amaFlow added area filter bag AA

There are several ways to increase the capacity of a bag filter installation. Increasing filtration area and capacity by adding extra bag filters is one option, while often an added area filter bag from Filtration Group could be the solution. The added area filter bags have a filtration area which is approximately 2/3 times higher than the standard size filter bags. This leads to longer bag service life and less filter bag change out.

Features

- Changing the filter bag and handling is facilitated because less liquid can remain inside the bag. This results also in less product loss.
- Inside-out flow keeps contaminants enclosed in the bag.
- Available as standard in polyester or polypropylene extended life needled felt, as well as in polyester or polypropylene standard needled felt.
- Added area filter bags are available for Filtration Group size 2 bag filter housings, which fit into specific added area support baskets.
- The support basket for the added area bags is specially constructed to meet the requirements.
- For easy and proper mounting of the filter bags a special bag positioner is required.
- Bags are silicone free and are produced in a silicone free environment.
- Materials used for amaFlow AP and SP comply with the European Regulation EC1935/2004 and EU10/2011 (Materials that come in contact with food).

Bag filter housing

Filtration Group 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.ama-lfc.com

Typical applications

- Food and beverage industry
- Edible oils
- Proces water
- Waste water

Types

The amaFlow added area needle felt bags are available as standard in polyester or polypropylene with many different micron ratings.

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 Filtration Group 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. Snap-Collar is equipped with two handles; one on the outside part of the bag and one on the centre part.
- The plastic flange type (with handles) which tightly fits into Filtration Group standard baskets. The plastic flange has integrated handles and one on the centre part.

Surface treatment

All amaFlow PEXL, POXL, AP and SP needled felt filter bags are thermally treated on the outside as standard. This will further minimise any possible release of fibres from the needled felt filter media. During the thermal treating process the softened fibres are bonded together on the filtrate side of the bag.

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

Filtration Group can support you regarding the chemical compatibility of the filter media.
Ordering information

Example: P E X L 0 0 0 , 8 - P / S 2 - S S - H S - A A

1 Type
- AP = Polyester felt
- PEXL = Polyester extended life felt
- SP = Polypropylene felt
- POXL = Polypropylene extended life felt

2 Micron rating [µm]
- AP = 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200
- PEXL = 1; 5; 10; 25; 50; 75; 100
- SP = 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200
- POXL = 1; 5; 10; 25; 50; 75; 100

3 Finish
- P/S = Standard finish for SP + POXL (with improved outer surface: thermally treated)
- S = Outside thermally treated (AP + PEXL)

4 Bag dimensions
- 2 = Size 2 (Ø 178 x 800 mm)

5 Ring/Flange
- SS = Stainless steel AISI 304 ring (Snap-collar) (only for AP and SP)
- E = Polyester flange (for AP)
- P = Polypropylene flange (for SP)
- NE = Nexprene (option for PEXL)

6 Additional handle
- HS = Two handle straps, from same material as needled felt (P: no code)

7 Configuration
- AA = Added Area