



FILTER SPECIALISTS, INC.

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FILTER BAGS



Polymicro Microfiber Filter Bags

POMF Filter Bags

Innovative Solutions. Clear Results.



FILTER BAGS

Felt Filter Bags

Standard Felt Filter Bags | Polyweld® Filter Bags | Extended Life Filter Bags (POEX/PEEX)

MAX PONG Filter Bags | PolyFold™ Filter Bags

Polymicro Microfiber Filter Bags



POMF Filter Bags

Seamless-Absolute Rated

BOS Filter Bags | BOS Gradient Filter Elements | BOS MAX Filter Bags

Mesh Filter Bags



POLYMICRO MICROFIBER FILTER BAGS

POMF Filter Bags

The Polymicro microfiber filter bag (POMF) provides outstanding performance for applications requiring higher filtration efficiency. The POMF contains three layers: a pre-filtering layer that removes coarse debris; the primary layer, composed of micro pores (for efficient particle retention); and an outer cover that prevents fiber migration. The finish-free fibers are non-foaming, which is ideal for food, beverage, water, chemical and coating applications.

Features

- Proprietary polypropylene, triple-layer construction adsorbs hydrocarbons from air, gas and aqueous streams for clearer results
- Outer cover prevents fiber migration to reduce waste
- Non-foaming microfiber offers product cleanliness, high performance and longer service life
- High void volume means longer service life, higher contaminant loading and reduced waste loads
- Easy change-out reduces down time
- PolyLoc® ring creates a hermetic seal within a vessel housing to prevent liquid bypass
- POMF 1A, 2A, 10A and 25A bags are made from FDA-compliant materials
- POMF 1A, 2A, 10A & 25A are available with NSF Standard 61 Certification
- Available in stock for quick, one-week delivery



Specifications

- **POMF1A, 2A, 10A & 25A**
Available with NSF Standard 61 Certification
- **POMF 1A, 2A, 10A and 25A**
Bags are made from FDA-compliant materials (OA bags also include an additional layer of oil removing material)
- **Auto Construction**
(Seams on Inside)
- **Available Materials**
Polypropylene microfiber
- **Maximum Operating Temperature**
160° F (93° C)
- **Suggested Differential Pressure**
35 PSIG maximum — dirty
10-15 PSIG optimum change out
- **Micron Rating**
1A: 1 micron
2A: 2 micron
10A: 10 micron
25A: 25 micron
50A: 50 micron
90A: 90 micron
120A: 120 micron
OA: Special purpose 25 micron
(includes an additional layer of oil removing material)
- **Sizes**
#1: 7" dia. x 16" long, 65 GPM
#2: 7" dia. x 32" long, 125 GPM
#3: 4" dia. x 8.25" long, 20 GPM
#4: 4" dia. x 14" long, 35 GPM
- **Available Rings**
(See chart on right for all available rings)

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POMF Filter Bags

Item # BPOMF1AP2P

Type of Filter	B= Filter Bag
Material	POMF = Polypropylene microfiber
Micron Rating	See specifications
Cover	Plain
Size	1, 2, 3, 4
Ring	P = PolyLoc® S = Snap fit metal RPP = Ronningen-Petter plastic ring CO = Commercial steel ring COP = Commercial plastic ring RP = Ronningen-Petter snap fit

Item # BPOMF1APP2P61

Type of Filter, Material, Micron Rating, Size and Ring nomenclature same for NSF 61 Certified bags. See Above.

Cover	PP = Special NSF Construction
Suffix	61 = NSF 61 Certified



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Mesh Filter Bags

Filter Fabric Qualities

Fabric	Cotton	Polyester	Glass	Nylon	Nomex	Polypropylene
Specific Gravity	1.55	1.38	2.56	1.14	1.14	0.9
Tensile Strength	44 - 109	64 - 124	200 - 215	58 - 128	58 - 128	50 - 85
Abrasion & Flex	Fair	Very Good	Poor	Excellent	Very Good	Very Good
Weak Acids	Poor	Very Good	Excellent	Fair	Fair	Excellent
Strong Acids	Poor	Good	Good	Poor	Poor	Excellent
Weak Alkali	Excellent	Good	Fair	Excellent	Excellent	Excellent
Strong Alkali	Excellent	Poor	Poor	Excellent	Excellent	Excellent
Solvents	Good	Good	Excellent	Good	Good	Fair
Temperature (F°)	200 - 240°	275 - 325°	500 - 600°	275 - 300°	400 - 450°	200 - 220°

Filter Bag Data

Bag Size	1	2	3	4	X01	XL
Surface Area Per Bag (ft2/m2)	2.0/0.19	4.4/0.41	0.5/0.05	1.0/0.9	2.0/0.19	5.3/0.49
Volume Per Bag (gal*/liter)	2.1/7.9	4.6/17.3	0.37/1.4	0.67/2.5	2.1/7.9	5.5/0.51
Bag Diameter (inch/cm)	7.0/17.8	7.0/17.8	4.0/10.2	4.0/10.2	6.0/15.2	9.25/23.5
Bag Length (inch/cm)	16/40.65	32.0/81.3	8.25/20.9	14.0/35.5	22/55.9	32/81.3
FSI Filter Vessel Model Number	FSPN-40 CBFP-11	FSPN-85 FSPN-250 CBFP-12 and all multi-hole vessels	FSPN-20 BFN-13	FSPN-35 BFN-14	X100B	XL234



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Mesh Filter Bags

Flow Rates of Filter Bags

In most filtration applications, fluid viscosities do not exceed 50cps. Using the following Flow Rates Per #2 Size Bag as a guide, the suggested flow rates should result in a CLEAN Pressure Drop under 2 PSID.

Material Used	Micron Rating	Flow Rate (GPM)
Felt	1 & 3	80 GPM/#2 BAG
Felt	5 THRU 200	120 GPM/#2 BAG
Mesh	1, 3, 5 & 100	100 GPM/#2 BAG
Mesh	25 THRU 100	125 GPM/#2 BAG
Mesh	150 THRU 800	150 GPM/#2 BAG
Microfiber	1A and 2A	60 GPM/#2 BAG
Microfiber	10A, 25A, 90A & 0A	80 GPM/#2 BAG

Micron Rating & Availability

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