

# Belts for Coolant Filtration



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Sefar has pioneered the coolant filtration and is helping leading companies to save money, reduce their environmental impact and maintain the highest possible product and production standards.

The Sefar product range is dedicated to filter used cooling fluids in the metalworking industry, steel mills and automotive sector. The main advantage of Sefar filter fabrics, compared to traditional media, is the possibility of keeping filter efficiency and the average flow rate at extremely high levels.

By using Sefar filter belts, perfectly purified coolants provide a very good surface finish and a longer tool lifetime.

### Sefar offer

- Customized, ready to use belts for all types of coolant filters
- Special developed closures to secure a fast belt installation
- Innovative belt features to ensure safe and efficient operation

### Product features

- High permeability
- Maximized number of pores
- Unique particle retention
- Smooth fabric surface
- Superior tracking stability

### Customer benefits

- Improved filtration capacity
- Allows higher flow rates
- Higher throughput possible
- Constant high filtration rates
- Perfectly purified coolant
- Longer tool lifetime
- Provides good cake release
- Extended service life reduces cost

### Equipment in use for Sefar coolant belts



Vacuum belt filters



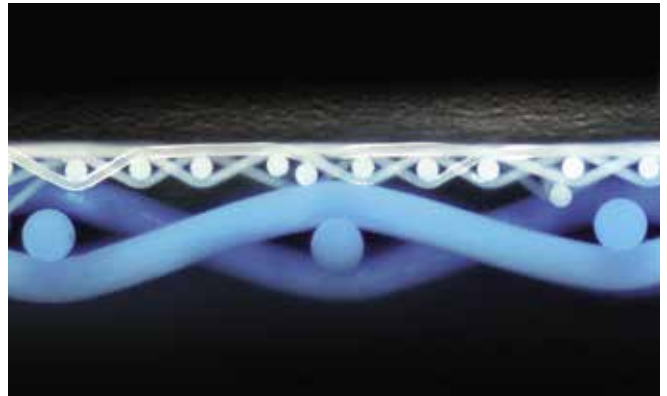
Hydrostatic belt filters



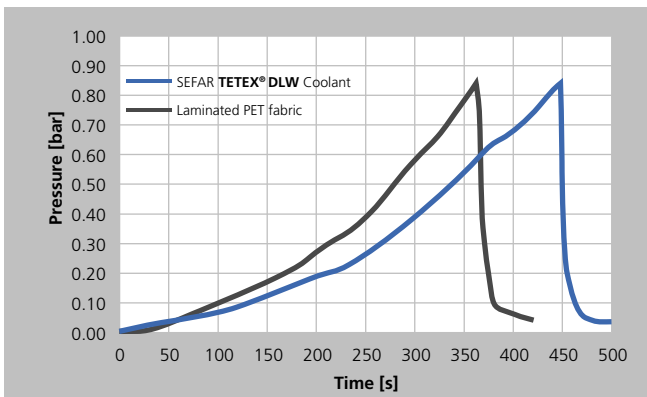
Pressure belt filters

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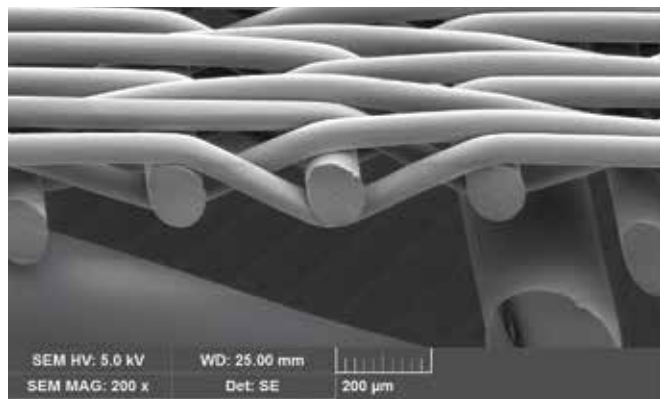
The new designed SEFAR TETEX® DLW Coolant has a higher filtration capacity while at the same time providing an improved particle retention. We offer solutions to the unique challenge of your process and to match every task of coolant filtration in small and large centralized systems. Furthermore optional belt edge sealing, transport bars, magnetic stripes and special user friendly belt closures are completing our offer.



Cross section of SEFAR TETEX® DLW Coolant fabric



Pressure increase over time, SEFAR TETEX® DLW Coolant compared with laminated square mesh fabric (80 µm pore size)



Special engineered pore design

## Sefar product range – SEFAR TETEX® DLW Coolant

| Item description | Pore size [µm] | Air permeability @ 200 Pa [l/(m²·s)] | Recommended Application                         |
|------------------|----------------|--------------------------------------|---|
| 07-8450-C 040    | 40             | 1400                                 | Emulsion and low viscosity oils, fine particles |
| 07-8450-S 050    | 50             | 2100                                 | Emulsion and low viscosity oils, fine particles |
| 07-8450-S 065    | 65             | 2700                                 | Emulsion and medium to low viscosity oils       |
| 07-8450-S 080    | 80             | 3300                                 | Medium to high viscosity oils                   |
| 07-8450-S 100    | 100            | 3800                                 | High viscosity oil and large chips              |

Our technical specialists are pleased to help to select the optimal belt solution. **Definition:** C = Calendered, S = Stretched

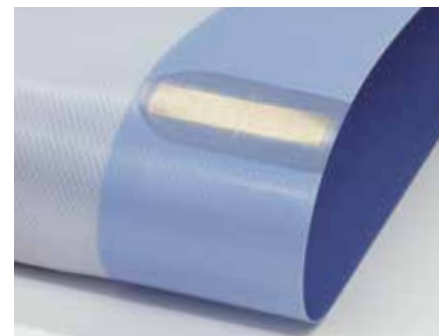
## Ready to use fabricated Sefar coolant belts



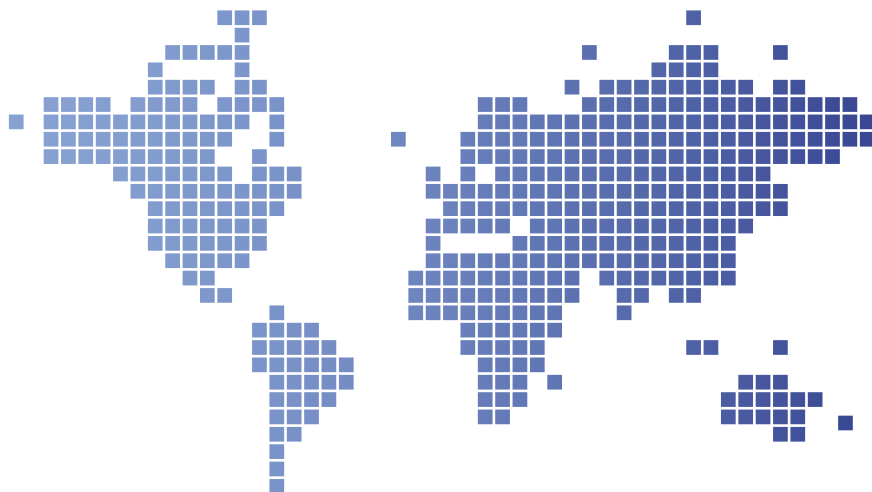
**Belt closure** customized, particle tight, quick and easy installation



**Transport bars** for large vacuumfilter



**Coated edge** to guarantee perfect sealing  
**Metal indicator** for pressure belt filters



## Sefar Worldwide

Sefar is the leading manufacturer of monofilament precision fabrics for filtration and screen printing applications. Sefar products are used in a wide variety of industries, reaching from electronics, medical, automotive, aerospace, food, water, pharmaceutical and graphics to chemicals, fertilizers and minerals. With its profound understanding of the applications, Sefar helps its customers to achieve optimum results in their industrial processes. With subsidiaries and representatives around the world, Sefar offers its customers the comprehensive, global support they need.

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Please consult the current local product data sheet prior to any use.

