

SEWN NEEDLE FELT FILTER BAG

*Provide economic performance
with broad flexibility*

**PO / PE / NT
/ PT series**



Industry standard sewn filter bags offer economic performance with a broad flexibility of construction, while using classic stitching techniques. The downstream side is singed using a special heat process to eliminate fiber migration.

Applications

- Automotive coating systems
- Electrophoretic paint and plating
- Lubricating or hydraulic oils
- Chemicals
- Inks
- Edible oils and juices
- Solvents
- Water and many more

Features and benefits

- Available with stainless steel ring adapts to any bag filter housing
- Precision stitching to minimize bypass and maximize strength
- Material is free from craterforming substances (such as silicones etc.)¹
- Downstream side is singed using a special heat process to eliminate fiber migration

Filter specifications

Materials

Polypropylene needle felt
Polyester needle felt
Polytetrafluorethylene needle felt (PTFE)
Meta-Aramid needle felt (NT)

Seal ring

Sewn stainless steel seal ring

Retention ratings

1, 5, 10, 25, 50, 100, 200 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^{2*}

2.5 bar

Recommended change-out pressure drop for disposal^{3*}

≈ 0.8 to 1.5 bar

Maximum operating temperatures

Polypropylene: < 90 °C
Polyester: < 140 °C
Polytetrafluorethylene: < 240 °C
Meta-Aramid: < 205 °C

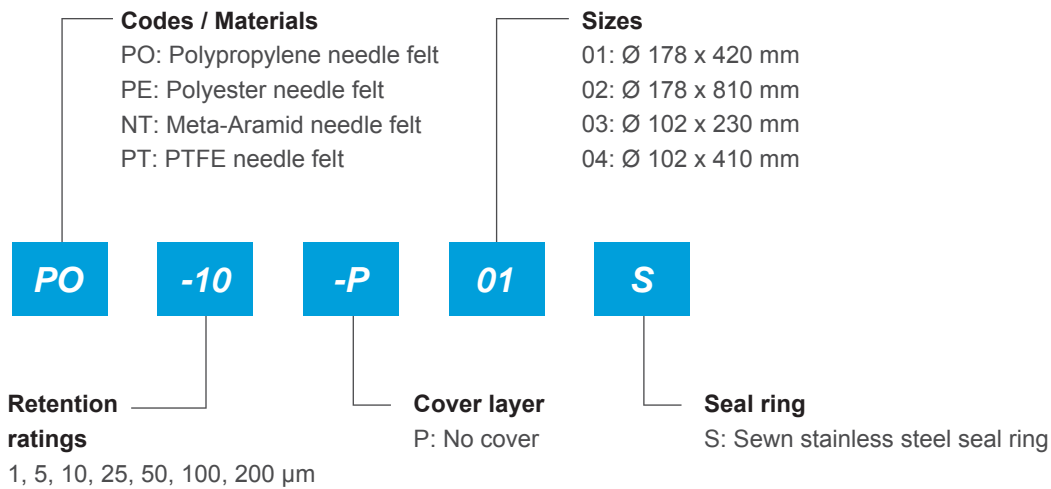
Maximum flow rates^{4*}

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

Retention ratings

Range	Codes	Materials	Retention ratings (µm)						Sizes				Max. operating temperatures (°C)	Chemical compatibility					
			1	5	10	25	50	100	200	01	02	03		04	S. Acid	W. Acid	W. Alkali	S. Alkali	Solvent
Needle felt filter bags	PO	Polypropylene	■	■	■	■	■	■	■	■	■	■	■	< 90	■	■	■	■	■
	PE	Polyester	■	■	■	■	■	■	■	■	■	■	■	< 140	○	■	○	×	■
	NT	Meta-Aramid	■	■	■	■				■	■	■	■	< 205	×	○	■	■	■
	PT	Polytetrafluoroethylene	■	■	■					■	■	■	■	< 240	■	■	■	■	■

Ordering information



1* Based upon accepted paint compatibility test
 2* Max. DP tested with 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