

MCP-12S-APT Air Purification Tower

Self-contained, cartridge dust collectors for ambient air cleaning

MCP-12S-APT Air Purification Tower



MCP-12S-APT, High version

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.

- 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.

Nom du produit	MCP-12S-APT Air Purification Tower
Niveau sonore (dB(A))	72 (at 1m (3,28 ft.) from unit at 1,6 m (5.25 ft.) height)
Consommation d'air comprimé	16,5 NI/cleaning puls (0.6 cfm) 50 NI/min at 20 s interval (1.6 cfm/min) 165 NI/min after cleaning (5.9 cfm/min)
Installation	Intérieur
Matériel	Galvanised sheet metal
Méthode de décolmatage	Jet d'air pulsé
Application	Fumée
Pression de fonctionnement (kPa)	Negative pressure max 6 kPa (24 inch / 6000 Pa)





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Volume du seau (l)	50 l with wheels (13 gal.)
Surface filtrante (m ²)	158 (1700 ft ²)
Capacité (débit max m ³ /h)	10000 (5900 cfm)
Operating Temperature	-20°C to 70 °C (-4°F to 158°F)
Tension (V)	400
Fréquence (Hz)	50
Type de filtre	Filtre à cartouche
Nombre d'éléments filtrants	12
Média filtrant	SC178 polyester material with nanofiber (80% cellulose, 20% polyester), suitable for fine dust and welding fumes
Puissance (kW)	10.0






Fumée

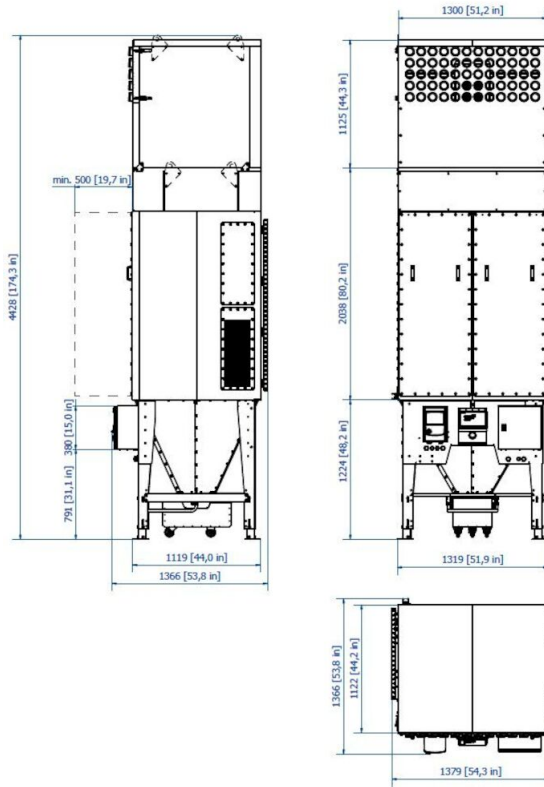
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[image]	Poids (kg)	[model]
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	950	73001824
	900	73002325
	950	73002326

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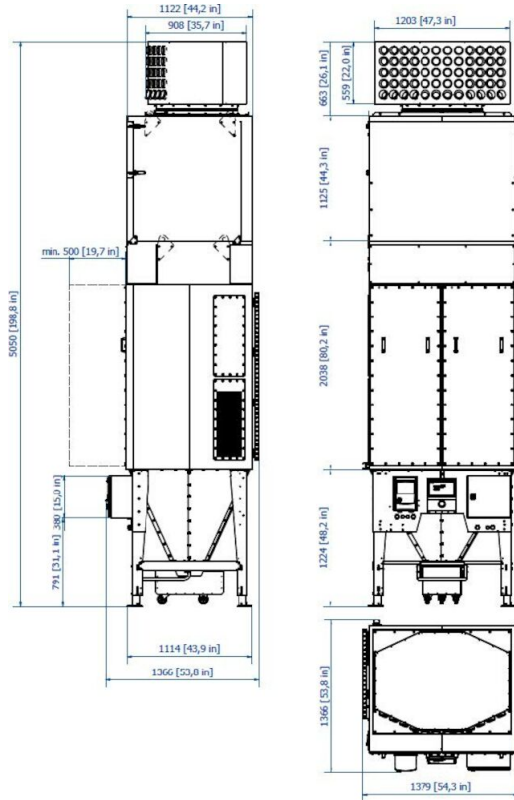
[accessory]		[partno]
	Filter regulator	55999315
	Level indicator for dust bin	55999316
	Duct piece for room cleaning Ø710 (28 inch)	7945520

MCP-12S-APT Air Purification Tower



Dimensions MCP-12S-APT LOW version

MCP-12S-APT Air Purification Tower



Dimensions MCP-12S-APT HIGH version