

The air purifiers



LMD 501



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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

Blower type:	2 x continuous-flow turbines
Control interface:	SUB D9
Interface description:	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
Main filter quantity:	1
Volumetric flow (m³/h):	500
max. pressure (Pa):	15,000
Engine power (kW):	2.4
Supply voltage (V):	230
Connection frequency (Hz):	50/60
Current consumption (A):	15.5
Filter control:	TouchControl
Vorfilter:	ISO 16890 ePM10 > 50% (F5)
main filter:	H13
Filter class:	H13
final filter:	Activated carbon cartridge: 7 kg standard carbon

Properties

Separation efficiency (%):	> 99.95
Ansaugstutzen (mm):	2 x NW 50
Sound level (dB(A)):	70
Weight (kg):	70
Width (mm):	365
Depth (mm):	768
Height (mm):	801
Colour:	RAL 9010

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

Accessories



Suction hose with two connectors
Product No.: 9631925



Suction hose with two rigid connectors
Product No.: 9631950