



VERSAFIX® XE

DEPTH FILTER SHEETS

Description Depth filter sheets for the removal of particles from liquids to suit a wide range of applications.

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

Formats All standard sizes and tailored formats are available.

Product Range

Grade	Retention rate [µm]	Water value ⁽¹⁾ [L/m ² ×min]	Thickness [mm]	Ash content [%]	Filtration type
XE 03	> 35.0	1437 – 2554*	2.8 – 3.2	< 1.0	Coarse
XE 05	15 – 35	1642 – 2918*	3.4 – 3.9	< 1.0	Coarse
XE 07	8.0 – 20	1119 – 1989	3.5 – 4.0	22.0 – 28.0	Coarse
XE 08	4.0 – 10	326 – 489*	2.1 – 2.3	30.0 – 37.0	Coarse
XE 10	10 – 30	945 – 1671	3.5 – 4.0	14.0 – 22.0	Coarse
XE 14	8.0 – 20	811 – 1385	3.5 – 4.0	22.0 – 28.0	Coarse
XE 24	6.0 – 15	485 – 885	3.5 – 4.0	34.5 – 41.5	Fine
XE 34	4.0 – 9.0	315 – 580	3.5 – 4.0	38.0 – 46.0	Fine
XE 44	3.0 – 6.0	240 – 505	3.5 – 4.0	38.0 – 46.0	Fine
XE 64	1.5 – 3.0	191 – 351	3.5 – 4.0	38.0 – 46.0	Fine
XE 94	0.6 – 1.5	111 – 191	3.5 – 4.0	40.0 – 48.0	Fine
XE 104	0.5 – 0.8	55 – 105	3.5 – 4.0	46.0 – 54.0	Fine

⁽¹⁾ Δp = 100 kPa, *) Δp = 30 kPa. The indicated water value is not related in any way to the actual filtration flow rate.

Operating Conditions

Parameter	Recommendation
Maximum differential pressure	2.5 bar / 36 psi
Rinsing volume	50 L/m ²
Sterilization	Water 85 °C / Steam 125 °C

Chemical Stability

Substance	[%]	°C		Substance	[%]	°C		Substance	[%]	°C	
		20	80			20	80			20	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	Acetone	conc	r	r
H ₂ O ₂	1.0	r	lr	H ₂ SO ₄	10.0	r	lr	Ethanol	80.0	r	r
Peracetic ac.	0.1	r	lr	Citric acid	10.0	r	r	Methanol	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)
 - 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

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 60 months 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.



VERSADISC® XE

LENTICULAR FILTER MODULES

Description Lenticular modules containing VERSAFIX® XE depth filter sheets for the removal of particles from liquids to suit a wide range of applications.

Module Version Standard: Standard lenticular module

Components
 Filter Sheet: Purified and bleached cellulose from sustainable sources, natural filter aids, wet strength agent
 Standard Module: Polypropylene
 Gaskets: Silicone sealing gasket (optionally EPDM, FKM, NBR)

Dimensions	12" K		12"		16"	
	DOE	DOR	DOE	DOR	DOE	DOR
Adapter type ⁽¹⁾	DOE	DOR	DOE	DOR	DOE	DOR
Height [mm]	132	178	272	330	272	330
Filtration area [m ²]	0.6	0.7	1.8		3.6	
Number of lenses	5	6	16		16	
Dry/wet weight ⁽²⁾ [kg]	2.0 / 3.5		4.4 / 8.5		8.6 / 17	
Diameter [mm]	290		290		400	

⁽¹⁾ DOE: Double Open End (flat adapter), DOR: Double O-Ring (plug-in adapter), ⁽²⁾ indicative values.

VERSADISC® XE Product Range

Sheet grade	Retention rate [µm]	Water value ⁽³⁾ [L/m ² ×min]	Ash content [%]	Filtration type
XE 03	> 35.0	1437 - 2554*	< 1.0	Coarse
XE 05	15 - 35	1642 - 2918*	< 1.0	Coarse
XE 07	8.0 - 20	1119 - 1989	22.0 - 28.0	Coarse
XE 08	4.0 - 10	326 - 489	30.0 - 37.0	Coarse
XE 10	10 - 30	945 - 1671	14.0 - 22.0	Coarse
XE 14	8.0 - 20	811 - 1385	22.0 - 28.0	Coarse
XE 24	6.0 - 15	485 - 885	34.5 - 41.5	Fine
XE 34	4.0 - 9.0	315 - 580	38.0 - 46.0	Fine
XE 44	3.0 - 6.0	240 - 505	38.0 - 46.0	Fine
XE 64	1.5 - 3.0	191 - 351	38.0 - 46.0	Fine
XE 94	0.6 - 1.5	111 - 191	40.0 - 48.0	Fine
XE 104	0.5 - 0.8	55 - 105	46.0 - 54.0	Fine

⁽³⁾ Δp = 100 kPa, *) Δp = 30 kPa. The indicated water value is not related in any way to the actual filtration flow rate.

Operating Conditions

Parameter	Recommendation
Maximal differential pressure	2.4 bar / 35 psi
Rinsing volume	50 L/m ²
Maximum temperature (continuous)	82 °C
Maximum temperature (short term)	90 °C
Minimum temperature	-5 °C
Sterilization	Hot water or chemically

Chemical Stability

Substance	[%]	Media	PP	Gasket material			
				MVQ	EPDM	FKM	NBR
NaOH	1.0	r	r	r	r	lr	r
HCl	5.0	r	r	lr	lr	r	lr
HNO ₃	5.0	r	r	nr	lr	r	nr
H ₂ SO ₄	10	r	r	nr	lr	r	nr
Citric acid	10	r	r	r	r	r	r
Acetic acid	20	r	r	nr	lr	r	nr
Peracetic ac	1.0	r	r	r	lr	lr	lr
Acetone	conc	r	lr	lr	r	nr	nr
Ethanol	80	r	r	lr	r	r	nr
SO ₂	0.1	r	r	r	r	r	nr

r = resistant, lr = limited resistance, nr = not resistant, at 50°C. 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 modules are hygienically packed in plastic bags and placed in cardboard boxes. They must be stored in their original packaging in a dry, odorless and well-ventilated area. The modules should be used within 60 months from the date of manufacture.

Disposal

The respective official regulations for disposal must be followed depending on the filtered product. Untaminated modules 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.