



ATMOS

Oil mist filtration with cyclonic separation

280 W

Low electric consumption :
280 W for a 500 m³/h module

> 80%

Over 80% of plastic injected
parts are made from
recycled materials

68 dB(A)

Silent system : under 68
dB(A) at full speed

By extracting the oil mist generated by machining at its source, the ATMOS™ provides a healthier working environment and recovers significant amounts of cutting oil otherwise lost through pulverization.

The patented cyclonic separation technology grants it one of the best energy efficiencies on the market.



Excellent performance



Healthy atmosphere



Lubricant savings

The ATMOS™ matches your facilities



ATMOS 64

The 64-cyclone version of the ATMOS™ operates at an effective airflow of 500 m³/h with a power consumption of only 280 W. Thanks to the patented cyclone separation, the ATMOS™ 64 achieves results equivalent to conventional cartridge separation systems of 1000 m³/h and more.

This model will fit most machining configurations in an enclosed area.

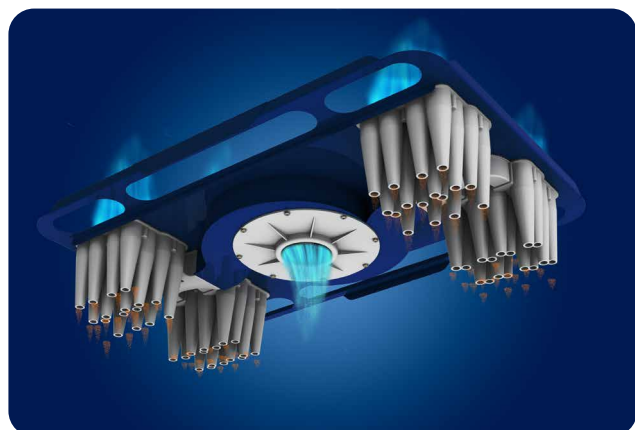


ATMOS 128

The 128 cyclone version of the ATMOS™ sucks in 1000 m³/h at a power consumption of 560 W. With its dual cyclone separation stage, the ATMOS™ 128 rivals conventional cartridge separation systems of 1500 m³/h and above.

Choose this model for extraction on open machining area.

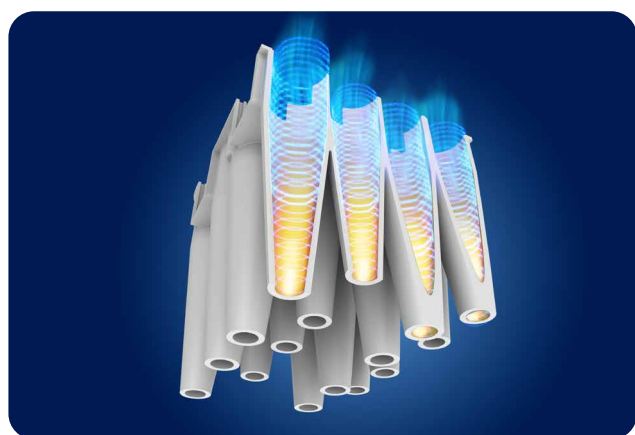
At the heart of the ATMOS cyclone



Very high energy efficiency

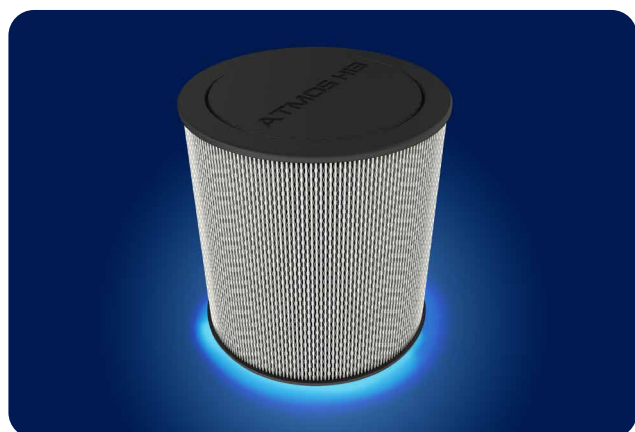
Our R&D team has developed a silent module of 500 m³/h with 64 cyclones for a consumption of only 280 W and a sound volume lower than 70 dB(A).

This is almost twice the energy consumption of a conventional cartridge purification system.



High performance cyclone separation

The patented multi-cyclone technology alone removes more than 90% of the oil from the intake air! The cyclonic effect forces the oil droplets against the walls at very high speed. As the droplets clump together, they form a body heavy enough to fall back into the lube pan by gravity, while the cleaned air is expelled upwards through the heart of the cyclone.



Eliminate harmful particles from your work environment at a reduced cost

The final stage of filtration, consisting of one to three HEPA 13 filters, ensures that the exhaust air from the unit is clean. The HEPA 13 class requires the filter to pass only 50 particles of 0.1 micron per liter of exhaust air.

Thanks to cyclonic separation, the life of the HEPA cartridge is significantly increased, thus reducing recurring consumable costs.



Ensure optimal operation

The light bars on the cover indicate the current status of the unit to ensure that it is working properly.

An intuitive color code tells the operator when it's time to change the HEPA 13 filter or if the ATMOS™ experiences a malfunction.

The key points of the ATMOS™

Optimal air performance

The design of the cyclones has been particularly careful to maximize the capacity to capture oil droplets. This innovation has led to the filing of a patent.

Less consumables

Cyclone filtration efficiency provides exceptional protection to HEPA 13 safety filters. In addition, the ATMOS™ can accommodate up to 3 HEPA 13 filters in parallel to reduce the frequency of maintenance operations.

Low power consumption

IE5 brushless motor with variable speed drive combined with a custom designed turbine to ensure optimal performance. The possibility to drive the motor according to the conditions (open door, end of cycle...) allows an even more significant reduction of power consumption. The ATMOS™ can consume up to 2 times less than a standard model on the market.

Intelligent system

The intuitive LED communication module allows the operator to know the saturation status of the HEPA filters and upstream piping at all times. HEPA filter life is maximized and power consumption is limited.

Recycled Parts

Injected parts developed specifically for the ATMOS™ are made of recycled material. Including cyclones, aeraulic pipes, wheel...

European manufacturing

The ATMOS™ production units are located in France (injected parts, electronics, assembly) and Portugal (sheet metal and HEPA filter).

Healthier working atmosphere

HEPA filters and associated clogging sensors ensure clean air in the workshop. Particular attention has been paid to the reduction of noise pollution.



ATMOS 64



ATMOS 128

Effective air flow rate (m ³ /h)	500	1000
Power (W)	280	560
Supply	230 single-phased	230 single-phased
Filter technology	Patented multi-cyclones separation	
HEPA filter	Yes (HEPA 13 - 99,95% efficiency)	
Sound level (db(A))	< 70	< 70
Air inlet diameter (mm)	Ø160	Ø160
Dimensions (mm LxWxH) (mm LxIxH)	708 x 462 x 621	708 x 462 x 846



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