

# 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.

|                             |  |
|-----------------------------|--|
| Наименование товара         | MCP-12S-APT Air Purification Tower   |
| Уровень шума (дБ(A))        | 72 (at 1m (3.28 ft.) from unit at 1,6 m (5.25 ft.) height)   |
| Потребление сжатого воздуха | 16,5 NI/cleaning puls (0.6 cfm)<br>50 NI/min at 20 s interval (1.6 cfm/min)<br>165 NI/min after cleaning (5.9 cfm/min) |
| Установка                   | Снаружи помещения  |
| Материал                    | Galvanised sheet metal   |
| Метод очистки фильтра       | Импульсная продувка  |
| Применение                  | дым  |
| Рабочее давление (кПа)      | Negative pressure max 6 kPa (24 inch / 6000 Pa)  |





## MCP-12S-APT Air Purification Tower

|  |  |
|--|--|
| Объем пылевого контейнера (л)                                  | 50 l with wheels (13 gal.)   |
| Площадь фильтра (м <sup>2</sup> )                              | 158 (1700 ft <sup>2</sup> )  |
| Производительность (макс. воздушный поток м <sup>3</sup> /час) | 10000 (5900 cfm)   |
| Рабочая температура  | -20°C to 70 °C ( -4°F to 158°F )   |
| Напряжение (В)   | 400  |
| Частота (Гц)   | 50   |
| Тип фильтра  | Картриджный фильтр   |
| Количество фильтроэлементов                                    | 12   |
| Фильтрующий материал   | SC178 polyester material with nanofiber (80% cellulose, 20% polyester), suitable for fine dust and welding fumes |
| Мощность (кВт)   | 10.0   |







дым

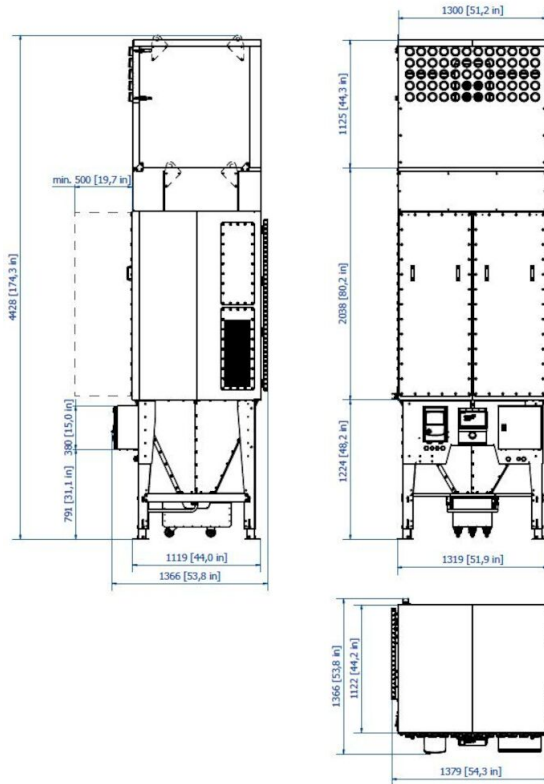
## MCP-12S-APT Air Purification Tower

| [image]   | Bec (kr) | [model]  |
|---|----------|----------|
|  | 900      | 73001823 |
|  | 950      | 73001824 |
|  | 900      | 73002325 |
|  | 950      | 73002326 |

## MCP-12S-APT Air Purification Tower

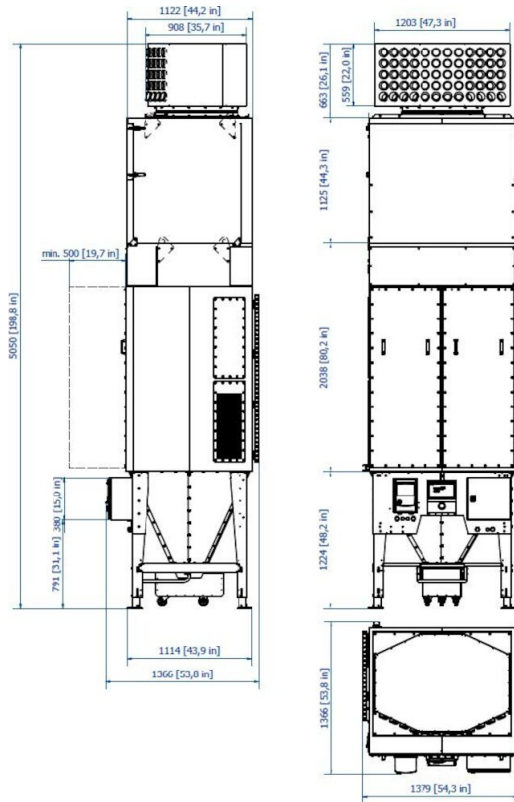
|   | [accessory]  | [partno] |
|---|--|----------|
|  | Filter regulator                                     | 55999315 |
|  | Level indicator for dust bin                         | 55999316 |
|  | Lifting device for fork lift                         | 55999319 |
|   | 4 m connection cable set with CEE plug (pre-mounted) | 55999328 |
|  | 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