



Central Oil Mist collection system

- ODF 4000 and up

The Absolent ODF product line features one of the most effective systems in the world for collecting oil mist from various machining processes. This series of central collectors are dimensioned to the required air-flow and sized in standardized parallel modules. ODF is designed for handling the most common applications with mist problem. Typical applications are turning, milling and grinding with coolant. The ODF collection system is distinguished by its durability and the minimal maintenance required.

Operation

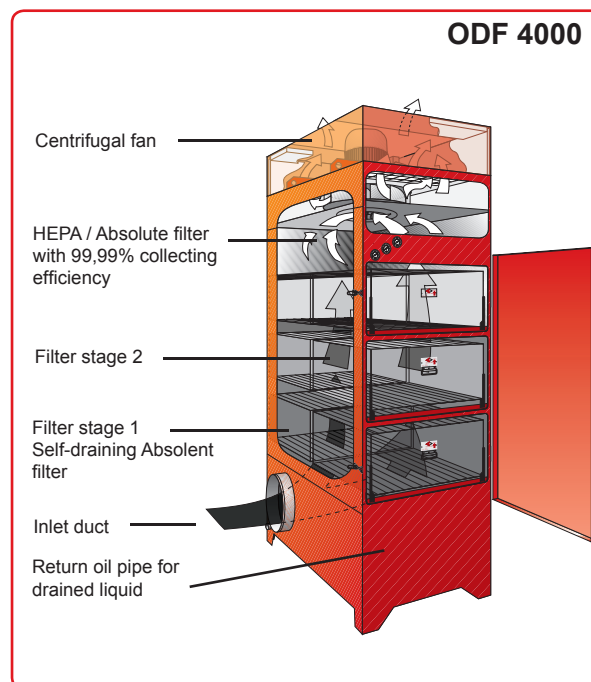
The collecting process is done in three stages. The first and second stage consist of self-draining Absolent filter cassettes which are specifically designed for collecting mist. These two stages combined have a collecting efficiency of 90-95% depending on particle size and application. The third stage consists of a HEPA-filter (H13), which has a guaranteed and consistent collecting efficiency of 99.99% down to 0.3µm particles. Every filter stage has a pressure gauge that indicates when a filter change is necessary. Thanks to the continuous draining of the filter cassettes, the unit can be operated without interruptions. The returned "oil" is collected at the bottom of the filter for recycling.

"Absolently" clean air

The filtered air becomes so clean that it can usually be returned to the premises. For heated and air-conditioned plants this



ODF 8000TF



means a reduction of energy loss and for all plants it reduces the effort and cost to maintain a well balanced general ventilation.

Extremely low maintenance

An Absolent ODF unit can run up to 3 years without requiring a filter change. The result is a low Life Cycle Cost.

Reliable and durable design

The ODF has a very compact design minimizing required floor space. The unit contains no moving components except for the fan which makes it a very reliable collector.

Furthermore it is a highly robust tower design in high strength steel to ensure a totally leak free functionality.

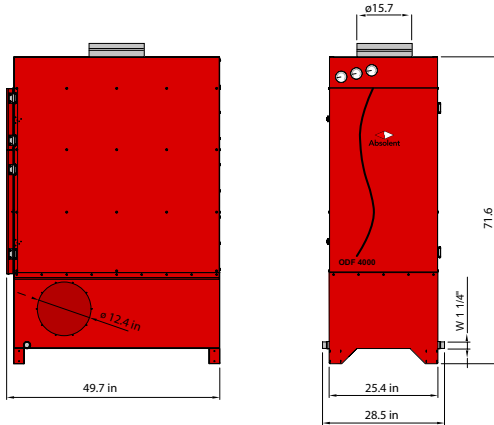
The ODF comes with powder coated finish that adds a quality styling to the shop floor.

Range of Application

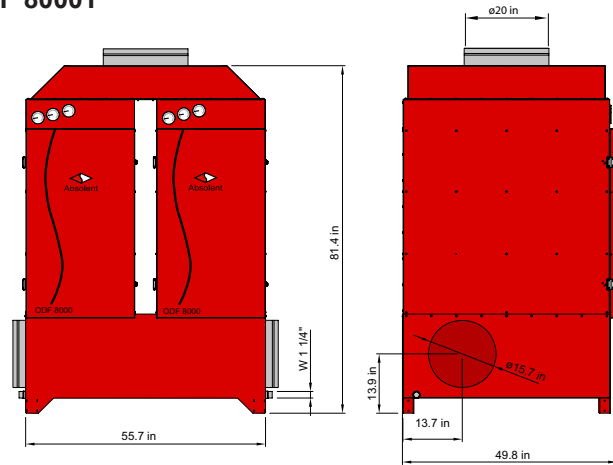
The Absolent ODF collector is well suited for applications such as:

- Grinding (coolant)
- Turning (coolant)
- Milling (coolant)
- Electrical discharge machining
- Machining using a moderate amount of straight oil

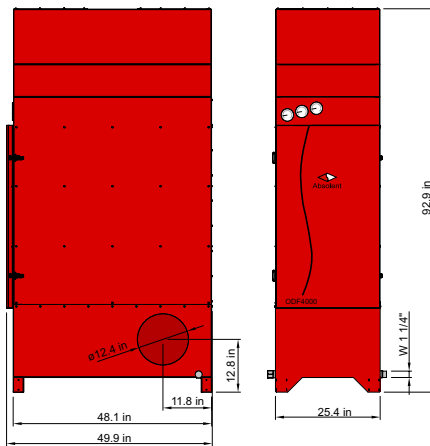
ODF 4000T



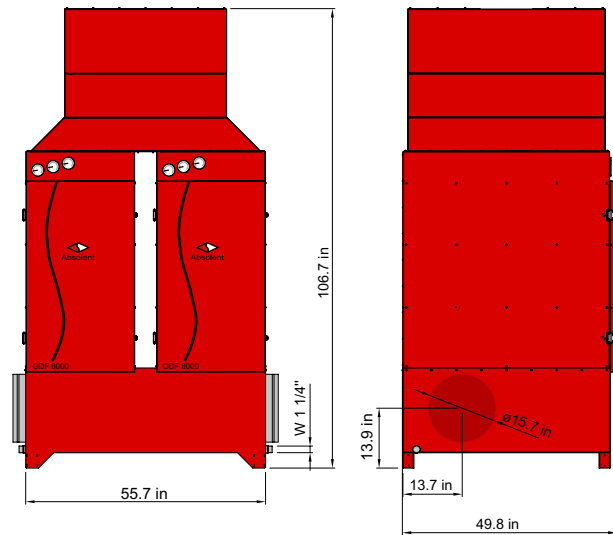
ODF 8000T



ODF 4000TF



ODF 8000TF



Technical data

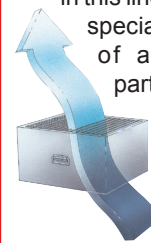
	ODF 4000T	ODF 4000TF	ODF 8000T	ODF 8000TF
Max. permissible air volume [cfm]	2350	2350	4700	4700
Sound level [dB(A)]	1) ¹⁾	70 ²⁾	1) ¹⁾	70 ³⁾
Filter area, filter 1 (Absolent filter) [ft ²]	308	308	616	616
Filter area, filter 2 (Absolent filter) [ft ²]	276	276	552	552
Filter area, filter 3 (HEPA-filter) [ft ²]	440	440	880	880
Fan motor [kw/hp]		5.5 TF		10TF

1) Sound absorption in premises=2153ft², Hemispherical sound propagation. For sound calculation concerning a specific room, contact us at Absolent or any of our dealers.

2) The filter area varies for different applications.

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 collecting efficiency.



Standard Equipment

- Colour ● Red (RAL 3000) ● Grey (RAL 7032)
- Pressure gauges for reading the pressure drop across the filter

Accessories

- External fan unit
- Automatic starter
- Pump unit for drained liquid
- Control of pump equipment

- Frequency control of the fan with constant pressure control
- Duct connections for various types of steel or plastic duct work available on the market
- Pressure monitor for external alarm or alarm indications with LED
- Special color



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