The air purifiers

LMD 508



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Product No.: 94008

Description

LMD 508

The **TEKA LMD 508** is a mobile filter unit for extracting fumes and fine dust. It is used for laser marking and laser engraving, for soldering fumes at several soldering workstations in the electronics industry, and in laboratories.

At a glance

- **Three-stage filtration:** M5 pre-filter, HEPA H13 main filter, activated carbon
- **Operation:** touch display or SUB-D9 interface
- **Turbine:** maintenance-free, adjustable suction power
- **Filter monitoring:** shows when a change is due

Your benefits

- **For laser fumes and odours:** The activated carbon stage has a very large filter surface and absorbs gases and odours produced during laser processing.
- **Fine particles separated:** The pre-filter retains coarser particles before the HEPA H13 filter cleans the air.
- **Easy to integrate:** The SUB-D9 interface allows external control, or you can operate the unit directly via the touch display.
- **Demand-based:** The suction power of the maintenance-free turbine can be adjusted to the application.

Applications

Laser marking and laser engraving, soldering fume extraction in electronics manufacturing, laboratories.

Combinations and options

The LMD 508 can be combined with capture devices such as Optiflex extraction arms, Alsident® extraction arms available from TEKA and extraction cabinets, as well as with a particle pre-separator. An exhaust air spigot is available as an option.

The operating instructions are available in the Downloads tab. Our overview page shows more systems for laser fume extraction.

Properties

Blower type:	Continuous-flow turbine, single-stage
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):	320
max. pressure (Pa):	15,000
Engine power (kW):	1.2
Supply voltage (V):	230
Connection frequency (Hz):	50/60
Current consumption (A):	9
Filter control:	TouchControl (IDEC)
Pre-filter:	M5

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Properties

Vorfilter:	ISO 16890 ePM10 > 50% (F5)
main filter:	Filter cartridge
Filter class:	DIN EN 1822 - H13
final filter:	Activated carbon cartridge: 3.5 kg
Separation efficiency (%):	> 99
Ansaugstutzen (mm):	2 x NW 50
Ausblas:	through the vent openings in the sound-absorbing baffle
Sound level (dB(A)):	65 – in accordance with DIN EN ISO 3744
Weight (kg):	55
Width (mm):	365
Depth (mm):	496
Height (mm):	737
Colour:	RAL 9010

Accessories



Outlet spigot for LMD 507/508/504/501
Product No.: 400094007



Suction hose with two connectors
Product No.: 9631925



Suction hose with two rigid connectors
Product No.: 9631950

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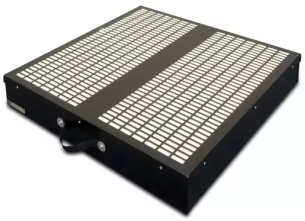
Replacement parts



High particulate filter H13, 305x305x150 (+2*6)
Product No.: 10031



Prefilter set M5, 268 x 268 x 20 mm,
Product No.: 10033



Activated carbon filter
Product No.: 97054



Activated carbon filling for 3,5 kg
Product No.: 100197507

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