

*The air purifiers*



# CartMaster IFA for wall mounting



(Page: 1 for product 97530)

## Description

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## TEKA CartMaster IFA Wall – Stationary Extraction System for Maximum Efficiency

The **TEKA CartMaster IFA Wall** is a powerful stationary cartridge filter system designed for use at up to two welding workstations. With its **IFA certification** according to DIN EN ISO 21904-1/-2 for welding fume class W3, this unit offers the highest level of safety, even when processing high-alloy steels.

Thanks to a high-performance fan, the CartMaster IFA Wall ensures consistently high extraction performance, even during intensive use. The fan is designed to maintain a high airflow rate even with saturated filters, significantly increasing the system's efficiency. The robust construction made of powder-coated steel not only guarantees durability but also high resistance to mechanical stress and environmental influences common in industrial environments.

A special feature of the CartMaster IFA Wall is its integrated cleaning system with innovative power-spray technology. This system operates fully automatically, ensuring the filter cartridges remain in optimal condition. The use of low cleaning pressure reduces compressed air consumption and minimizes wear, as rotating nozzles are not required. This leads to a significant reduction in maintenance costs while extending the lifespan of the filter elements.

The cleaned particles are collected in a generously sized dust collection drawer, which is easily accessible and simple to empty. An additional integrated **copper baffle plate** protects the filter cartridges from sparks and hot particles, further enhancing operational safety. The filter cartridges themselves are coated with a special protective agent that significantly extends their service life compared to conventional filters and improves air purification efficiency.

Despite its high performance, the system operates remarkably quietly, making it suitable for use in noise-sensitive work environments. This makes the CartMaster IFA Wall an ideal choice for companies that value both efficiency and a pleasant working environment.

### Your Benefits at a Glance:

- **Highly Efficient Air Purification:** Achieves over 99% separation efficiency for effective filtration of welding fumes and dust.
- **Self-Cleaning Filter System:** Automatic filter cleaning ensures consistent performance with minimal maintenance.
- **Robust & Reliable:** Durable steel construction with additional filter protection provided by a copper baffle plate.

### Efficient Filtration Technology for Maximum Demands

The CartMaster IFA Wall offers consistently high extraction performance thanks to its advanced filtration technology. The filter cartridges are coated with a special protective layer, significantly extending their lifespan compared to conventional filters. Cleaned particles are safely collected in a dust drawer, which can be easily emptied. The system operates quietly, making it suitable for noise-sensitive environments.

### Ideal for:

- Welding Workstations (High-Alloy Steels)
- Metal Processing
- Workshops and Production Environments

**Maximize your workplace safety with the TEKA CartMaster IFA Wall** – for clean air, low maintenance costs, and maximum efficiency.

*Discover now how the CartMaster IFA Wall can sustainably improve your working conditions!*

## Properties

Volumetric flow (m <sup>3</sup> /h):	3,500
max. pressure (Pa):	2,900
Engine power (kW):	2.2
Supply voltage (V):	400

(Page: 2 for product 97530)

## Properties

Connection frequency (Hz):	50
Current consumption (A):	5.0
Automatic cleaning:	Yes
Pre-filter:	deflector plate
main filter:	filter cartridge
Separation efficiency (%):	> 99
Sound level (dB(A)):	72 – in accordance with DIN EN ISO 3744
Weight (kg):	165
Width (mm):	665
Depth (mm):	681
Height (mm):	2,100
Colour:	RAL 7016

## Accessories



Exhaust ventilation hood, made from metal  
Product No.: 104901



On/off switch via suction hood  
Product No.: 96313321



Lighting for 1 suction arm incl. hood  
Product No.: 96323



Lighting for 2 suction arms/cranes  
Product No.: 96324



Suction arm, 4m, diam.150mm  
Product No.: 97603



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



Adapter for extraction hood; diam.: 150  
Product No.: 66210



Adapter for extraction hood; diam 150 mm,  
Product No.: 66220



Protection grille (finely woven) for installation  
Product No.: 10372



Start-Stop Automatic  
Product No.: 150010016



Master-Slave-Control 32A(incl. Transf. for Mater-Slave-Control 16A (incl. Transf. for 24V AC)  
Product No.: 150010032



Product No.: 15001001602



Master slave junction box for controlling a motor

Product No.: 15001001604



Cartridge protection NANNOX P50

Product No.: 68130000100

### Replacement parts



Filter cartridge, type standard,  
Product No.: 6160600110008



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



Exhaust ventilation hood diam. 150 mm  
Product No.: 66200