



Filter Systems

OPERATING MANUAL

LASERLINE 150

Filter system

FOR A BETTER WORKBENCH ENVIRONMENT



Filter Systems

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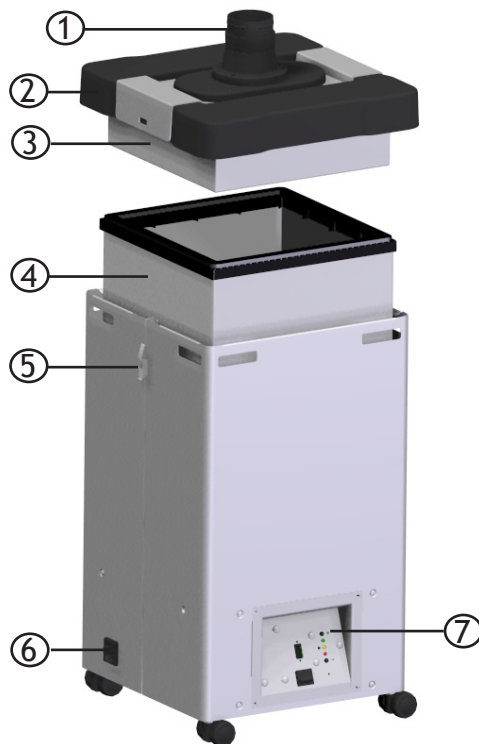
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1. Introduction

Laserline 150 is a highly effective laser fume extractor that removes particles and gases created during different laser processes.

2. Content

1. Hose connection
2. Lid
3. Pre filter
4. Main filter
5. Lock
6. Power intake with fuse
7. Control panel



9. Warranty

General conditions according to ORGALIME S 2000.

Filtronic guarantees the product for manufacturing failures for a time period of two (2) years on filter units and accessories, consumptions not enclosed. The time is measured from date of invoice.

Only use genuine Filtronic consumables and spare parts in order to ensure reliable function and to maintain the unit's warranty. Repairs must be performed by personnel trained by Filtronic.

The information given is not binding and does not free the user from his or her responsibility to check the equipment before using it.

Filtronic reserves the right to introduce technical changes in the course of product development.

Always contact the supplier before returning a product.
The invoice has to be shown at the time of the complaint.

7. Technical data Laserline 150

Height x width x depth	680 x 340 x 340 mm
Weight	18 kg
Sound level at 1 meter	< 50 dB(A)
Voltage	115/240 V
Effect	100 watt
Glass tube fuse	2 x 6,3 AT, 250 V
Maximum suction capacity	100 m ³ /h
Blower capacity	140 m ³ /h
Micro filter - Separation degree, MPPS	>99,95 %
Gas filter - Separation degree	>95 %
Filter monitoring system	Yes
Warranty (excl. filter)	2 years
CE-guidelines	73/23, 89/336, 89/392, 91/368, 92/31, 93/44, 93/68
RoHS	Yes

8. Article number

Filter system Laserline 150	L15
Main filter, Standard	150-2012-L
Pre filter (2 pcs)	150-4000
Connection hose, 1 m	700-3040-ESD
Connection hose, 2 m	700-3041-ESD
Connection hose, 3 m	700-3051-ESD

Control panel

- 8. On/off
- 9. Push button "Increase"
- 10. Led indicator - operation
- 11. Led indicator - filter time exceeded
- 12. Led indicator low airflow
- 13. Push button "Decrease"



3. Safety instruction

The unit must not be exposed to temperatures exceeding 50°C, open flames or condensated solvents.

Switch off the filter unit when changing filter. Led indicator - operation

4. Put into operation

The best possible gas filtration will be achieved if:

- Process air temperature in the gas filter < 38 °C
- Relative humidity < 60 %
- Gas molecules > 30 g / mol (filtration better with larger molecules)
- Boiling temperature of gas molecules > 0 °C



NOTE! The unit may dust some from the main filter after transportation. Make sure the starting of the unit is made in an appropriate room.

5. Troubleshooting



Do not modify the filter unit. Repairs must be performed by personnel trained by Filtronic.

- If the filter unit is out of order, please check that:
 - the electricity supply is connected in a correct way.
 - the fuse 6,3 AT is whole.

- If yellow indicator (11) flashes:

Recommended filter lifetime is exceeded.

See "Exchange of main filter" under headline 6 "Maintenance and service".

- If red indicator (12) shines and alarm is heard:

Inferior suction capacity.

Restore the alarm by push the "button-increase" (9) on the control panel and switch off the filter unit. Check that extraction arm or nozzle not are covered. Clean if necessary. If the alarm remains, change the filters. See under headline 6 "Maintenance and service".

If the alarm not is taken care of, the filter unit will stop within five minutes to protect against overheating.

The main filter should be changed at least once a year to guarantee the separation degree of gases.

6. Maintenance and service

Exchange of pre filter:

Change the pre filter when the alarm indicates.

1. Switch off the circuit breaker.
2. Open the locks and remove the lid.
3. Remove the pre filter
4. Mount a new pre filter.
5. Put the lid and the lock back.
Note! Make sure that the pre filter bag goes into the main filter and is not caught between the lid and the gasket of the main filter.

If alarm comes back when starting, the main filter is consumed and needs to be exchanged, see "Exchange of main filter below".

Exchange of main filter:

1. Switch off the circuit breaker.
2. Open the locks and remove the lid.
3. Remove the main filter.
4. **Note!** Mark the new main filter with the date of change.
5. Mount the new main filter.
6. Put the lid and the locks back.

Note! Make sure that the pre filter bag goes into the main filter and is not caught between the lid and the gasket of the main filter.



When a new main filter is mounted, the filter lifetime needs to be set to zero.

1. Switch off the circuit breaker.
2. Switch on the power at the **same time** as the buttons (9) and (13) are pressed down. A ready signal sounds and the LED indicators die down.
3. Release the buttons, wait five seconds, switch off the circuit breaker.
4. Wait five seconds, switch on the circuit breaker and set desired capacity.

