A•mist6C Compact Oil Mist Filter

The Absolent type A•mist Oil mist filter features one of the most effective systems in the world for cleaning oil mist. The compact filter unit A•mist6C is designed for air flows up to 600m³/h. The filter unit can be installed close by or on top of the metalworking machine and is thus especially suitable where floor space is restricted.

The highest possible collecting efficiency.
The filtered air becomes so clean that it usually can be returned to the premises. This means less loss of energy and a more balanced ventilation.

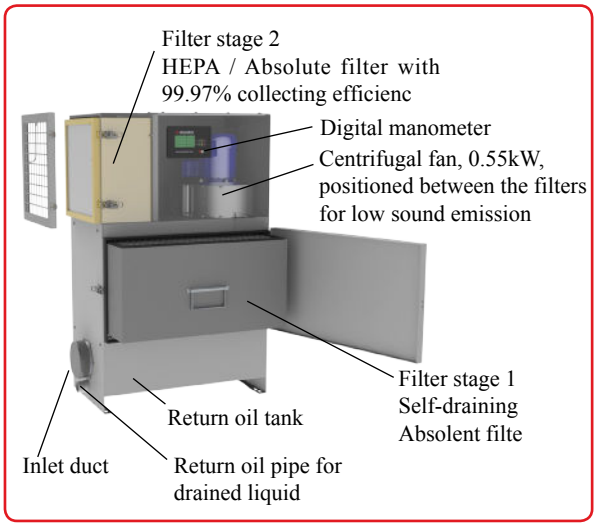
Extremely low maintenance.
Absolent filter units can usually run for at least one year without requiring a filter change. In the majority of applications, Absolent fi ter cassettes are washable*. This results in a low total cost of ownership.

A very reliable filter unit.
The fan, as the only moving component, is placed at the clean-side to minimize ware & tare as well as vibrations.

Extremely low noise level for agreeable working conditions.

*This does not include HEPA filters

A•mist6C



Operation
The filtering process occurs in two stages. The first stage consists of the self-draining Absolent filte , in which up to 90% of the oil mist is arrested. The second stage consists of a H13 HEPA filte , which has a guaranteed and consistent collecting efficiency of 99.97% arresting 0.3µm dia. particles. The filter unit has an electronic pressure gauge, A•monitor, which shows the pressure drop over the different filter stages and indicates when a filter cassette is to be changed. Thanks to the continuous draining of the fi ter cassettes, the unit can be operated without interruptions. The return oil is collected at the bottom of the filter for recycling.

Range of Application
The Absolent A•mist is well suited for use in applications such as:
- Grinding (cutting fluid emulsion
- Turning (cutting fluid emulsion
- Milling (cutting fluid emulsion
- Electrical discharge machining
- Machining using neat oil and moderate loads

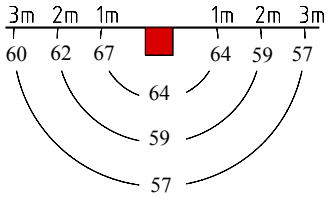
Design
A•mist6C occupies a minimum of space either on the floor or on top of the metal working machine. It has a highly robust design and is supplied with a baked powder painted finish that adds colour to the shop floo .

Ongoing product development may subject our specifications to alteration without notice

Technical Data		A•mist6C
Max permissible air volume	[m³/h]	600
Sound level, 1m in front of filter uni [1]	[dB(A)]	64
Weight (dry filters	[kg]	65
Filter area, filter 1 (Absolent filte	[m²]	7,7
Filterarea filter 2 (HEPA filter	[m²]	6,8
Fan Data		
Motor output	[kW]	0,55
Power supply	[V]	380-420
- Rated current (3-Phase)	[A]	1,35
Power supply	[V]	200-240
- Rated current (1-Phase)	[A]	4,0
Speed	[rpm]	2800

[1] Sound absorption in premises=200m², Hemispherical sound propagation. For sound calculation concerning a specific room, contact us at Absolent or any of our dealers.

Sound level A•mist6C, dB(A)[1]

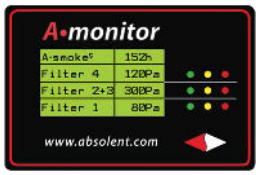


Unique filter cassettes

Absolent is one of few companies in this line of business that has specialized in the filtration of air containing wet particles. This has given us the opportunity to develop a filter cassette that offers a long useful life with consistently high separation efficienc .

Standard Equipment

- RAL 7035 fine structure SK
  Other colours on request!
- Electronic manometer with the following features:
  - ✓ Pressure drop and operation hour meters
  - ✓ Optical indication of filter alarm (LED).
  - ✓ Digital output signal for remote supervision.



Accessories

- Motor starter for fan. Either a manual or protective motor contactor (for automatic or external start)
- Duct connection for various types of steel or plastic ductwork available on the market
- Water trap for various connections of the return oil pipe
- Pressure monitor, for external alarm or alarm indication with LED
- Special colours

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