

*The air purifiers*



# LMD 501



## Description

# LMD 501

The mobile LMD 501 filter unit model has been designed to extract and filter fumes and fine dust particles. The system can be used to extract soldering fumes in electronics plants, to remove dust in laboratories or during the laser marking process of a range of materials.

The contaminated air passes through a three-stage filter package which cleans it at a filtration efficiency of more than 99.95 %. The third filter stage consists of an activated carbon granulate with a very large filter surface that is able to eliminate gases and odours, meaning that the purified air can usually be returned to the working area.

The system can be operated via the touch display or the Sub-D9 interface as required. The extraction performance of the maintenance-free turbine can be adjusted to meet requirements.

**Standard equipment**

- Three-stage filter package (M5 prefilter, H13 main filter, activated carbon filter)
- Sub-D9 interface for external control

**Possible options**

- Exhaust air spigot

**Possibility of combined use with other TEKA products**

- Collecting devices such as Optiflex suction arms, Alsident suction arms, extraction cabinets
- Particle pre-separator

## Properties

<b>Blower type:</b>	2 x continuous-duty turbines, single-stage
<b>Control interface:</b>	SUB D9
<b>Interface description:</b>	Pin 1&2=Start (potential-free bridging -> e.g. switch) Pin 3&4=Operation (potential-free) Pin 5&6=Fault (potential-free) Pin 7=Increase in tube power Pin 8=Reduce
<b>Main filter quantity:</b>	1
<b>Volumetric flow (m³/h):</b>	500
<b>max. pressure (Pa):</b>	15,000
<b>Engine power (kW):</b>	2.4
<b>Supply voltage (V):</b>	230
<b>Connection frequency (Hz):</b>	50/60
<b>Current consumption (A):</b>	15.5
<b>Filter control:</b>	TouchControl (IDEC)
<b>Vorfilter:</b>	ISO 16890 ePM10 > 50% (F5)
<b>main filter:</b>	Filter cartridge
<b>Filter class:</b>	DIN EN 1822 - H13
<b>final filter:</b>	Activated carbon cartridge: 7 kg

(Page: 2 for product 94001)

## Properties

Separation efficiency (%):	> 99.95
Ansaugstutzen (mm):	2 x NW 50
Sound level (dB(A)):	70 – in accordance with DIN EN ISO 3744
Weight (kg):	70
Width (mm):	365
Depth (mm):	768
Height (mm):	801
Colour:	RAL 9010

## Accessories

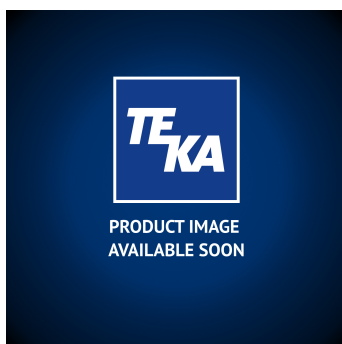


Suction hose with two connectors  
Product No.: 9631925

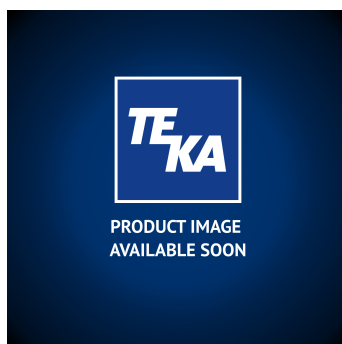


Suction hose with two rigid connectors  
Product No.: 9631950

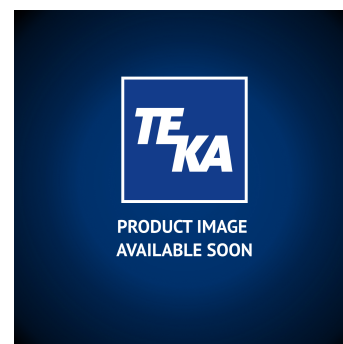
## Replacement parts



High particulate filter size  
610x305x150+2\*6 mm  
Product No.: 10035



Prefilter set M5, 572 x 268 x 20 mm  
Product No.: 10056



Activated carbon filter  
Product No.: 97052



Activated carbon pouring for cassette  
305x610x100  
Product No.: 100197501