

STRASSBURGER
FILTER 

CLARITY IS OUR PURPOSE.





Everything flows.
You cannot step
twice into the same
river. Even if we do
step into the same river,
other waters flow.

Heraclitus, the Pre-Socratics





ABOUT US

Customized filtration solutions for use by a wide variety of different industries are our specialty – for over 95 years. Hermann Strassburger founded the company named after him in 1919.

Back then, the main focus was on **manufacturing filter apparatuses** that were initially used in wine making, but later also in the **fruit juice and vinegar industries**. Over the years, a number of new fields of application could be opened up. Today, in addition to the food and beverage sector, our systems are mainly used in the **chemical and pharmaceutical industries**, where the highest standards of safety and hygiene are required.

We constantly conduct research and develop our products further so that we can offer our customers the most innovative and appropriate applications. Here, we place particular importance on efficiency and ensure that our products function in a cost-effective, profitable and **environmentally friendly** manner.



*Julia Schnitzler
Managing Associate
Strassburger Filter GmbH & Co. KG*

EVERYTHING FLOWS

Thanks to our many years of experience in the area of solid-liquid separation and our innovative ideas as a technology leader, we are capable of quickly finding customized filtration solutions in a quality that suits the respective application.

BEVERAGES/FOODS

The quality of the product is our highest priority when it comes to filtration of beverages and foods. Taste and gentle processing, brilliance and clarity are closely interrelated. Decades of experience and in-depth expertise make us a highly skilled partner in this area.

Wine

The **Strassburger chamber filter press** with its membrane plates is a universal device for every expansion stage with which the must and wine are filtered. This filtration is so gentle that the aroma and character of the wine are not affected. Many well-known wineries and sparkling wine producers from premium quality growing regions rely on our technology.

With the **Strassburger MicroCross system**, complete sterilization of the filtrate is achieved with a single filtration. No other filter aids are needed. This technique is therefore a cost-effective and environmentally friendly alternative to conventional filtration techniques.

Beer

For our customers who make beer, we offer kieselguhr filtration which uses plate and frame filter presses, as well as sterile filtration as a sheet filter, or a combination of the two.

Vinegar

With vinegar filtration, the sterility of the process and the shelf-life of the product are of utmost importance. We have achieved the best results and references with our Strassburger MicroCross system.

CHEMICALS

Aggressive media and high temperatures determine the standards for manufacturing and the workmanship of filtration systems. Our filter systems are used to produce surfactants and technical oils in the fine chemical industry. The sheet filter that has no gaskets is a filtration system that we developed to meet the special demands of the chemical industry. The design is oriented toward meeting the high demands placed on temperature stability, but also toward specially selected materials due to aggressive media.

PHARMACEUTICALS

The highest demands for purity, a design that suits GMP, high surface quality and flexibility in terms of filtration capacity determine the standards in workmanship and manufacturing of filtration systems for the pharmaceutical and biopharmaceutical industries. **Micro-, ultra- and nanofiltration systems** are used to filtrate protein solutions. Sheet filters without gaskets are used to fractionate blood plasma, to concentrate and fractionate enzymes, for sterile filtration of vaccines and serums and for diafiltration.



OUR LEADING TECHNOLOGIES BRING CLARITY

Thanks to our diverse know-how in many different areas, we are able to supply a customized, mature and reliable system that meets every special demand. After all, we are never satisfied with our products until the solution for our customers is clear.

As the technology leader in the area of **solid-liquid separation**, we and our engineers constantly seek to develop new technologies and to put our proven technologies to use in new areas of application and new markets.

In fact, we were able to present several new technological innovations in recent years:

A closed **depth filtration system** that is mainly used in the pharmaceutical industry to fractionate blood plasma

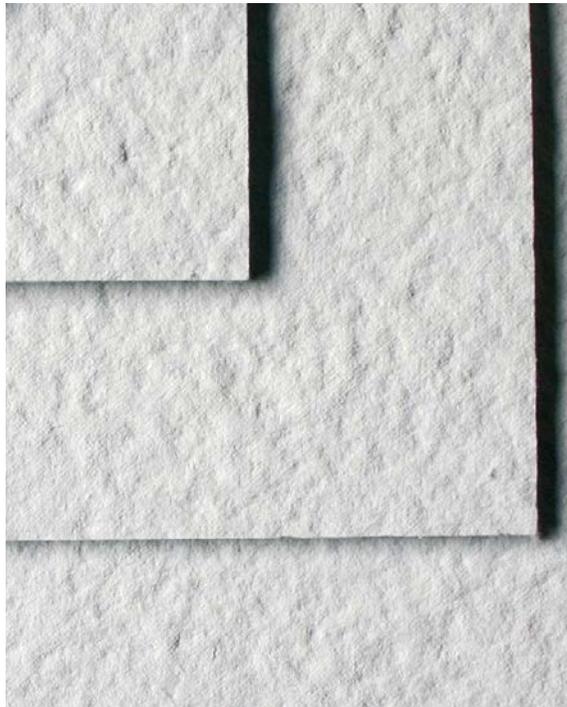
Fully automatic **crossflow systems** for the filtration of wine and juices for large wineries and cooperatives

A heatable **chamber filter press** that combines the processes of filtration, washing of the filter cake and drying in a single device. This method is used to produce white pigments, for example.

Quality and first-class workmanship require modern management systems. For this reason, we introduced a quality management system back in 1999. Since then, we have been audited for the effectiveness and observance of our standards in our QM system on an annual basis.



OUR PRODUCTS



Filter sheets

First-class raw ingredients and mature technology in manufacturing characterize the quality of our **SF filter sheets**. They therefore offer unique advantages with respect to efficiency, effectiveness and ease-of-use and meet the highest demands for safety. Cellulose fibers that act as extremely filtration-active structures due to fibrillation and the integration of highly porous diatoms form the basic framework of our SF filter sheets. Depending on what is needed, these can even be loosened up by adding perlite or coarser kieselguhrs. The composition and structure of depth filters can be compared with an extremely fine meshed, three-dimensional sieve with countless branches. Three parameters are responsible for the filter sheets' retention capacity:

Advantages

Surface filtration, e.g. the mechanical sieve effect

Depth filtration, e.g. mechanical absorption

Adsorption effect

Our experts would be happy to assist you in choosing the right filter sheets and systems for your application.

Our experience, expertise, and constant efforts to develop new solutions have made us the technology leader in the area of solid-liquid separation. Thanks to our first-class products, we are able to find customized filtration solutions for our customers for every application area.



DEPTH MODULE SF DISC

The module filter is used as a **closed filtration system** in a wide variety of different applications. Our customers filter beverages such as wine, juices and spirits reliably, but also pharmaceuticals, cosmetics and chemical products such as solvents, for example.

Advantages

A closed system, therefore hygienic and drip-tight

Compact architecture

The modules are easy to use

Filter modules are available with all of the most common SF filter sheet types

Two different types of suitable module housings are available:

SF DISC G for filtration of beverages

SF DISC P for use in the pharmaceutical or chemical industry

PLATE AND FRAME FILTER PRESS HERMETIX P OR S

The **multilayer filter HERMETIX P or S** is designed to meet the unique demands of the pharmaceutical industry. The design was developed specifically to meet the high demands for hygiene and purity. These can be used for a broad spectrum of applications, including **fractionating of blood plasma**, **harvesting of proteins** and **clarifying filtration of vaccines** and antibiotics. The filter plates are sealed by circumferential O-ring gaskets on the filter plates and the interior filter layers. This results in 100% sealing without leaks. All contact with the product's surrounding environment is eliminated. The possibility of performing CIP cleaning and SIP sterilization is also unique. The system is available with filter plates made of stainless steel or polypropylene.

Advantages

Sealing of the product channels within the filter plates without gaskets through the filter layer

Circumferential gasket hermetically seals the filter package

Membrane plates achieve up to 50% higher product yield



PLATE AND FRAME FILTER PRESS SF ϕ D

The **multilayer filter SF ϕ D** (closed hood optional) is designed specially to meet even the highest demands of the chemical industry. The design was developed to meet the special demands that pertain to aggressive media and high temperatures. It can be used for a broad spectrum of applications in **solid-liquid separation**, including filtration of surfactants, oils and catalysts. Sealing of the product channels in the filter plates takes place via the filter layer. The plate package can be closed by using a hood to ensure the highest safety even with extreme temperatures and substances that pose a risk of explosion. It is also possible to equip the filter frames with **heating elements** to keep the temperature constant.

Advantages

Sealing inside the filter plates works without seals and only through the filter layer

The sheet filter is made of high-alloy stainless steel (SS316L)

Available with a heatable filter frame

ATEX certificate and MOT



PLATE AND FRAME FILTER PRESS SF B

The **multilayer filter SF B** is designed especially to meet the needs of the **beverage and food industry** and can be used for a broad spectrum of **filtration tasks**, including filtration of wine and beer. Through the four-eye principle of the filter plate, this classic multilayer filter achieves ideal flow and thus ensures the efficient use of filter sheets and outstanding filtration results. A diversion chamber can be used to perform multi-step filtration.

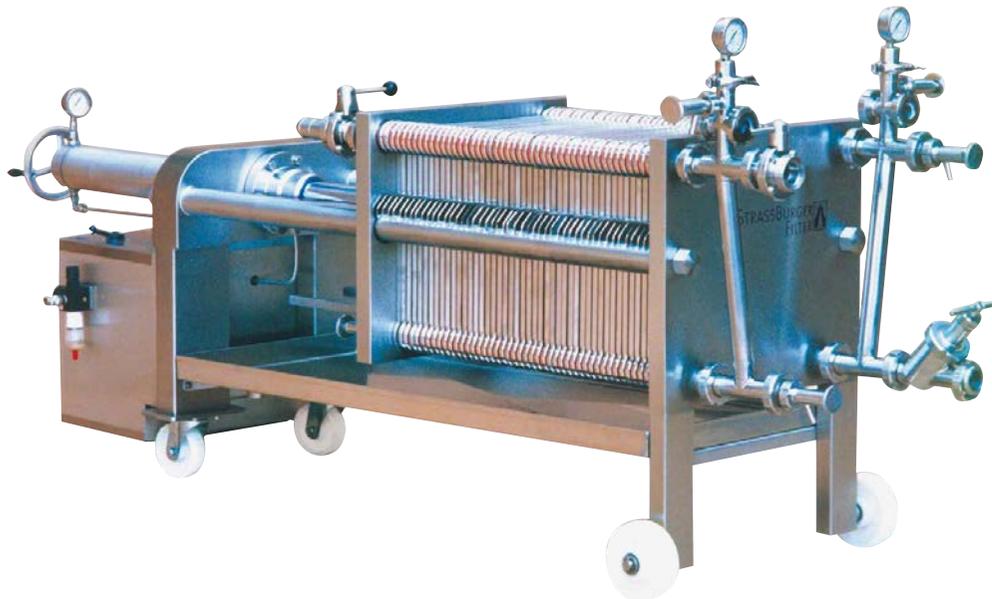
The system can be used very flexibly thanks to the wide range of filter media that offer various separating efficiencies. It is available in different versions and various types of stainless steels.

Advantages

The sheet filter SF 400/600 B provides an excellent filtration result

The range of different SF depth filter sheets provides a high degree of flexibility

Multi-stage filtration is easily possible with a diversion chamber



FILTER PRESSES CLEAN SYSTEM

The **chamber filter press KFP** or **membrane filter press MFP Clean System** can be used to **filtrate and drain** liquids that contain solids. Particularly good results are achieved with membrane plates that are capable of exerting additional internal pressure on the filter cake by applying compressed air. This is also of benefit in washing the cake.

The **chamber or membrane filter press** is generally used in the beverage and food industry to filter juice and wine gently.

It is available in the following versions:

Equipped with membrane or chamber plates

As a Clean System for a hermetically sealed and aseptic filter

Advantages

Safety through excellent processing quality

High product yield

Shorter filtration cycles due to membrane plates



DOSING DEVICES

The **dosing device DOS 500** for kieselguhr and other filtering aids ensures uniform mixing and precisely adjustable dosing of the filtering aid. Foam formation can be (optionally) avoided thanks to a frequency-controlled mixing device. Kieselguhr filtration is used to filter wine, for example, inside a chamber filter press, or beer in plate and frame filters.

Advantages

Uniform mixing of the filter aid

High-performance dosing pump

Good pre-coating of the filter cake

High filtration performances



MEMBRANE SYSTEMS MICROCROSS

In developing the **MicroCross system** for the use in filtrating wine, but also fruit juice and vinegar, we have achieved our goal of ensuring the maximum possible retention of aroma, quality, and characteristics of wine. Our **PLC-controlled MicroCross systems** function fully automatically and are quite popular due to how safe and easy they are to use. These systems are designed in a compact manner and a decline in performance is prevented by backwashing. With **ultrafiltration**, which is used to concentrate and fractionate enzymes and vaccines in the biopharmaceutical industry, or in environmental technology (wastewater cleaning), for example, both hollow fibers and wound modules are used.

No filtering aids are needed. This lowers costs and protects the environment.

Advantages

No filter aids required

Compactly designed systems

Safe and powerful hollow fiber membrane

Simple and safe operation



SATISFIED CUSTOMERS

Our customers come from Germany, Austria, Switzerland, France, Belgium, Italy, Canada, Israel and China. And all of them have individual requirements and needs. We support them with competent advice and innovative technology. And contribute to their success.

Chamber filter press KFP/MFP CLEAN SYSTEM

Whether in the wine sector for renowned wineries such as Wittmann or Robert Weil or in the food sector for Nestlé, our **chamber filter press Clean System** provides reliable service in many areas.

Other industries: **food, beverages, gelatine**



Plate and frame filter presses HERMETIX P/Sw

For **pharmaceutical applications**, customers such as **Biotest and CSL Behring AG** rely on our **plate and frame filter presses**; also BASF in the chemical sector.

Other industries: **chemistry, food, wax**



Membrane systems MicroCross

Our **membrane systems** are used, for instance, in the fields of **wine** and cider at **Herbst and Kullamust** as well as other wineries. Galactic S.A. from the pharmaceutical industry also relies on **MicroCross**.

Other industries: **vinegar**



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