

A•mist^{6C} 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•mist^{6C} 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.

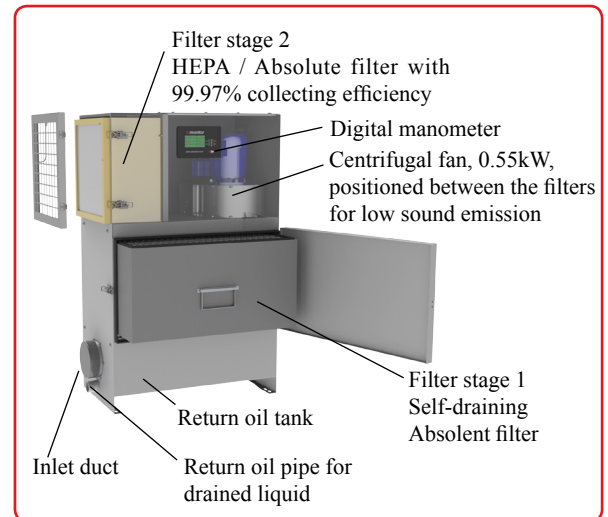
Absolent filter units can usually run for at least one year without requiring a filter change. In the majority of applications, Absolent filter cassettes are washable*. This results in a low total cost of ownership.

A very reliable filter unit.

The fan, as the only moving component, is placed at the clean-side to minimize wear & tear as well as vibrations.

Extremely low noise level for agreeable working conditions.

*This does not include HEPA filters.



Operation

The filtering process occurs in two stages. The first stage consists of the self-draining Absolent filter, in which up to 90% of the oil mist is arrested. The second stage consists of a H13 HEPA filter, 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 filter 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•mist^{6C} 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 floor.



