

*The air purifiers*



# FilterCube 2N, 2.2 kW



(Page: 1 for product 9501420022020300)

## Description

Product No.: 9501420022020300

# FilterCube 2N, 2.2 kW

The FilterCube 2N 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

- Two standard filter cartridges, with filter surface area depending on air flow rate
- Display-controlled filter cleaning
- Fan control

## Possible options

- Other grades of filter cartridge, with filter surface area depending on air flow rate
- Safety upgrade (particle sensor, compressed air shut-off valve, maintenance door with inspection window for FilterCube 2N 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):	2–4
Compressor capacity (litres per minute):	75
Dust container volume (litres):	50
Engine control system design:	externally in the control cabinet with a 5 m connection cable
Fan design:	on the unit in the soundproof enclosure
Filter control structure:	sold separately with a 5-metre cable
Intake manifold (mm):	NW 250 - (page on either the left or right)
fan:	direct drive, low maintenance
medium to be filtered:	dry, grease-free or oil-free dust / smoke
Volumetric flow (m <sup>3</sup> /h):	3.500
max. pressure (Pa):	2,900
Operating point:	1,900 m <sup>3</sup> /h at 2,500 Pa

(Page: 2 for product 9501420022020300)

## Properties

Engine power (kW):	2.2
Supply voltage (V):	400
Connection frequency (Hz):	50
Current consumption (A):	5
Current type:	3Ph+N+PE
Automatic cleaning:	Yes
Filter control:	Contaminant-dependent filter cleaning, Siemens S7 controller
Engine control:	Motor protection switch
Vorfilter:	incl.
main filter:	Dust class in accordance with DIN EN 60335-2-69:2008
Cartridges number:	2 to 10
Filter surface (m <sup>2</sup> ):	20
Ausblas:	Back to the top via the sound insulation module
Sound level (dB(A)):	71
Width (mm):	665
Depth (mm):	983
Height (mm):	2,070

## Accessories



Filter cartridge, filter area 7,8m<sup>2</sup>  
Product No.: 6160600107808



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



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



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



Cartridge protection NANNOX P50  
Product No.: 68130000100



Cartridge protection NANNOX P50  
Product No.: 68130000400



Cartridge protection NANNOX P50  
Product No.: 68130010000

Replacement parts



Filter cartridge, type standard,  
Product No.: 6160600110008



PE bags for dust bin, pack of 10  
Product No.: 10030250