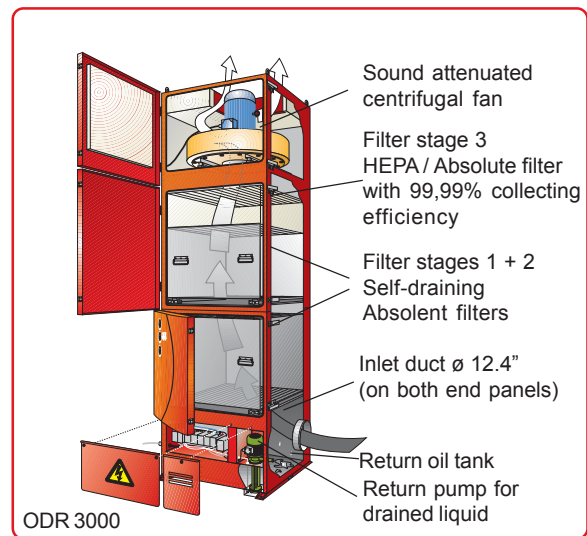




ODR 3000 Oil Smoke Filter

The Absolent type ODR 3000 Oil smoke filter features one of the most effective systems in the world for cleaning oil mist and oil smoke. The unit requires very little service: it can run for 1–6 years without requiring a filter change. For Absolent customers, this means extremely low life cycle costs. The ODR 3000 filtration unit is designed for handling the most demanding applications, for air flows of up to 2350 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 either 1140 ft² (standard) or 1269 ft² (special requirements). Already after the second, self-draining Absolent filter, the particle level in the air is in most cases less than 1.0 mg/m³. The ODR 3000 is equipped with a third filter stage, a so-called HEPA filter, which ensures a consistent collecting efficiency. Thanks to these three filter stages, the air can usually be returned to the premises. This means less loss of energy and more balanced ventilation in the premises.



Operation

The filtering process occurs in three stages. The first and second stages consist of the self-draining Absolent filters, in which the filter material is adapted and mixed specifically for each application. The third 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 ODR filter can be operated continuously without unnecessary interruptions for draining. The return oil is collected at the bottom of the filter for recycling.

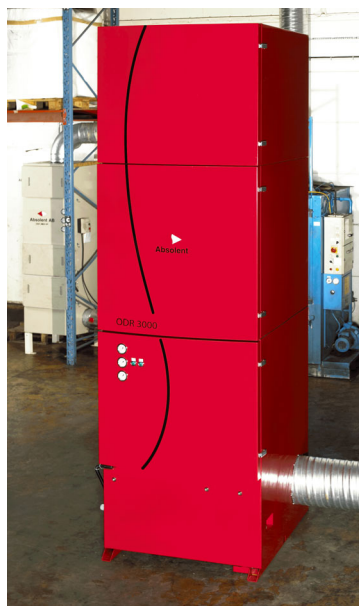
Range of Application

The Absolent ODR 3000 is well suited for use in applications such as:

- Heat-treatment
- Cold-drawing
- Gear cutting
- Grinding with straight oil
- CNC turning with straight oil
- Forging operations and cold pressing

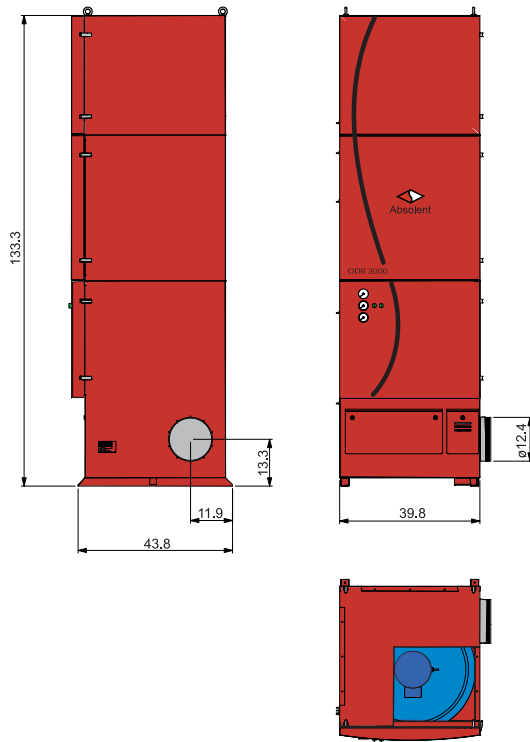
Design

The ODR 3000 has a highly robust tower design that occupies a minimum of floor space. For easier and safer service, it has now hinged doors and the pressure gauges, pump and control box are built-in. The ODR 3000 is supplied with a baked powder painted finish that adds colour to the shop floor.



ODR 3000

All measurements are stated in [inch]

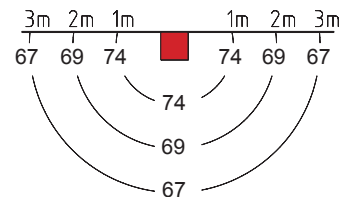


Unique filter cassettes



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

Sound level¹⁾, dB(A)



Technical Data

Max. permissible air volume	2350 cfm
Sound level, 1m in front of filter unit ¹⁾	74 dB(A), (see illustration)
Weight (dry filters)	2205 lbs.
Available dim. external pressure drop	300 Pa ²⁾
Filter area, filter 1 (Absolent filter)	258 ft ² or 387 ft ² (the area differs for various applications)
Filter area, filter 2 (Absolent filter)	275 ft ²
Filter area, filter 3 (HEPA-filter)	607 ft ²

Fan Data

Motor output	10.0 hp
Rated current (3-phase)	12.4 A
Power supply (3-phase)	440-480 V
Speed	3510 rpm

Color options:

- Red (RAL 3000)
 - Grey (RAL 7032)
- Other colors can be quoted on request!*

Standard Equipment

- Pressure gauges for reading the pressure drop across the filter
- Lifting lugs

Accessories

- Return pump for drained liquid
- Control of pump equipment
- Alarm indication with LED for pump
- Frequency control of the fan
- Constant flow control
- Duct connections for various types of steel or plastic ductwork available on the market
- Silencer, outlet
- Extension legs
- Water trap for various connections of the return oil pipe
- Spray system

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

¹⁾ Sound absorption in premises=2156 ft², Hemispherical sound propagation. For sound calculation concerning a specific room, contact us at Absolent or any of our dealers.

²⁾ At 1765 cfm the available dim. external pressure drop is 1200 Pa.



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