DoubleFil filter bags

Features

- Up to 80% increased filter area compared to standard size 2 bag
- Extended life time and increased filter bag performance due to lower flow per filter area
- Reduced operational costs due to longer exchange intervals
- Higher flow rates per bag result in reduction of housing size and space requirements as well as lower investment costs
- Up to 60% less residual liquid inside the bag
- Easy convertible from standard bag to DoubleFil bag. Only two additional components are necessary (inner support basket & bag positioner)
- No exchange of standard basket necessary
- Usage of a bag positioner is explicitly recommended to ensure the correct and easy installation
- DoubleFil versions available for single layer felt bags and monofilament mesh bags
- Ring mounting: ultrasonic welding or stitched
- For material resistance please check the data sheets of the standard bag version

DoubleFil filter bag

Technical data

Size	Filter area	Fineness	Operating temperature	Differential pressure	Flow rate
DF (Ø180x735mm)	0,90 m²	*see type code	Polypropylene: max. 70°C Polyester/Nylon with PE ring: max. 100°C Polyester/Nylon with steel ring: max. 135°C	Exchange recommended at: 1 - max. 1,8 bar	36 - 45 m³/h (felt) 36 – 68 m³/h (monofilament)

*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.

Converting components

DoubleFil total length compared to standard size

DoubleFil structure

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Ordering information felt bags

LT- PPNF	- 001	- WS	- DF	- P	- V
Filter material	**Fineness**	**Seam design**	**Size**	**Ring design**	**Bottom Shape**
PPNF: Polypropylene needle felt, outside glazed PENF: Polyester needle felt, outside glazed PPEX: Polypropylene needle felt, extended life, outside glazed PEEX: Polyester needle felt, extended life, outside glazed	001: 1 µm 003: 3 µm 005: 5 µm 010: 10 µm 025: 25 µm 050: 50 µm 075: 75 µm 100: 100 µm 150: 150 µm 200: 200 µm	WS: Welded seam SE: Stitched seam	DF: 0,9 m² Ø 180x735 mm	P: Polypropylene Polysnap PE: Polyester Polysnap S: zinc plated steel ring ST: AISI 304 steel ring SU: AISI 316L steel ring	V: triangle

Ordering information mesh bags

LT- NMO-B	- 100	- SE	- DF	- PE	- R
Filter material	**Fineness**	**Seam design**	**Size**	**Ring design**	**Bottom Shape**
NMO-B: industrial standard Nylon6 monofilament mesh PPMO (≥ 150µm): Polypropylene monofilament mesh PEMO (≥ 35 µm): Polyester monofilament mesh	025: 25 µm 035: 35 µm 045: 45µm 055: 55 µm 075: 75 µm 100: 100 µm 125: 125 µm 150: 150 µm 175: 175 µm 200: 200 µm 250: 250 µm 300: 300 µm 400: 400 µm 600: 600 µm 800: 800 µm 1000:1000µm	WS: Welded seam SE: Stitched seam	DF: 0,9 m² Ø 180x735 mm	P: Polypropylene Polysnap PE: Polyester Polysnap S: Zinc plated steel ring ST: AISI 304 steel ring SU: AISI 316L steel ring	R: semi-circle V: triangle

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Installation instructions:

- Place the inner support basket loosely in the empty support basket for bags of size 2.

- Remove the already to a length of 735mm folded DoubleFil bag from the packaging. Attention: never unfold the bag to its full length!
- Insert the bag positioner into the DoubleFil bag between the two retaining handles on the ring. The holding rods of the bag positioner are aligned over the holding brackets on the bag ring.
- Push the bag positioner completely into the DoubleFil bag.
- Now insert the bag and positioner slowly and together into the filter housing with the inner support basket already installed.
- Make sure that the bag ring is properly seated on the housing and that the bag positioner is fully pressed into the filter bag. The bag positioner must rest in the plastic ring, otherwise the bottom of the bag will not be pushed down sufficiently towards the support basket bottom. To ease removing of the dirty bag, make sure that the sewn-in band is placed in the middle and is neatly accessible.

- Install the bag holder of the housing as usual and close the housing.