

# Filter Press Cloths

Sefar has extensive experience in many applications and offers ready-made filter elements adapted to fit customer's requirements, such as cake moisture, particle retention, etc.

## Product Features

### Sefar Filter Solutions for Filter Press Equipment

Sefar is a leader in the design, production and sales of chamber and membrane cloths for filter press machines, also called horizontal, mix pack or vertical plate pressure filters.

With 26 subsidiaries all over the world, Sefar has always focused on providing personal technical support and assistance to each customer and addressing the particular needs of their application.

## Experience

Thanks to its strong experience in many applications, Sefar has developed a wide range of products to ensure:

- Chemical, mechanical and abrasive resistance
- Dimensional stability
- Food compliance: FDA, EU 10/2011, EC 1935/2004, EC 2023/2006
- Resistance of the media against clogging, blinding or scaling, coupled with a high regeneration capacity\*  
(\*capacity of the woven fabric to recover the original permeability after a washing)
- High strength resistance against tearing



## DOWNLOADS

Brochure: Process Filtration (PDF 5300 kb)

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## Knowledge

For years, Sefar has gained knowledge and skills through many studies done internally in our specialized and well-equipped laboratory to reproduce filtration and the customer's process. This approach has laid the foundation for the creation of media for filter press cloths with consideration for customer's needs.

- Cake moisture (cake dryness, moisture content)
- Cake thickness
- Filtration efficiency (filtrate clarity, solids in filtrate, particle retention, solids in suspension)
- Cake release (cake discharge)
- Cake washing efficiency

## Solutions

Sefar proposes solutions to cope with all customer plate design, with ready-made and adapted cloths (single, double or overhang), which match perfectly to the plates and with options such as:

- Metallic or US Eyelets, US eyelets are food grade and resistant to chemical degradation and corrosion.
- Different types of barrels and rubbernecks, from the classic multifilament fabric to different waterproof options, able to resist all chemical or abrasion environments.
- Edge sealing done through coating or reinforcement to avoid leakage, with a range of food grade certified coatings.
- Support or backing cloth to increase drainage and lifetime of the filter cloth.

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## Fabrication solutions

Sefar's filter cloths are adapted to the different needs of the customers, like plate dimension, cake weight, particle retention or productivity. As a result, Sefar has developed a wide range of standard and specific designs, making up options for fixations, barrel and rubber neck, or sealing.

### Metallic eyelets



### Velcro fastener



### Barrel neck



■ Easy installation available with several options

### Edge sealing

### Edge reinforcement

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■ Edge coating for  
drop-tight operation



■ To avoid leaking in  
certain cases

## Applications



### Food

Sugar, Cacao, Carrageenan (Algae), Bean protein, Beer, Juice, Enzyme, Pectin, Starch and gluten, Wine, Rice bran oil, Palm oil, Colza oil

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### Environment

Potable Water, Urban Waste Water Treatment, Industrial Waste Water Treatment, Galvanic Treatment, Automotive Cataphoresis, Metallic residue



### Chemical

Polymers, Resin and Terpen derivatives, Naphtalenesulfonate, Precipitated Silicate, Colours, Pigments, Fertilizers



### Mineral

Alumina red mud management, cement, chalk, coal, concentrates & tailings (copper, gold, iron, silver, zinc, etc) gravel, gypsum, kaolin & clay, lithium, rare earths (cobalt, bismuth, uranium, etc.) titanium dioxide and many more

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#### **Life science**

Sefar production methods and facilities are integrated to include verifiable traceability for life

#### **Sefar filter solutions for OEM**

Our products meet the specific needs of these filtration applications and are successfully running all over the world on all known filter press brands and OEMs, such as:

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AES      Andritz      Aquachem      Ascension

Avery      Aqseptence  
(Bilfinger,  
Diemme)      Boulton      Choquenot

Dafim      Dazhang      Della Toffala      Diefenbach

Dinshaw      Durco      Edward & Jones (E&J)      Eimco

EMO      Faure  
Equipment      Filmac      Filox

FLSmith      Fraccaroli e  
Balzan      Galigani      Häcker

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Latham      Lisse      Matec      McLanahan

Metchem      Metso:  
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MS      MSE      Netzsch      Nordon

Pac Press      Paetzold      Pall      Parkson

Passavant      PMI      Putsch      Ritterhaus & Blecher

Schenk      Schule      Seitz Orion      Spadoni

Tecnicas  
Hidraulicas      Tecnoidea      Tecofil      Tefsa

Unimak      US Filter      Velo      Vicentini

Von Roll      Welders  
(WFT)      Zhejiang Goldenbird      Zhongda Bright

## Filter media technology

A complete range of fabrics, including monofilament (SEFAR TETEX MONO),

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multifilament (SEFAR TETEX MULTI), mixed mono-multifilament, mixed multifilament-staple fibres, and other innovative products, are especially dedicated to filter press machines. Our range is able to cover all chemical requirements, with polymers such as Polypropylene (PP), Polyamide (PA, Nylon, Rilsan, PA6-6, PA 6, PA 6-10, PA11, PA12), Polyester (PET) or PBT, and particle retention with optimum flow rate, moisture content, and cake washing properties.

For this line, all the media are:

- calendered to provide the smooth surface needed for a good cake release
- properly thermo-fixed to ensure the dimensional stability

During this stage, the air permeability is monitored continuously to warrant uniformity and reliability and the pore size distribution of our line.

#### Monofilament Fabric



- For good filtration performance and a better cake discharge

#### Multifilament Fabric



- For maximum particle retention and good mechanical resistance

**CONTACT**

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