Overview

We Focus on your Application

Sefar is a company with a long tradition of over 185 years in the production of fabrics, many used for sugar production. This vast base of accumulated experience and process know-how guarantees professional and innovative solutions.

Sefar’s expert know-how can help to improve your specific process by helping you select the right filtration media for your application. Our vast product offering includes solutions for multiple sifting and filtration steps in the sugar process flow for the following equipment types:

- Pressure Leaf Filters
- Filter Press Cloths
- Rotary Vacuum Filter Cloths
- Candle Filters
- Rectangular Screen Panels
- Round Screens for Vibratory Separators
- ...And More

Sefar offers more. In today’s demanding sugar industry, it is critical to have long lasting, consistent screen and filter performance. Synthetic fabrics from Sefar are especially renowned for their precise pore/mesh sizes and their stringently controlled production processes. These factors guarantee that the fabrics can be reproduced time after time, having consistent filtration behavior plus mechanical stability. Since the production of the fabrics and the fabrication of the final filtration products are core competencies of Sefar, we are able to produce not only superior products, but also real solutions to improve your process.

We weave filter cloths and screens used in post carbonatation filtering, desweetening, and sifting. Our ability to design and weave the fabric, as well as fabricate the filter cloth specifically for your needs allows us to make products that last your entire campaign and allows you to extract the most sugar from your beets.
### Purification and Filtration

#### 2nd Carb / Thin Juice

Post carbonation filtration processes balance high flow rates with fine particle capture. Filtration efficiencies are obtained when pore sizes are consistent amongst all the filter elements, leading to equal cake formation and thickness with every filtration cycle. Sefar precision fabrics, woven to exacting tolerances ensure even cake formation and filtration performance. Our expertly designed and manufactured covers fit tightly and provide consistent results throughout the entire campaign.

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<tr>
<th>We offer</th>
<th>Main Features</th>
<th>Recommended Fabrics</th>
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<tbody>
<tr>
<td>- Monofilament and multifilament closed mesh</td>
<td>- Woven to exacting tolerances ensuring consistent filtration</td>
<td>05-125-390</td>
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<tr>
<td>- Polyester and polypropylene options</td>
<td>- Expertly designed for a tight fit to improve performance and prolong lifetime</td>
<td>05-1011-K 045</td>
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<tr>
<td>- Custom fabrication solutions:</td>
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<tr>
<td>- Round and rectangular leaf designs</td>
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<tr>
<td>- snap covers</td>
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<td>- unibags</td>
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### Desweetening

Sugar desweetening processes serve the important role of removing residual sucrose from the filter cakes of other filter steps. Sefar monofilament solutions ensure effective particle capture, excellent cake release, and durability.

Sefar engineers implement our monofilament fabrics into the design of filter press cloths and rotary drum filter belts to match customer specifications, ensuring a proper fit and construction for the unique needs of the application.

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<td>- Monofilament closed mesh</td>
<td>- Woven to exacting tolerances ensuring consistent filtration, excellent cake release, and longevity</td>
<td>05-1020-K 046 with 05-660 WBC</td>
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<td>- Polyester and polypropylene options</td>
<td>- Durability and excellent filtration</td>
<td>05-1001-K 043</td>
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<td>- Custom fabrication solutions:</td>
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<td>- FUSE coating</td>
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<td>- Rubber barrel neck options</td>
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<td>- Corner or center feed</td>
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Standard liquor filters catch the residual impurities left in the juice following evaporation. Filter covers are designed to provide effective particle capture while maintaining high flow rates.

Sefar manufactures covers to fit all available leaf constructions including round, oval, and rectangular. Our custom fabrication capabilities include snap covers, zipper closures, and unibag styles. These fabrication types are aimed to minimize installation time while maximizing performance.

**We offer**
- Monofilament and multifilament closed mesh
- Polyester and polypropylene options
- Custom fabrication solutions:
  - Round and rectangular designs
  - snap covers
  - unibag design
  - zipper closures

**Main Features**
- Woven to exacting tolerances ensuring consistent filtration, excellent cake release, and longevity
- Expertly designed for a tight fit to improve performance and prolong lifetime

**Recommended Fabrics**
- 05-1010-K 085
- 05-1001-SK 062
Crystallization and Separation

After crystallization the resulting sugar crystals must be separated by the desired particle size. Sefar screens, woven to very tight tolerances, ensure efficient sifting operation by removing oversized particles that may otherwise proceed through the flow. Our wide array of sifting materials includes nylon, polyester, and stainless steel with opening sizes ranging from 50 to 5,000 microns. Sefar custom manufactures screens to fit all commonly used screener brands and sizes.

Sefar rectangular screen panels incorporate encapsulated edge treatments and rib supports for proper fit, extended lifetime, and efficient sifting performance. Our new FDA compliant urethane edging provides added support, improved adhesion, and allows the screens to be washed as needed.

Sefar manufactures new and replacement round screens for all major brands of vibratory screeners in our dedicated manufacturing facility. Sefar round screens are available in nylon, polyester, and stainless steel materials with mesh opening sizes ranging from 5 to 5000 microns. We offer FDA compliant adhesives and sealing strips to meet the stringent needs of the food industry. Our unique ring exchange program allows users the opportunity to receive credit for used rings, which we rescreen. This program reduces waste while minimizing cost along the supply chain.

Flexible connectors achieve the important role of ensuring consistent product flow to and from vibrating/gyrating equipment. Sefar carries a complete line of fabrics to meet application requirements. The product line includes FDA compliant woven and molded components available in a wide array of polymers and fabrication options including rings, elastic bands, drawstrings and cords.

Complimentary to our sifting and scalping products, Sefar carries a complete line of sundry items. We stock FDA compliant ball cleaners in a wide range of diameters, nylon clusters for vibratory screeners, flour and hand brushes, and rubber mallets. For screen repair, we also stock staplers, staples, pliers, and screen tensioning hooks.
Sefar offers our customers process optimization with our in-house lab testing (Microscopy, Porometry, Vacuum filtration, Pressure filtration, Particle analysis, Polymer identification, Fabric characterization, Air permeability, Electrical conductivity).

In Field Support
Sefar has the resources to help our customers improve their processes with our on-site field support from our industry experts.

Sefar Value
Your next order could already be sitting in your warehouse. Sefar offers supply agreements that can include, Stocking programs, Consignment, optimizing transportation costs, minimizing rush charges and guaranteeing availability.