

ACTIVATED CARBON FELT FILTER BAG

AC series



Feature-Tec's latest innovation is an activated carbon filter bag with activated carbon fibers. The activated carbon felt filter bags provides strong absorbency on microbes and due to the tortuous path produced by the fibrous structure it creates a prolonged contact time of the fluid for improved adsorption and filtration.

Applications

- Deodorization
- Recycled water
- Degreasing agents
- Electroplating fluids
- Syrup decoloration
- Drinking water de-chlorination
- Pharmaceuticals and many more

Features and benefits

- Available with stainless steel ring adapts to any bag filter housing
- Activated carbon fibers offer up to ten times the adsorption area compared to standard granular carbon
- Excellent adsorbing performance removes effectively impurities, harmful substances, odours and adsorb harmful gas impurities

- Effective reduction of chlorine
- Removing of asbestos and heavy metals such as mercury and lead

Filter specifications

Material

Polypropylene needle felt with activated carbon fibers

Seal ring

Sewn stainless steel seal ring

Retention rating

5 µm

Dimensions / Parameters

Sizes

01: Ø 178 x 420 mm
 02: Ø 178 x 810 mm
 03: Ø 102 x 230 mm
 04: Ø 102 x 410 mm

Filter area

01: 0.24 m² 02: 0.48 m²
 03: 0.08 m² 04: 0.16 m²

Max. differential pressure^{1*}

2.5 bar

Recommended change-out pressure drop for disposal^{2*}

≈ 0.8 to 1.5 bar

Maximum operating temperature

Polypropylene: < 90 °C

Recommended flow rates^{3*}

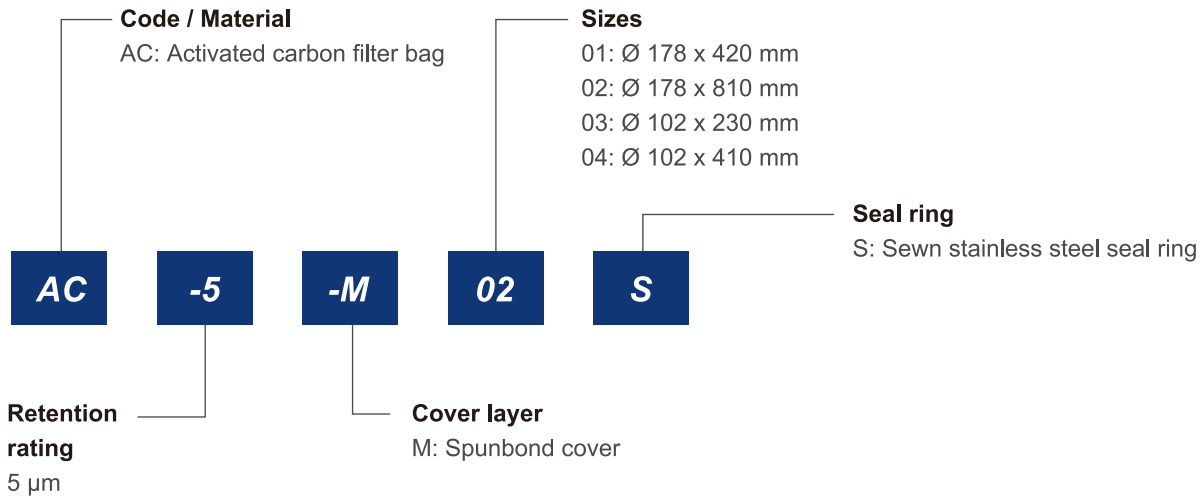
01: 20 m³/h 02: 40 m³/h
 03: 6 m³/h 04: 12 m³/h

■ Activated Carbon Felt Filter Bag Range

Retention ratings

Range	Code	Material	Retention rating (µm)	Sizes				Max. operating temperatures (°C)	Chemical compatibility				
			5	01	02	03	04		S.Acid	W.Acid	W.Alkali	S.Alkali	Solvent
Activated carbon filter bag	AC	Polypropylene needle felt with activated carbon fibers	■	■	■	■	■	< 90	■	■	■	■	×

Ordering information



1* Max. DP tested with basket in liquid filtration conditions

2* Depending on customer's application requirements

3* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

