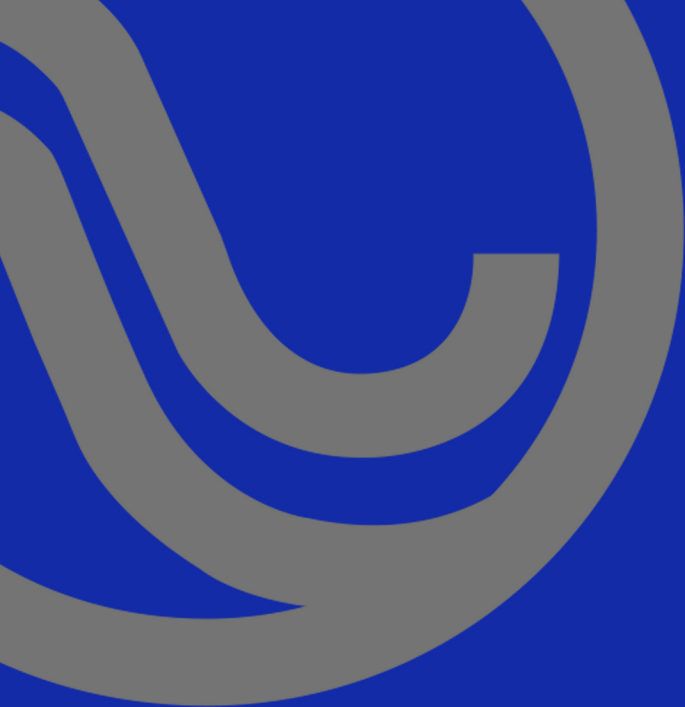




CASPIAN BIOTECH

A Collection of Leading Global Brands Exclusively
Represented by Caspian Jam Azma



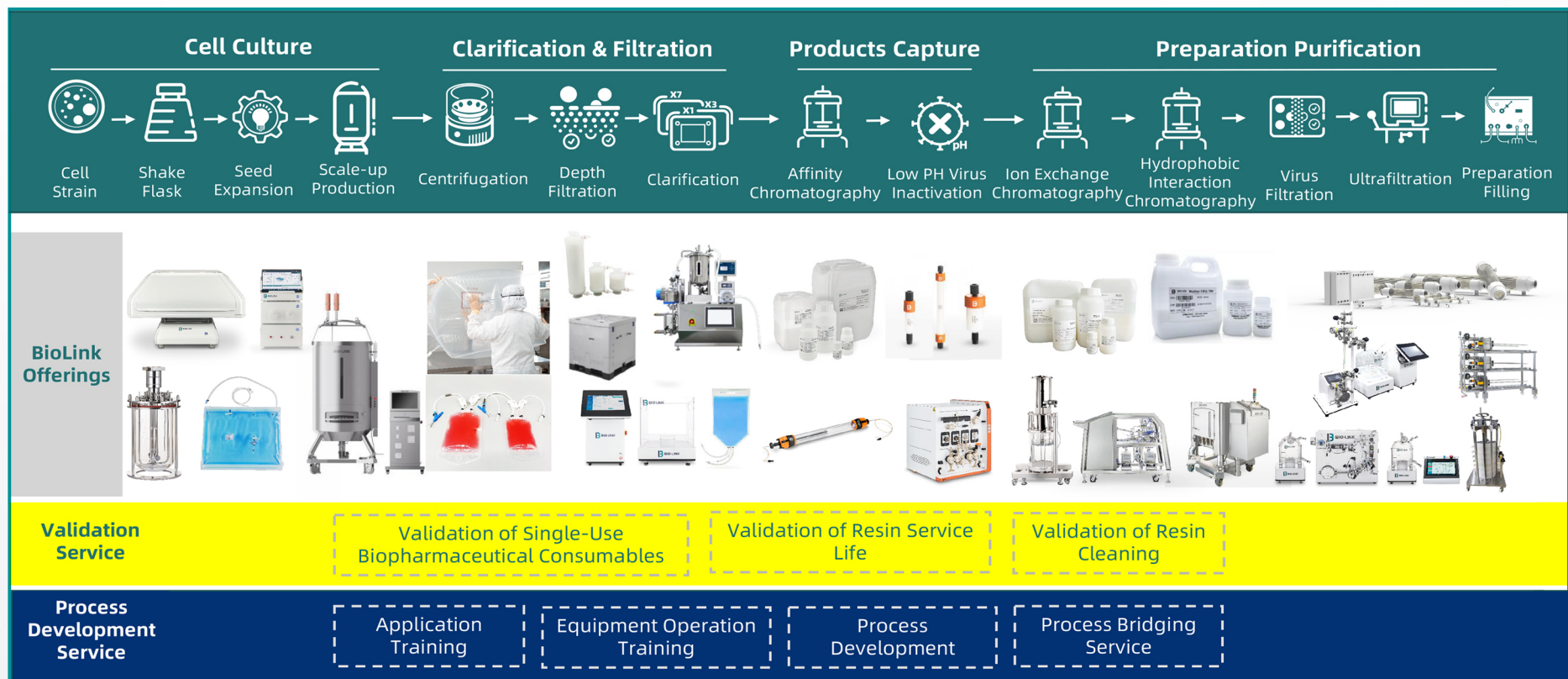
Beyond Vision. Towards the Future of Biotech.



A Core Equipment & Consumables Solution Supplier in Bioprocess

BioLink is a group of technology-driven businesses that provide process solutions in the life sciences industry. The company focuses on the development and production of the key processing equipment and consumables used in the manufacturing process of recombinant protein drugs, vaccines, antibodies, cell therapies, gene therapies, and other biological products. BioLink's portfolio of offerings covers the entire upstream and downstream bioprocess such as cell culture, single-use mixing and storage, chromatography, filtration (ultrafiltration /diafiltration, clarification, and virus removal), and hydration products, as well as process development services. BioLink is committed to providing customers with high-quality, innovative products and solutions and strives to build an efficient, safe and competitive biopharmaceutical supply chain eco-system.

BioLink Bioprocessing Solutions



ChromaX[®] Resins

Matrix Material	Principles	Product Categories		
Agarose/ Dextran	Size exclusion	·Chromstar 4FF/6FF ·Geldex PG Series	·Chromstar CL-4B/CL-6B ·Puredex G Series	·Chromstar 4B/6B ·Puredex LH-20
	Ion exchange	·MaXtar Q/DEAE/S ·Q/SP Chromstar BB ·Q/SP Chromstar XL	·MaXtar Q/SP HR ·Q/DEAE/SP/S/CM Chromstar FF ·DEAE Puredex A50	·MaXtar S HC ·Q/DEAE/SP/CM Chromstar HP ·CM Puredex C25
	Affinity	· Antibody purification · GST-tag protein purification	·Histidine-tag protein purification ·Other affinities	·Metal ion integration purification
	Hydrophobic interaction	·MaXtar Phenyl (HS)/(LS) ·Phenyl Chromstar 6FF (HS)/(LS)	· MaXtar Butyl HR ·Octyl/Butyl/Butyl-S Chromstar 4FF	·MaXtar Phenyl/Octyl HR ·Phenyl/Butyl Chromstar HP
	Multimodal	·MaXtar MMC ·MaXtar COLL 400	·MaXtar MMC HR ·MaXtar COLL 700	
Inorganic	Multimodal	·BARONHAP type I/II		
Polymer	Ion exchange	·PolyPS 50S/Q	·Maxgo 15S/Q	·Maxgo 30S/Q
	Affinity	·PolyPS oligo dT(25) pro		
	Reverse	·Maxgo 15/30 RPC		





COMPANY INTRODUCTION:

Changsha Saifu Technology Co., Ltd. is an innovative enterprise focusing on laboratory - scale protein purification technology. It has a number of computer software copyrights and invention patents. Core R & D personnel account for more than 50% of the company's total staff. The company has established R & D and service centers in Changsha, Hunan; Moscow, Russia; New Delhi, India, etc. Integrating R & D, production and global sales, through continuous innovation, it helps customers improve the efficiency of separation and purification, and reduces the threshold and cost of biological experimental research.

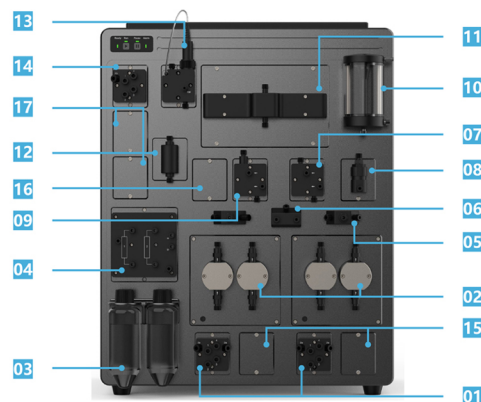


FPLC (Fast Protein Liquid Chromatography)

is a liquid chromatography technique used for the separation, purification, and analysis of proteins and other biomolecules. Utilizing specialized columns, precision pumps, and aqueous buffers, the system separates sample components based on characteristics such as size, electrical charge, and binding affinity. Due to its mild operating conditions, FPLC largely preserves the structure and biological activity of proteins.

Sepflow Model Pilot600

Chromatography system



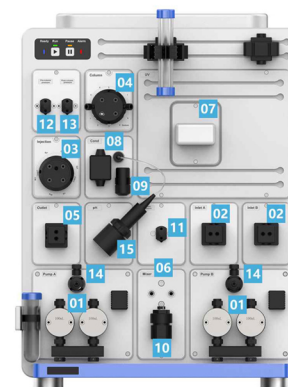
Base configuration

- 01 Inlet valves
- 02 System pump A and B
- 03 System pump rinse bottles
- 04 Column valve
- 05 System restrictor
- 06 System pressure
- 07 Mixer bypass valve
- 08 Mixer chamber
- 09 Air trap bypass valve
- 10 Air trap
- 11 UV monitor
- 12 Conductivity monitor(post-column)
- 13 pH valve and monitor
- 14 Outlet valve

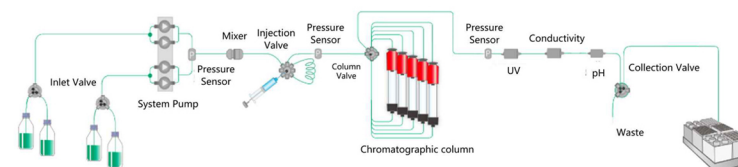
Optional configuration

- 15 Inlet valves
- 16 Conductivity monitor(pre-column)
- 17 Outlet valves

Sepflow Model X2



- 01 System Pump
- 02 Inlet Valve
- 03 Injection Valve
- 04 Column Valve
- 05 Collection Valve
- 06 Damper
- 07 UV
- 08 Conductivity Detector
- 09 Restrictor
- 10 Mixer
- 11 System Pressure Sensor
- 12 Pre - column Pressure Sensor
- 13 Post - column Pressure Sensor
- 14 Air Sensor
- 15 pH Detector



Lab Auto TFF





SEPFOCUS INTRODUCTION:

Shanghai Sepfocus Technology was established in Zizhu National Hi-tech Industrial Development Zone. The company provide total solutions for purification of small molecules and proteins, we develop high-efficacy manufacturing methods with a core strength in purification processes, manufacture high performance purification equipment.

Our technical team brings over a decade of global corporate experience in the design, manufacturing, process development, validation audits, and technical services related to industrial scale preparative liquid chromatography.





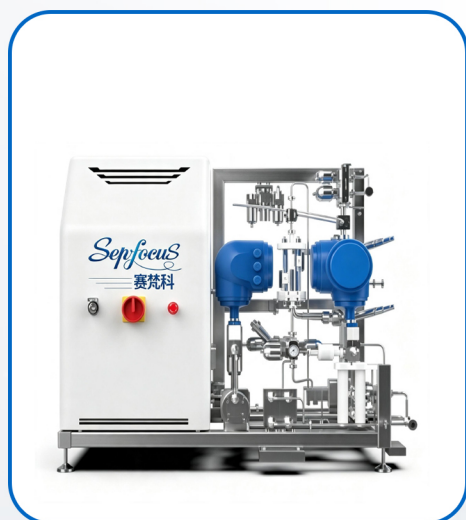
FPLC Columns and Systems:

Specialized equipment used for the separation and purification of proteins and other biomolecules. An FPLC system precisely controls flow rate, pressure, and buffer composition, separating sample components based on size, electrical charge, or binding properties.

Auto chromatography column



Process chromatography system



Easy chromatography column





Non-linear Chromatography and RP-HPLC Purification Of Peptides

Provide total solutions for down stream of pharmaceutical company.
Provide high level application method, lower the cost of purification.
Focus on the purification of GLP-1, insulin, XDC and Oligoneuclitide.



Hard ware: Prominent pump, E+H Mass flowmeters and pressure transmitter, Masoneilan proportioning Valves, Noritake mixer, sepfocus UV detector, BOPP frits.

Software: User-friendly Chromatography software, identical for all models. Divide into various modules for ease of operator interface, cGMP operation of purification step and safety. Design follows the GAMP 5, Five access levels (operator 1 and 2, supervisor 1 and 2, administrator) with different rights and passwords in the control software, CFR 21 Part 11 compliant.



FUTURES

- Linear scale up from analytical to preparative
- Wise design, easy to pack & unpack
- Complaint with cGMP guidelines
- High efficiency& robust performance
- Specific design upon request



COMPANY INTRODUCTION:

Alioth Biotech (Shanghai) Co., Ltd. is a leading technology-driven company specializing in filtration and membrane separation solutions for the pharmaceutical industry. Backed by R&D teams led by internationally recognized membrane scientists in Boston and Shanghai, we develop proprietary, high-performance filtration membranes and products to optimize critical drug manufacturing processes.





With proprietary membrane technology at its core, Alioth delivers end-to-end filtration solutions that ensure process robustness and product compliance in biopharmaceutical manufacturing.

Applications

Antibodies & ADCs
Recombinant Proteins
Vaccines
Cell & Gene Therapy (CGT)
Plasma
Small Molecule Drugs
Peptides
Synthetic Biology
Others

Products

Depth Filtration

Depth Filters
Stacked Depth Filters
Activated Carbon Stacked Filters
Disc Depth Filters
Disposable Connector Kits

Liquid Prefiltration

High-Throughput PES Prefilters (0.45 / 0.65 / 0.8 / 1.2 μm)
0.2 μm PES Cartridge Filters
0.45 μm MCE Single-Layer Cartridge Filters
High-Performance PP Clarification Filters
0.2/0.45 μm PSF Membrane Filters

Liquid Sterile Filtration

Sterilizing-Grade PES Filters (0.45 μm / 0.2 μm)
High-Throughput Sterilizing-Grade PES Filters (0.2+0.2 μm / 0.45+0.2 μm)
High-Retention Sterilizing-Grade PES Filters (0.2+0.1 μm)

Gas and Non-Aqueous Sterile Filtration

0.2 μm Sterilizing-Grade PTFE Gas Filters
0.2 μm Radiation-Resistant PES Gas Filters
0.2 μm Sterilizing-Grade PTFE Gas Disc Filters

Laboratory Filtration

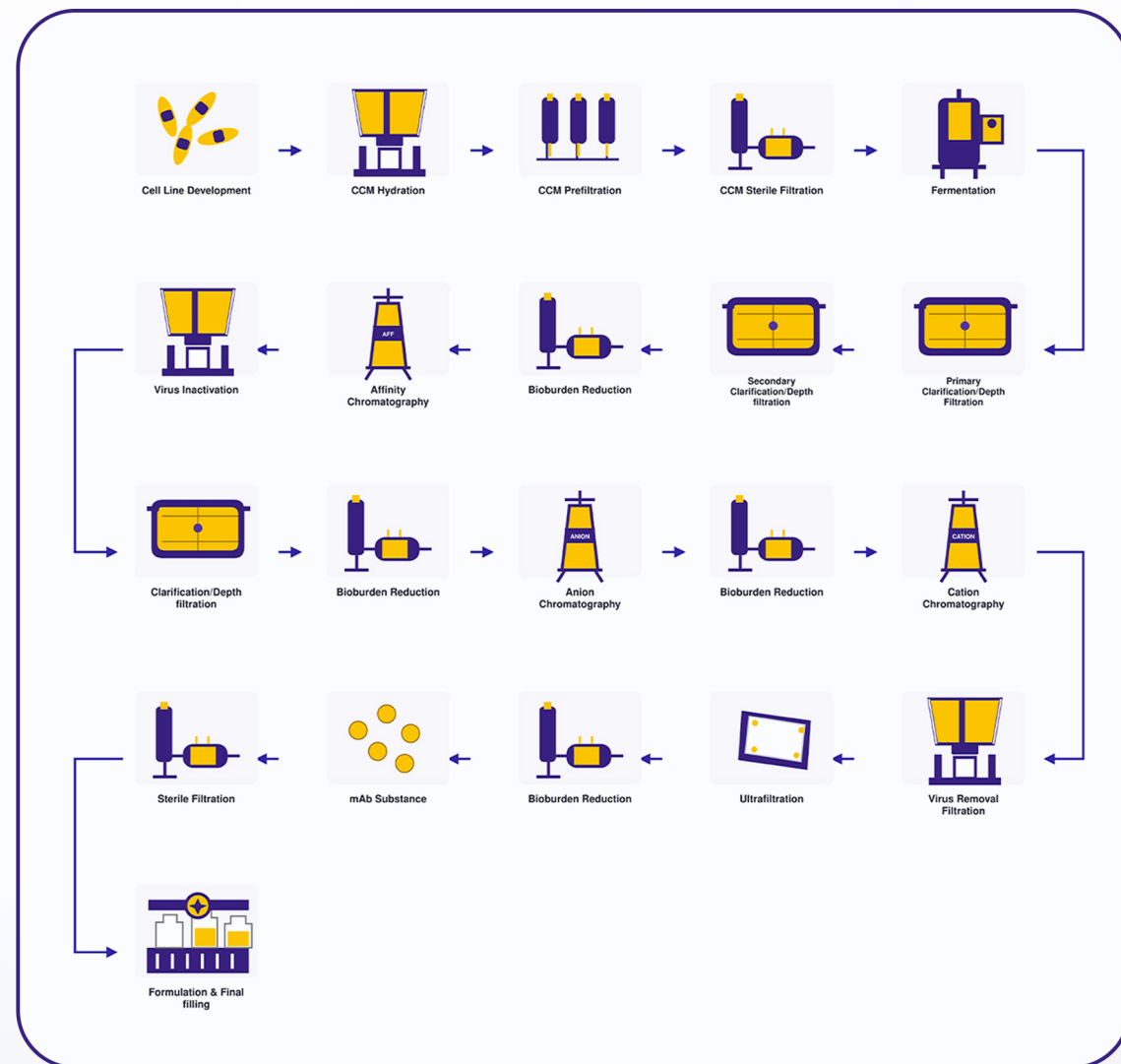
Disposable Vacuum Filtration Devices
Membrane Filters
0.2 μm Sterilizing-Grade PTFE Gas Disc Filters

Hardware and Systems

Stainless Steel Depth Filter Holder M Type
Stainless Steel Depth Filter Holder P Type
Ultrafiltration Cassette Holder
High-Precision Diaphragm Pump
Stainless Steel Filter Housing
Alioth Electrical Housing Heater
Virus Filter Holder
Alioth Membrane Holder
Manual Ultrafiltration System
Loading Test Device by Constant Pressure Model

Validation Services

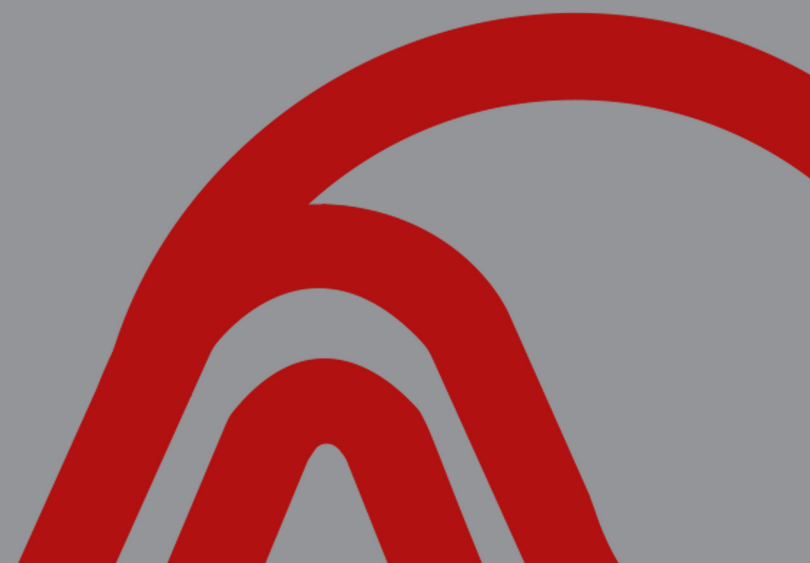
Validation Services



BRAYDEN SCIENCE

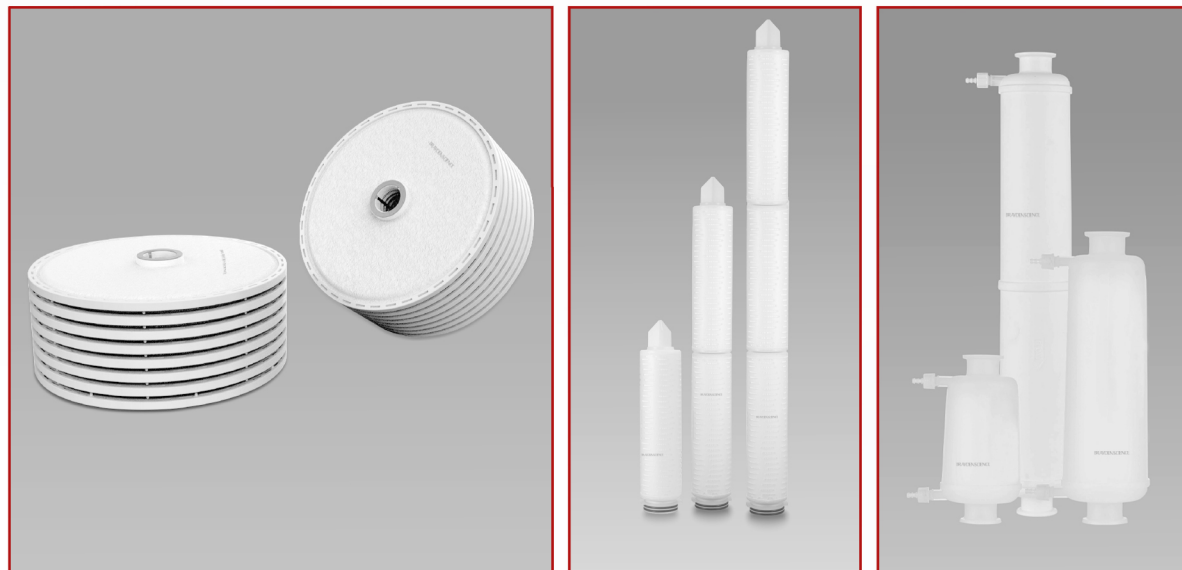
Biotech & Pharmaceutical

BRAYDEN SCIENCE, is a specialized manufacturer of filters and resins for the pharmaceutical and biotechnology industries. Its products are designed and manufactured for the separation, filtration, and purification of pharmaceutical and biological materials, with a focus on high purity, consistent performance, and precise process control. Our goal is to provide reliable and efficient solutions tailored to the specialized requirements of pharmaceutical production lines and research centers.

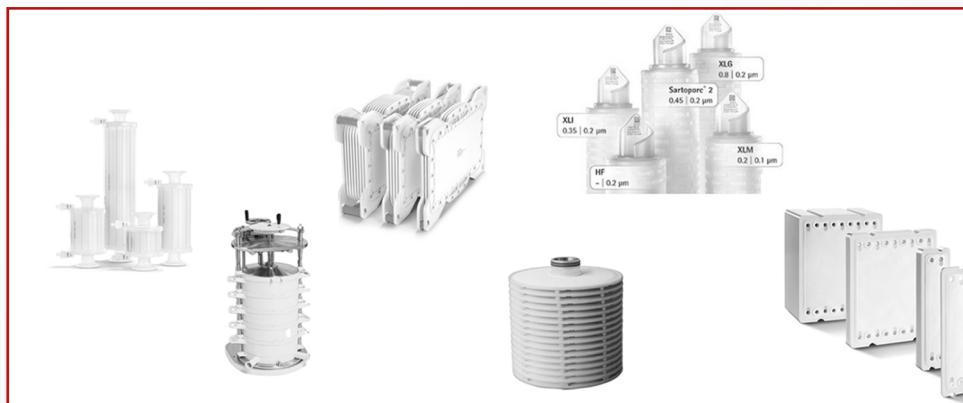


ALL TYPES OF FILTERS

- POLYTETRAFLUOROETHYLENE (PTFE)
- CELLULOSE ACETATE(CA)
- POLYETHERSULFONE (PES)
- GLASS FIBER MEMBRANE (GF)
- CELLULOSE NITRATE (CN)
- POLYVINYLIDENE FLUORIDE (PVDF)



- High retention efficiency, fast flow and low flow differential pressure
- High thermal stability: compatible with multiple times of steam-in-place and autoclave sterilization
- No fiber releasing
- Robust with stable performance
- Pore size: 0.1 μm / 0.2 μm / 0.5 μm / 1.0 μm / 3.0 μm / 5.0 μm / 10.0 μm / 20.0 μm / 50.0 μm
- Flexible options in filter format and specs: Cartridge, Capsule and Disc
- Traceable with unique code on each filter





Technology in the Service of Precision.

*a Clear Vision
for Biotechnology*

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Shahid Dr. Bahonar St., Niavaran, Tehran, Iran.

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