ABSOLUTE ACCURACY FILTER BAG

For high efficiency filtration

SAH series

Feature Tec's Absolute Accuracy filter bags are manufactured from 100% pure polypropylene micro fibers, eliminating additives which can contaminate the filtrate. The extremely fine fiber structure provides high efficiency filtration. Polypropylene is by nature hydrophobic and oleophilic, which gives Absolute Accuracy filter bags the ability to separate and remove oils from aqueous solutions.

Applications

- Developing solutions
- Fine chemicals
- Industrial coatings
- Decoloring agents
- Inks
- Juice clarification
- Pharmaceuticals and many more

Features and benefits

- Multi-layer construction with nearly absolute filtration efficiency
- Fully-welded and seamless construction provides bypass-free filtration
- Available with three different plastic seal rings (see photos 2nd page) adapts to any bag filter housing

- Material is free from craterforming substances (such as silicones etc.)[1*]

Filter specifications

Material

Polypropylene melt-blown

Seal ring

Welded plastic seal ring in polypropylene

Retention ratings

0.2, 0.6, 1, 5, 10, 25 μm

Dimensions / Parameters

Sizes

01: Ø 178 x 420 mm
02: Ø 178 x 810 mm

Filter area

01: 0.24 m²
02: 0.48 m²

Max. differential pressure[2*]

2.5 bar

Recommended change-out pressure drop for disposal[3*]

≈ 0.8 to 1.5 bar

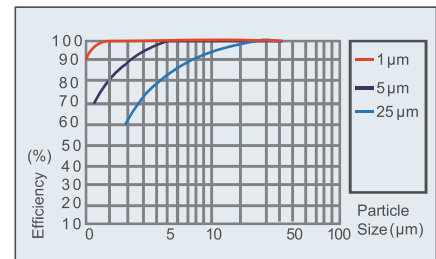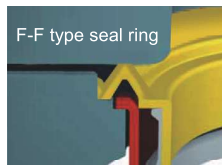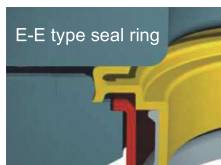**Maximum operating temperature**

Polypropylene: < 90 °C

Maximum flow rates[4*]

01: 6 m³/h
02: 12 m³/h

Retention ratings

Range	Code	Material	Retention ratings (µm)						Sizes		Max. operating temperatures (°C)	Chemical compatibility				
			0.2	0.6	1	5	10	25	01	02		S.Acid	W.Acid	W.Alkali	S.Alkali	Solvent
Absolute Accuracy filter bags	SAH	Polypropylene melt-blown	■	■	■	■	■	■	■	■	< 90	■	■	■	■	✕

B-Beato seal ring	E-E type seal ring	F-F type seal ring

Ordering information

Code / Material
SAH: Polypropylene melt-blown

Sizes
01: Ø 178 x 420 mm
02: Ø 178 x 810 mm

Seal rings
B: Beato welded polypropylene seal ring
E: E type welded polypropylene seal ring
F: F type welded polypropylene seal ring

SAH **-1** **-M** **02** **B**

Retention ratings
0.2, 0.6, 1, 5, 10, 25 µm

Cover layer
M: Spunbond cover
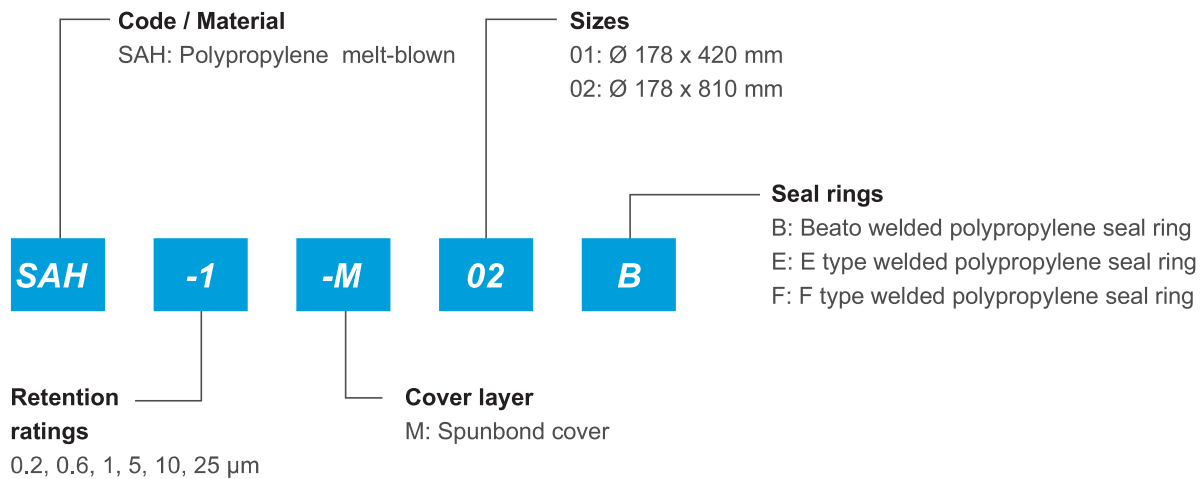
1* Based upon accepted paint compatibility test
2* Max. DP tested for basket in liquid filtration conditions
3* Depending on customer's application requirements
4* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

Technical Data

Ranges	Codes	0.2	0.6	1	5	10	25	50	75	100	125	150	175	200	250	300	400	600	800	1000	1250	Materials	Sizes	Ring Type	Media Types	Max. oper. temp. (°C)
Needled-punched Felt Filter Bag	PO			■	■	■	■	■		■				■	Available grades (µm)							PP	01,02,03,04	B,E,F,S	Felt	90
	PE			■	■	■	■	■		■				■								PE	01,02,03,04	B,E,F,S	Felt	140
	NT			■	■	■	■															Meta-Aramid	01,02,03,04	S	Felt	205
	PT			■	■	■																PTFE	01,02,03,04	S	Felt	240
Long-life Filter Bag	POXL			■	■	■	■	■		■												PP	01,02	B,E,F	Felt	90
	PEXL			■	■	■	■	■		■												PE	01,02	B,E,F	Felt	140
Nylon Monofilament Mesh Filter Bag	NMO				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	Nylon	01,02,03,04	B,E,F,S	Mesh	170
Multifilament Filter Bag	PEMU									■	■	■	■	■								PE	01,02	S	Mesh	140
Absolute Precision Filter Bag	SAH	■	■	■	■	■	■															PP	01,02	B,E,F	Melt	90
High Performance Filter Bag	OAS			■	■	■	■	■														PP	01,02	B,E,F,S	Melt	90
	OAH			■	■	■	■	■														PP	01,02	B,E,F,S	Melt	90
Activated Carbon Filter Bag	AC				■																	Active Carbon	01,02,03,04	S	Melt Felt	90
Rocket Filter Bag	RPO			■	■	■	■	■		■				■								PP	01,02	B	Melt Felt	90
	RPE			■	■	■	■	■		■				■								PE	01,02	B	Felt	140

Chart abbreviations: PE: polyethylene terephthalate, PP: polypropylene, Melt: melt-blown, Felt: Needled felt.
Seal rings: B - Beato Ring, E - E Type Ring, F - F Type Ring, S - Stainless Steel.

Size	Filter area (m²)	Max. flow rate GPM（m³/h）	Diameter (mm)	Length (mm)
01	0.24	20*	178	420
02	0.48	40*	178	810
03	0.08	6*	102	230
04	0.16	12*	102	410

*These flow rates are only applicable for standard needle felt & monofilament filter bags.
*For liquids with a dynamic viscosity of 1 mPa.s @ 20° C.

Chemical compatibility	PP	PE	Nylon	PTFE	NT
S.Acid	■	○	✕	■	✕
W.Acid	■	■	○	■	○
W.Alkali	■	○	■	■	■
S.Alkali	■	✕	■	■	■
Solvent	✕	■	■	■	■

■ - Can accept   ○ - Limited to accept   ✕ - unacceptable

NO.02 NO.01 NO.04 NO.03

B-Beato seal ring

E-E type seal ring

F-F type seal ring