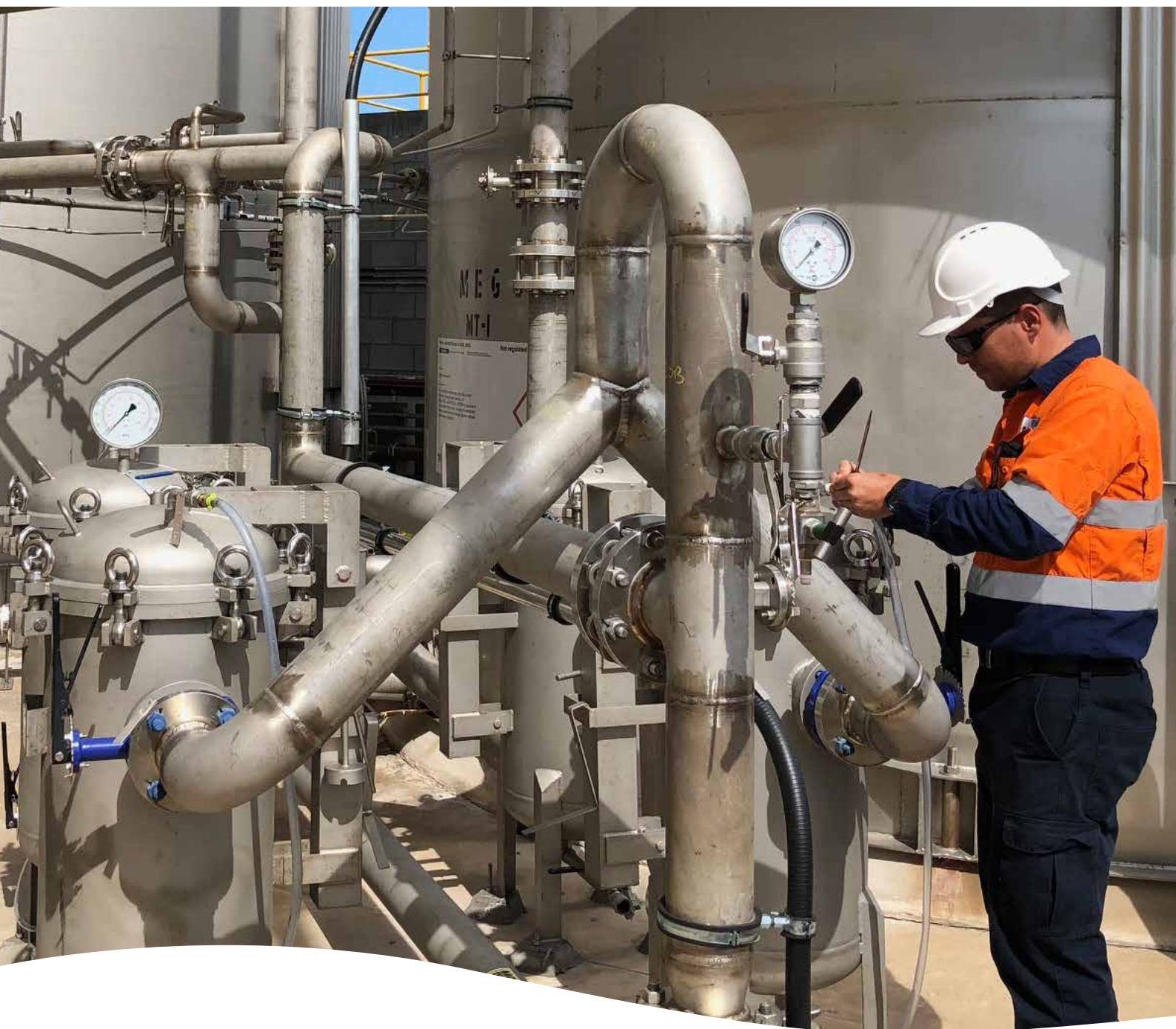


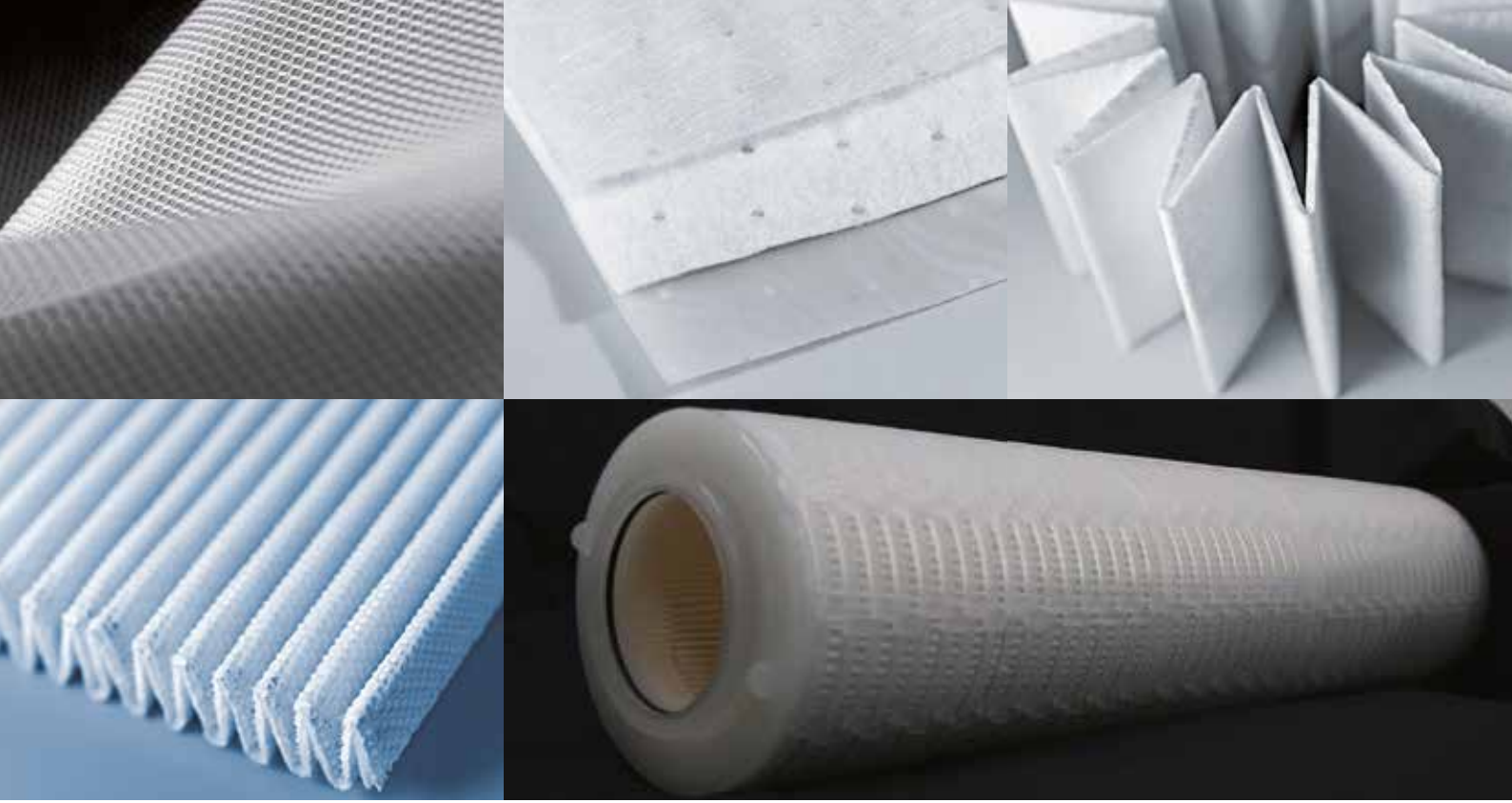


CHF – High Flow Filter Element

The best value Solutions for Filtration and Separation Applications



S E F A R
■ ■ ■ ■



Sefar transforms Needs into Solutions

Sefar, for 190 years, has been the global leader in manufacturing customer-tailored solutions in filtration and separation, for industrial applications.

Through our filtration solutions and profound technical knowledge, we meet the most demanding customer's needs for the purification and filtration of liquid, understanding the customer's requirements, and choosing the best solution in order to have the highest level of quality of the final product. We also help our customer to optimize their production processes, through a Total Cost of Ownership Approach.

We are dedicated in our offering of designed industrial filtration and separation solutions that minimize downtime, in order to maximize efficiency and effectiveness of our customer fluid processes management. We support our customer through a strong technical knowledge based on innovation, quality and tailored solutions, everywhere leveraging on our core integrity values.

Sefar sales offices and manufacturing plants, are present in 26 countries with over 2800 employees.

Leveraging on our global experience, we design and provide tailored filtration solutions in a wide variety of applications such as:

- Minerals
- Food
- Chemicals
- Life Science
- Environmental

in order to assist our customers with any of their requirements.

We have developed a unique and tailored range of high quality liquid filtration solutions, leveraging on premium quality raw material. Our products are manufactured to FDA-compliance in order to support the customer, to have a final safe and effective product.

We provide our customers tailored filtration solutions to suit their individual process, leveraging on a high level of customisation without the extra cost, to be their preferred choice as a one source filtration solutions partner.

Our research and development engineers assess the processing requirements of our customers in order to provide accurate and efficient filtration systems.



Sefar Filtration Solutions

From Raw Material to Local Manufacturing

Through a profound technical understanding and tailored range of solutions, Sefar supports customers in production process optimization, choosing the best filtration solutions, guaranteeing the best quality of the customer product, and supporting the customer through an excellent service.

Technical Engineer and Research & Development

With our experience in the process filtration industry and leveraging on our in-house lab testing, we offer to our customers, production process optimization, leveraging on the profound technical knowledge and modern equipment to design customized solutions to suit their requirements, focusing on the quality of the final product and decreasing the customer's total cost of ownership.

On site services with technical engineering:

- Process optimization
- Product evaluation
- Total solution selection (vessel and media)
- Media testing facilities
- Technical training in the plant

Remote services through research and development

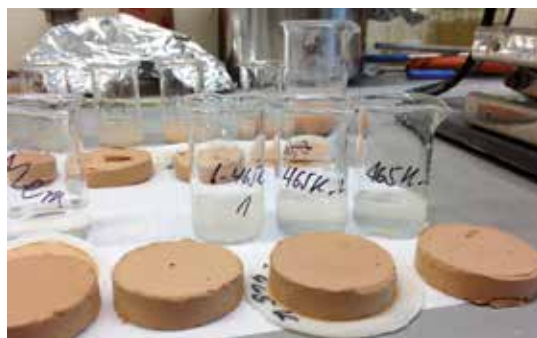
- Full laboratory facilities for customized media analysis
- System design assistance
- Filter compatibility
- Regulatory
- Service

Manufacturing and Quality

Sefar local manufacturing facilities can provide high quality tailor-made solutions for a wide range of production process as well as custom made designs that guarantee to have the best quality of the final product. During manufacturing processes strict testing and quality checks are performed, along with state of the art equipment and experienced operators and machinist.

We also custom make labels, colour coding or other designs that assist the customer quality requirements by ensuring the right filter solution is used for each process step. Our facilities are regularly audited from competent authorities to guarantee the best quality management system.

- Custom made designs
- Consistent product quality
- Application specific modifications
- Quality Certification ISO 9001:2015



Stream-Tex CHF High Flow

Polypropylene Pleated Filter Element



The unique, absolute @99% filtration efficiency rated, Polypropylene, Pleated Microfibre Membrane filter elements, feature an inside to outside flow pattern design, providing significantly increased service life, and dirt holding capacity through the Unique Internal Pleat Design.

The Irrigation Channel Mesh Design inside the pleats (figure 1) provides a uniform distribution of fluid and contaminants to the entire filtration surface of the filter element.

Stream Tex CHF High Flow Polypropylene Pleated Filter Element is a large diameter, coreless, single open end, pleated cartridge, designed to reduce system investment cost and disposal cost via long service life.

Stream Tex CHF High Flow Polypropylene Pleated Filter Element replaces from 10 to 20 standard P2 bags, saving the cost of change out in an innovative compact system design, reducing the size of the housing required for your application.



Figure 1: Irrigation Channel Mesh Design

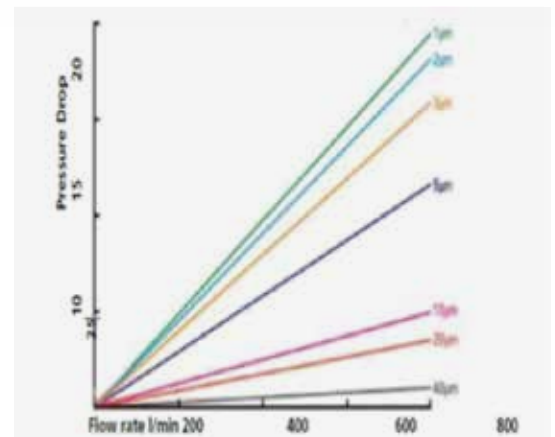
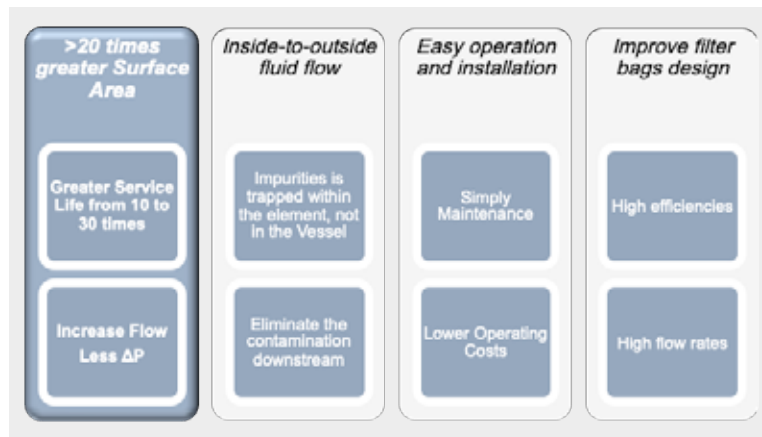
Applications

- Food & Beverage
- Industry DI Water
- Chemical Industry
- Paint & Coating
- Micro-Electronic Industry
- Petrochemical Industry



Features and Benefits of Stream-Tex CHF High Flow Polypropylene Pleated Filter Elements

- Inside to Outside Filter Design provides consistent filtrate quality, clean filter vessel, easy removal of contaminants
- High Surface area in a Pleated Micro Fibre Design provides more than double of the flow rate of standard P2 bags, longer service life, high dirt loading capacity for fewer filter change-outs
- Compact and Space Saving Design that fits in all existing P2 filter vessel results in lower capital and installation costs, easy disposal
- Absolute ratings @99% filtration efficiency rated results in constant particle removal efficiency's, extend existing final sterilizing membrane life
- FDA compliance



Construction

- Absolute Rating @ 99%:
CHF 0,5 -120 µm
- Filter Media, Center Core, End Caps, Outer Sleeve: 100% Polypropylene
- O-Ring: EPDM

Element Dimensions

- Inside Diameter: 85 mm
- Outside Diameter: 150 mm
- Length: 27" (685 mm)

Operating Conditions

- Max. Operating Temperature: 60°C (CIP 90°C)
- Max. Differential Pressure: 3 bar @ 20°C
- Recommended Differential Pressure: 2 bar @ 20°C

Ordering Guide:

Type of Filter	Size	Rating µm
CHF	2	005, 001, 003, 005, 010, 020, 040, 070, 100, 120

ie – CHF-2-001 CHF High Flow Polypropylene Pleated Filter Element, size 2, 1 µm,

Filter Vessel Solution – PV BS High Flow Pressure Vessel

Stream Tex PVBS filter element pressure vessels are specifically designed to accommodate flow rates of up to 800 liters per minute in a compact design. The result is a pressure vessel with a small footprint, designed for user-friendly elements installation and removal.

Stream Tex PVBS filter element housing is available for pressure ratings of 10.3 bar (standard) and optional 20.6 bar.

Features

- Completely cleanable with easy access to all wetted parts
- Full 80 mm ports for unrestricted flows
- Positive bag or filter element sealing
- Single gasket cover seal: EPDM
- Inlet/Outlet ANSI flange connections 3"
- Internal to external mechanical polished surface
- 304 or 316 S/S construction
- Certification: AS/NZ1210



Ordering Guide:

Model	Size	Material	Inlet/Outlet	Type of Flange	Design Temperature	Design Pressure
PVBS	2	304-316 Polished Stainless Steel	3"	A - ANSI	120°C	10 bar

ie – PVBS-2-316-3A

Laboratory & Technical Consulting



Application laboratory

Sefar through a profound technical understanding and tailored range of solutions, supports customers in production process optimization choosing the best filtration solution, guaranteeing the best quality customer product and supporting the customer through an excellent service.



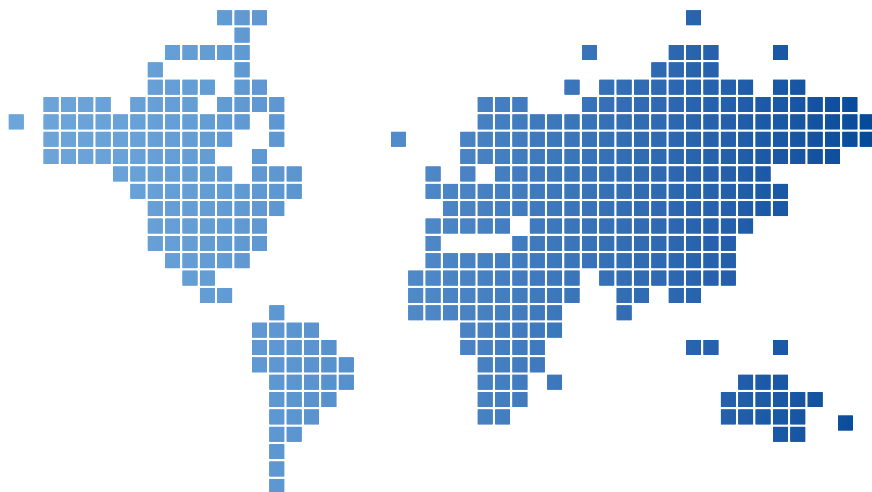
Particle size analysis



Filtration tests

Services

- Production Process Optimisation
- Tailored Filtration Solution Sizing
- Customer Technical Training
- Product Evaluation
- Regulatory Support
- Customer Service



Sefar Worldwide

Sefar is the leading manufacturer of precision fabrics from monofilaments for the screen printing and filtration market. Sefar products are used in a wide variety of industries, reaching from electronics, graphics, medical, automotive, food and pharmaceutical applications to aerospace, mining & refining and architecture. 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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Our current general sales conditions shall apply.

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

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