FIBRAFIX®
Filter sheets

Standard sizes: 200, 400, 600 mm

Square / Round | Specific cut-outs

Special formats and dimensions on request

FIBRADISC®
Filter modules

Ø 12" | Ø 16" | Lenses: 16 (reduced number on request)

HT (high temperature version)

PLUS 2 (back flushable version)

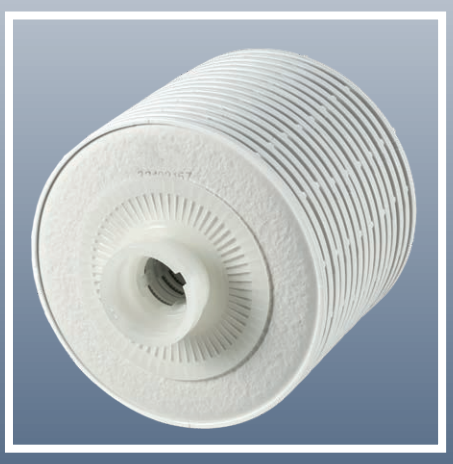
TYPES	COARSE FILTRATION					FINE FILTRATION							STERILE FILTRATION				
AF		09		11	17	21	31	41		71		101	110	120	130	140	
XS (specifically for spirits)						40		70	80	90		100	110				
SY (with synthetic fibers)							30		50			100		120			

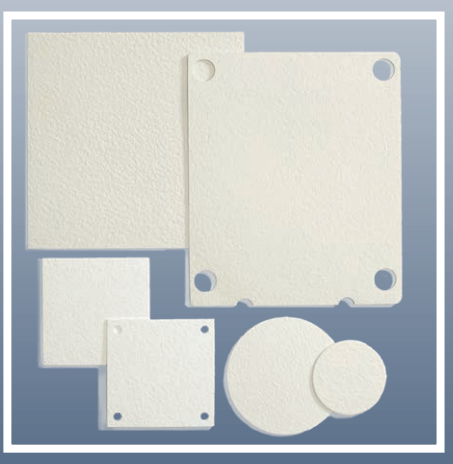
Note: All filter sheet types and grades are also available as filter modules.

Additional filter media from this product line					
FIBRACAP®	Capsule for lab trials	2"			

Note: FIBRACAP® are availabe with different above mentioned FIBRAFIX® grades inserted.







Technical Data Sheet

FIBRAFIX® SY

DEPTH FILTER SHEETS WITH SYNTHETIC FIBERS

Description

High quality depth filter sheets reinforced by synthetic fibers.

- Higher wet strength
- Higher flow rates
- Greater resistance against pH
- Less absorption of color
- Longer lifetime

compared to standard filter sheets.

Components

Purified and bleached cellulose from sustainable sources, natural filter aids, synthetic fibers, wet strength agent.

Formats

All standard sizes and tailored formats are available.

Product Range

Grade	Retention rate [µm]	Water value[1] [L/m²×min]	Thickness [mm]	Ash content [%]	Filtration type
SY 30	5.0 – 12.0	421 – 758	3.2 – 3.6	34.0 – 40.0	Fine
SY 50	3.0 – 6.0	225 – 393	3.2 – 3.6	36.0 – 42.0	Fine
SY 100	0.6 – 1.5	140 – 253	3.2 – 3.6	33.0 – 39.0	Fine
SY 120	0.4 – 0.7	66 – 86	3.6 – 3.9	36.0 – 42.0	Sterile

[1] Δp = 100 kPa, the indicated water value is not related in any way to the actual filtration flow rate.

Bacterial Retention

Grade	Bacterial species	Number of cells	LRV
SY 120	Serratia marcescens	$1.0 \times 10^7/cm^2$	> 6

Operating Conditions

Parameter	Recommendation
Maximum differential pressure	2.5 bar / 36 psi
Maximum differential pressure for sterile filtering sheets	1.5 bar / 21 psi
Rinsing volume	50 L/m²
Sterilization	Water 85 °C / Steam 125 °C

Chemical Stability

Substance	[%]	°C 20	°C 80	Substance	[%]	°C 20	°C 80	Substance	[%]	°C 20	°C 80
NaOH	1.0	r	r	HCl	5.0	r	lr	SO_2	0.1	r	-
NaOH	2.0	r	lr	HNO_3	5.0	r	lr	Acetic acid	20.0	r	r
H_2O_2	1.0	r	lr	H_2SO_4	10.0	r	lr	Ethanol	80.0	r	r
Peracetic ac.	1.0	r	lr	Citric acid	10.0	r	r	Butanol	80.0	r	r

r = resistant, lr = limited resistance. This table is for guidance purposes only.

Quality Assurance

Certified to:
- ISO 9001 (quality management)
- ISO 14001 (environmental management)
- ISO 22000 (food safety)
- Kosher standard

Compliant to:
- Recommendation XXXVI/1 of the German Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR)
- FDA (US Food and Drug Administration) 21 CFR 177.2260 e-k
- EU-Directive 10/2011
- USP Class VI

Packaging and Storage

Filter sheets are hygienically shrink-wrapped and packaged in cardboard boxes. They must be stored in their original packaging in a dry, odorless and well-ventilated area. The sheets should be used within 36 months for life science and 60 months for food and beverages from the date of manufacture.

Disposal

The respective official regulations for disposal must be followed depending on the filtered product. Uncontaminated sheets can be disposed of as non-hazardous waste.

Remarks

The validity of the information cannot be guaranteed for every application. All information is based on current knowledge and does not claim to be complete. No liabilities can be derived from this information. FILTROX reserves the right to make changes in the course of technical improvements.

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