

# Filter Solutions for Filter Presses

Process Filtration



**S E F A R**  
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## Sefar filter solutions for process filtration

For over 180 years, Sefar has been a leading problem solver, providing technical woven solutions worldwide. In today's demanding solid-liquid and solid-gas separation processes, it is crucial to have maximum production efficiency along with trouble-free operation to decrease the customer's total cost of ownership. We offer the broadest selection of filtration and separation products, backed by an experienced staff of application experts.

## Sefar filter press technology

Sefar provides filter solutions for most types of filter press used in the process industries. Our fabrics have been specially developed to meet the needs of our customers. Sefar and original equipment manufacturers have been collaborating over the years to optimize each customer's process. With Sefar, you get integrated solutions from one source. Take a look at the high quality solutions and technologies we offer for your filter press application.



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## Many application areas – one solution provider

To cope with the demanding environment of the various process industries, Sefar has developed a dedicated range of filter media and fabrication technologies geared toward maximizing filter press equipment performance. Subsidiaries around the world provide local technical service for the broad range of filter press solutions we supply to various industries.

We at Sefar are the only manufacturer that continues to produce from our own yarn to the finished product thus assuring quality from start to finish.



Yarn producer



Weaving



Finishing



Fabrication – Coating



Fabrication – Laser cutting



Fabrication – Sewing

# Solid-Liquid Separation Industries and Applications



Many application areas  
– one solution provider

To cope with the demanding environment of the various process industries, Sefar has developed a dedicated range of filter media in order to maximize the customer's value.



## Chemical

Sefar products perform at high levels, even under aggressive conditions. Count on Sefar to meet the demands of your application process – whether it's extreme pH, high temperatures, or specific chemical environments like solvents, oxidants, acids or alkalis.

### Applications

Pigments, colors, silicates, zeolites, polymers



## Mineral

Sefar meets the high quality and productivity demands in challenging applications. Our products offer reliability in filtration by using strong woven fabrics, adapting the correct pore size to the application and providing resistance to abrasive slurries or a heavy cake.

### Applications

Red mud alumina, iron ore, tailings (zinc, nickel, gold), phosphoric acid, chalk, gravel, cement, titanium dioxide, kaolin & clay, coal



**Environmental**

Sefar has a solution for each application used in sludge dewatering. No matter what the characteristics of your treatment, you can trust Sefar to meet the challenges of your sludge dewatering preparation.

**Applications**

Urban and industrial waste water treatment, galvanic treatment, automotive cataphoresis, metallic residue



**Life Science**

Sefar production methods and facilities are integrated to include verifiable traceability for life sciences industries. Only Sefar controls the yarn production, weaving and filtration through to the final filter. The Sefar PHARMA GMP program satisfies the regulatory requirements of pharmaceutical applications.

**Applications**

Blood separation, pharmaceuticals



**Food**

In food applications, conformity to hygienic and safety guidelines is imperative. For this reason, a reliable supplier like Sefar – able to provide you with FDA or EU compliant fabrics for filter products – is crucial to your success. You can also count on Sefar’s consistent supply of products during seasonal production peaks.

**Applications**

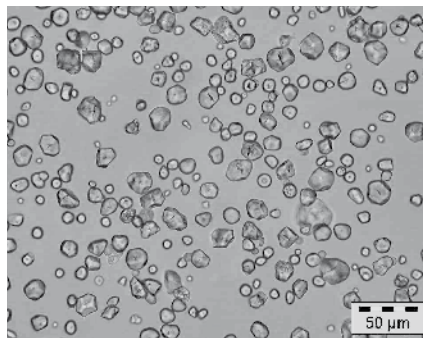
Cane and beet sugar, edible oil, wine, beer, gluten, alginate, enzymes, citric acid

# Test Equipment Technical Support

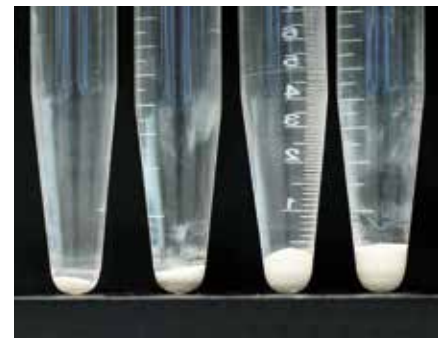


## Laboratory analysis

Sefar has a fully-equipped laboratory with standard and custom-designed equipment to replicate the customer's filtration process.



Particle size analysis



Filtration tests



## Services

- Suspension analysis
- Particle size distribution
- Customer-specific filter tests
- Filter media recommendation
- Process optimization

# Sefar Solutions

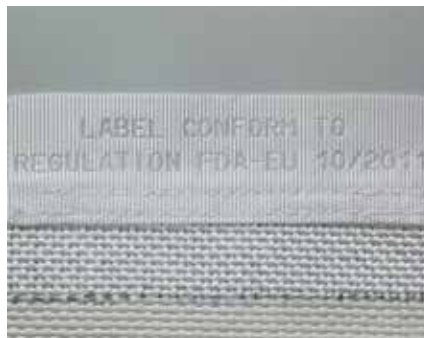
## Product Performance



### Filter cloth performance

Sefar filter cloths are made from carefully selected polymers, yarns, weaving and cloth design to ensure:

- Appropriate chemical resistance
- Optimal mechanical stability
- Perfect fit
- Food compliance



Food compliance



Chemical resistance

### Filter performance

Sefar has developed fabrics with specific weaves and a high level of calendaring to ensure:

- Excellent cake release
- Optimal cleaning capacity
- Clean filtrate
- Dry filter cake



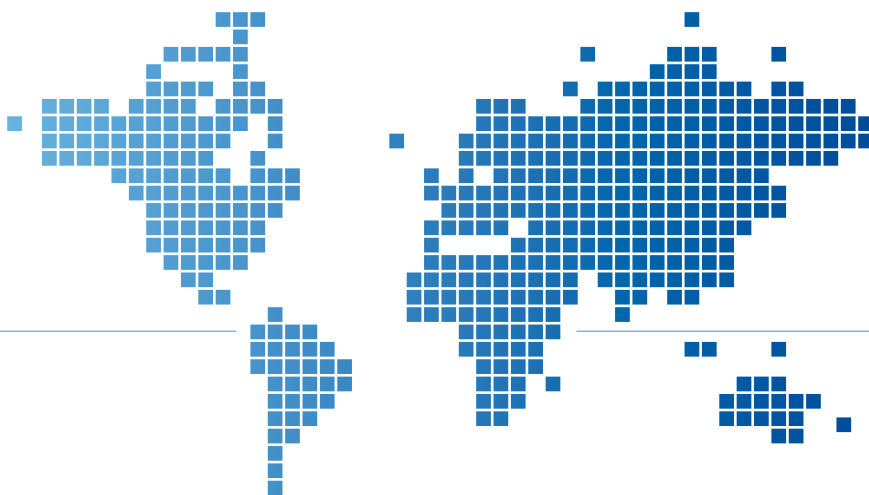
Clean filtrate



Very dry filter cake



Excellent cake release



## Sefar worldwide

Sefar is the leading manufacturer of precision fabrics from monofilaments for the screen printing and filtration market. Sefar products are used in a wide variety of industries, reaching from electronics, graphics, medical, automotive, food and pharmaceutical applications to aerospace, mining & refining and architecture. With its profound understanding of the applications, Sefar helps its customers to achieve optimum results in their industrial processes. Subsidiaries and fabrications centers around the world provide local technical service for the broad range of solutions offered by Sefar.

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