amaFlow needle felt filter bag
AP – SP – N – TF – RT – HT

For a wide number of filtration applications
amaFlow filter bags are an easy to use and
economical choice. The amaFlow 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 amaFlow 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 amaFlow 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.
- amaFlow 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 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
- General chemical
- Food and Beverage
- Ink industry
- Process water
- Paints
- Coatings

Types
The amaFlow 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
Filtration Group 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.

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

**Example**  `A P 0 0 0, 8 - P / S 2 - S S - W E - H S - 1 P K`

1 **Type**
- `AP` = Polyester
- `SP` = Polypropylene
- `N` = Nylon
- `TF` = PTFE
- `RT` = PPS
- `HT` = Nomex®

2 **Micron rating [µm]**
- `AP` = 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200
- `SP` = 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200
- `N, TF, RT or HT` = Micron rating on request

3 **Finish**
- `S` = Outside thermally treated (standard for AP)
- `P` = Plain (not for SP)
- `P/S` = Outside thermally treated (standard for SP)

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 AP)
- `P` = Polypropylene flange (Size 1, 2, 3, 4: only for AP and SP)
- `T` = PTFE ring (Snap-Collar) (TF only)

6 **Configuration***
- `WE` = All welded (standard for AP and SP by size 1 and size 2)
- `-` = For types N, TF, RT, 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 needled 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, then Filtration Group has other configurations to offer. For example fully sewn (-AS). Please contact Filtration Group for support.