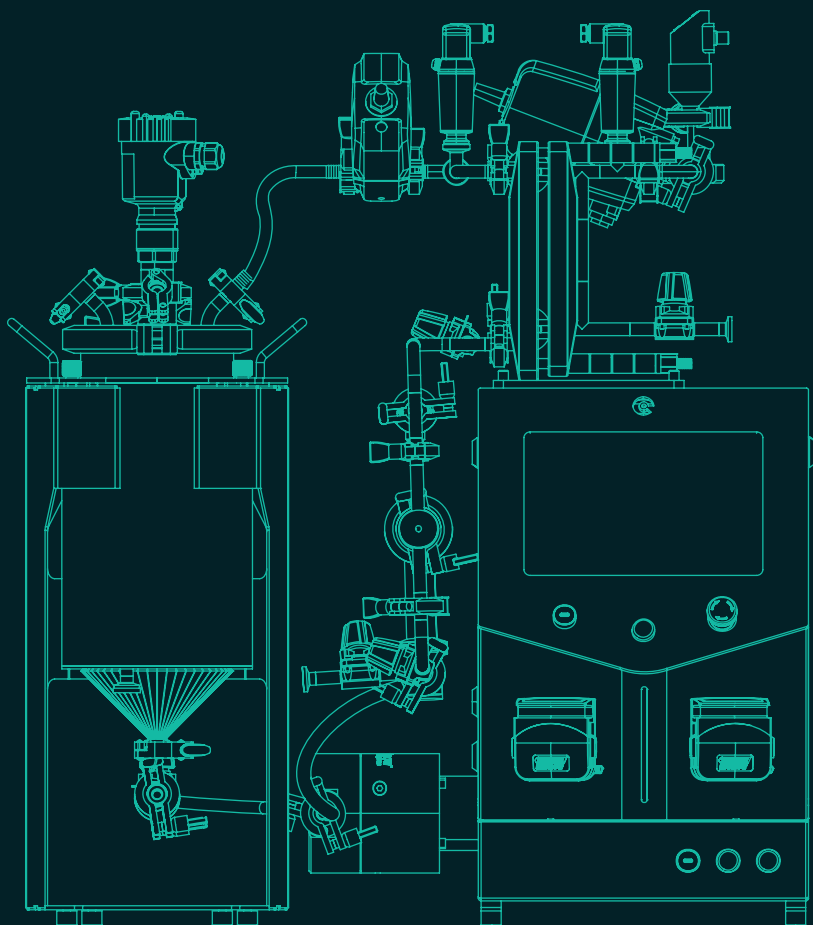


eLAB

TECNIC

Tangential Flow Filtration

for the most demanding downstream processes





Tangential Flow Filtration

Our TFF (tangential flow filtration) system is a cutting-edge technology designed to satisfy the most challenging downstream processes in bioprocessing. The system boasts a maximum filtration performance of up to 0.5 square meters of total membrane surface area, ensuring high throughput and efficiency.

Also is available in both multi-use and single-use options, giving our customers the flexibility to choose the most suitable solution for their specific requirements. The system is equipped with 5L or 10L working volume vessels, making it suitable for a broad range of applications, from small-scale laboratory use to large-scale manufacturing.

Is fully automatic, which means it requires minimal manual intervention, saving you valuable time and effort. The system uses advanced control regulation techniques such as differential pressure, transmembrane pressure, or crossflow to ensure process concentration and diafiltration are optimal. This ensures precise and consistent results every time, and it also minimizes the risk of human error, ensuring product quality and safety.

Our TFF system is capable of handling demanding downstream processes using ultrafiltration, microfiltration, or nanofiltration filter modules in cassette, hollow fiber, and ceramic configurations. This allows our customers to choose the most appropriate filter module configuration based on their specific requirements, ensuring the best possible filtration performance.



Holder

Auto CIP

Peristaltic Pumps

eLAB TFF

Some Applications

The eLAB TFF is a specialized device designed for bio-pharmaceutical purposes, including vaccines, recombinant proteins, and monoclonal antibodies. It is also suitable for use in the food industry. Choose the eLAB TFF for reliable and efficient filtration of your bio-pharmaceutical and food products.



Vaccines

When it comes to vaccine manufacturing, the eLAB TFF system is highly efficient, with its peristaltic pumps and holders ensuring that the production process is streamlined and optimized. The CIP system also ensures that the equipment remains clean and ready for use, reducing the risk of contamination and increasing the overall efficiency of the production process.



Recombinant proteins

Recombinant proteins are another area where the eLAB TFF system excels. Its holders can accommodate a variety of cassettes, ceramic, and hollow fiber solutions, with filtration surfaces ranging from 0.1m² to 0.5m². The peristaltic pumps are highly reliable and efficient, ensuring that the production process is smooth and uninterrupted.



Monoclonal Antibodies












The eLAB TFF system is also well-suited for the production of monoclonal antibodies. Its advanced filtration capabilities ensure that the final product is of the highest quality, while the CIP system ensures that the equipment is always clean and ready for use.



For More
Information:
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Datasheet

 Weight	Only 30kg excluding vessels
 Dimensions	W: 780 mm H: 535 mm D: 909 mm
 Material vessels	Stainless steel and Borosilicate glass
 Scalable	With 5 to 10L working volume
 Fixed Speed	1x Fixed speed 90 RPM
 Variable Speed	1x Variable speed 100 RPM
 Recirculation	1x Sanitary piston 1,2 m ³ /h
 Holder	By TECNIC & Sartorius & Pall & Millipore
 Filter area	0.1 - 0.5 m ²
 Cut Off	Microfiltration, Ultrafiltration, Nanofiltration
 Adaptable	Large n° of cassette, ceramic & hollow fiber



we evolve together



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