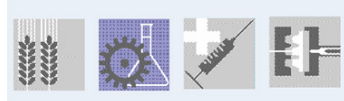


Sefar Customer Information



SEFAR can provide the best solutions for filtration needs.

Our Liquid Filter Bags come in a variety of materials and a wide assortment of collar and ring types that ensure compatibility with most bag vessels on the market.

The constituent materials have been chosen for their purity, ensuring consistent high quality and performance.

Wide range of industries standard size bags come with steel rings and patented Polyloc tops for hermetic seal and ease of operation.

Bags are produced in micron-rated felts and meshes from 1 to 1000 microns.



Liquid Filter Bag



Liquid Filter Bags - our optimal solution for applications such as:

1. Food & Beverage
 - Beer Processing to remove yeast and particles.
 - Dairy Processing for clarification and protection of final filter.
2. Chemical Processing
 - Fine Chemical Filtration for coarse filtration purposes.
3. Advanced Coatings & Photoemulsions
 - Printed Circuit Board Photoprint Line process in a developer.

4. Health Care Processing
 - Pharmaceutical Water Filtration to remove particles and visual clarity.
5. Electronics
 - Removal of Carbon Fines in Ultrapure Water Systems (Ozonated) process.

Liquid Filter Bags are also found in industry applications such as Oil & Gas, Petroleum, Paints, Pulp & Paper and Palm Oil.



Liquid Filter Bags can be designed and fabricated to an infinite range of shapes, sizes and configurations to meet customers' unique requirements, even improve their performance and solutions for application.

SEFAR can deliver exactly what customer needs.

MESH FILTER BAG

All mesh bags are constructed using synthetic woven fabric.

Our monofilament mesh filter bags are manufactured from a single filament mesh that provides excellent strength with no fiber migration.



- Monofilament mesh bags provide extra strength and abrasion resistance
- Available in standard and custom sizes to provide perfect fit for standard and unique applications
- Offered in micron ratings 1-1000 with plastic and metal rings for versatility
- Compact for simple disposal to reduce costs
- Prevents contamination during change-out for less water waste

Available Materials:

- Nylon Monofilament
- Polyester Monofilament
- Polypropylene Monofilament

Available Sizes for NMO Mircon 25,50,80,100,150,200,250, 300,400,600,800,1000			
Bag Size	Dimension	Ring Material	
PS1	7" x 16"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn
PS2	7" X 32"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn
PS3	4" X 8.25"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn
PS4	4" X 14"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn

FELT FILTER BAG

On the other hand, operating on the principal of depth filtration, felt filter bags are effective at removing both solid and gelatinous particles.

Our welded seams eliminate the possibility of bypass through needle holes.



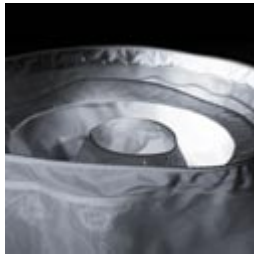
- Broad range of proprietary media provides excellent filtration performance and greater consistency
- Standard and custom sizes for versatility
- Offered with plastic and metal rings for wide temperature compatibility
- Welded or sewn construction
- Easy change out reduce down time
- Compacts for easy disposal
- Contaminants are trapped inside bag for clearer results
- High dirt holding capacity
- Capability to remove gelatinous particles

Available Materials:

- Polyester
- Polypropylene

Available Sizes for Felt Micron (Polyester BPEEX & Polypropylene BPOEX) 1,5,10,25,50,80,100,150,200			
Bag Size	Dimension	Ring Material	
PS1	7" x 16"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn
PS2	7" X 32"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn
PS3	4" X 8.25"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn
PS4	4" X 14"	Plastic Ring PET/PP	Welded
		Steel Ring CS/SS	Sewn

Fabrication centrifuge bag



Fabrication designs for centrifuge filter bags are available for all makes and models. Our high-quality manufacturing guarantees easy installation and a perfect fit.



- Specially adapted strong **seam solutions** avoiding product loss through stitching holes and avoid product contamination from loose fibers
- Our filter bags are **customized** to your specific needs. We offer designs for middle cones, flanging, lifting or unloading devices
- State-of-the-art **cutting technology** achieves precise and constant dimensions



All designs and measurements can be customized to your individual requirements and we can ensure the 100% reproducibility of any article. To guarantee the high quality of our products only state-of-the-art technology is applied in production and our product engineers are continuously working on product improvements.



Based on customer requests, the centrifuge bags will be checked on specially made models. Suitable fabrics for centrifuge bags:

- [SEFAR TETEX MONO](#)
- [SEFAR TETEX DLW](#)
- [SEFAR TETEX MULTI](#)

Seams for centrifuges

The choice of the seam is heavily dependent on the chosen fabric and the special demands of the application. Therefore Sefar uses different seam joining technologies to offer you a specially-designed solution having a long lifetime. The following seams are available:



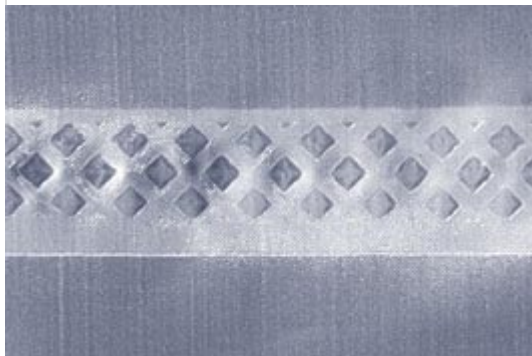
Hot welded seam

Technology: welded by temperature
Fabrics: 500 μm and larger
Seam width: 15 / 25 mm (flat)
Advantage: good pressure resistance



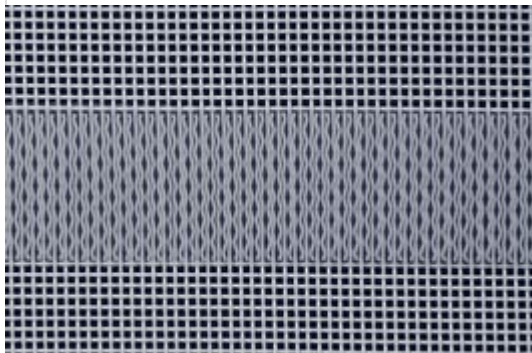
Sewn seam

Centrifuge seam: especially developed seams avoiding cut edges on the side having product contact. This guarantees optimal process safety.



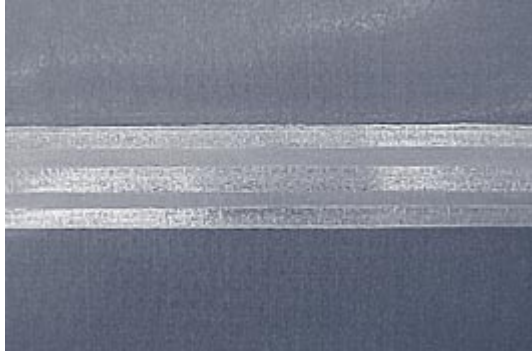
Ultrasonic (US) seam

Technology: ultrasonic welding
Fabrics: 1 - 500 μm mesh opening
Especially developed for fine fabrics
Advantage: flexible, leak- and tear-proof



High frequency (HF) seam

Technology: high-frequency welding
Fabrics: > 400 μm mesh opening
Seam width: 20 -30 mm (overlapped)
Advantage: FDA compatible, flexible, no permeability



Armored (AR) seam

Technology: welded seam with reinforcing threads

Fabrics: 11 - 400 μm mesh opening

Seam width: 5 / 12 / 16 mm (overlapped)

Advantage: extremely flexible, nearly 100% tensile strength of the

Cutting

Fabricated filters are often composed of complex shapes and need to be precisely cut.

Digital laser cutting enables precise dimensions for all shapes and forms. All designs and measurements can be customized to your individual requirements and we can ensure the 100% reproducibility of any article. To guarantee the high quality of our products only state-of-the-art technology is applied in production and our product engineers are continuously working on product improvements.

Tour through the Sefar fabrication

With both our standard and tailor-made products, Sefar's customers benefit from the experience and background of our application specialists and the availability of an extensive selection of fabrication possibilities for ready-made components.

The following systems are available:



CAD

Precise drawings and a detailed description of the product are the backbone of the Sefar fabrication department.



Laser cutting

The laser cutters at the Sefar fabrication centers are the optimal tools to translate the drawings into products cut precisely according to the specifications.



Edge coating

Continuous coating creates uniform and superior edge protection at reasonable costs. Specific polyurethane and silicone formulations are available.



Sealing

A highly automated screen printing/drying device allows the application of latex seals on to the filter cloth. This gives customers in e.g. the food industry the desired process safety and product reliability.



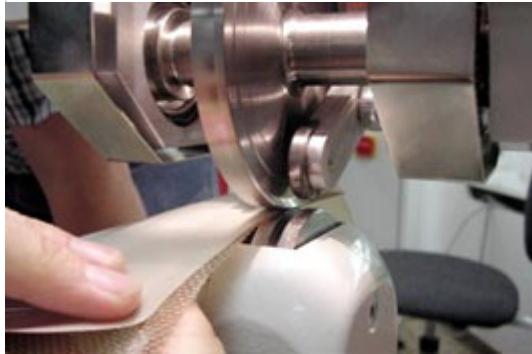
Fully automatic sewing process

Textile reverting (better known as sewing) – an old and well-proven technique in a highly sophisticated form for ready made-up products.



Manual sewing

The sewing of big and heavy products requires specific resources, manual capabilities and special know-how.



Continuous ultrasonic welding

By using this technique, the fabrics will be joined flexibly and without help of sewing thread and leaving needle holes.



Closures

Belt closures made of stainless steel or Hasteloy are applied on Sefar filter belts to allow easy installation at the customer site.