



Engineered
Filtration, Inc.



**OIL MIST
COLLECTORS**

NEBULA

NEBULA

Versatile, modern design industrial air filters.

Nebula presents a range of compact and easy to maintain oil mist collectors available in **six models**.

NEBULA



250 / 500



1000 / 1500



2000 / 2500

WORKING PROCESS

1

Air entry:

Air inside the machine tool is drawn into the air filter's suction inlet by an internal fan. The centrifugal effect favours recondensation of the small oil particles.

2

Main filter:

The air crosses the main filter element consisting in a special polyurethane sponge filter or, as an alternative, pleated cartridge filter with coalescing band.

3

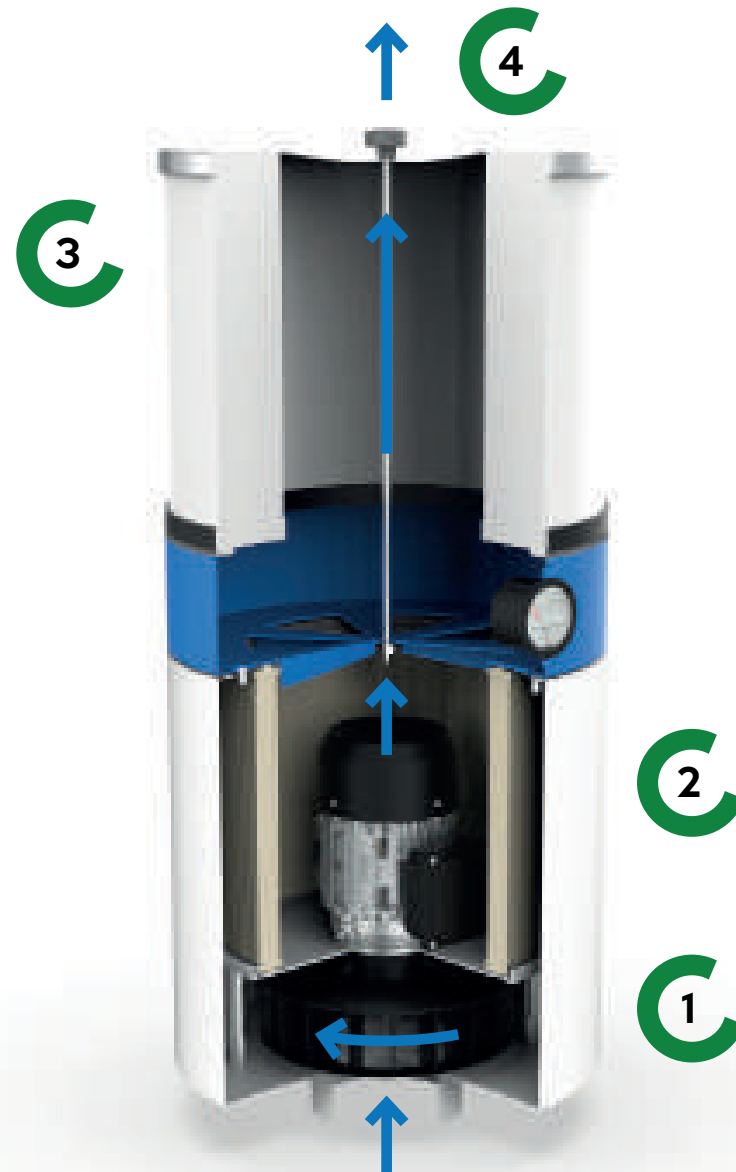
Post-filter (optional):

The filtered air flows out the top, air then passes through a last filtration stage, consisting in an absolute HEPA filter, class H13.

4

Air exit:

Filtered air is reintroduced into the working environment and the re-condensed oil is discharged by a drainage outlet back to the machine tool.



NEBULA ADVANTAGES

Modular:

Six models with different flow rates and motor powers to suitably match your machine tool size.

Energy efficiency:

The coolant mist collector is fitted with special centrifugal fans which guarantees high performance and low power consumption.



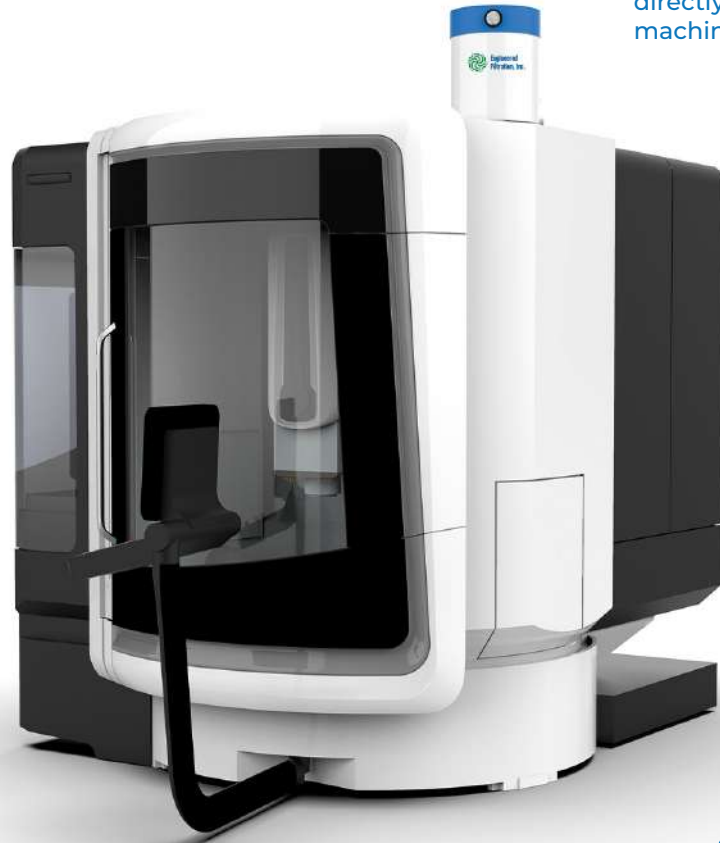
**Filter sponge
standard supplied**
G3 efficiency



**Optional
cartridge filter**
F9 cellulose cartridge
filter with coalescent
filter sleeve

Versatile:

A choice between two different filter elements without needing to make structural changes to the filter unit.



Nebula is installed directly on the machine tool roof.



Easy installation:
Directly on the machine tool,
no need for installation
accessories; quick and easy.

Pressure Gauge:

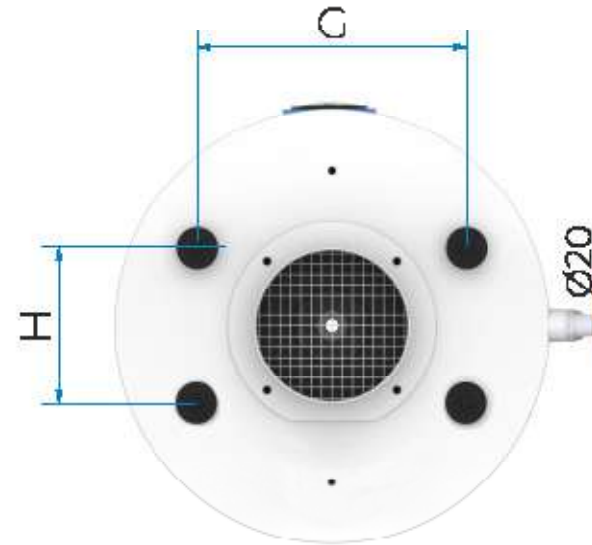
Two filtration stages, each one monitored by its own manometer, to guarantee maximum filtration efficiency and to indicate when a filter change is required.



Or on a stand next to the machine tool!

NEBULA

DIMENSIONS AND TECHNICAL DETAILS



Nebula

	A (mm/in)	B (mm/in)	C (mm/in)	D (mm/in)	E (mm/in)	F (mm/in)	G (mm/in)	H (mm/in)
250 / 500	380/14	348/13.7	110/4.33	300/11.8	100/3.93	290/11.41	251/9.88	145/5.7
1000 / 1500	420/16.53	425/16.73	110/4.33	350/13.77	150/5.9	300/11.81	260/10.23	150/5.9
2000 / 2500	480/18	422/16.61	110/4.33	350/13.77	200/7.87	360/14.17	312/12.28	180/7



250 500 1000 1500 2000 2500

Flowrate (m³/h/cfm)

250/147 500/294 1000/588 1500/882 2000/1177 2500/1471

Pressure (mm H₂O)

20 20 40 51 66 80

Power (kW/HP)

0.18/0.25 0.18/0.25 0.25/0.33 0.55/0.75 0.75/1.0 1.1/1.5

Weight (Kg/lbs)

24.5/54 24.5/54 29/64 30/66 37/82 39/86



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P.O. BOX 1067, SAN MARCOS, TX - INFO@ENGFILT.NET - TEL. 512-827-3788 - WWW.ENGFILT.COM