



AEB FILTER SHEETS

Wide range of high quality filter sheets for all sectors





→ TECHNICAL DESCRIPTION

AEB produces a **wide range of filter sheets**, enabling to **satisfy all filtration needs in the alimentary field**. They are available in **all the main dimensions** used on the market, with **all porosities** needed to solve all kind of problems related to clarification.

→ MAIN FEATURES

- **Microbiologically reliable**
- The interaction between sieve effect and adsorption is equilibrated, and this enables **minimum colour losses**
- They are built with **high quality raw materials**, with a low content of transferable ions
- They are **food grade and in accordance with international regulations**
- They have a **solid structure** and are mechanically stable and resistant
- They are **easy to be used** and are **easily removable** from the plate
- In systems with hydraulic closing, they **significantly reduce the dripping**

→ COMPOSITION AND STRUCTURE

Thanks to their composition, they can be classified as **depth filters comparable** to a very thick sieve, with very fine channels and infinite ramifications. The ratio empty/full is of about 80%. The liquid to be filtered slowly circulates through these channels. Along their way, solid particles and microorganisms remain trapped in the matrix and the electro kinetic potential, or ZETA potential, supports and completes the mechanical sieve effect through the adsorption.

→ FILTER SHEETS TYPES

AEB filter sheets	Permeability of AEB sheets in L/m ² /minute	Nominal micrometric retention µm	Max ΔP filter input and output
300 XL	785	5,0-8,0	Max 3 bar
500 L	510	2,5-5,0	Max 3 bar
700 L	213	1,5-3,5	Max 3 bar
1100 Steril	113	0,7-1,0	Max 1,5 bar
1400 Steril	40	0,2-0,4	Max 1,5 bar

→ FIELDS OF APPLICATION

The filter sheets are being used for years with excellent results in the following fields:

Alimentary

- Filtration of beverages
- Filtration of liquors
- Filtration of white, red and liqueur wines
- Filtration of distillates
- Filtration of vinegar
- Filtration of olive oil

Chemical

Pharmaceutical

Cosmetics

Wine

Fields of application	Suggested AEB filter sheets
After the clarification with sedimentation	300XL-500L-700L
For the tight filtration before the sterilization of wines with residual sugars	1100 Steril
For the final filtration during bottling	1400 Steril

Fruit juices

Fields of application	Suggested AEB filter sheets
After the clarification of clear juice	300XL
For the final filtration during warm bottling	1100 Steril

Liquors

Fields of application	Suggested AEB filter sheets
Distillates Brandy, Whisky Rum Fruits spirits Grappa Vodka Gin Bitter	300XL 300XL-500L-700L 1100 Steril 1100 Steril 300XL-500L-700L 300XL-500L-700L 300XL
Liquors with herbs with fruits with spices	300XL-500L-700L