

Liquid filter bags for food (clean) applications



Our food-grade bag filters are designed for applications requiring the highest level of cleanliness. Made from durable nonwovens or meshes, they are intended for filtration of substances in contact with food. They comply with strict standards for materials intended for food contact, ensuring reliable performance in hygienic industrial environments, including the food, cosmetic, and pharmaceutical industries.

Each filter is individually packed in protective film to maintain purity and safety during storage. Manufactured under controlled conditions, these filters eliminate the risk of contamination, providing reliable filtration, long service life, and optimal operational safety in clean industrial processes.

Technical data

Material:

Food grade felt: Polypropylene, Polyester, Nylon, Extended life polypropylene, Extended life poliester

Food grade mesh: Nylon monofilament, Polyester monofilament, PTFE monofilament

Top finishing

Color polypropylene, polyester, santoprene,

Ring: Stainless Steel

Micron ratings

FPO, FPE: 0.5, 1, 2.5, 5, 10, 25, 50, 75, 100, 150, 200 µm

FNMO: 1, 5, 10, 25, 50, 75, 100, 125, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1200...µm (other on request)

Dimensions

2 Ø=177 L=815mm 7x32" (0,50 m²)

1 Ø=177 L=410mm 7x16" (0,19 m²)

4 Ø=103 L=385mm 4x15" (0,09 m²)

3 Ø=103 L=230mm 4x9" (0,05 m²)

X1 FSIX100

Other sizes on request!

Operating Parameters

Max operating temperature:

80°C Food grade polypropylene non-woven

130°C Food grade polyester non-woven

120°C Food grade Nylon non-woven

250°C Food grade PTFE mesh

120°C Food grade Nylon mesh

FEATURES

- Safe for food and pharmaceutical applications – compliant with EC and FDA requirements.
- Clean and contamination-free – each filter is individually packed to ensure sterility.
- High-quality materials – silicone-free threads and tested for global migration.
- No liquid bypass – precision sealing ensures reliable filtration.
- Tested and verified – performance confirmed by independent laboratories.
- Easy installation – designed for perfect fit in filter housings.
- Versatile applications – ideal for the food, beverage, dairy, and pharmaceutical industries.

FOOD-GRADE COMPLIANCE

Our food grade filter bags are independently tested and are compliant with EU and international food contact regulations. They comply with **Regulation (EC) No. 1935/2004 (Article 3, Article 5 and Article 17)** and with **Regulation (EU) No. 10/2011** for plastic materials intended for food contact. Compliance with **EC and FDA requirements** is verified through independent laboratory analysis. Filter bags are produced under controlled hygienic conditions, free from contamination, and each bag is individually sealed to maintain purity during storage and handling. **HALAL and KOSHER** statements are available upon request.



Ordering code

FPO 005 G 2 PO L WE/SP

MATERIAL:

FPO food grade polypropylene non-woven
FPE food grade polyester non-woven
FPOXL food grade polypropylene extended life non-woven
FPEXL food grade polyester extended life non-woven
FNMO food grade monofilament nylon
FPOMO food grade polyester monofilament
FPOMO food grade polypropylene monofilament
FPTMO food grade monofilament PTFE

REMOVAL RATING:

FPO, FPE: 1; 2.5; 5; 10; 25; 50; 75; 100; 150; 200µm
FPOXL, FPEXL: 1; 5; 10; 25; 50; 100µm

FNMO: 1; 5; 10; 25; 50; 75; 100; 125; 150; 200; 250; 300; 400;
 500; 600; 800; 1000; 1200... µm (others for request)

COVER TYPE

P standard
G glazed /calandered

BAG SIZE

2 Ø177 L=815 [mm] 7x32" (0.50m²)
1 Ø177 L=410 [mm] 7x16" (0.25m²)
4 Ø103 L=385 [mm] 4x15" (0.10m²)
3 Ø103 L=230 [mm] 4x9" (0.05m²)
X1 FSI X100
Inne: (A x B) A: width, B: length

COLLAR OR RING

PO polypropylene collar
PE polyester collar
PZ santoprene collar
SS stainless steel ring

COLLAR SHAPE

L equivalent for Polylock (FSI, Pall)
H equivalent for Sentinel (Eaton)
X1 equivalent for X100 (FSI, Pall)
R equivalent for Roningen-Peter
F equivalent for POF (FSI, Pall)
D POD equivalent for Rosedale

OPTION:

WE - fully welded
WEV - welded V-bottom
WEU - welded U-bottom
WESOV - collar/ring stitched, side welded, bottom stitched V
WESO - collar/ring stitched, side welded, bottom stitched
WESCO - collar welded, side welded, bottom stitched
WECO - collar welded, side stitched, bottom stitched
SP - single packed
SI - stitching inside
R - reinforced with tape PE
NH - without handle
K - string
IH - integrated handles
LXXX - total length XXXmm
DXXX x LXXX - diameter of ring x filter length eg. NMO 600 (D70xL250)S
WXXX x LXXX - flat width x filter length eg. NMO 100 (50x410)-K



Tolerance:

Tolerance of rings or collars diameter: +/- 3mm
 Tolerance of length and width: +/- 20mm