

## Blockfilter unit



# The completely corrosion-resistant exhaust air filter system against odours

Many waste disposal and agricultural operations, such as sewage treatment and biogas plants, struggle with intense odours that are not only unpleasant but also harmful to health. The decomposition of organic biomass mainly produces carbon dioxide and methane - a serious problem.

This is where the innovative COALSI block filter unit comes into play. This **highly efficient** solution cleans approx. 200 m<sup>3</sup> of exhaust air every hour and neutralises the odours almost completely.

At the heart of this system are the COALSI activated carbon filter mats, which ensure thorough cleaning of the exhaust air thanks to triple filtration. The air is channelled evenly through all filter elements and then discharged cleanly. The 10 layers of 2 mats each ensure optimum flow distribution and maximum efficiency.

Changing the filter couldn't be easier:

simply pull out the mats, replace them - done.

All components of the COALSI block filter system are made of **high-quality polymer**, making them **completely resistant to corrosion**.



## Advantages of the COALSI Blockfilter



**Efficient filter** performance on a compact footprint of just 0.6 m<sup>2</sup>.



Long service life and **minimum maintenance**.



The individual parts can be completely **dismantled, cleaned and re-assembled**.



**Easy installation** of the filter shelves thanks to practical plug-in connections



**Corrosion resistance** thanks to high-quality polymer material (PP-HD).



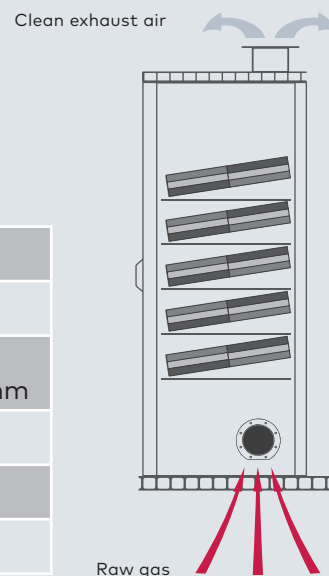
**Compact design** with a weight of only about 180 kg.

## Technical data

### UT31400

For passive operation, no electronic control.  
Intended for transport by industrial truck.

W x D x H	approx. 100 cm x 60 cm x 150 cm
Weight (ready for use)	approx. 180 kg
Filter	10 layers of 2 mats each in the dimensions 400 mm x 500 mm x 80 mm
Air inlet	DN 100/150
Air outlet	DN 100/150v
Filter area	approx. 4 m <sup>2</sup> per Blockfilter



## The right solution for any odour problem

### Basic version

**15,450 €**

### Option 1

Disc fan, control unit and  
compressor (can also be retro-  
fitted later)

**2,500 €**

### Option 2

UV/ozone lamps, incl.  
control unit (can also be retro-  
fitted later)

**2,850 €**

The options can be used individually or together.

## The unique COALSI filter mats - activated carbon at its best



Our innovative filter mats combine three powerful technologies for first-class air purification: Microorganisms on a specialised PU mat break down odorous substances, mechanical filtration removes chemical impurities and high-quality activated carbon material retains gas molecules. The practical mat shape makes handling particularly easy. Rely on this effective solution for a clean and healthy environment.

### Replacement package mats

**1.873,50 €**

We will be happy to replace the filter mats for you. Just get in touch with us.

Subject to change without notice.  
All prices plus VAT and shipping.

A brand of  
 Fritzmeier Umwelttechnik GmbH & Co. KG  
Dorfstraße 7  
D-85653 Großhelfendorf  
Tel. +49 8095 87339 0  
[www.coalsi.com](http://www.coalsi.com)

