

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)

DOWNLOADS

Brochure: Process Filtration (PDF 5300 kb)

Sefar SA de CV

Carretera Tepotzotlán la Aurora Km .1
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- High strength resistance against tearing

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

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- range of food grade certified coatings.
- Support or backing cloth to increase drainage and lifetime of the filter cloth.

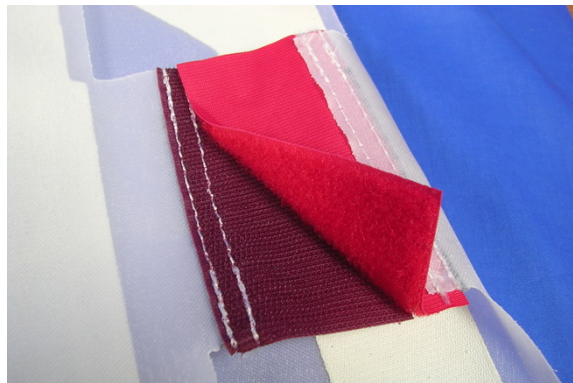
Fabrication solutions

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

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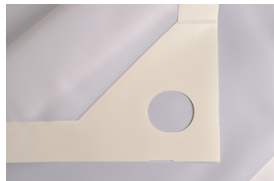
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Edge sealing



- Edge coating for drop-tight operation

Edge reinforcement



- 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 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:

Active pharmaceutical ingredients,
agricultural, nutraceuticals, intermediates

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
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Avery	Aqseptence (Bilfinger, Diemme)	Boulton	Choquenot
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Dafim	Dazhang	Della Toffala	Diefenbach
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Dinshaw	Durco	Edward & Jones (E&J)	Eimco
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EMO	Faure Equipment	Filmac	Filox
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FLSmidth	Fraccaroli e Balzan	Galigani	Häcker
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Haijiang	Hakü	Hangzhou Xingyuan	Hoesch
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Ishigaki	JingJin	JKF Kübler	Johnson Progress
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Körte	Landaluce	Larox	Lasta
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Latham	Lisse	Matec	McLanahan
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Metchem	Metso: Outotec	Meura	Micronics
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MS	MSE	Netzsch	Nordon
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Pac Press	Paetzold	Pall	Parkson
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Passavant	PMI	Putsch	Ritterhaus & Blecher
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Schenk	Schule	Seitz Orion	Spadoni
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Tecnicas Hidraulicas	Tecnoidea	Tecofil	Tefsa
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Unimak	US Filter	Velo	Vicentini
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Von Roll	Welders (WFT)	Zhejiang Goldenbird	Zhongda Bright
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Filter media technology

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

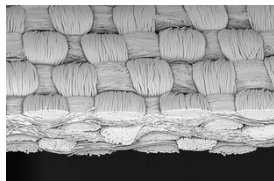
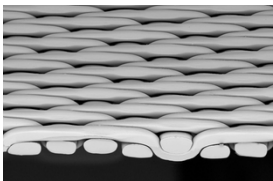
For this line, all the media are:

- 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

Multifilament Fabric



- For good filtration performance and a better cake discharge

- For maximum particle retention and good mechanical resistance



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Locations



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