

Laser Filter Buying Guide for Epilog Products

TEKA Fume Extraction Systems for Use with Epilog Lasers



POWER FOR PRECISION

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TEKA Laser Filters – Performance Made Affordable



Digital Controls



Sound Construction



Innovative Filter Configuration

Durable – Manufactured in Germany of powder coated stainless steel.

Convenient – All units are compact, mobile, and arrive ready to run. Filters are easy to change. Controls are digital.

Economical – Separate filter format extends filter life and reduces operating costs. Turbines are maintenance free. Replacement filters less expensive than competitors.


Versatile – Adjustable suction allows extraction of a wide variety of materials. SUB-D9 Interface enables the laser to control the filter. Multiple air inlets.

Powerful – High vacuum turbines efficiently remove fumes and particles.

Safe – Removal of fumes and particles protect people and extend equipment life. Compliance to applicable environmental regulations made possible.

Clean – White powder coated filter housings are easy to clean and appear tidy to customers.

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Laser & Filter Pairings	Airfilter Mini – p. 3	LMD 508 – p. 4	LMD 501 – p. 5	LMD 501SPA – p. 6	LMD 518 – p. 7
 <p>EPILOG mini 18x12</p>	<p>< 3 hrs/day</p> <p>✓</p>	<p>> 3 hrs/day</p> <p>✓</p> <p>Bag Filter Option for Wood & Acrylic</p>		<p>Rubber Applications</p> <p>✓</p>	<p>Work Station</p> <p>✓</p>
 <p>EPILOG mini 24x12</p>	<p>< 3 hrs/day</p> <p>✓</p>	<p>> 3 hrs/day</p> <p>✓</p> <p>Bag Filter Option for Wood & Acrylic</p>		<p>Rubber Applications</p> <p>✓</p>	<p>Work Station</p> <p>✓</p>
 <p>EPILOG HELIX</p>		<p>35, 40, 45 watts</p> <p>✓</p> <p>Bag Filter Option for Wood & Acrylic</p>	<p>60 & 75 watts</p> <p>✓</p> <p>Bag Filter Option for Wood & Acrylic</p>	<p>Rubber Applications</p> <p>✓</p>	
 <p>EPILOG LEGEND EX1</p> <p>Legend 36XT EPILOG www.epiloginc.com</p>			<p>35 to 120 watts</p> <p>✓</p> <p>Bag Filter Option for Wood & Acrylic</p>	<p>Rubber Applications</p> <p>✓</p>	

Airfilter Mini

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Technical Data	Airfilter Mini
Suction Capacity	0 – 180 cfm, adjustable
Negative Pressure	84 in. in H ₂ O
Air Intake	2 x 2 in., 1 x 4 in.
Air Outlet	Muffler, 1 x 5 in. (optional)
Filter Set-up	Pre-filter, Combination Filter w/ HEPA & Activated Carbon
Dust Extraction	99.997%
Drive System	Maintenance Free Turbine
User Interface	Digital Controls & Filter Monitoring
System Interface	SUB-D9
Dimensions	15 in. x 20 in. x 25 in.
Weight	62 lbs.
Power	110 / 60Hz / 5.2 Amp

The Airfilter Mini is our most compact and economical cart type, portable fume and particle extraction system. It is designed for environments where there are space limitations. It fits neatly beneath a workstation. Being small, powerful, and quiet, this system is ideal for applications in close quarters.

Air is filtered through a three-step **combination filter** that contains a pre-filter, HEPA filter, and activated carbon. Filter changes are made quickly through an easy to open compartment on the front of the unit. The unit offers many of the same features as our larger, more expensive systems. It has a maintenance free, high vacuum turbine that produces high airflow, as well as digital controls and a SUB-D9 Interface. The unit is constructed of non-corrosive stainless steel.

Suggested Retail Price

\$2,950.00

See Page 8 for Available Options and Replacement Parts

LMD 508

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Technical Data	LMD 508
Suction Capacity	0 – 190 cfm, adjustable
Negative Pressure	84 in. in H ₂ O
Air Intake	2 x 2 in., 1 x 4 in.
Air Outlet	Muffler, 1 x 4 in. (optional)
Filter Set-up	2 Pre-filters, Main HEPA & Activated Carbon Filter (7 lbs.)
Dust Extraction	99.997%
Drive System	Maintenance Free Turbine
User Interface	Digital Controls & Filter Monitoring
System Interface	SUB-D9
Dimensions	14 in. x 20 in. x 29 in.
Weight	100 lbs.
Power	110 / 60Hz / 14 Amp

The LMD 508 is a cart type, portable fume and particle extractor with maintenance-free high performance turbines. Separate filters for particles and fumes are included to keep filter replacement costs low. The unit includes 2 pre-filters for maximum performance and to increase the HEPA filters' service life.

The unit is equipped with a digital filter monitoring system, adjustable turbine speed, full turbine protection and an easy to change filter system. Separate filters for particles and fumes are included to keep filter replacement costs low. The LMD 508 is available with an exhaust muffler that allows this powerful unit to operate with outstanding performance at low noise levels. An adapter plate for discharge air operations is also available. Consider the optional pocket filter for sticky fumes and high particle counts, like those produced by wood and acrylic. The unit is constructed of non-corrosive stainless steel.

Suggested Retail Price	\$3,250.00
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LMD 508 Pocket Filter	\$4,000.00
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See Page 8 for Available Options Replacement Parts



Technical Data	LMD 501
Suction Capacity	0 – 350 cfm, adjustable
Negative Pressure	84 in. in H ₂ O
Air Intake	2 x 2 in., 1 x 4 in.
Air Outlet	Muffler, 1 x 5 in. (optional)
Filter Set-up	2 Pre-filters, Main HEPA & Activated Carbon Filter (15 lbs.)
Dust Extraction	99.997%
Drive System	2 Maintenance Free Turbines
User Interface	Digital Controls & Filter Monitoring
System Interface	SUB-D9
Dimensions	14 in. x 27 in. x 29 in.
Weight	155 lbs.
Power	110 / 60Hz / 20 Amp

The LMD 501 offers greater air flow and twice the filter size compared to the LMD 508. The LMD 501 is a cart type, portable fume and particle extractor with two maintenance-free high performance turbines. Separate filters for particles and fumes are included to keep filter replacement costs low. The unit includes a pre-filter for maximum performance and to increase the HEPA filters' service life.

The unit is equipped with a digital filter monitoring system, adjustable turbine speed, full turbine protection and an easy to change filter system. Separate filters for particles and fumes are included to keep filter replacement costs low. The LMD 501 is available with an exhaust muffler that allows this powerful unit to operate with outstanding performance at low noise levels. An adapter plate for discharge air operations is also available. The cutting or engraving of acrylics and wood often generates sticky fumes and high particle counts, which drastically reduce the lifetime of the HEPA filters. We offer an optional pocket pre filter to extend the lifetime of the main filter.

Suggested Retail Price	\$4,350.00
LMD 501 Pocket Filter	\$5,300.00

See Page 8 for Available Options and Replacement Parts

LMD 501 – SPA



Technical Data	LMD 501 – SPA
Suction Capacity	0 – 380 cfm, adjustable
Negative Pressure	84 in. in H ₂ O
Air Intake	2 x 4 in.
Air Outlet	1 x 5 in.
Filter Set-up	Main HEPA & Activated Carbon Filter (55 lbs.)
Dust Extraction	99.997%
Drive System	2 Maintenance Free Turbines
User Interface	Digital Controls & Filter Monitoring
System Interface	SUB-D9
Dimensions	14 in. x 27 in. x 43 in.
Weight	210 lbs.
Power	110 / 60Hz / 20 Amp

The LMD 501-SPA is specially designed for laser cutting or engraving of **rubber products**. This units' design includes both a large HEPA storage filter and activated carbon filter cartridge. It features airflow of 380 cfm to eliminate fumes and particles from this demanding laser process. Many satisfied customers in the **rubber stamp engraving** industry love the performance of this unit.

The LMD 501-SPA is a cart type, portable fume and particle extractor with maintenance-free high performance turbines, large replaceable high efficiency particulate air filter (HEPA) and a large activated carbon filter. Separate filters for particles and fumes are included to keep filter replacement costs low.

The unit is equipped with a digital filter monitoring system, adjustable turbine speed, full turbine protection and an easy to change filter system.

Suggested Retail Price	\$5,750.00
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See Page 8 for Available Options and Replacement Parts

LMD 518

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Technical Data	LMD 518
Suction Capacity	0 – 190 cfm, adjustable
Negative Pressure	84 in. in H ₂ O
Air Intake	2 x 2 in., 1 x 4 in.
Air Outlet	Muffler, 1 x 4 in. (optional)
Filter Set-up	Bag Filter, Main HEPA & Activated Carbon Filter (7 lbs.)
Dust Extraction	99.997%
Drive System	Maintenance Free Turbine
User Interface	Controls & Filter Monitoring
System Interface	SUB-D9
Dimensions	26 in. x 16 in. x 26 in.
Weight	100 lbs.
Power	110 / 60Hz / 6.3 Amp

The LMD 518 fills an important place in our filter line-up. It is comparable in performance to the LMD 508, but it can be used as a workstation for engraving lasers, too. Like our other filters, it is a portable, cart type, fume and particle extractor with a maintenance-free high performance turbine, a replaceable high efficiency particulate air filter (HEPA) and additional activated carbon filter. The unit includes a pre-filter for maximum performance and to increase the HEPA filters' service life.

This unit is ideal for owners of Epilog Mini lasers whose space is at a minimum. It offers adjustable suction capacity and filter monitoring.

Suggested Retail Price

\$3,450.00

See Page 8 for Available Options and Replacement Parts

Replacement Parts & Extras

Filter	Item	Item Number	Suggested Retail Price
Airfilter Mini	Pre-filter	10033280	\$45.00
Airfilter Mini	Combination Filter	10031941	\$395.00
LMD 508	Pre-filter (set of 10)	10033	\$52.00
LMD 508	Macrofold Pre-filter	1003480001	\$49.00
LMD 508	HEPA Filter	10031	\$185.00
LMD 508	Activated Carbon Pouring - 7 lbs.	100197507	\$240.00
LMD 508	Optional Pocket Filter	PFM 508	\$750.00
LMD 508	Pocket Filter Replacement	10034508	\$98.00
LMD 501	Pre-filter (set of 10)	10056	\$110.00
LMD 501	Macrofold Pre filter	1003480002	\$105.00
LMD 501	HEPA Filter	10035	\$340.00
LMD 501	Activated Carbon Pouring – 14 lbs.	100197501	\$390.00
LMD 501	Optional Pocket Filter	PFM 501	\$950.00
LMD 501	Pocket Filter Replacement	10034501	\$150.00
LMD 501 – SPA	HEPA Filter	1003502	\$590.00
LMD 501 – SPA	Activated Carbon Pouring – 55 lbs.	100197142502	\$690.00
LMD 518	Pocket Filter Replacement	100990003	\$120.00
LMD 518	HEPA Filter	100990001	\$185.00
LMD 518	Activated Carbon Pouring – 7 lbs.	1001971425	\$240.00
Connection Kit	Vacuum Hose, Ø 4 in., 7 ft., w/ Connectors	511040025	\$150.00

Notes