

Data sheet

Filtration & Separation

Needle felt filter bag LT-PPNF / LT-PENF

Features

- Manufactured of high quality needle felt with graded pore structure
- Outer surface glazed to minimize fiber release
- Nominal retention rates
- Seam: ultrasonic welded seam (standard), or stitched seam
- Ring design: Polysnap ring (Polyester or Polypropylene), zinc coated or stainless steel ring
- Ring mounting: ultrasonic welding or stitched
- FDA conformity, free of silicone and other types of contamination
- High flow rates, low pressure drop
- High contaminant retention capacity
- Special design available upon request
- Low disposal costs
- Broad chemical compatibilities



Needle felt bag

Applications

Please check the chemical resistance against your fluid as well as the applicability for your application before usage:

- Automotive industry
- Water filtration and purification
- Food & beverage industry
- Chemical industry
- Pharmaceutical industry

Technical data

Size	Filter area	Fineness	Operating temperature	Differential pressure	Flow rate
1 (Ø180x420mm)	0,25 m ²	1, 5, 10, 25, 50, 75, 100, 150, 200 µm nominal	Polypropylene: max. 90°C Polyester max. 135°C	Exchange recommended at: 1 - max. 1,8 bar	9 - 13 m ³ /h
2 (Ø180x820mm)	0,50 m ²				20 - 25 m ³ /h
3 (Ø100x230mm)	0,09 m ²				3 - 6 m ³ /h
4 (Ø100x380mm)	0,15 m ²				7 - 9 m ³ /h
5 (Ø150x510mm)	0,25 m ²				9 - 12 m ³ /h

*Data based on laboratory trial with pure water at ambient temperature and controlled delta p of 0,1 bar.
Data may vary depending on specific application and filter bags used.

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Ordering information

LT-PPNF	-	001	-	WS	-	2	-	P	-	V
Filter material		Fineness		Seam design		Size		Ring design		Bottom Shape
PPNF: Polypropylene needle felt, outside glazed		001: 1 µm 003: 3 µm 005: 5 µm 010: 10 µm 025: 25 µm		WS: Welded seam SE: Stitched seam		1: 0,25 m ² Ø 180x420 mm 2: 0,5 m ² Ø 180x820 mm 3: 0,09 m ² Ø 100x230 mm		P: Polypropylene Polysnap PE: Polyester Polysnap PS: Polypropylene Double seal (only size 5) ES: Polyester Double seal (only size 5)		R: semi-circle V: triangle
PENF: Polyester needle felt, outside glazed		050: 50 µm 075: 75 µm 100: 100 µm 150: 150 µm 200: 200 µm				4: 0,15 m ² Ø 100x380 mm 5: 0,25m ² Ø 150x510 mm		S: zinc plated steel ring ST: AISI 304 steel ring SU: AISI 316L steel ring		