

RELIABLE FILTRATION



HOBRAFILT[®]

DEPTH FILTER SHEETS

HOBRA ŠKOLNÍK

FILTER MEDIA
FILTER EQUIPMENT AND TECHNOLOGY

PORE FILTRATION

HOBRAFILT®

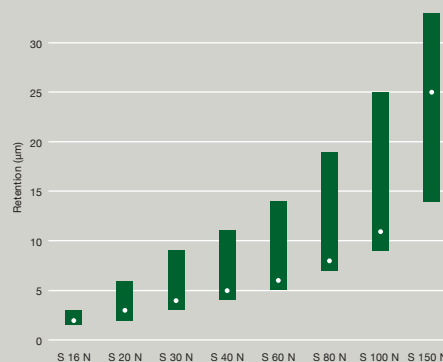
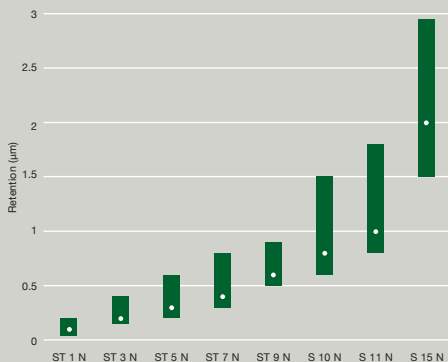
The depth filtersheets are made from health-safe raw materials, especially various types of cellulose, high quality diatomaceous earth and pearlites. The filtersheets are basically three-dimensional depth filters which contain adsorbents – compounds with a large internal surface. The filtration mechanism 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 HOBRAFILT® depth filtersheets of the “N” series are listed below.

Specifications of HOBRAFILT® filtersheets “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	1,233	8.0	3.6	na	3
S 100 N	1,025*	11.0	3.3	na	3
S 150 N	1,950*	25.0	3.3	na	3

* l/m²/min@30kPa

Graph of indicative nominal retention of HOBRAFILT® filtersheets “N” series:



Typical applications:



Wine filtration



Filtration in pharmaceuticals and biotechnology



Beer filtration



Filtration in chemistry, biochemistry and cosmetics



Filtration of alcoholic and non-alcoholic beverages



Food filtration

Hobra offers the following range of HOBRAFILT® depth filtersheets:

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

Standard dimensions and packaging of HOBRAFILT® filtersheets:

Sheet size	Package	Cardboard box		Palette	
	pcs	Number of packages	pcs	Cardboard boxes	pcs
200 x 200 mm	20	20	400	24	9,600
400 x 400 mm	25 (30)*	4	100 (120)*	24	2,400 (2,880)*
600 x 614 mm	25 (30)*	2	50 (60)*	20	1,000 (1,200)*

* Series “NT”

HOBRAFILT® filtersheets are manufactured within a controlled quality system ISO 9001 and ISO 14001 and the AIB audit food quality system. The products are in compliance 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.