



# ODF 800 Oil Mist Filter

The Absolent type ODF 800 Oil mist filter features one of the most effective systems in the world for cleaning oil mist. The unit requires very little service (can run for 1–3 years without requiring a filter change).

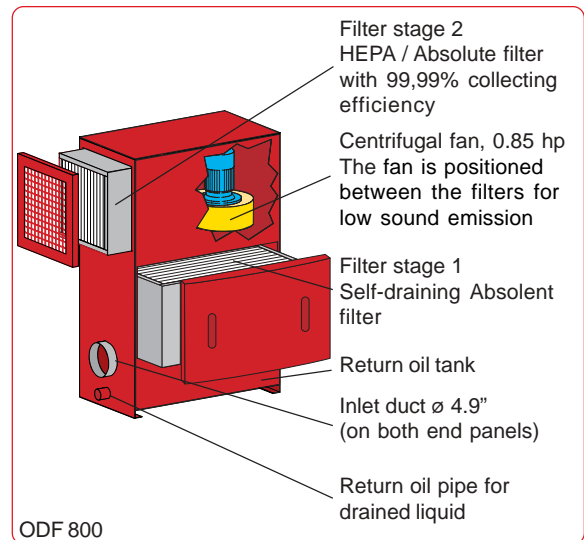
For Absolent customers, this means extremely low life cycle costs.

The ODF 800 Oil mist filter is the most compact filter in the popular ODF series and is therefore the natural choice where little floor space is available. The filter can be positioned in connection to or directly on the metalworking machining. The ODF 800 filtration unit is designed for handling applications with air flows of up to 355 cfm.

## Absolent products offer a unique combination of long useful life and high collecting efficiency

The Absolent filter unit offers a long useful life as well as consistently high collecting efficiency, thanks to its design and generous filter surface measuring 156 ft<sup>2</sup>.

Already after the first, self-draining Absolent filter, the particle level in the air is in most cases less than 1.0 mg/m<sup>3</sup>. The ODF 800 is equipped with a second filter stage, a so-called HEPA filter, which ensures consistent collecting efficiency. Thanks to these two filter stages, the air can usually be returned to the premises. This means less loss of energy and more balanced ventilation in the premises. In the majority of applications, the stage 1 filter is washable.



## Operation

The filtering process occurs in two stages. The first stage consists of the self-draining Absolent filter, in which the filter material is adapted and mixed specifically for each application. The second stage consists of a HEPA filter, which has a guaranteed consistent collecting efficiency of at least 99.99% arresting 0.3 µm dia. particles.

Thanks to the unique design of the filter, the Absolent ODF filter can be operated continuously without any unnecessary interruptions for draining. The return oil is collected at the bottom of the filter for recycling.

## Range of Application

The Absolent ODF 800 is well suited for use in applications such as:

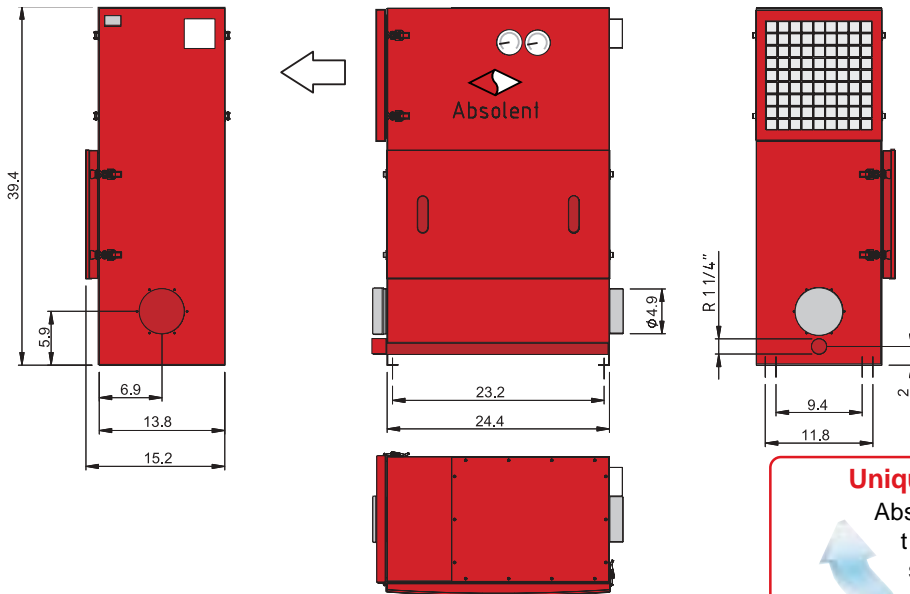
- Grinding (cutting fluid emulsion)
- Turning (cutting fluid emulsion)
- Milling (cutting fluid emulsion)
- Electrical discharge machining
- Machining, using straight oil and moderate loads

## Design

The ODF 800 has a highly robust tower design that occupies a minimum of floor space. The ODF 800 is supplied with a baked powder painted finish that adds colour to the shop floor.

# ODF 800

All measurements are stated in [inch]



**Unique filter cassettes**

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

## Technical Data

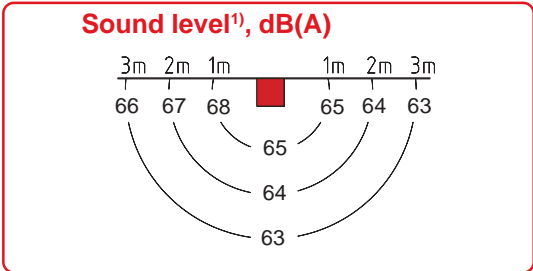
Max. permissible air volume	355 cfm
Sound level, 1m in front of filter unit <sup>1)</sup>	65 dB(A), (see illustration)
Weight (dry filters)	143 lbs.
Available dim. external pressure drop	< 50 Pa
Filter area, filter 1 (Absolent filter)	83 ft <sup>2</sup>
Filter area, filter 2 (HEPA-filter)	73 ft <sup>2</sup>

**Fan Data**

Motor output	0.85 hp
Rated current (3-phase)	1.26 A
Power supply (3-phase)	440-480 V
Speed	3400 rpm

**Color options**

	Red (RAL 3000)
	Grey (RAL 7032)
<i>Other colors can be quoted on request!</i>	



- Standard Equipment**
- Pressure gauges for reading the pressure drop across the filter
- Accessories**
- Motor starter for fan. Either a manual or protective motor contactor (for automatic or external starting)
  - 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

<sup>1)</sup> Sound absorption in premises=1078 ft<sup>2</sup>, Hemispherical sound propagation. For sound calculation concerning a specific room, contact us at Absolent or any of our dealers.



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