



CleverFilter®

THE FILTRATION PEOPLE

www.cleverfilter-group.com

Filter Bags – Needle felt
PPSG, PPE, PPX and PESG, PEE, PEX series

CleverBag

Non-Woven Felt with Seal Ring

Features

- FDA compliant
- Free from crater forming substances (i.e. silicone)
- Available as single- and multi-layered bags with graded pore depth structure
- 1 µm – 200 µm nominal retention rates
- PP, PE or metal ring as bag sealings
- Excellent chemical compatibility
- Thermal surface treatment effectively minimizes fibre migration
- Recommended change out pressure differential 0.1 - 0.16 MPa (1.0 – 1.6 bar)
- TQM for a consistently reliable quality



Benefits

- **Easy Installation** – no tools required
- **Double Sealing** – plastic collars designed to provide additional safety against bypasses
- **Stable Material Composite** – both stable and flexible filter bags for better alignment to the restrainer basket
- **Available Sizes** – all standard but also customized sizes for an optimal process adaptation
- **High Dirt Capacity** – to ensure a long lifetime
- **Low Disposal Cost** – to further improve economics

Applications

- Automotive Industry
- Water Treatment
- Pharmaceuticals
- Food and Beverage
- Chemical Industry
- Paints and Varnishes
- Many Others



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Product Categories: Needle Felt Filter Bags, Non Woven

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|----|-------------|--------------|--------------|
| 1. | PPSG | Polypropylen | Standard |
| 2. | PPE | Polypropylen | double layer |
| 3. | PPX | Polypropylen | triple layer |
| 4. | PESG | Polyester | Standard |
| 5. | PEE | Polyester | double layer |
| 6. | PEX | Polyester | triple layer |

Technical Data

Sizes	Filter Material	Seam Treatment	Length [mm]	Ø [mm]	Filter Area [m²]	Volume [l]	Housings, e.g.
size 1	PP, PE	welded or stitched	420	180	0.25	8.0	HEXB23, HTWB23
size 2	PP, PE	welded or stitched	820	180	0.50	17.5	HEXB45, HTWB45
size 3	PP, PE	welded or stitched	230	100	0.09	1.5	HEXB6, HTWB6
size 4	PP, PE	welded or stitched	380	100	0.15	2.5	HEXB10, HTWB10
size 5	PP, PE	welded or stitched	510	150	0.25	8.0	HPPB23, HSSB23

Product Code

PESG – 100 – WS – SS 2

Material:

PPSG	: PP needle felt	standard
PPE	: PP needle felt	double layer
PPX	: PP needle felt	triple layer
PESG	: PE needle felt	standard
PEE	: PE needle felt	double layer
PEX	: PE needle felt	triple layer

Retention rate nominal [µm]:

1 ; 3 ; 5 ; 10 ; 25 ; 50 ; 75 ; 100 ; 125 ; 150 ; 200

Bag size Ø * L [mm]:

1 : 180 * 420
2 : 180 * 820
3 : 100 * 230
4 : 100 * 380
5 : 150 * 510

Bag sealing:

SS : galvanised carbon steel ring
ST : stainless steel ring
PLK : PP plastic collar
ELK : PE plastic collar
PD : PP plastic collar (size 5 only)

Other types on request.

WS: welded seam
SE: stitched seam

PP- & PE- (-SG, -E, -X) Needlefelt Non Woven R16PR-R2PR

Due to technical progress data can change at any time without prior notice. We strongly recommend to test and to survey each product in its specific process conditions.