

Filter bag series AP, SP, N, TF, RT, HT

For a wide number of filtration applications Global Filter filter bags are an easy to use and economical choice. The Global Filter 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 Global Filter filter bags are sized to fit into our baskets and housings and will also fit into most other filter housings.
- Cost effective at lower micron ratings versus two dimensional media (mesh).
- Global Filter filter bags are designed in such a way that they reach optimal filtration performance. We therefore advise to exchange filter bags below 1.5 bar pressure difference.
- Global Filter filter bags maximum differential pressure: 2.5 bar.
- The filter bag must be properly mounted into the support basket before starting the filtration process. Filtration Group recommends to use a bag positioner to ensure properly position the filter bag into the support basket.
- Bags (Global Filter AP and SP) are produced in a silicone free environment.
- Materials used for Global Filter AP and SP comply with the European Regulation EC1935/2004 and EU10/2011 and comply with under applicable section of the US Food and Drugs Administration (FDA).

¹For liquids with a (dynamic) viscosity of 1 mPa.s @ 20°C. If liquid temperature is greater than 20°C and/or viscosity is greater than 1 mPa.s than the maximum pressure difference will decrease for those applications.

Ordering Information

| Type | Rating (µ) | Finish | Bag Dimension | Ring/Flange | Configuration | Additional Handle |
|---|-------------|---|--|--|---|---|
| AP = Polyester SP = Polypropylene N = Nylon TF = PTFE RT = PPS HT = Nomex® | See Ratings | S = Outside thermally treated | 1 = Size 1 (Ø 178 x 432 mm) | S = Carbon steel ring (Snap-Collar) | WE = All welded (standard for AP and SP by size 1 and size 2) | HS = handle strap, from same material as needed felt. |
| | | P = Plain (not for SP) | 2 = Size 2 (Ø 178 x 800 mm) | SS = Stainless steel AISI 304 ring (Snap-Collar) | - = For types N, TF, RT, HT | |
| | | P/S = Outside thermally treated (standard for SP) | Other sizes 3, 4, 30 and 65 on request | E = Polyester flange (for AP) | AS = All sewn (optional for AP and SP by size 1 and size 2) | |
| | | | | P = Polypropylene flange (Size 1, 2, 3, 4; only for AP and SP) | | |
| | | | | T = PTFE ring | | |
| | | | | PO = Polypropylene ring | | |

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

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 Global Filter 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



Typical Applications

- General chemicals
- Process water systems
- Food & Beverage
- Inks & Paints
- Coatings

Maximum Temperatures

- SP = 80°C
- AP = 149°C (only if correct ring/flange is applied)

Ratings

AP = 0.5; 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200 µm
 SP = 0.5; 0.8; 1; 3; 5; 10; 25; 50; 75; 100; 150; 200 µm
 N, TF, RT or HT = Micron rating on request

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