



# A•mist<sup>40/80T</sup> Central Oil Mist collectors without fan

The Absolent type A•mist Oil mist collector features one of the most effective systems in the world for cleaning oil mist. The series of central collector units consists of parallel modules which are dimensioned after the needed air-flow. The advantages of central collectors 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.

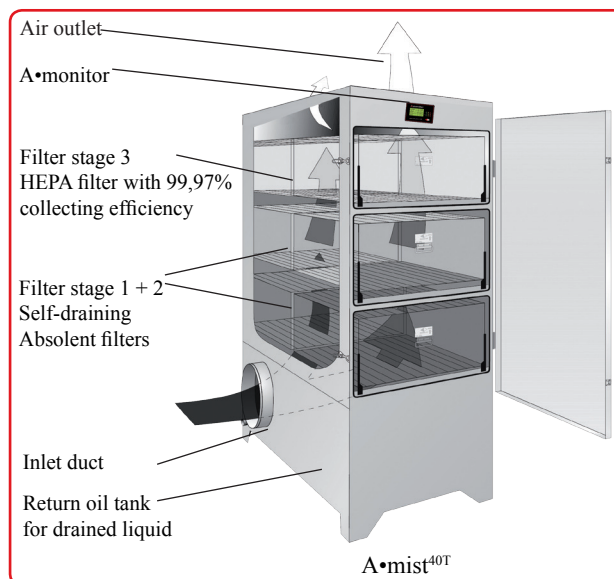
### Extremely low maintenance.

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

### A very reliable filter unit.

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

\*This does not include HEPA filters.



### 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 0.3 micron dia. particles. The unit has an electronic pressure gauge, A•monitor, which shows the pressure drop over the different stages and indicates when a cassette is to be changed. Thanks to the continuous draining of the 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

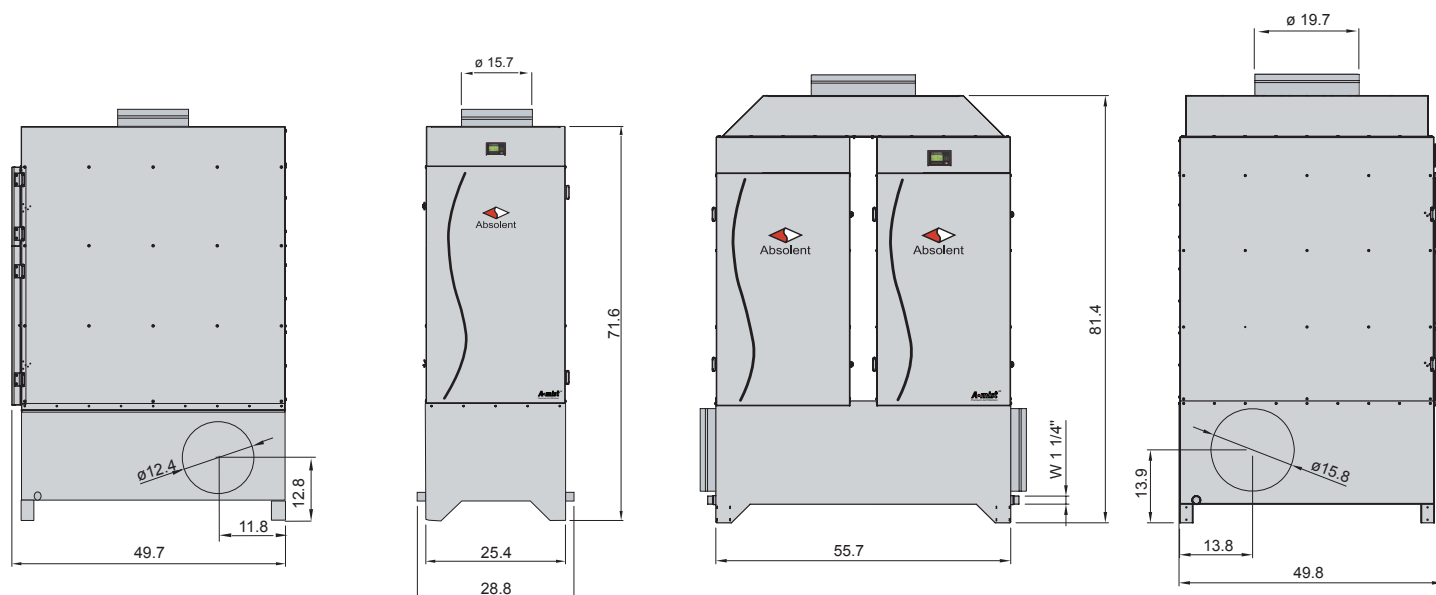
The A•mist range has a highly robust tower design that occupies a minimum of floor space. Its hinged access doors make service still more convenient. The filter is supplied with a baked powder painted finish that adds colour to the shop floor.



A•mist<sup>80T</sup>

**A•mist<sup>40T</sup>**

**A•mist<sup>80T</sup>**

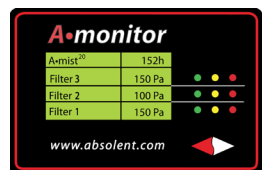


Technical Data		A•mist <sup>40T</sup>	A•mist <sup>80T</sup>
Max permissible air volume	[cfm]	2350	4700
Filter area, stage 1 (Absolent filter) <sup>1)</sup>	[ft <sup>2</sup> ]	308 <sup>1)</sup>	616 <sup>1)</sup>
Filterarea stage 2 (Absolentfilter)	[ft <sup>2</sup> ]	276 <sup>1)</sup>	552 <sup>1)</sup>
Filter area, stage 3 (HEPA filter)	[ft <sup>2</sup> ]	440	880
Weight (dry filters)	[lbs]	716	1411

<sup>1)</sup> The filter area varies for different applications.

**Standard Equipment**

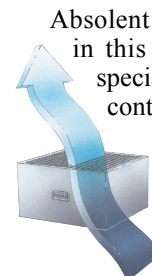
- ● RAL 7035 fine structure  
Other colours on request!
- Electronic manometer with the following features:
  - ✓ Pressure drop and operation hour meters
  - ✓ Optical indication of filter alarm (LED).
  - ✓ Digital output signal for remote supervision.



**Accessories**

- Carbon filter
- Duct connections for steel or plastic ductwork
- Extension legs, standard height 19.7 in
- 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.

Ongoing product development may subject our specifications to alteration without notice.

**Absolent Inc.**  
8601 Six Forks Road, Suite 400  
Raleigh, NC 27615  
USA  
Phone: +1 (919) 882 2075  
Fax: +1 (919) 882 2087  
E-mail: info@absolent.com  
Sweden • USA • China



www.absolent.com

**Dealer:**