

THE FILTRATION MANUFACTURER



ULTRASHEET

7 DIFFERENT SERIES



Kronsbein ultrafilter®

ULTRASHEET

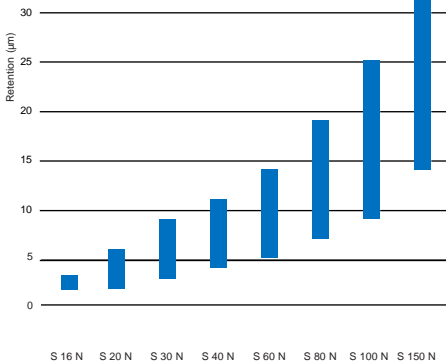
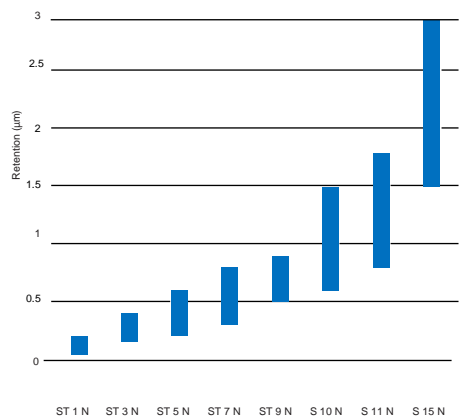
The depth filter sheets are made from health-safe raw materials, especially various types of cellulose, high quality diatomaceous earth and pearlites. The filter sheets are basically three-dimensional depth filters which contain adsorbents – compounds with a large internal surface. The filtration mechanism involves various ways of particle trapping and the resulting filtration effect is a combination of them. It consists of mechanical filtration, electrostatic adsorption and electro-kinetic adsorption. More detailed specifications of ULTRASHEET depth filter sheets of the “N” series are listed below.

Specifications of ULTRASHEET filter sheets “N” series:

Type	Flow rate (l/m ² /min@100kPa)	Approximate nominal retention (µm)	Thickness (mm)	Bacterial retention (LRV)	Maximum recommended differential pressure (bar)
ST 1 N	13	0.1	4.0	8	1.20
ST 3 N	32	0.2	3.8	8	1.20
ST 5 N	56	0.3	3.8	7	1.20
ST 7 N	94	0.4	3.8	6	1.20
ST 9 N	115	0.6	3.8	5	2
S 10 N	151	0.8	3.6	na	2
S 11 N	131	1.0	3.8	na	2
S 15 N	205	2.0	3.6	na	2
S 16 N	228	2.0	3.8	na	2
S 20 N	257	3.0	3.6	na	2
S 30 N	298	4.0	3.6	na	3
S 40 N	480	5.0	3.6	na	3
S 60 N	800	6.0	3.6	na	3
S 80 N	1233	8.0	3.6	na	3
S 100 N	1025*	11.0	3.3	na	3
S 150 N	1950*	25.0	3.3	na	3

* l/m²/min@30kPa

Graph of indicative nominal retention of ULTRASHEET filter sheets “N” series:



Typical applications:

-  Filtration in pharmaceuticals and biotechnology
-  Wine Filtration
-  Beer Filtration
-  Spirits Filtration
-  Non-alcoholic beverages
-  Filtration in chemistry, biochemistry and cosmetics
-  Food and dairy filtration

ULTRAFILTER offers the following range of ULTRASHEET depth filter sheets:

- Series “N” is a standard series which is used in all regular applications of filter sheets.
- Series “NT” is a technical series of filter sheets designed especially for high-flow technical applications.
- Series “R” is a special series of sorption filter sheets used in food filtration, mainly for filtration of gelatine.
- Series “O” series is a special series of filter sheets for oil filtration.
- Series “C” are filter sheets with very low level of extractable ions (e.g. calcium) frequently used for cognac, brandy and whiskey filtration.
- Series “AC” are filter sheets containing activated carbon designed to remove color and odor from liquids.
- Series “DZ” are support sheets for precoating the diatomaceous earth.

Standard dimensions and packaging of ULTRASHEET filter sheets:

Sheet size	Package	Cardboard box		Palette	
	pcs	Number of packages	pcs	Cardboard boxes	pcs
200 x 200 mm	20	20	400	24	9600
400 x 400 mm	25 (30)*	4	100 (120)*	24	2400 (2880)*
600 x 614 mm	25 (30)*	2	50 (60)*	20	1000 (1200)*

* Series “NT”

ULTRASHEET filter sheets are manufactured within a controlled quality system ISO 9001 and ISO 14001 and the AIB audit food quality system. The products comply with national, European and American (FDA) standards defining products intended for contact with food. If necessary, request the relevant declaration of conformity or specific certificates.