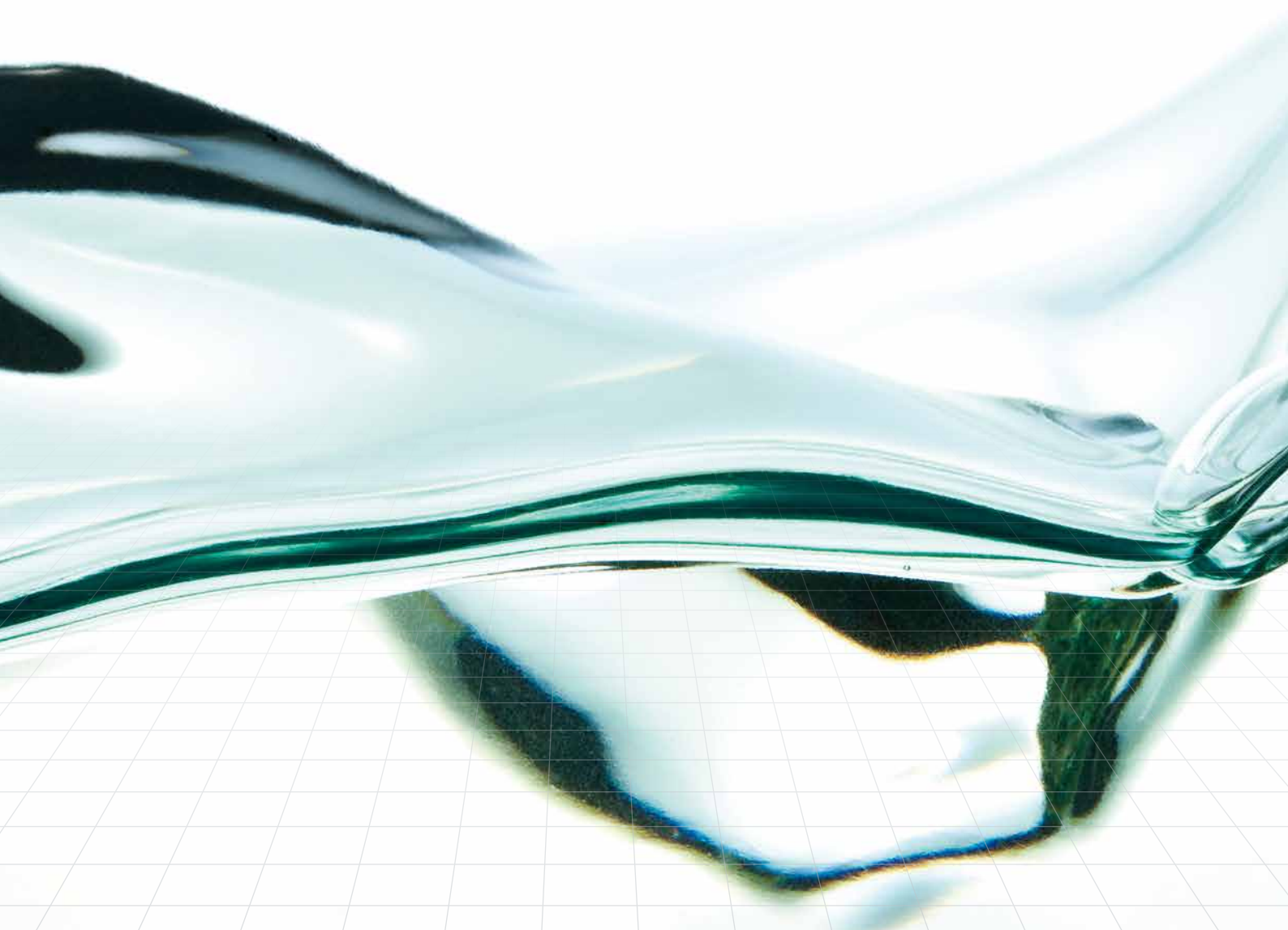


CLARITY IS OUR PURPOSE.

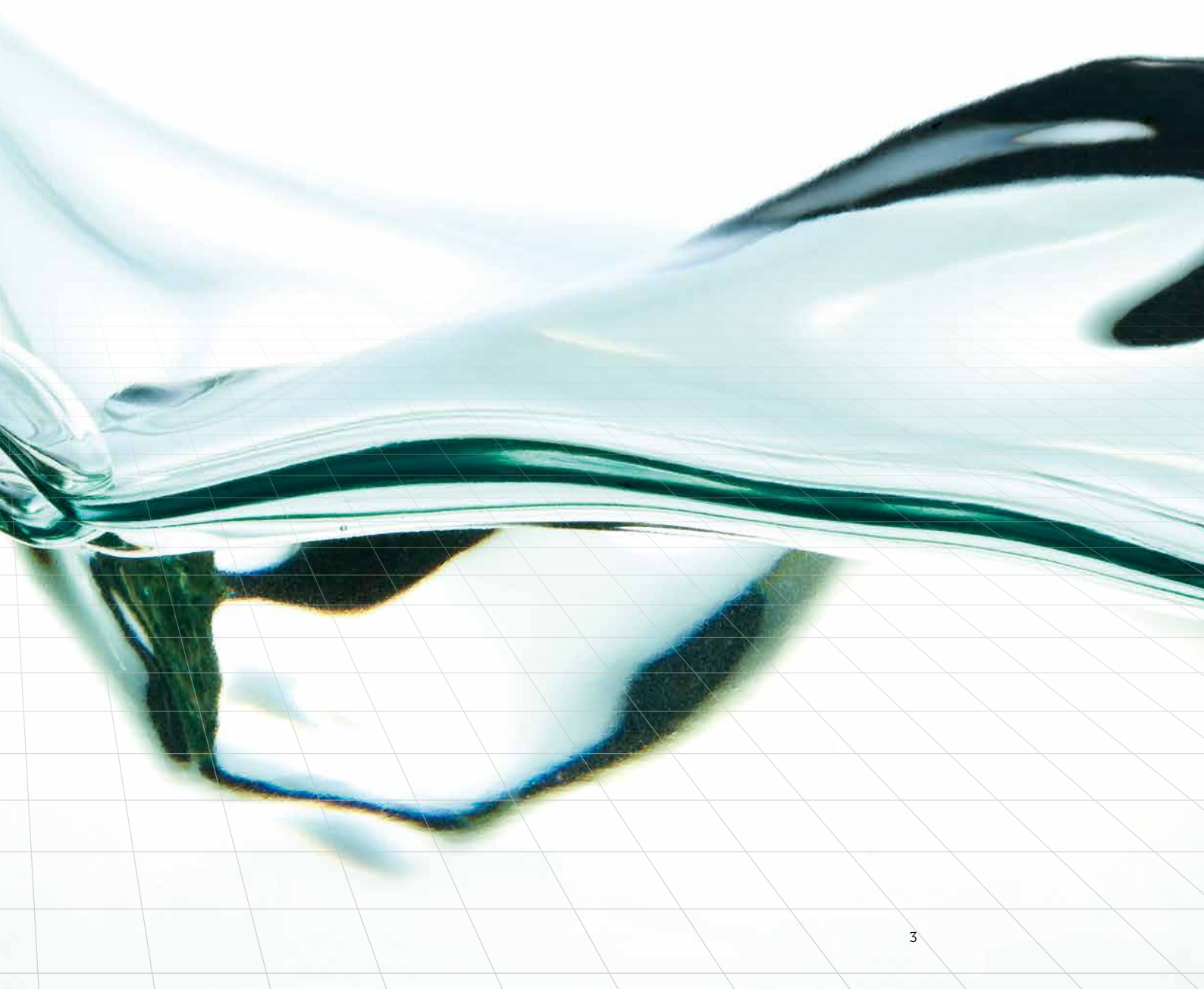


Universal Filtration & Pumping Solutions, Inc
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www.automaticfilterpress.com
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STRASSBURGER
FILTER 

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





Julia Schnitzler
Managing Partner
Strassburger Filter GmbH & Co. KG
Filters – Systems – Apparatus Construction

ABOUT US

Customised filtration solutions for use by a wide variety of different industries are our specialty – for over 95 years. Hermann Strassburger founded the company that is 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. A number of new areas of application were developed over the years. Today, we are active with our systems in the beverage and food sector, but also in the chemical and pharmaceutical industries, where the highest standards for safety and hygiene apply.

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 economics and ensure that our products function in a cost-effective, profitable, and environmental-friendly manner.





EVERYTHING FLOWS

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

BEVERAGES/FOODS

The quality of the product is our most important priority when it comes to filtration of beverages and foods. Taste and gentle processing, and 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 Clean System that has membrane plates is a universal device for every expansion stage with which the must and wine are filtered. Here, the filtration is so gentle that the aroma and the 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 sterilisation of the filtrate is achieved with only one filtration. No other filter aids are needed. This technique can thus be considered a cost-effective and environmentally-friendly alternative to conventional filtration techniques.

Beer

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

Vinegar

With filtration of vinegar, the sterility of the process and thus the shelf-life of the product are extremely important. Here, we have achieved the best results and references with our Strassburger MicroCross system.

CHEMICALS

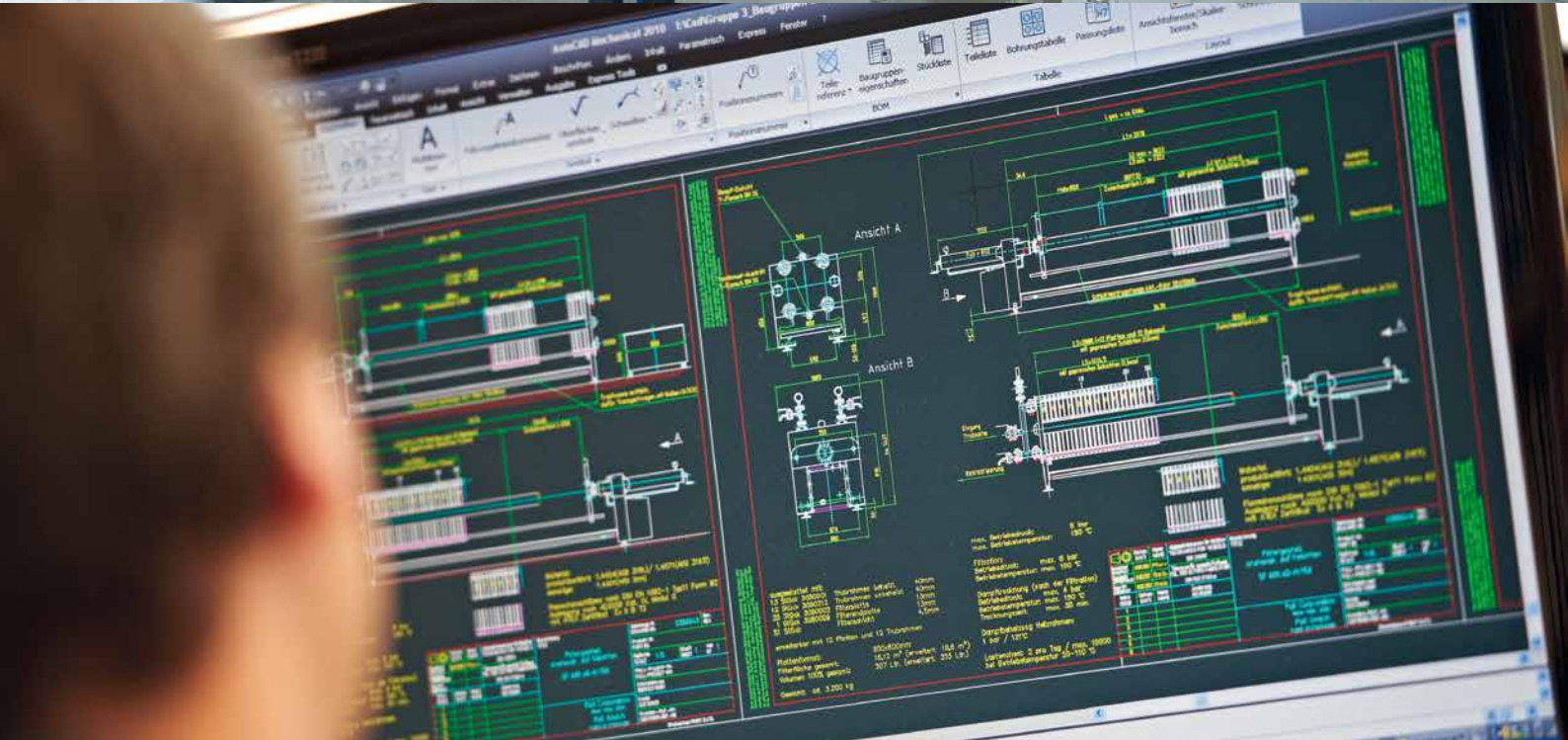
Aggressive media and high temperatures determine the standards for manufacturing and the workmanship of filtration systems. Our filter systems are used to produce surfactants and technical oils in the fine chemical industry.

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!

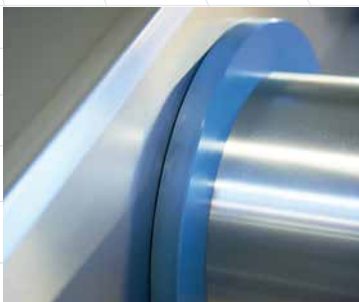
Thanks to our diverse know-how in many different areas, we are able to supply a customised, mature and reliable system that meets every special demand. After all, we are never satisfied with our products until the solution for our customers is clear.

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 filtration, washing of the filter cake, and drying in a single device. This method is used to produce white pigments, for example

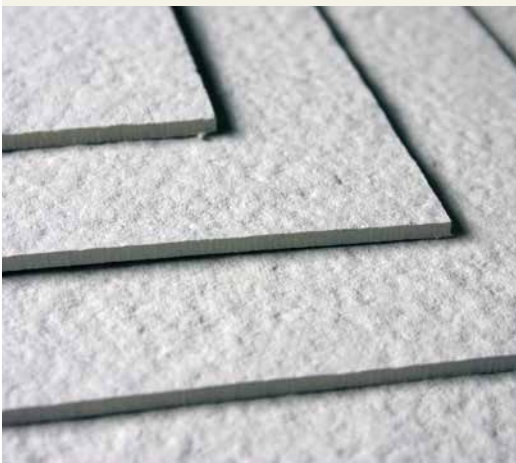
Quality and first-class workmanship require modern management systems. For this reason, we introduced a quality management system back in 1999. Since then, we have been audited for the effectiveness and observance of our standards in our QM system on an annual basis.



OVERVIEW OF OUR PRODUCTS

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 customised filtration solutions for our customers for every application area.

FILTER SHEETS



First-class raw ingredients and mature technology in manufacturing characterise 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 that act as extremely filtration-active structures due to fibrillation and the integration of highly porous diatoms form the basic framework for 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. Here, three parameters are responsible for the filter sheets' retention capacity:

- The surface filtration e.g. the mechanical sieve effect
- The depth filtration e.g. mechanical absorption
- The adsorption effect

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

DEPTH FILTER 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.

The depth filter module SF Disc offers the following benefits:

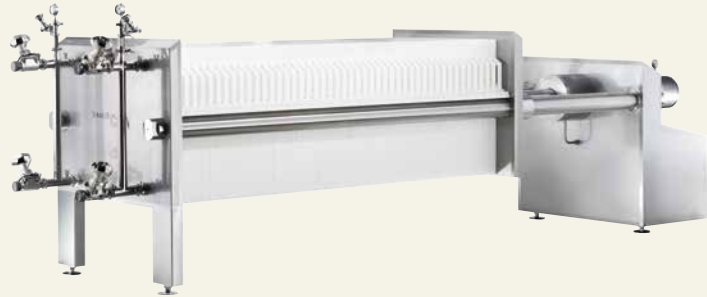
- A closed system, therefore hygienic and drip-tight
- Compact architecture
- The modules are easy to use
- Filter modules are available with all of the most common SF filter sheet types

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



THE PLATE AND FRAME FILTER PRESS SFoDPC OR SFoDEC CLEAN SYSTEM



Both the multilayer filter SF oDPC and the SF oDEC CLEAN SYSTEM are 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 surrounding O-ring seals on the filter plates and the interior filter layers. This creates a 100% seal without any leakages. The product thus does not come into contact with its surroundings. The possibility of performing CIP cleaning and SIP sterilisation is also unique. The system is available with filter plates made of stainless steel or polypropylene.

THE PLATE AND FRAME FILTER PRESS SF oD

The multilayer filter SF oD (closed hood optional) is designed especially to meet even the highest demands of the chemical industry. This 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, etc.

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.



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 the filter sheets and outstanding filtration results. A diversion chamber can be used to perform multi-step filtration.

This 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.



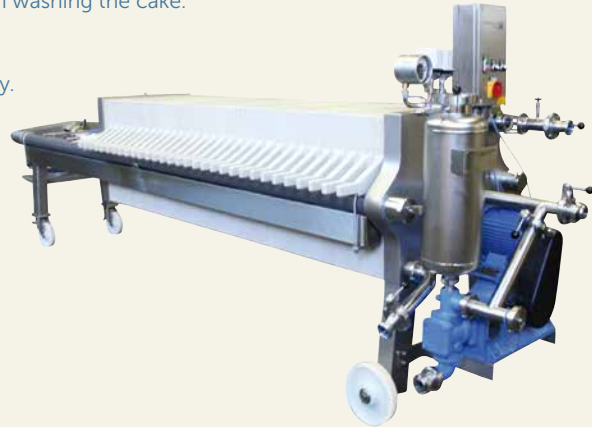
FILTER PRESSES

The chamber filter press KFP or membrane filter press MFP 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 generating 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
- Together with traditional drape over cloths



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.

The advantages of the kieselguhr dosing devices:

- Uniform mixing of the filter aid
- High-performance dosing pump
- Good pre-coating of the filter cake
- High filtrate performances even with difficult turbidity

MEMBRANE SYSTEMS MICROCROSS

In developing the MicroCross system for 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 the 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 fibres and wound modules are used. No filtering aids are needed. This lowers the costs and protects the environment.



A FEW OF OUR SATISFIED CUSTOMERS:

CHAMBER FILTER PRESS KFP/MFP CLEAN SYSTEM

CUSTOMER	BRANCH	LOCATION	COUNTRY
8th Generation Vineyard	Wine	Ca Okanagan Falls	Canada
BASF	Chemicals	Ludwigshafen	Germany
Dr. Lohmann	Chemicals	Emmenthal	Germany
Dr. Metz	Food	Kelkheim	Germany
Gebr. Loosen	Wine	Bernkastel-Kues	Germany
Giuseppe D'Inama	Wine	Bonifacio	Italy
Henkell & Söhnlein	Wine	Wiesbaden	Germany
Hessisches Staatsweingut Kloster Eberbach	Wine	Eltville	Germany
Kellerei Bozen	Wine	Bozen	Italy
Mast-Jägermeister	Beverages	Wolfenbüttel	Germany
Peele Island Winery	Wine	Ontario	Canada
PSS	Chemicals	Mainz	Germany
Reichsrat von Buhl	Wine	Deidesheim	Germany
Reinert-Gruppe	Gelatine	Monzingen	Germany
Sektkellerei Rotkäppchen	Wine	Freyburg	Germany
van Volxem Saarweine großer Lagen	Wine	Wiltingen	Germany
Weingut Wittmann	Wine	Westhofen	Germany

PLATE AND FRAME FILTER PRESSES SF B/oD/oDEC/oDPC CLEAN SYSTEM

Baxter	Pharmaceuticals	Wien	Austria
BYK Chemie	Chemicals	Wesel	Germany
Cognis	Chemicals	Düsseldorf	Germany
CSL Behring AG	Pharmaceuticals	Bern	Switzerland
Deutsche Hydrierwerke	Chemicals	Rodleben	Germany
DuPont Performance Coatings	Chemicals	Wuppertal	Germany
Evonik	Chemicals	Marl	Germany
Hunan Nanyue Biopharming Co.	Pharmaceuticals	Hunan Province	China
Pepsico	Food	Manaus	Brasil
Protalix	Pharmaceuticals	Carmiel	Israel
Südzucker	Sugar	Offstein	Germany
Symrise	Nahrungsmittel	Holzminden	Germany
TIB Chemicals	Chemicals	Mannheim	Germany
Tromm	Wax	Köln	Germany
Vossko Tiefkühlkost	Food	Ostbevern	Germany
Wacker Chemie	Chemicals	Burghausen	Germany

MEMBRANE SYSTEMS MICROCROSS

Abfüllbetrieb Schaurer	Wine	Billigheim-Ingenheim	Germany
Abfüllbetrieb Bicking	Wine	Flörsheim Dalsheim	Germany
Weingut Ruhlmann	Wine	Dambach La Ville	France
Weingut Schick	Wine	Jugenheim	Germany
Winzergenossenschaft Auggen	Wine	Auggen	Germany
Winzergenossenschaft Baden-Baden	Wine	Neuweier	Germany
Winzergenossenschaft Bötzingen	Wine	Bötzingen	Germany
Gasthaus Zum Knochen	Apple wine	Bad Vilbel	Germany
Kelterei Herbst	Apple wine	Hofbieber	Germany
Schwarzkopf	Apple wine	Rödermark	Germany
Carl Kühne	Vinegar	Straelen	Germany
Galactic S.A.	Pharmaceuticals	Escanaffles	Belgium

CONTACT US



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