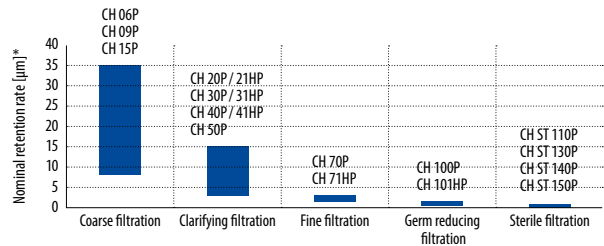


Microfiltration systems for the biologics,
pharmaceutical, cosmetics and natural
ingredients industries

Depth filter media

Pharma grade filter sheets



* Nominal retention values of filter sheets are relative. Actual process conditions influence the effective removal performance.

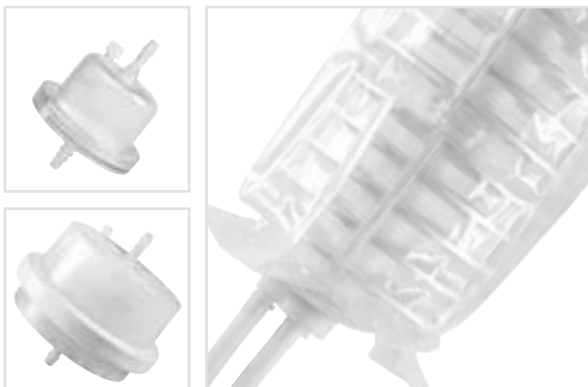
- PURAFIX® P filter sheets
 - Extremely pure, low ion and low pyrogen level
 - Retention rates between 35 µm–0.04 µm
- SYNTHAFIX™ PF P filter sheets
 - With synthetic fibers incorporated
 - Extreme stability
- CARBOFIL™ activated carbon filter sheets
 - Various grades available
 - Custom made sheets with your AC grade on request
- Batch certification / comprehensive validation guide

FILTRODISC™ lenticular filter modules



- Filtration in a closed system (DISCSTAR™ filter housing)
- Available in all filter sheet grades (PURAFIX® P, SYNTHAFIX™ and CARBOFIL™)
- High particle retention capacity
- No drip loss
- Solid core, easy handling and maximum safety
- Available with all common adapters (flat gasket adapter DOE and double O-ring / bayonet adapter DOR)
- Available in 12" and 16"
- Different numbers of cells (3–17) available
- High temperature version up to 180°C available (FILTRODISC™ HT/UHT)
- Completely conductive module available, without metal strips, for use in ATEX zones (FILTRODISC™ CD)
- Plastic parts in polypropylene (standard) or polyamide
- Short version available (polypropylene only)

FILTRODISC™ BIO SD disposable solution for cell removal (midstream processing)



- Scalable from lab to process
- Fully disposable
- Very small dead volume
- Can replace centrifuge or acoustic separation system and combine it with the first depth filtration step
- Highly adaptive to customer requirements (build your own depth filter)
- Adaptable to all common single-use systems; all common connectors available
- Removal of cells and impurities in one step
- Well-known and accepted technology
- Reduction of cost and downtime

Filter equipment

NOVOX® OD, CP and ST plate and frame filters



- Plates and frames from 200 x 200 mm up to 1200 x 1200 mm
- Special sizes and custom-made solutions upon request
- Filter elements in stainless steel (AISI 316 L), PP, PVDF
- Cake frames in different sizes for different cake volumes
- Available with manual hydraulic / pneumatically or electrically operated hydraulic closing system
- Explosion-proof systems available (ATEX)
- Filter package with or without gaskets available
- Certificates for pharmaceutical applications
- Multiple options (e.g. skid system, integrated pumps, etc.)

DISCSTAR™ lenticular module filter housings



- For all common lenticular filter modules
- Easy handling
- All wet parts are stainless steel AISI 316 L
- From 1 to 4 high, single stack or multi-stack housing (up to 16 modules in one housing)
- For 12" and 16" modules
- Up to 10 bar / 145 psi with pressure vessel certificate
- Up to 140°C / 285°F
- Certificates for pharmaceutical applications
- Temperature-controlled systems
- Multiple options (skid systems, custom-made solutions, etc.)

FILTROX Academy



FILTROX Academy

- Filtration seminars
- Individual training sessions
- Filtration audits

Process development and optimization

- Laboratory trials
- Field tests
- Scale-up support
- Validation support
- Process development support

Services

- Spare part service
- Upgrade of existing equipment
- Customer service



FILTROX. MICROFILTRATION FOR VALUABLE LIQUIDS.

As a global market leader in microfiltration, FILTROX offers complete solutions for filtration of high value liquids.

We are experts in development, manufacturing and supply of Swiss top quality products for a wide range of applications in pharmaceuticals, biotechnology, chemicals and cosmetics as well as in food and beverage. Since 1938, we have been developing and manufacturing both filter

media as well as filtration equipment in-house. Based on this experience, we can offer our customers a complete range of products.

FILTROX's worldwide distribution network and comprehensive technical support will help you optimize your filtration process.

Visit us online at www.filtrox.com for more information.

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