



ATMOS 32

SPECIAL MICRO-MACHINING

Oil mist filtration with cyclonic separation

200 W

Low power consumption:
200 W for a 250 m³/h flow
rate

> 80%

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

66 dB(A)

Silent system : under 66
dB(A) at full speed

ATMOS 32

OIL MIST FILTRATION WITH CYCLONIC SEPARATION

ATMOS 32

Purification designed for
Micro-Machining



Cartouche plissée filtrante
HEPA 13

A compact purification solution dedicated to high-precision micromachining centers

Context and positioning

Micro-machining centers require compact, high-performance equipment capable of maintaining a flawless environment in terms of air cleanliness and precision.

Standard oil mist filtration systems, usually designed for conventional machining centers, are often oversized for these specific applications, leading to high energy and integration costs.

APPLICATIONS

WATCHMAKING
MEDICAL
AEROSPACE
ELECTRONICS
OPTICS
...

ATMOS 32

As a compact version of the ATMOS™ range, this solution was specifically developed for removing oil mist in precision micromachining centers.

It integrates the range's proprietary multi-cyclonic separation technology in a technical configuration optimized for a controlled airflow of 250 m³/h, ensuring high capture efficiency in a format perfectly suited to compact installations.



Ultra-compact

Ideal for micromachining



Healthy atmosphere

High-efficiency filtration



Silent

Controlled sound level of 66 dB(A)

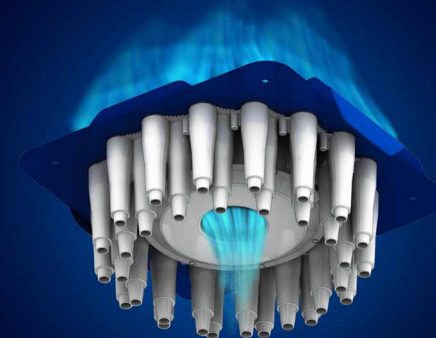


Lubricant savings

Lubricant returned to machine



INSIDE AN
ATMOS 32



Optimized energy efficiency

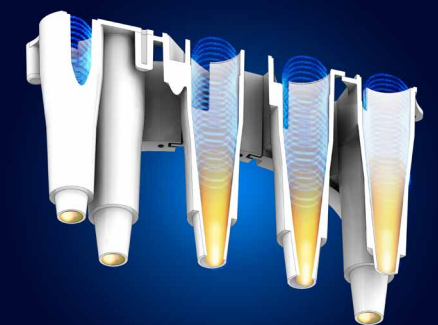
Nominal flow rate of 250 m³/h for a reduced consumption of 200 W.

Thanks to its brushless motor and high-performance turbine, the system operates silently (66 dB(A)) while ensuring energy efficiency significantly superior to traditional cartridge solutions.

High-performance cyclonic separation

SIEBEC multi-cyclonic separation technology, new design under European patent application, removes over 99% of oil mist at the inlet.

Droplets are projected at high speed against the walls and then recovered by gravity, enabling direct return of lubricant to the machine.



High-efficiency final filtration

The HEPA 13 final stage guarantees clean discharged air, compliant with air quality requirements (< 50 particles of 0.1 µm/L).

Mechanical pre-separation significantly extends filter life, reducing replacements and maintenance costs.

Visual control and easy maintenance

An integrated light strip indicates operating status with a clear color code.

The operator is informed in real time of clogging or anomalies, ensuring quick monitoring and easy maintenance.



Illustrations and data are not contractual.

MADE IN EUROPE
FRANCE & PORTUGAL



Key points of the range

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 32	ATMOS 64	ATMOS 128	ATMOS 192
Effective air flow rate (m³/h)	250	500	1000	1500
Power (W)	200	290	580	870
Supply	230V 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



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We are here to help.
Contact-us!

