The air purifiers

FilterCube 2H, 3.0 kW



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Product No.: 9501421030031300

Description

FilterCube 2H, 3.0 kW

The **TEKA FilterCube 2H** is a central filter unit for welding fume extraction at several workstations at the same time. It is IFA-tested to DIN EN ISO 21904-1/-2 and meets welding fume separation class W3. It works with two long filter cartridges and therefore offers more filter surface than the FilterCube 2N, suited to higher airflows.

At a glance

- **IFA tested W3:** to DIN EN ISO 21904-1/-2
- **Power spray system:** fully automatic cleaning via the display control
- **Filter cartridges:** two suspended, large-area cartridges
- **Pre-separation:** copper deflector plate

Your benefits

- **For high-alloy steels:** The W3 certification covers fumes from welding-related cutting and joining processes on unalloyed and high-alloy chrome-nickel steels.
- **Cleaning as needed:** The cartridges are cleaned with compressed air depending on the degree of soiling, without wear-prone rotating nozzles and with low cleaning pressure.
- **Long service life:** The filter cartridges are factory-coated with a filter aid. A copper deflector plate separates coarser particles in advance and protects the cartridges.
- **Heavy particles straight into the container:** Because the cartridges are suspended and the air flows against them from the side, heavy particles drop directly into the dust collection container.
- **Easy to maintain:** Maintenance doors give access to all operating areas, the cartridges are fixed with clamping brackets and the dust collection container has quick-release fasteners.

Applications

Several manual welding stations, welding robots, flame cutting and grinding tables and extraction tables in metalworking, on unalloyed and high-alloy steels. The unit is designed for dry, oil-free and grease-free fumes and dusts; for grinding, only for non-explosive materials.

Standard equipment

Display control with fully automatic cleaning, two filter cartridges, integrated compressed air tank, dust collection container with quick-release fasteners and PE bag, direct-drive fan with fan control, sound insulation housing for the fan and maintenance doors. The unit is delivered ready for operation; the electrical and compressed air connections are made on site by a qualified technician.

Options with IFA certificate

Safety device with particle sensor, extinguishing device and door with viewing window, dosing unit for filter aid, spark pre-separator and Easy-Clean-Plus filter cartridges.

Further accessories

Master-slave control and filter aid for topping up.

The operating instructions are in the Downloads tab. More solutions for welding fume extraction can be found on our overview page.

Properties

Cleaning pressure (bar):	2–4
Compressor capacity (litres per minute):	75
Dust container volume (litres):	50
Fan design:	on the unit in the soundproof enclosure
Filter control structure:	mounted on the housing

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Properties

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):	3,300
Operating point:	3,000 m³/h at 2,600 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:	Siemens (S7 + LOGO)
Engine control:	Motor protection switch
Vorfilter:	incl.
main filter:	filter cartridge
Cartridges number:	2 to 15.6
Filter surface (m²):	15.6
Ansaugstutzen (mm):	NW 250 – left or right side
Ausblas:	through the vent openings in the sound-absorbing baffle
Sound level (dB(A)):	76 – in accordance with DIN EN ISO 3744
Width (mm):	665
Depth (mm):	983
Height (mm):	2,670
Colour:	RAL 7016

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Replacement parts



Filter cartridge, filter area 15,6m²
Product No.: 6161200115608



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

Accessories



Filter cartridge, filter area 20m²
Product No.: 6161200120008



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



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



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

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



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

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