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# PEGASO

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## Air Filtration

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Oily mist filter unit  
with synthetic nanofiber filters



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# Pegaso

Pegaso is a static filter unit for the purification of oily mists, micro-mists and smoke resulting from the use of coolants (emulsion or neat oil). It can be used on all types of machine tools and for all removal operations.

It is available in five sizes (S - M - L - XL - XXL), with flow rates from 730 to 3860 m<sup>3</sup>/h and with an increasing filtration efficiency up to 99,95%.

All Filters are tested and inspected before shipping.

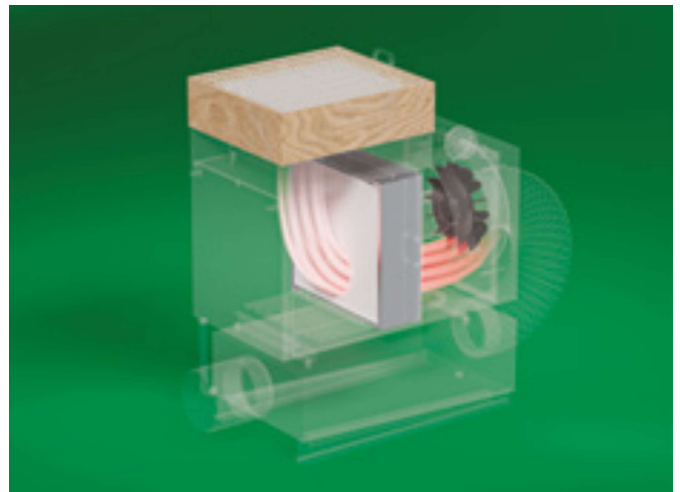
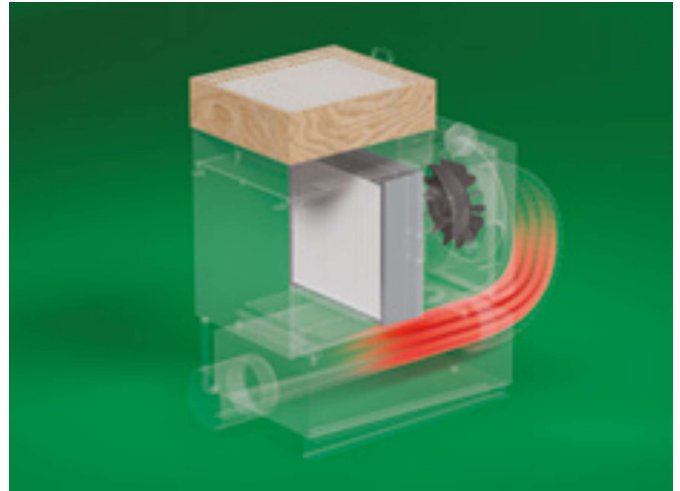
Losma guarantees that each filter unit is individually tested through rigorous control procedures. A quality and functional test certificate is issued for each unit.



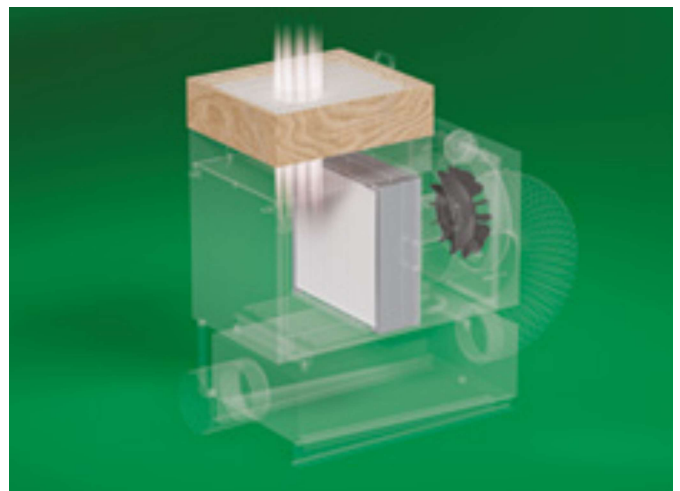


# Operation

- The polluted air in the machine tool is sucked in and, after being evenly distributed by an inlet baffle, passes through the filters provided in sequence.
- The passage of the air through the new innovative F9 filters made of synthetic nanofibers with high filtering media guarantees maximum air purification.
- After the various filtration passages (G2 metallic, synthetic 60 PPI and F9 microfiber, as well as the optional H13), the air is finally conveyed back into the surrounding environment.



Right: example sequence taken from product operation video



## SEQUENCE OF THE SUPPLIED FILTERS:

The arrangement of the Pegaso internal filters is designed with increasing 3-stage filtration efficiency:

- Metal G2 filter
- 60 PPI Polyurethane filter
- F9 Synthetic Nanofiber filter

In this way, Pegaso is able to guarantee superior efficiency to remove all pollutant particles down to the micron range.

The filters are easily accessible by removing the two tightening screws and opening the side door, allowing for simple, fast and clean maintenance.

1. Metal G2 filter
2. 60 PPI Polyurethane filter
3. F9 Synthetic Nanofiber filter



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# Advantages

## **NEW FRONT IMPELLER AND OPTIMISED DRAINAGE SYSTEM**

The drainage system is fully optimised thanks to the new front impeller capable of significant pollutant separation at the inlet.

## **INNOVATIVE FILTER AND MATERIAL SEQUENCE**

By combining innovative materials such as F9 filters made of synthetic nanofibers and a well thought-out filter sequence with increasing efficiency, Pegaso is able to offer an extended filter life cycle and high filtration efficiency for all types of work.

## **AVAILABLE IN 5 SIZES, WITH OPTIONAL PRE AND POST FILTERS**

Pegaso is available in 5 sizes, with variable flow rates depending on processing requirements. It can also be configured with a Pre and Post Filter, both optional, to bring the overall filtration efficiency up to 99.95%.





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# Optional

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1. Pressure gauge / Pressure switch / X-View

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2. P-Guard pre-filter

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3. H13 post-filter

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# 1. Pressure gauge / Pressure switch / X-View

The Pegaso series offers the possibility of monitoring filter occlusion in real time, choosing the option that best suits your needs from the three configuration options offered:

- Pressure gauge
- Pressure switch
- X-View



## 2. P-Guard pre-filter

Metallic pre-filter to maximise filtration efficiency and filter duration in the presence of high production of oil mists, mists mixed with powders and metal shavings.



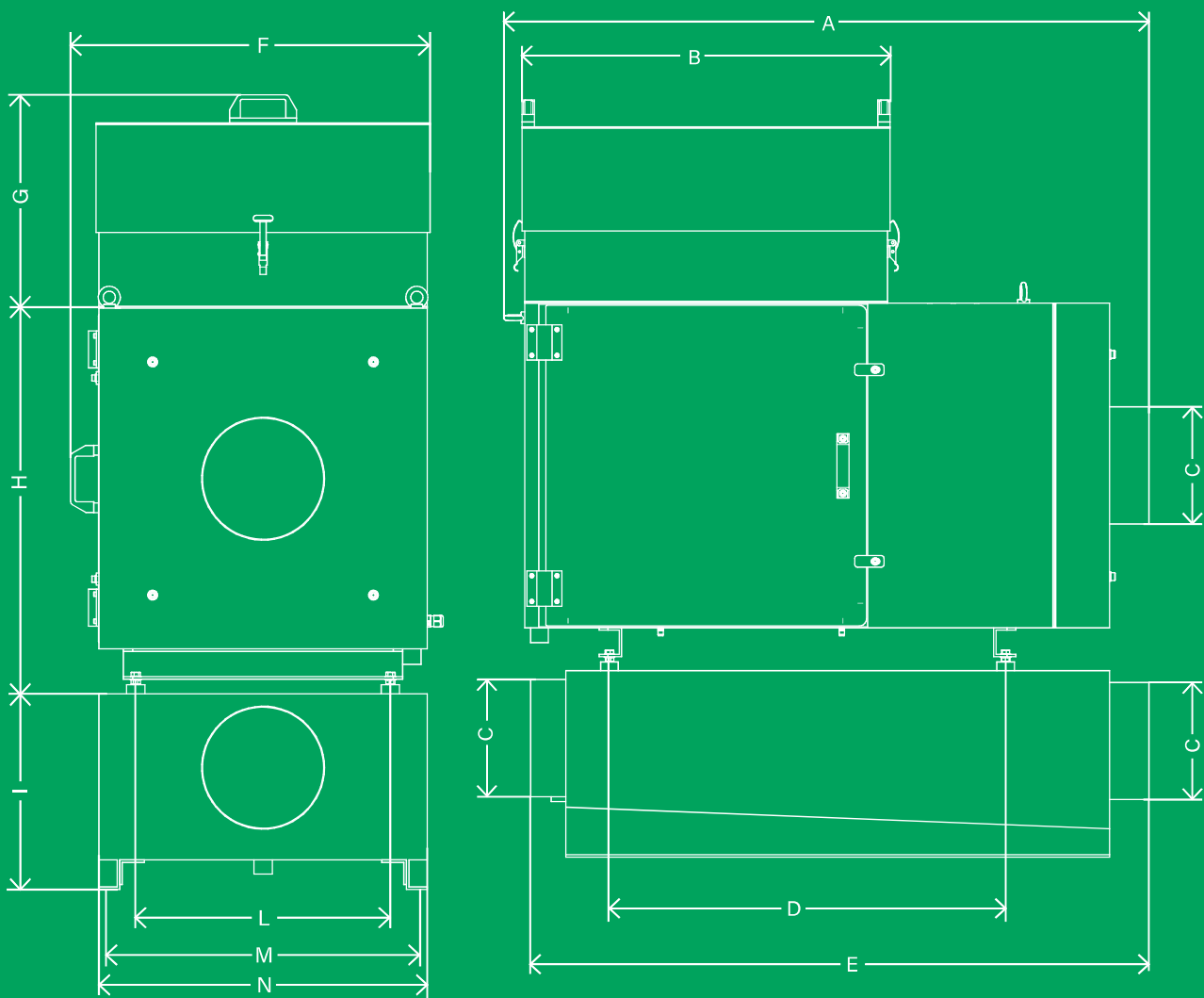
# 3. H13 post-filter

H13 glass microfibre post-filter, providing a filtration efficiency of up to 99,95%. This filter has two optional configurations: internal or external.



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# Technical Data





Models	Dimensions (mm)												
	A	B	C	D	E	F	G	H	I	L	M	N	O
Pegaso S/M	1020	500	150	590	915	465	345	510	300	295	380	415	25
Pegaso L/XL/XXL	1100	630	200	675	1065	585	345	630	350	415	500	535	25

Models	Power (kW)		Air flow (m <sup>3</sup> /h) *		Prevalence (Pa)		Noise level (dba)		Opening inlet (mm)	Net weight (Kg)
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Pegaso S	0,37	0,43	730	800	500	740	67,8	70,5	150	61
Pegaso M	0,75	0,86	950	1170	830	1250	69,6	72,8	150	68
Pegaso L	1,5	1,75	1600	1800	970	1400	73,8	76,6	200	96
Pegaso XL	2,2	2,54	2000	2400	1200	1750	77,6	79	200	103
Pegaso XXL	2,2	2,54	3300	3860	1740	2530	79,5	83,6	200	106

\* Free inlet. Standard filter configuration without optional H13 post-filter.