

A•mist^{40/80T} Centralized Oil Mist Filters without fan

The Absolent type A•mist Oil mist filter features one of the most effective systems in the world for cleaning oil mist. The series of central filter units consists of parallel modules which are dimensioned after the needed air-flow. The advantages of central filters are a cheaper installation, easier service because of less service points and the possibility to lead the process air through a heat exchanger. Lead for example the process air outside during summer and back into the premises at winter time.

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.

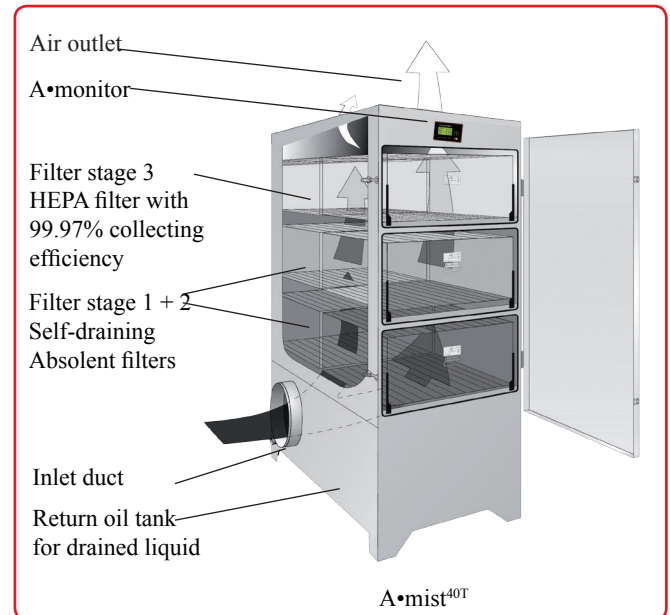
Extremely low maintenance.

Absolent filter units can usually run for at least one year without requiring a filter change. Moreover, A•mist filter cassettes can usually be washed.* This results in a low total cost of ownership.

A very reliable filter unit.

The filter unit does not have any moving components, which eliminates the risk for stand-stills.

*Does not apply for the HEPA filter.



Operation

The filtering process occurs in three stages. The first and second stages consist of self-draining Absolent filter cassettes. The third stage consists of a 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 straight oil and moderate loads

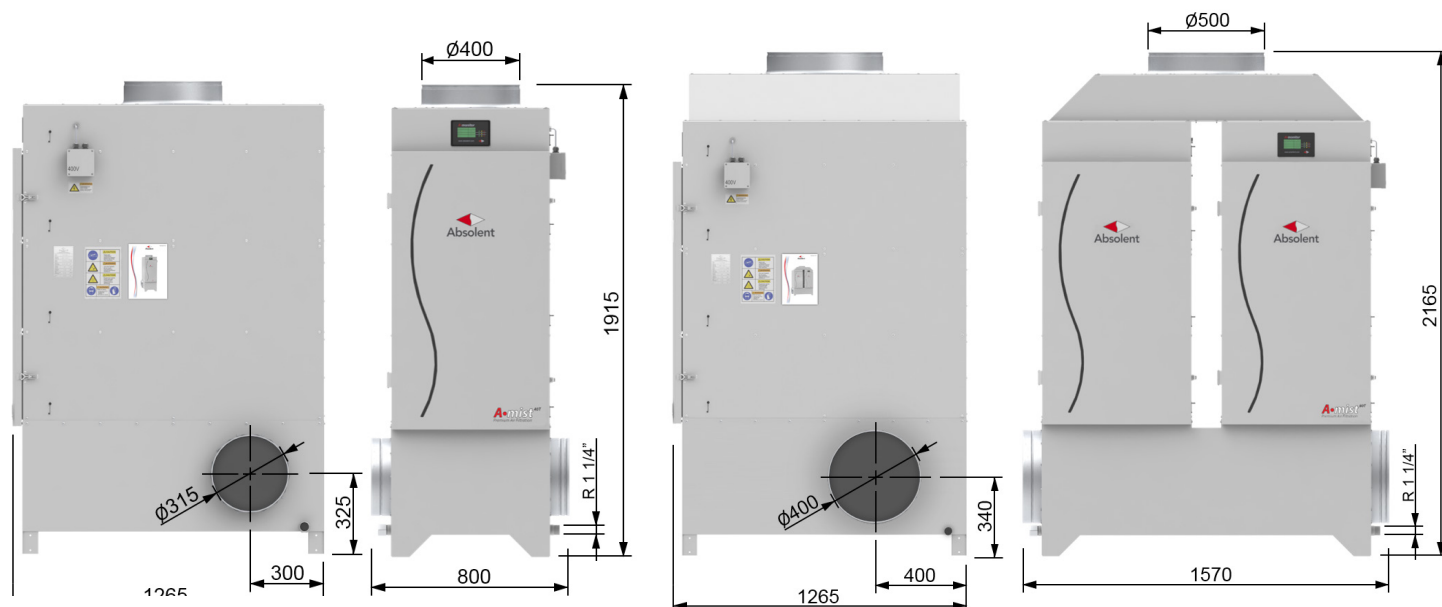
Functional design

The A•mist filter range has a highly robust tower design that occupies a minimum of floor space. Its hinged access doors make service still more convenient. The filter is supplied with a baked powder painted finish that adds colour to the shop floor.



A•mist^{40T}

A•mist^{80T}

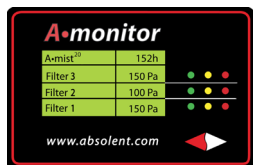


Technical Data		A•mist ^{40T}	A•mist ^{80T}
Max permissible air volume	[m ³ /h]	4000	8000
Filter area, filter 1 (Absolent filter) ²⁾	[m ²]	28.6 ¹⁾	57.2 ¹⁾
Filterarea filter 2 (Absolentfilter)	[m ²]	25.6 ¹⁾	51.2 ¹⁾
Filter area, filter 3 (HEPA filter)	[m ²]	40.8	81.6
Weight (dry filters)	[kg]	325	640

¹⁾ The filter area varies for different applications.

Standard Equipment

- RAL 7035 fine structure SK3
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

- Carbon filter
- Duct connections for steel or plastic ductwork
- Extension legs, standard height 400 mm
- Water trap for various connections of the return oil pipe
- Pump unit for pumping the return oil from the filter.
- Special colours

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 efficiency.

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