The amaFlow pleated needle felt bags offer an increased filtration area and a dirt holding capacity resulting in extra service life compared to standard filter bags. The graded density design and the thermally set pleat design are the key features of these bags which fit into standard support baskets. These bags are particularly well suited for applications with low viscosity liquids and solid particles.

**Features**
- These filter bags are available in polypropylene needle felt filter media with vertical pleats giving both significantly increased filtration area and depth.
- Graded density design: Two felt types are co-pleated, the first pleated layer is coarser for effective solids removal and to improve the dirt holding capacity. The second pleated layer has the same micron rating as the outside felt to improve the efficiency by avoiding the premature blocking.
- Thermally set pleat design results in a rigid pleat profile, preventing the pleats from collapsing and leading to higher surface area utilisation.
- Longer service life results in lower cost for bag changes and disposal.
- Inside-out flow keeps contaminants enclosed in the bag.
- Bags are quick and easy to change-out.
- No equipment modification is necessary, as standard pleated filter bags sized to fit into our standard baskets.
- Bags are silicone free and are produced in a silicone free environment.

**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**
- Low viscosity fluids
- Solid particles
- Glycol
- Amines
- Adhesives
- Resins
- Coolants
- Cooling towers
- Down well injection
- Cutting fluid
- Plating solutions
- Coatings
- Petro-Chemicals
- Beverages
- Inks & Paints
- Fine chemical

**Types**
amaFlow SP-EP with polypropylene flange comes with all welded seams. Pleated needle felt filter bags with ring have a welded longitudinal and bottom seam with sewn rings.

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

**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. The plastic seal flange (with handles) fits tightly into our standard baskets.

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.
Chemical compatibility

Filter bag | SP-EP
---|---
Polypropylene

Max. temperature [°C] | 90
---|---
Inorganic acids | ++
Organic acids | +++
Alkalines | ++
Oxidising agents | +
Solvents | ++
Vegetable/animal oils | +++
Micro-organisms | +++

+++ = excellent
++ = good
+ = fair
- = not recommended

Ordering information

Example: S P - E P 0 0 0 , 8 - P / S 2 - P -

1 Type
SP = Polypropylene

2 Bag configuration
EP = Enhanced pleat

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

4 Finish
P/S = Outside thermally treated (standard)

5 Bag dimensions
1 = Size 1 (Ø 178 x 432 mm)
2 = Size 2 (Ø 178 x 800 mm)

6 Flange
P = Polypropylene flange

7 Other options
1PK = Single packed in plastic bag, together in box