

ACETI

VINEGAR FILTRATION

Vinegar clarification

ABOUT LIMPIDITY

Limpidity is the first quality consumers request in vinegars. Haziness or deposit in bottles are immediately perceived by consumers as signs of product alteration.

The particles (suspensoid or colloid) responsible for haziness in vinegars are not passives and limpidity and clarification phenomena mostly depends on the electric charge of these particles.

PLATE FILTRATION

Standard range depth filter pads from BECO are used for the delicate filtration of liquid. This range has a continuous gradation with a separation range of 4.0 μm to 0.1 μm , which ensures a very precise adaptation and meets all requirements.

The specific advantages of the standard BECO range:

- Reliable retention of compounds to be separated thanks to an ideal porous structure.
- High level of clarification thanks to the utilization of high quality raw materials.
- Extended lifetime thanks to the high retention capacity of the particles.
- Quality of all raw materials and adjuvants guaranteed.
- Controls performed during production ensure a constant quality.

PLATE FILTRATION

■ Sterile filtration

BECO Steril S 100, Steril S 80, Steril 60, Steril 40

The depth filter pads from BECO have a high germ retention capacity. These types of pads are particularly suitable for vinegar bottling or cold storage of liquids. The fine alveolar structure of the depth filter pad from BECO and its adsorptive electrokinetic potential allow to obtain a high level of germ retention.

Thanks to the high adsorption capacity of the colloidal compounds, the pads can be used as pre-filters before membrane filtration.

■ Fine filtration to reduce the amount of germs

BECO SD 30, KDS 15, KDS 12, KD 10, KD 7, KD 5

The depth filter pads from BECO allow to achieve a high level of clarification. These types of pads efficiently retain the finest particles and decrease the concentration of germs. Thus, they are particularly suitable for storage without hazes.

■ Clarifying filtration

BECO KD 3, KD 2, KD 1

The depth filter pads from BECO have a significant alveolar structure. These types of filter pads efficiently adsorb the particles responsible for haziness and are particularly suitable for light clarifying filtration.

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FILTRATION WITH KIESELGUHR (Also called diatomaceous earth, or D.E.)

Kieselguhr or diatomite is a sedimentary rock containing a high amount of hydrated amorphous silica shells produced by diatoms.

Diatoms are microscopic algae from the brown algae family. The cellulose membrane of their cell binds the silica dissolved in the water leading to the most diverse shapes and dimensions.

Commercial Name	Code article	Bags of :	Permeability (Darcy)
PRIMISIL 141	PRIMI0000	25kg	0.049
PRIMISIL 241	PRIMI0001	25kg	0.13
PRIMISIL 511	PRIMI0002	25kg	1.04
PRIMISIL 741	PRIMI0004	25kg	2.1
CELITE 545	CELIT0001	22.7kg	4
CELITE 555	CELIT0002	22.7kg	6.8
HYFLO SUPERCEL	HYFLO0000	22.7kg	1.3
STANDARD SUPERCEL	STAND0000	22.7kg	0.2
FIBRACEL 7FP (ENCOLLAGE)	FIBRA0000	20kg	