

Absolent

ODF 1000 Oil Mist Filter

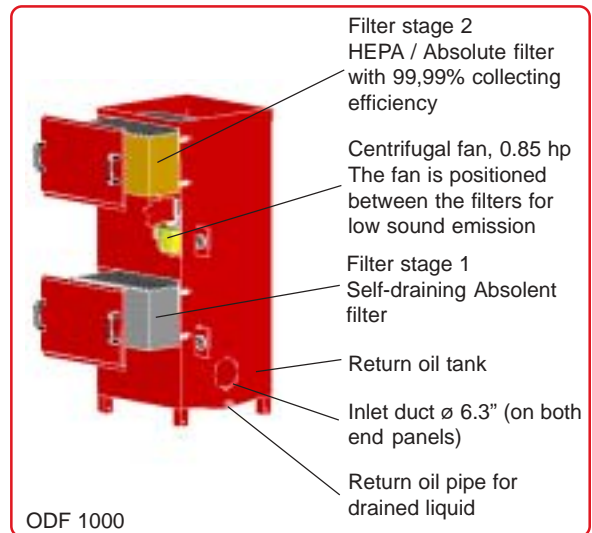
The Absolent type ODF 1000 Oil mist filter features one of the most effective systems in the world for cleaning oil mist. The unit requires very little service (can run for 1–3 years without requiring a filter change). For Absolent customers, this means extremely low life cycle costs.

The ODF 1000 filtration unit is designed for handling applications with air flows of up to 590 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 357 ft². Already after the first, self-draining Absolent filter, the particle level in the air is in most cases less than 1.0 mg/m³. The ODF 1000 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 1000 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 1000 has a highly robust tower design that occupies a minimum of floor space. The ODF 1000 is supplied with a baked powder painted finish that adds colour to the shop floor.

