



FILTER SPECIALISTS, INC.

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FILTER BAGS



Mesh 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

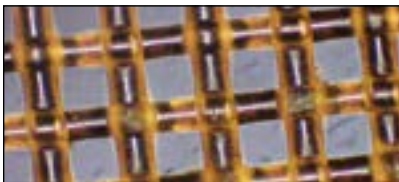


MESH FILTER BAGS

All FSI mesh bags are constructed using a woven or knitted fabric. Whether your particular environment requires a single filament mesh that provides excellent strength with no fiber migration, or a woven multi-strand mesh designed for economical filtration bags, we have your needs covered. The yarn in all of our mesh filter bags is abrasion resistant, compatible with a broad range of chemicals, unaffected by metal fatigue or corrosion, and boasts high tensile strength.

Features

- Available in nylon monofilament, polyester multifilament and polypropylene monofilament offering broad range of chemical compatibility and price ranges
- Monofilament mesh bags provide extra strength and abrasion resistance
- Precision mesh materials produce predictable results for consistent performance
- Offered in standard and custom sizes to provide a perfect fit for standard and unique applications
- Offered in micron ratings 1-1500 with plastic and metal rings for versatility
- Silicone free to prevent cratering for a better surface finish



Monofilament Mesh is a woven fabric where each thread is a single filament, boasting excellent strength with no fiber migration.



Mutifilament Mesh is a woven fabric where each strand consists of many smaller diameter threads.



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Specifications

Available Materials

Nylon Monofilament
Polyester Multifilament
Polypropylene Monofilament

Micron Rating

NMO = 1, 5, 10, 25, 35, 45, 55, 65, 75, 100,
125, 150, 175, 200, 250, 400, 600, 800, 1200

PEM = 75, 100, 125, 150, 200, 250, 400,
800, 1500

PMO = 100, 150, 200, 250, 300, 600, 800

Sizes

#1: 7" x 16" (17.78 cm x 40.65 cm)
#2: 7" x 32" (17.78 cm x 80 cm)
#3: 4" x 8 1/4" (10.16 cm x 20.96 cm)
#4: 4" x 14" (10.16 cm x 35 cm)
#5: 6 7/8" x 34" (17.46 cm x 86.36 cm)
#6: 6 7/8" x 16 1/2" (17.46 cm x 41.91 cm)
#7: 5 1/2" x 16" (13.97 cm x 40.64 cm)
#8: 5 1/2" x 22" (13.97 cm x 55.88 cm)
#9: 5 1/2" x 33" (13.97 cm x 83.82 cm)

5GP: 5 Gallon Pail (19L)
12X18D: 12" x 18" Drawstring
(30.48 cm x 43.2 cm)

18X24D: 18" x 24" Drawstring
(45 cm x 60.96 cm)

18X28D: 18" x 28" Drawstring
(45 cm x 71.12 cm)

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Item # **BPEM100P1PA**

Type of Filter	B = Filter Bag
Material	NMO = Mesh, Nylon monofilament PEM = Mesh, Polyester multifilament PMO = Mesh, Polypropylene monofilament
Micron Rating	See specifications
Cover	P = Plain (no cover)
Size	1, 2, 3, 4, 5, 6, 7, 8, 9 5GP (5 Gallon Pail) 12x18D, 18x24D, 18x28D (D = Draw-string)
Ring	P = Polypropylene PolyLoc® PE = Polyester PolyLoc® C = Cuno N = Nylon PolyLoc® S = Snap fit metal SSS = Stainless steel snap fit CO = Commercial steel ring COP = Commercial plastic ring
Suffix	WE = Welded Seam Construction (<i>available on sizes 3 & 4 NMO only</i>) A = Auto Construction LOOPS = Loops C = Cotton Handle N = Nylon Handle



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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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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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