

# MTK/MCK-3K SERIES MOBILE DUST & WELDING FUME EXTRACTION UNIT (CARTRIDGE FILTER)

## Overview

The MTK/MCK-3K Series mobile cartridge filter extraction units are designed to efficiently capture harmful dust and welding fumes generated in industrial production environments. Their high-performance cartridge filtration system ensures reliable operation while the mobile design allows easy transportation between workstations. Fine dust particles and welding fumes are captured with high efficiency, improving workplace air quality.

## High-Efficiency Cartridge Filter System

Large-surface cartridge filters provide excellent filtration efficiency, even for ultrafine particles. Optional automatic pulse-jet cleaning systems can be integrated to extend filter life and simplify maintenance.

## Single and Dual Arm Options

Single-arm models are ideal for individual workstations. Dual-arm models allow simultaneous extraction from two locations and each extraction arm can be adjusted independently for maximum flexibility.

## Advantages

- Portable design
- High-efficiency cartridge filtration
- Optional Nanofiber, PTFE-coated Polyester and Antistatic filters
- Single or dual extraction arm configurations
- Quiet and energy-efficient operation
- Optional automatic pulse-jet filter cleaning

## Technical Specifications

MTK-3K: 1.5 kW motor, 220 V, 2,150 m<sup>3</sup>/h max airflow, 1,250 m<sup>3</sup>/h extraction airflow, noise 69 dBA, dimensions 670×810×910 mm, weight 80 kg.

MCK-3K: 2.2 kW motor, 220 V, 3,000 m<sup>3</sup>/h max airflow, 2,500 m<sup>3</sup>/h extraction airflow, noise 71 dBA, dimensions 800×1040×950 mm, weight 120 kg.

Both models include a washable metal spark arrestor pre-filter and cartridge filter. Housing is manufactured from electrostatic powder-coated steel.

## Filter Options

Nanofiber Filter: captures ultra-fine particles while maintaining low pressure drop. PTFE-Coated Polyester Filter: ideal for sticky and humid dusts with easy-clean surface. Antistatic Filter: minimizes static electricity and is recommended for ATEX-related dust applications.

## Contact

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