

# 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)



#### 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 readymade 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.



# **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







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



# 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

#### **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 Boulton Choquenet (Bilfinger, Diemme) Dafim Dazhang Della Toffala Diefenbach Dinshaw Durco Edward & Jones (E&J) Eimco EMO Faure Filmac Filox Equipment FLSmidth Fraccaroli e Galigani Häcker Balzan Haijang Hangzhou Xingyuan Hakü Hoesch JKF Kübler JingJin Ishigaki Johnson Progress Körte Landaluce Larox Lasta

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Latham Lisse Matec McLanahan Metchem Metso: Meura Micronics Outotec MS MSE Netzsch Nordon Pac Press Paetzold Pall Parkson Passavant PMI Putsch Ritterhaus & Blecher Schenk Schule Seitz Orion Spadoni Tecnicas Tecnoidea Tecofil Tefsa Hidraulicas Unimak US Filter Velo Vicentini Welders Zhejiang Goldenbird Zhongda Bright Von Roll (WFT)

# 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 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.

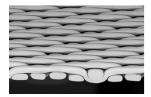
For this line, all the media are:

- 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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