

FILTERCOMM

**OIL MIST
COLLECTORS**



COLLECTORS

The premium range of industrial air filters

FILTERCOMM presents the latest generation in oil mist collectors, **six models** specifically designed for heavy-duty, high-productivity machine tools.

COSMOS



400 / 800



1200 / 1600



2000 / 2400

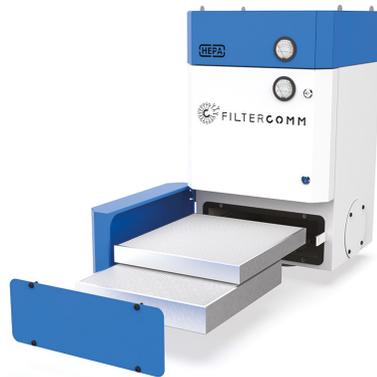


1

Air entry:

Air inside the machine tool is channeled into the air filter's suction inlet and passes through **3 filtration stages**: pre-filter, main filter and final filter.

2

**Pre-filter:**

A pre-treatment section consisting in a **washable metallic filter** (G2 efficiency) a **washable drop separator** (for emulsion) or a **multi-layer, glass fibre filter** (for oil).

3

Main filter:

Cellulose, folded cartridge filter with a wide filtration surface and high filtration efficiency, over 95% (F9), covered with a coalescent filter.

4

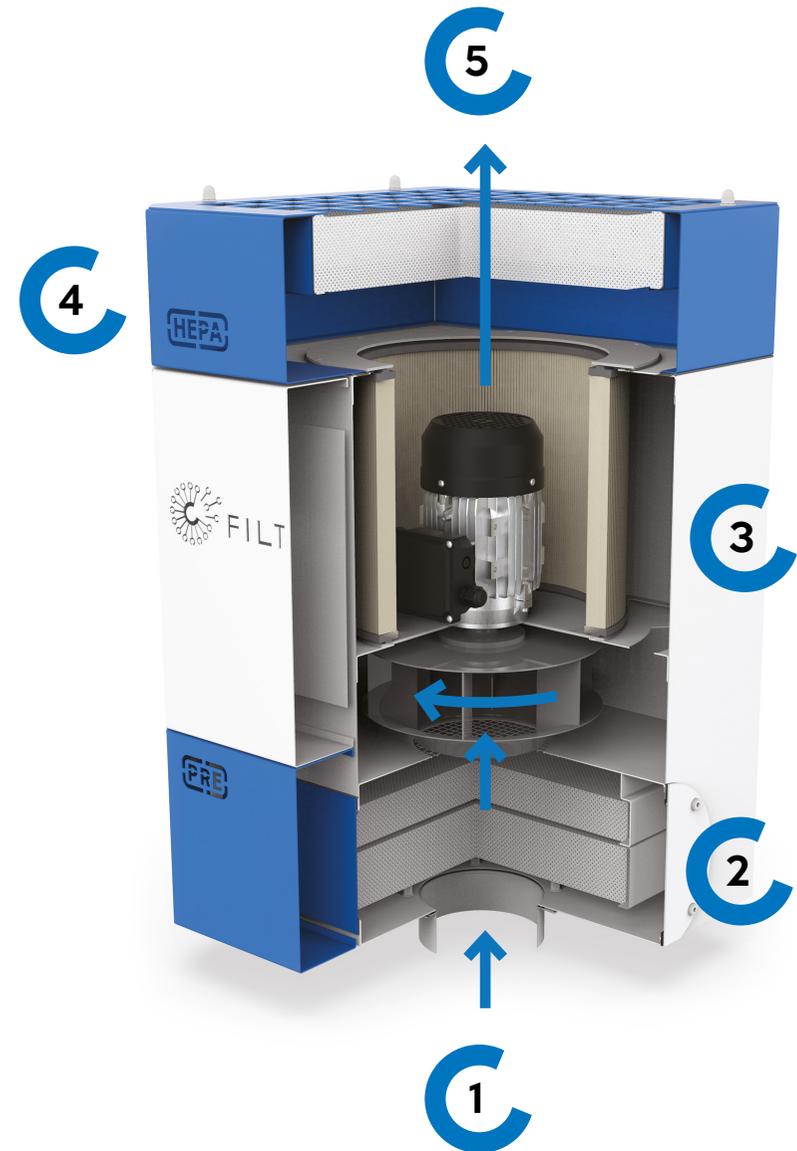
Final filter (optional):

Absolute HEPA filter class H13. Efficiency 99,95%.

5

Air exit:

The filtered air is reintroduced into the working environment and the re-condensed oil inside the oil mist collector is reintegrated into the machining process thanks to a **practical drainage hose**.



COSMOS

ADVANTAGES

Progressive filtration:

Five filter elements with progressive filtration efficiencies, equipped with a manometer to monitor and ensure filtration efficiency.

Energy efficiency:

Special centrifugal fans guarantee high performance with low energy consumption.

Blue light

indicates that the filters are clean

Red light

indicates that the filters must be substituted

SMART LED:

Cosmos is equipped with an intelligent visual system which shows the status of the filter elements.

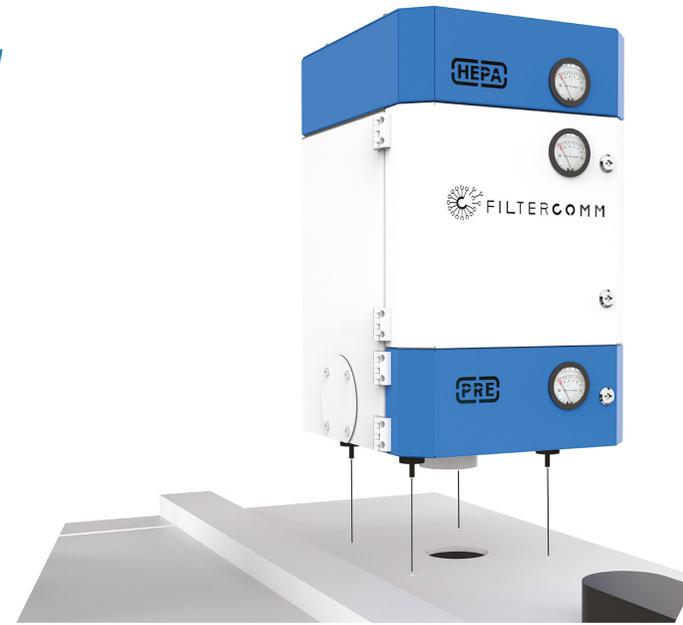
LED ON:

The retro-illuminated, blue FILTERCOMM logo indicates that the unit is in function.





Cosmos can be directly mounted on the machine tool's roof...



Installation made easy:

An exclusive system consents a choice of 3 different suction points, favoring installation on the machine tool.



...or on a stand next to the machine tool!

Modular:

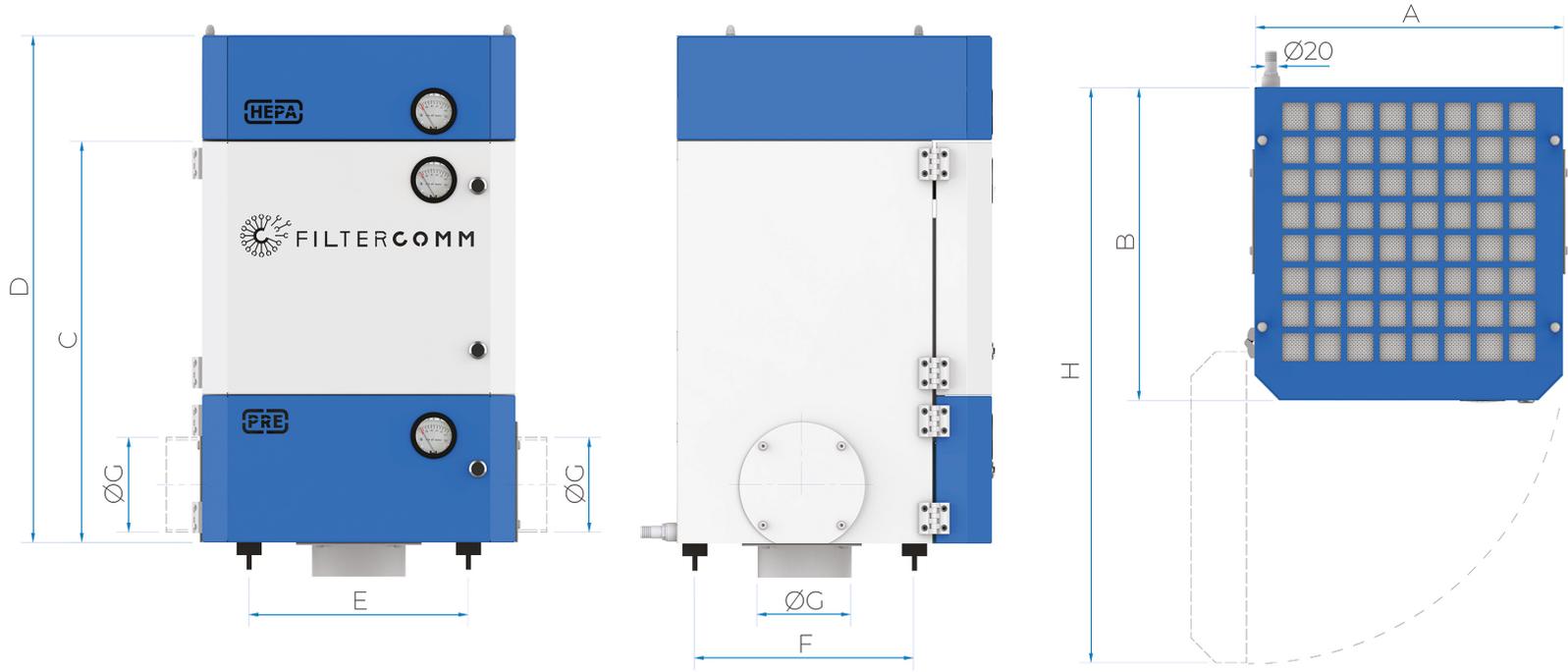
Six models with different powers and air flow rates to enable the choice of the most suitable unit for the machine tool.

Versatile:

Different filter elements to filter oil or emulsion without needing to make structural changes to the air filter.

COSMOS

DIMENSIONS AND TECHNICAL DETAILS



Cosmos

A

B

C

D

E

F

G

H

400 / 800

400

450

515

650

250

250

100 ø

770

1200 / 1600

500

500

635

800

350

350

150 ø

920

2000 / 2400

600

600

685

850

450

450

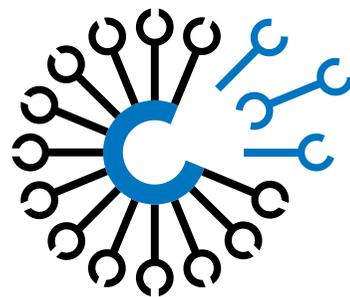
200 ø

1120



400 800 1200 1600 2000 2400

Flowrate (m³/h)	500	750	1000	1500	1850	2100
Pressure (mm H₂O)	69	60	70	80	100	121
Power (kW)	0,18	0,25	0,37	0,55	0,75	1,1
Weight (Kg)	46	47	61	63	83	86
Noise level without HEPA (dB)	64	65	68	72	74	77



all in one.