



# eSan-Filterbeutel (eSan filter bag)

## Product description

The eSan filter bag is used in addition to the eSan filter cloth for processing small volumes of sediment. The filter bag's specific weave means it can also be used to process double salt deacidification sediment and for preclarification of smaller volumes of Eiswein must.

## Characteristics

The eSan filter cloth consists of a polypropylene monofilament with a very open weave. The monofilament weave reliably retains the sediment particles and filtration aid. The special weave has the lowest possible dynamic resistance. When pressing it is therefore possible to achieve a proportionally high product yield at a relatively low press pressure of 3 - 4 bar. Like the eSan filter cloth, the eSan filter bag is also very easy to clean, therefore ensuring a high level of hygiene.

## Materials

Only materials which are safe for use with food are used in the product's manufacture:

Components	Material
Filter cloth material	Polypropylene
Thread	Polypropylene
Strengthening and carrying strap (only for eSan filter bag B with 250 L capacity)	Polyester

## Formats

The eSan filter bag is available in two sizes:

Item description	Capacity	Dimensions
eSan filter bag <small>Standard</small>	50 L	Diameter 350 mm; height 1.1 m
eSan filter bag <small>Big</small>	250 L	Diameter 480 mm; height 1.8 m

The capacity and dimensions of both filter bags have been tailored to practical requirements. The filter bags are ideally closed with an elasticated cord.

A carrying strap is sewn onto the 250 L capacity filter, around the bag. There are two loops at the top and a loop at the bottom for suspending the bag from forklift runners. These help when filling and emptying the relatively large and heavy filter bag.

## Use

The use of filtration aids is recommended when processing smaller volumes of must sediment from settling or flotation during wine making. It is also recommended when processing fining sediment. Mixing specifically developed filtration aids into the sediment ensures adequate drainage. Good drainage is required in conjunction with the eSan filter bag because the presses work at a relatively low pressure of 3 - 4 bar (compared to filter presses which work at pressures of 6 - 15 bar) but rapid processing and a high product yield are still required. It is extremely easy to use the eSan filter bag:

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1. Mix the filtration aid into the sediment. We recommend the following quantities of filtration aid, based on 100 L of sediment:

Sediment type	Mix into 100 L sediment
Sediment in must from sedimentation or flotation	1.5 kg VarioFluxx <sup>®</sup> P + 1 kg Trub-ex
Fining sediment (predominantly bentonite sediment)	4 kg VarioFluxx <sup>®</sup> P + 1 kg Trub-ex
Double salt deacidification sediment	No filtration aid required
Preclarification of Eiswein must	1 kg VarioFluxx <sup>®</sup> P + 0.5 kg Trub-ex

2. Place the empty eSan filter bag in the hydropress (or other press).
3. Pour the filtration aid/sediment mixture into the eSan filter bag.
4. Return the filtrate free run to the eSan filter bag as applicable, to improve the turbidity value.
5. Fasten the eSan filter bag using the elastic cord (cord only supplied with eSan filter bag B, 250 L capacity).
6. Close the hydropress (or other press) and apply pressure.
7. Start the pressing process.

## Pressing aids

Pressure is to be applied to the filled eSan filter bag to press the contents and achieve a viable yield. The following equipment and aids can be used:

- Hydropress (ideal for eSan filter bag S, 50 L capacity)
- Grape press (preferably for eSan filter bag B, 250 L capacity)
- Vats weighed down with water
- Depofil filter framework

## Cleaning and temperature

### Daily cleaning with water:

The eSan filter bag can be effectively cleaned with a weak water jet.

### Deep cleaning using chemicals:

Chemical cleaning is only necessary at the end of the season, before the eSan filter bag is stored away.

Chemical cleaning can be used for deep cleaning after the filter cloth has first been cleaned by water jet. We recommend using a sodium hydroxide solution (caustic soda) or a 2 % filter cloth cleaning solution at a maximum temperature of 70 °C. A 2 % hydrogen peroxide solution can also be used to improve the cleaning effect. If hydrogen peroxide is used we recommend reducing the caustic soda temperature to a maximum of 40 - 50 °C. The cleaning agents should then be neutralised with clean water.

The eSan filter bag should not be washed in a washing machine as this can damage the fabric structure.

## Storage

The eSan filter bag must be thoroughly dried and stored in a dry, odour-free place. Avoid storing the eSan filter bag in direct sunlight.

## Quality

The eSan filter bag is manufactured according to a certified quality management system as per DIN EN ISO 9001.

## VarioSan process

Like the eSan filter cloth, the eSan filter bag is particularly effective in conjunction with the VarioFluxx<sup>®</sup> P filtration aid for mixing. Together they achieve specific technical advantage. Detailed information about this combined method (VarioSan process) can be obtained direct from Erbslöh Geisenheim GmbH or your dealer.



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