ATMOS 64 | 128 | 192

Oil mist filtration with cyclonic separation

290 W

Low electric consumption : 290 W for a 500 m^3/h module

> 80%

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

< 70 dB(A)

Silent system : under 70 dB(A) at full speed

ATMOS 64 | 128 | 192

OIL MIST FILTRATION WITH CYCLONIC SEPARATION

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.

The ATMOS™ matches your facilities

ATMOS 64

The 64-cyclone version of the ATMOS™ operates at an effective airflow of 500 m^3/h with a power consumption of only 290 W. Thanks to the patented cyclone separation, the ATMOS™ 64 achieves results equivalent to conventional cartridge separation systems of 1000 m^3/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 m^3/h at a power consumption of 580 W. With its dual cyclone separation stage, the ATMOS™ 128 rivals conventional cartridge separation systems of 1500 m^3/h and above.

Choose this model for extraction on open machining area.

ATMOS 192

The 192-cyclone version provides a powerful suction of 1500 m^3/h with only 870 W of electrical consumption distributed across three cyclonic separation modules. This positioning of ATMOS™ 192 competitively in terms of performance and energy efficiency against conventional cartridge separation systems exceeding 2000 m^3/h.

Excellent performance
Efficient patented technology

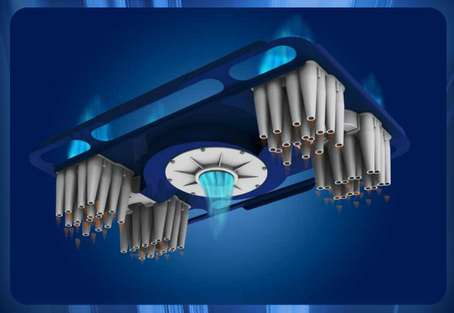
Healthy atmosphere
High-efficiency filtration

Silent
Noise level below 70 dB(A)

Lubricant savings
Lubricant returned to machine

Illustrations and data are not contractual.

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 290 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 99% 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

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.

Activated carbon option: Elimination of odors, VOCs, and formaldehyde

The activated carbon container can be easily added to the ATMOS 64 and 128 without any modification. It is positioned above the HEPA cartridge.

The activated carbon load inside the container is 30 liters.

The key points of the ATMOS™

ATMOS
CYCLONIC OIL MIST FILTRATION

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.

SPECIAL MICRO-MACHINING
ATMOS 32

ATMOS 64

ATMOS 128

ATMOS 192

	ATMOS 32	ATMOS 64	ATMOS 128	ATMOS 192
Effective air flow rate (m³/h)	250	500	1000	1500
Power (W)	200	290	580	870
Supply	230 SINGLE-PHASED			
Filter technology	PATENTED MULTI-CYCLONES SEPARATION			
HEPA filter	YES (HEPA 13 - 99,95% EFFICIENCY)			
Sound level (db(A))	66	68	69	70
Air inlet diameter (mm)	Ø97	Ø167	Ø167	Ø167
Dimensions (mm LxWxH)	355 x 355 x 423,5	708 x 462 x 621	708 x 462 x 846	708 x 462 x 1061
Activated carbon container for HEPA Filter	N / A	AS OPTION	AS OPTION	N / A
Activated carbon container volume (L)	N / A	30	60	N / A

SIEBEC SAS contact@siebec.com
SIEBEC Ltd sales@siebec.co.uk
SIEBEC S.L. ventas@siebec.com
SIEBEC SRL commerciale@siebec.com
SIEBEC GmbH info@siebec.de
SIEBEC LDA info.pt@siebec.com

We are here to help.
Contact-us!