

# MULTIFILAMENT FILTER BAG

*Cost-effective  
and reliable for surface area filtration*

**PEMU series**



*Feature Tec's multifilament filter bags are suitable for surface filtration and available in a broad range of retention ratings. These filter bags remove effectively solid particles larger than the respective pore size, but not rated as absolute.*

## **Applications**

- Water treatment
- Paints and varnishes
- Lacquers
- Inks
- Resins
- Chemicals
- Solvents and many more

## **Features and benefits**

- Constructed of multiple woven fibers that maximize filter bag strength at an economical cost
- Available with stainless steel ring adapts to any bag filter housing
- Material is free from craterforming substance (such as silicones etc.)<sup>1\*</sup>

## **Filter specifications**

### **Material**

Polyester multifilament

### **Seal ring**

Sewn stainless steel seal ring

### **Retention ratings**

100, 125, 150, 175, 200 µm

## **Dimensions / Parameters**

### **Sizes**

01: Ø 178 x 420 mm

02: Ø 178 x 810 mm

### **Filter area**

01: 0.24 m<sup>2</sup>

02: 0.48 m<sup>2</sup>

### **Max. differential pressure<sup>2\*</sup>**

2.5 bar

### **Recommended change-out pressure drop for disposal<sup>3\*</sup>**

≈ 0.8 to 1.5 bar

### **Maximum operating temperature**

Polyester: < 140°C

### **Maximum flow rates<sup>4\*</sup>**

01: 20 m<sup>3</sup>/h

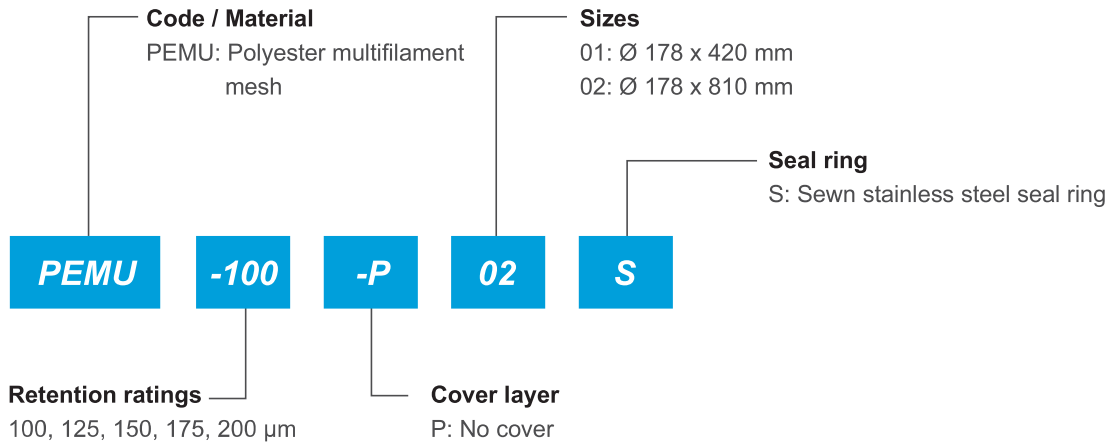
02: 40 m<sup>3</sup>/h

■ Multifilament Filter Bag Range

### Retention ratings

Range	Code	Material	Retention ratings (µm)					Sizes		Max. operating temperature (°C)	Chemical compatibility				
			100	125	150	175	200	01	02		S.Acid	W.Acid	W.Alkali	S.Alkali	Solvent
Polyester multifilament mesh filter bags	PEMU	Polyester multifilament mesh	■	■	■	■	■	■	■	< 140	○	■	○	×	■

### Ordering information



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

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## Technical Data

Ranges	Codes	Available grades (µm)														Materials	Sizes	Ring Type	Media Types	Max. oper. temp. (°C)							
		0.2	0.6	1	5	10	25	50	75	100	125	150	175	200	250						300	400	600	800	1000	1250	
Needled-punched Felt Filter Bag	PO			■	■	■	■	■	■					■								Available grades (µm)	PP	01,02,03,04	B,E,F,S	Felt	90
	PE			■	■	■	■	■	■					■									PE	01,02,03,04	B,E,F,S	Felt	140
	NT			■	■	■	■																Meta-Aramid	01,02,03,04	S	Felt	205
	PT			■	■	■																	PTFE	01,02,03,04	S	Felt	240
Long-life Filter Bag	POXL			■	■	■	■	■	■													PP	01,02	B,E,F	Felt	90	
	PEXL			■	■	■	■	■	■														PE	01,02	B,E,F	Felt	140
Nylon Monofilament Mesh Filter Bag	NMO				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	Nylon	01,02,03,04	B,E,F,S	Mesh	170	
Multifilament Filter Bag	PEMU									■	■	■	■	■								PE	01,02	S	Mesh	140	
Absolute Precision Filter Bag	SAH	■	■	■	■	■	■															PP	01,02	B,E,F	Melt	90	
High Performance Filter Bag	OAS			■	■	■	■	■														PP	01,02	B,E,F,S	Melt	90	
	OAH			■	■	■	■	■															PP	01,02	B,E,F,S	Melt	90
Activated Carbon Filter Bag	AC				■																	Active Carbon	01,02,03,04	S	Melt Felt	90	
Rocket Filter Bag	RPO			■	■	■	■	■	■					■								PP	01,02	B	Melt Felt	90	
	RPE			■	■	■	■	■	■					■									PE	01,02	B	Felt	140

Chart abbreviations: PE: polyethylene terephthalate, PP: polypropylene, Melt: melt-blown, Felt: Needled felt.  
 Seal rings: B - Beato Ring, E - E Type Ring, F - F Type Ring, S - Stainless Steel.

Size	Filter area (m <sup>2</sup> )	Max. flow rate GPM (m <sup>3</sup> /h)	Diameter (mm)	Length (mm)
01	0.24	20*	178	420
02	0.48	40*	178	810
03	0.08	6*	102	230
04	0.16	12*	102	410

\*These flow rates are only applicable for standard needle felt & monofilament filter bags.  
 \*For liquids with a dynamic viscosity of 1 mPa.s @ 20° C.

Chemical compatibility	PP	PE	Nylon	PTFE	NT
S.Acid	■	○	×	■	×
W.Acid	■	■	○	■	○
W.Alkali	■	○	■	■	■
S.Alkali	■	×	■	■	■
Solvent	×	■	■	■	■

■ - Can accept ○ - Limited to accept × - unacceptable

