type:	3Ph+N+PE
Automatic cleaning:	Yes
Filter control:	automatic filter cleaning
Engine control:	Motor protection switch
Vorfilter:	incl.
main filter:	Dust class in accordance with DIN EN 60335-2-69:2008
Cartridges number:	4 to 7.8
Filter surface (m²):	31.2
Separation efficiency (%):	> 99
Ausblas:	using a TEKA silencer, right-hand side (exhaust through a 450 x 450 mm* grille)
Sound level (dB(A)):	< 78
Width (mm):	800
Depth (mm):	800
Height (mm):	2,920
Colour:	RAL 7016

Replacement parts



Filter cartridge, filter area 7,8m²
Product No.: 6160600107808

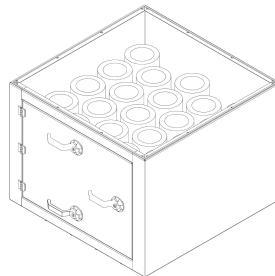


PE-bags (pack of 10) for
Product No.: 10030251

Accessories



Filter cartridge, type easy clean plus
Product No.: 6160600212508



Extension set for FilterCube 4
Product No.: 40009501440



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



Frequency converter with pressure transmitter for
Product No.: 962002009030



Start-Stop Automatic
Product No.: 150010016



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



Filter cartridge, Type easy clean +
Product No.: 6160600207706



Filter cartridge, Type easy clean nano
Product No.: 6160600307706



Filter cartridge, Type easy clean nano
Product No.: 6160600312606



Extension set H13 filter for FilterCube 4
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.: 950144194012



Cartridge protection NANOX P50
Product No.: 68130000100



Cartridge protection NANOX P50
Product No.: 68130000400



Cartridge protection NANOX P50
Product No.: 68130010000