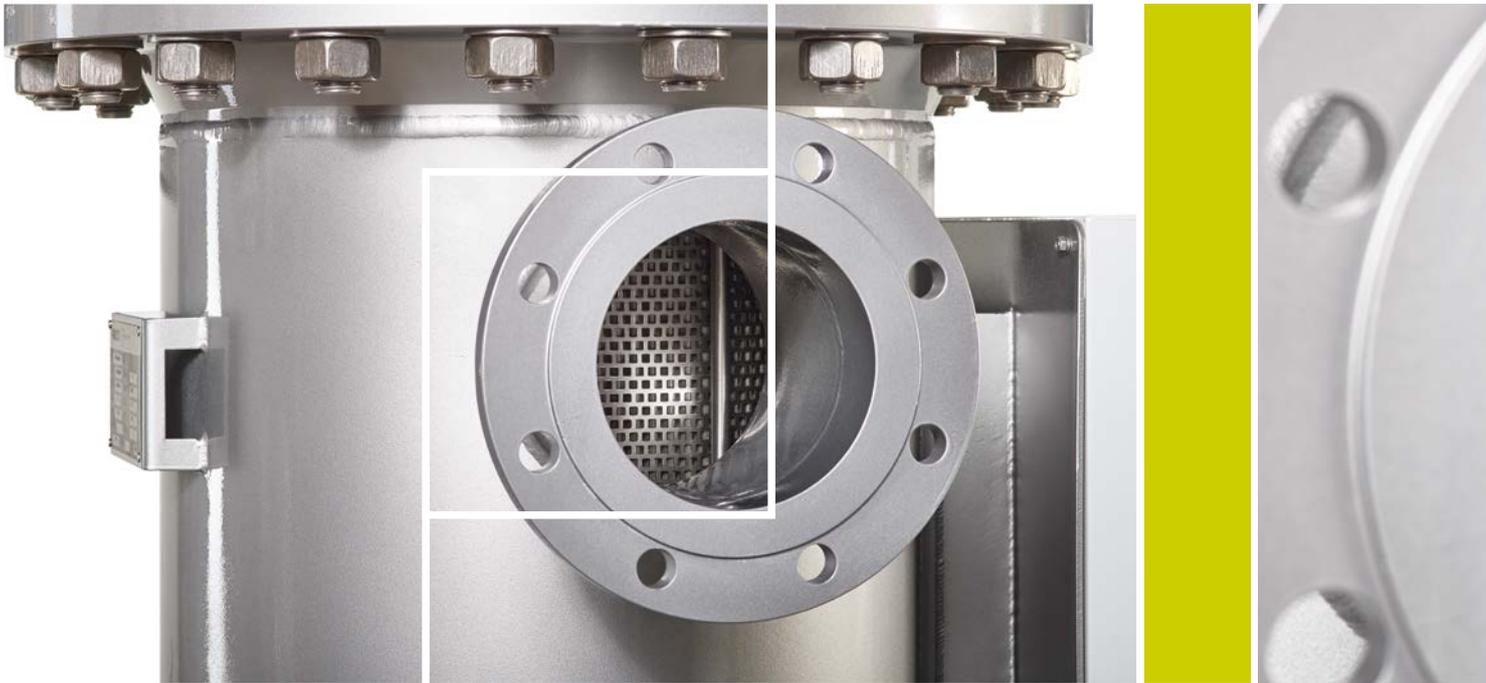


FAUDI

Innovative filter technology for the highest standards.



Changing the world through innovation

High-efficiency filter systems from FAUDI.

Innovation is not an end in itself. It serves to benefit the customer and facilitate the company's commercial success. Our developments in this respect are always based on our customers' requirements and are implemented along with them. In this way, we ensure that the focus is on customer benefit.

Ever since our company was founded, we have continued to provide crucial support in the industrial processing and cleaning of liquids and gases.

Numerous patents and developments are proof of this. We are even a little proud of this. However, even more importantly, thanks to the outstanding engineers in the FAUDI team, we will also be able to successfully provide solutions in future to complex challenges in the world of filtration. This is exactly what drives us.



FAUDI

We understand the filtration demands of tomorrow.

As specialists in filtration technology, we have a clear understanding of the demands on our products. What matters is greater performance, higher efficiency, more productivity in particular and, ultimately, cost optimisation.

As one of the world's leading suppliers in filtration technology for liquids and gases, FAUDI has an extensive product portfolio that offers you the filtration solution to suit your requirements.

The latest innovative development of our RSF 32 automatic backflush filter meets the requirements for a wide range of filtration applications with tried-and-tested FAUDI quality.

- Fully automatic backflush
- Filtration rating up to 5 µm
- Modular and robust design for easy maintenance and long service life
- Extremely high dirt-holding capacity
- High flow rates owing to modular arrangement of filters
- Efficient and thorough cleaning of the entire filter surface of the filter element
- Effective backflush with long backflush lines and low pressure ratios



Industries and areas of application

The world of filtration.

FAUDI filtration technology facilitates high system availability in a wide range of industries:



Petrochemistry

- Amines
- Hydrocarbons and oils
- Membrane and reverse osmosis



Chemistry

- Acid filtration
- Varnish and paint



Process water

- Power plant (cooling water, condensate)
- Building services
- Geothermal energy
- Mining

FAUDI filter element type RSF 32 with flush arm

The rotating backflush arm serves to clean residue from the entire filter surface of the filter element.

FAUDI combines the latest filtration materials and technologies to ensure long-lasting performance and trouble-free operation



Quality in focus

Filter elements from FAUDI.

The filter element is at the heart of every filter. We use exclusively high-quality components and materials in our filters and filter systems. The original FAUDI filter elements have been tried and tested and are renowned for their high-quality design. Longevity, durability and optimum cleaning capacity are always paramount.

FAUDI offers you:

- Extremely robust construction
- High-quality filter materials and fabrics made from stainless steel
- Filter rating $\geq 5 \mu\text{m}$
- Easy-maintenance spare-parts concept

Innovative efficiency

Backflush and cleaning without residues.

At FAUDI, we are continuously working to refine our products. In order to improve cleaning, the new FAUDI automatic RSF 32 has been fitted with a rotating backflush arm. This backflush arm is used for efficient cleaning and minimises backflush losses. What's special is that the entire surface of the filter element is cleaned of residue by using sectional backflushing.



Everything under control

The FAUDI automatic backflush filter.

Configured with an optional controller, the automatic backflush filter is ready for use as a plug-and-plug solution.

You benefit from:

- Fully automatic and continuous filtration
- Modern PLC for customising operating parameters
- Fault monitoring
- Option of externally initiating the backflush process
- Remote monitoring/industry 4.0
- Design possible according to ATEX

FULLY AUTOMATIC BACKFLUSH FILTER TYPE RSF 32

Technical data	from	to
Flow rate	100 m ³ /h	430 m ³ /h
Filter surface	1.6 m ²	6.6 m ²
Filter rating	5 µm	100 µm
Operating pressure	3.5 bar	10.0 bar
Pressure difference	≥0.1 bar (clean)	
Automatic backflush with	0.5 bar	1.0 bar
Operating temperature	5°C	90°C

Filters whose operating conditions deviate from said parameters are available on request.

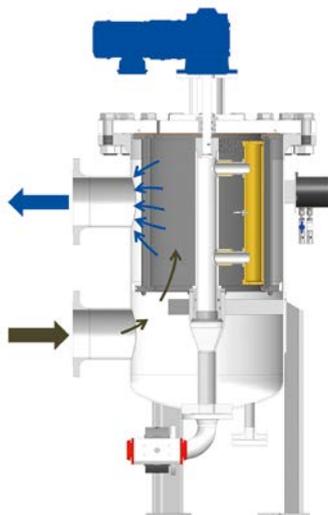


FAUDI fully automatic backflush filter type RSF 32 with integrated controller

FAUDI fully automatic backflush filter type RSF 32 with integrated controller and rotating backflush arm. FAUDI's automatic filter provides excellent filtration up to the finest filtration degree of 5 µm.

Filter technology that works

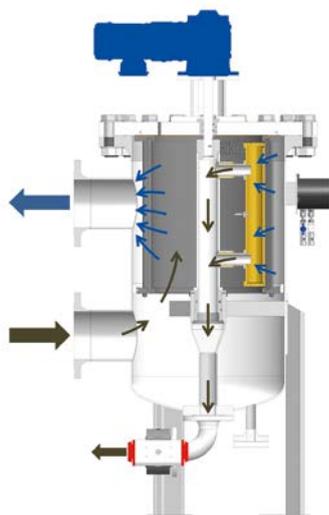
Filtration and backflush process.



FUNCTIONAL DESCRIPTION:

Filtration:

The medium to be filtered enters the filter housing via the inlet flange, flows through the filter element from the inside to the outside and is filtered in the process. The contaminants and foreign particles in the medium are contained on the inside of the metallic filter element. The cleaned medium leaves the filter housing via the outlet flange. The downstream process is now provided with cleaned medium.



Backflush procedure:

The backflush procedure can optionally take place when a predefined differential pressure threshold value or an adjustable time interval is reached. The backflush takes place using reverse flow; that is, the filter element is cleaned with filtered medium from the outside to the inside. This backflush procedure is carried out by means of the backflush arm and cleans the filter element of residue. The flushing procedure finishes after several seconds and the backflush valve is automatically closed. The filtered medium is constantly supplied during the backflushing procedure and thus continuous filtration is ensured.



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WATZ GROUP

WATZ HYDRAULIK / WATZ SERVICE
 FAUDI FILTRATIONSTECHNOLOGIE
 HYDROSERVICE ZYLINDERBAU