

LennBag needle felt filter bag PO – PE – N – PTFE – PPS – HT

For a wide number of filtration applications **LennBag** filter bags are an easy to use and economical choice. The **LennBag** needle felt bags are mainly used where depth filtration is required. The three dimensional media provides good depth filtration characteristics and high solids loading versus two dimensional media.

Features

- Inside-out flow keeps contaminants enclosed in the bag.
- Bags are quick and easy to be exchanged.
- Filter bags and bag filter housings are usually applied in closed systems. Besides closed systems open and end-of-pipe systems are also known applications.
- The standard **LennBag** filter bags are sized to fit into our baskets and housings and will also fit into most other filter housings.
- Special sizes are available on request.
- Cost effective at lower micron ratings versus two dimensional media (mesh).
- The **LennBag** filter bags can be equipped with either a Snap-Collar seal comprising of either carbon steel, stainless steel ring or with a plastic seal flange.
- **LennBag** filter bags are designed in such a way that they reach optimal filtration performance in the pressure range where there is the best economical performance of the filtration unit. We therefore advise not to exceed 1.5 bar pressure difference.
- Bags are silicone free and are produced in a silicone free environment.
- Materials used for **LennBag** PO and PE comply with the European Regulation EC1935/2004 and EU10/2011 (Materials that come in contact with food).

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



Typical applications

- General chemical
- Food and Beverage
- Ink industry
- Process water
- Paints
- Coatings

Types

The **LennBag** needle felt bags are available as standard in polyester or polypropylene with many different micron ratings.

Other filter media materials are available on request.

Surface treatment

Polypropylene filter bags are thermally treated on the outside as standard. Thermal treatment will further minimise any possible release of fibres from the needle felt filter media. During the thermal treating process the softened fibres are bonded together on the filtrate side of the filter bag.

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 **LennBag** has two options:

- Snap-Collar; a felt-covered metal ring which clicks neatly into the upper collar of the support basket. The felt serves as the sealing.
- Plastic flange (with handles) which tightly fits into the 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 P E 0 0 0, 8 - P / S 2 - S S - W E - H S - 1 P K

1 Type

PO = Polyester
PE = Polypropylene
N = Nylon
PTFE = PTFE
PPS = PPS
HT = Nomex®

2 Micron rating [µm]

PO = 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200
PE = 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200
N, PTFE, PPS, HT = Micron rating on request

3 Finish

S = Outside thermally treated (standard for PO)
P = Plain (not for PO)
P/S = Outside thermally treated (standard for PO)

4 Bag dimensions

1 = Size 1 (Ø 178 x 432 mm)
2 = Size 2 (Ø 178 x 800 mm)
Other sizes 3, 4, 30 and 65 on request

5 Ring / Flange

S = Carbon steel ring (Snap-Collar)
SS = Stainless steel AISI 304 ring (Snap-Collar)
E = Polyester flange (for PO)
P = Polypropylene flange (Size 1, 2, 3, 4: only for PO and PE)
T = PTFE ring (Snap-Collar) (PTFE only)

6 Configuration*

WE = All welded (standard for AP and SP by size 1 and size 2)
- = For types N, PTFE, PPS, HT: standard all seams sewn
For sizes 3, 4, 30 and 65: standard all seams sewn

7 Additional handle

HS = Handle strap, from same material as needed felt
(standard: size 30, 65 for S, SS, PO)

8 Other options

1PK = Single packed in plastic bag, together in box

* If the standard fully welded filter bag is not sufficient for the required process than Lenntech has other configurations to offer. For example fully sewn (-AS). Please contact Filtration Group for support.

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