

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



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Brochure: Process Filtration (PDF 5300 kb)

Sefar Inc.

Los Angeles, CA – USA

Phone 800 995 0531
Fax +1 909 544 5901

sales.us@sefar.com

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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



Environment

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

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Chemical

Polymers, Resin and Terpen derivatives,
Naphtalenesulfonate, Precipited 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



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,
agrichemicals, 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:

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

Haijiang Hakū Hangzhou Xingyuan Hoesch

Ishigaki JingJin JKF Kübler Johnson Progress

Körte Landaluce Larox Lasta

Latham Lisse Matec McLanahan

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Metchem Metso:
Outotec Meura Micronics

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), multifilament (SEFAR TETEX MULTI), mixed mono-multifilament, mixed multifilament-staple fibres, and other innovative products, are especially dedicated to filter press

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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

- Local contact

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Los Angeles, CA – USA

Phone 800 995 0531
Fax +1 909 544 5901

sales.us@sefar.com

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Please call us for further information:

Phone CH: +41 71 898 5700

Locations



Sefar BDH Inc.

200 rue Clement Gilbert
Saguenay QC, G7H 5B1 – Canada
Phone: +1 418 690 0888
Fax: +1 418 690 9499

■ [E-Mail](#)



Sefar Inc.

Kansas City, MO – USA
Phone: 800 995 0531
Fax: +1 816 452 2183

■ [E-Mail](#)



Sefar Inc.

Los Angeles, CA – USA
Phone: 800 995 0531
Fax: +1 909 544 5901

■ [E-Mail](#)

Sefar Inc.

Los Angeles, CA – USA

Phone 800 995 0531
Fax +1 909 544 5901

sales.us@sefar.com

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Sefar Inc.

Gray, GA – USA
 Phone: 800 995 0531
 Fax: +1 478 986 6953

■ **E-Mail**



Sefar Inc.

111 Calumet Street
 Buffalo, NY 14043 – USA
 Phone: 800 995 0531
 Fax:

■ **E-Mail**

Sefar Inc.

Los Angeles, CA – USA

Phone 800 995 0531
 Fax +1 909 544 5901

sales.us@sefar.com

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