

Profit without risk

Our offer:

free laboratory test worth 400 euros

We will inspect two of your used filter elements (and a new filter element, if required) for you. You will then receive a detailed laboratory report, which provides information on the following parameters:

- Square measures
- Air permeability
- Maximum tensile strength and elongation
- Inflow and outflow sides and cross-section (microscopic)
- Condition (physical and chemical)

The inspection and analysis are conducted in accordance with DIN/ISO testing standards in both the delivered and cleaned condition. The laboratory report includes a comprehensive discussion of results with an evaluation of the ventilation and filtration condition, as well as an appraisal of whether the filter needs to be cleaned. Naturally, we will also point out possible causes of damage and communicate optimisation suggestions.



For a clean environment!



- Cost-cutting cleaning methods
- Dismantling and reassembly
- Professional waste disposal
- Turnkey systems
- Servicing and inspections
- Laboratory services
- System modifications
- Production of filter elements
- Accessories, including support cages, solenoid valves, venturis, control devices, leak detection powder

We would be glad to inform you about the advantages of F.O.S. On-Line Cleaning® and other services we provide for your filter system in a personal discussion. We look forward to hearing from you!

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Your contact person



For a clean environment!

Save time
Reduce costs
Protect the
environment

Filter cleaning during
running operation:
F.O.S. On-Line Cleaning®



Acting sustainably with expertise

F.O.S. Umwelt- und Filtertechnik: your partner for system efficiency

F.O.S. Umwelt- und Filtertechnik Deutschland GmbH offers you more than 20 years of experience as a system supplier in the field of dedusting technology. Our diverse range of products and services, our detailed expertise and, above all, our dedicated commitment make us a reliable and capable partner in all sectors of the industry:

- Filter system accessories and high-quality filter tubes "Made in Germany"
- Certified specialist waste disposal operator
- Customised filter system construction
- Comprehensive services

On these pages, we would like to present our patented procedure for filter cleaning during running operation: F.O.S. On-line Cleaning®. With it, we ensure that your filter system is always in optimal working condition – thereby making a major contribution toward the efficiency of your entire operation.

Efficient without any stops

F.O.S. On-Line Cleaning®

The cleaning method for vertically installed filter tubes and filter cartridges results in an efficient, thorough and secure removal of dust on the surface and in the depth of the filter media. This procedure is possible without stopping the production process (n-1 operation).

You save time: The filter tubes do not have to be removed and reinstalled in a complex manner before cleaning.

You reduce costs: Filter cleaning during running operation is significantly more cost-effective than an overall exchange – costs can be reduced by up to approx. 80%.

You protect the environment: With F.O.S. On-Line Cleaning®, the dust remains in the circuit of disposal. Cleaning and reusing intact filters preserves valuable resources.



Cleaned filter element



Contaminated filter element

Sample calculation

Based on the reference of a waste recycling enterprise (2,048 filter tubes from PTFE/P84)

Effective cost savings
(no investment in new filter tubes,
no dismantling and reassembly) **108,832 euros**

No stop in production
(results in savings, as the cleaning
is carried out in n-1 operation) **160,000 euros**

Energy conservation by reducing
the ventilator performance **36,835 euros p.a.**

CO₂ savings

as the filter tubes no longer need
to be disposed and no new production
of filters is required **~ 6 t**

by reducing the ventilator performance **20 t p.a.**

Your benefits at a glance:

- Cost reduction of up to 80%
- Guaranteed quality
- No costs for dismantling and reassembly
- Increased production time
- No hazardous disassembly
- No costs for waste disposal
- Saving energy costs through preventative cleaning
- Significant CO₂ reduction

