Product leaflet

MCP-12S-APT Air Purification Tower

Self-contained, cartridge dust collectors for ambient air cleaning

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MCP-12S-APT Air Purification Tower

- Compact and efficient design. Twelve high-capacity, patented cartridge filters with fire-retardant, Nanofiber media increase efficiency, reduce energy consumption, extend filter life, and shrink footprint by 20% compared to previous generations.
- Flexible and adaptable configuration. Low and High models with 60 individually adjustable nozzles can cover simple and complex arrangements. The High model has a clean air return header that can rotate 360° and extend in height, allowing the unit to deliver air in optimal airflow patterns in complex environments.
- Powerful and quiet fan. A robust and reliable Combifab-F series fan, enclosed in a sound attenuation chamber, keeps sound levels below 72 dB(A).
- Integrated, user-friendly controller. Operates fan and filter cleaning, with clear visualization of device status. It also has remote/start-stop signals and timers to automate operation. Each model can have a Variable Frequency Drive (VFD) for enhanced airflow control and energy efficiency.
- Simple and convenient installation and maintenance. Delivered as three pre-mounted and pre-wired components, and once installed, has single-side access to all vital unit components. A large dust bin ensures extended maintenance intervals.

The MCP-12S-APT Air Purification Tower (APT) is an innovative solution for ambient clean air in factories with welding fumes or suspended dust. It can be used as a standalone unit or in a network of units, depending on the workshop's size and layout. It is ideal for situations where source capture is impractical or insufficient for comprehensive air cleaning.
The Air Purification Tower has various applications, such as large part welding, areas with cranes or obstructions that prevent overhead ducts, areas that need a lot of movement or general ventilation for nuisance dusts.

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Certifications	CE
Installation	Indoor
Filter cleaning method	Pulse jet
Application	Fumes
Filter Area (m²)	158
Capacity (max airflow m3/h)	10000
Power Voltage (V)	400
Frequency (Hz)	50
Filter type	[cartridge]
Number of filter elements	12
Power (kW)	10.0

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Models

	Item no	Weight (kg)
	73001824[1]	950
	73002325	900
	73001823[1]	900
	73002326	950

[1] Includes inverter

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Accessories

	Accessory	Item no
	Filter regulator	55999315
	Level indicator for dust bin	55999316
	4 m connection cable set with CEE plug (pre-mounted)	55999328
	This adjustable duct piece set can be clamped with QF connection between the dual silencer and the outblow for allowing a higher outblow position. The duct length can be adjusted between 1400 mm (55 inch) and 2400 mm (94.5 inch).	7945520

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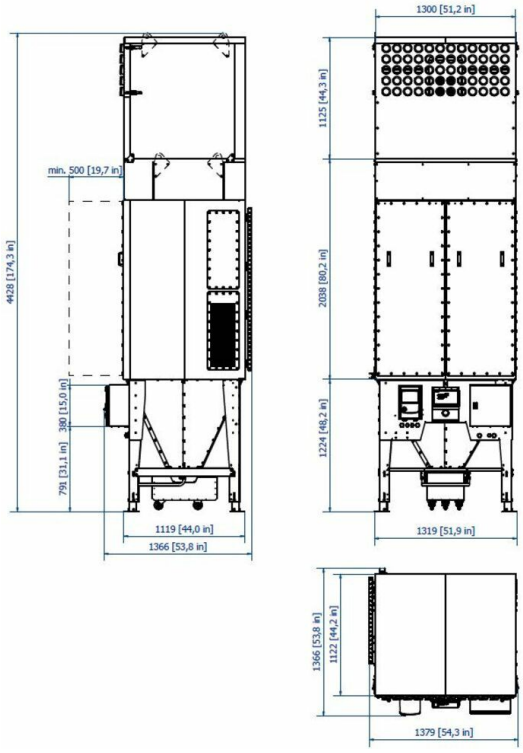
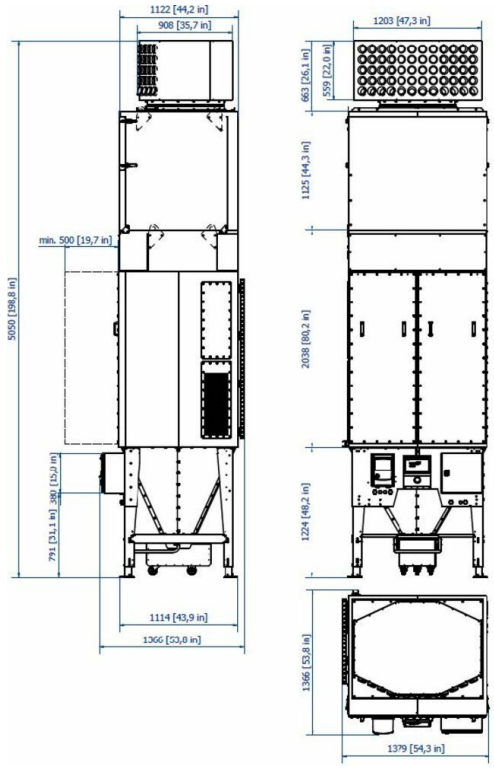


Dimensions MCP-12S-APT LOW version



Dimensions MCP-12S-APT HIGH version

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