

## Lenntech high performance filter bag HE

Lenntech bag filters are excellent for use in the filtration of liquids containing higher concentrations of coarse solids. They are particularly beneficial when handling batches of (various) liquids. They are also especially suitable for end filtration or polishing of liquids with extremely low concentrations of solids. The absolute rated **Lenntech** high performance filter bags are mainly used for the demanding high end of bag filter applications.

### Features

- The HE filter bags have defined efficiencies (absolute rated).
- All **Lenntech** HE filter bags incorporate unique graduated layering of media: starting with a built-in pre-filter inner layer and progressing to the tighter microfibre outer layers. The particles are systematically removed as fluid flows through multiple layers with each individual layer performing a special function. This graduated layering design aids in the prevention of premature blocking which causes unnecessary filter change out.
- All **Lenntech** HE filter bags have superior dirt holding capacity.
- The standard **Lenntech** filter bags are sized to fit into our baskets and housings, but will also fit into most other housings.

### Bag filter housing

Lenntech supplies a wide range of bag filter housings in different materials, dimensions and models to meet your demands.

For detailed information about bag filter housings, please see the respective data sheets or visit [www.lenntech.com](http://www.lenntech.com)



### Typical applications

- Paints and coatings
- Food and Beverages
- Process water
- General chemical
- Produced water from gas drilling
- Gel-like particles

### Types

- The **Lenntech** HE bags are high efficiency filter bags. All **Lenntech** HE filter bags have unique graduated layering of filtration media.
- The HE filter bags come in four different efficiency ranges: 92 %, 95 %, 97% and 99 %.
- Each range is available in five different micron rating: 1, 3.5, 5, 10 and 25 µm.

### Sealing system

In order for bag filters to function properly, especially with smaller pore sizes, a good seal between bag and support basket is of great importance. For this reason **Lenntech** has two options:

- The Snap-Collar; a felt-covered metal ring which clicks neatly into the upper collar of the support basket. The felt serves as the sealing.
- The plastic flange (with handles) which tightly fits into **Lenntech** standard baskets.

The filter bag must be properly mounted into the support basket before starting the filtration process.

**Lenntech** can support you regarding the chemical compatibility of the filter media.

## Ordering information

Example: H E 9 7 - 0 3 - 2 - S S

### 1 Type

HE92	=	Polypropylene (92% efficiency range)
HE95	=	Polypropylene (95% efficiency range)
HE97	=	Polypropylene (97% efficiency range)
HE99	=	Polypropylene (99% efficiency range)

### 2 Micron rating [ $\mu\text{m}$ ]

1	=	1 $\mu\text{m}$
3	=	3.5 $\mu\text{m}$
5	=	5 $\mu\text{m}$
10	=	10 $\mu\text{m}$
25	=	25 $\mu\text{m}$

### 3 Bag dimensions

1	=	Size 1 ( $\varnothing$ 178 x 432 mm)
2	=	Size 2 ( $\varnothing$ 178 x 800 mm)

### 4 Ring/Flange

SS	=	Stainless steel AISI 304 ring (Snap-collar)
P	=	Polypropylene flange

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