



FILTER SPECIALISTS, INC.

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FILTER BAGS



Felt Filter Bags

Polyfold 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



FELT FILTER BAGS

PolyFold™ Filter Bag

The PolyFold™ is our proprietary filter bag constructed of dual-sided extended life felt. It features 2.4X additional surface area for high dirt-holding capacity and long service life.

Features

- The dual-sided, extended life felt construction provides maximum dirt holding and a high flow rate
- 240% more surface area than a standard bag
- Fits in a standard basket, so no retrofit is required
- 4X+ dirt holding capacity* results in longer life and fewer change outs
- Polypropylene center tube supports filtration media, aids in insertion of filter bag, and accepts a bag magnet
- PolyLoc® ring eliminates liquid bypass
- Mesh cover assists in insertion and removal of filter bag

**Compared to a standard felt bag. Based on lab testing using water and test dust.*



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Specifications

- **Available Materials**
Polypropylene Extended Life Felt
- **Maximum Operating Temperature**
200-220° F (93-104° C)
- **Suggested Differential Pressure**
35 PSIG maximum — dirty
10-15 PSIG optimum change out
- **Micron Rating**
5, 10, 25, 50, 100
- **Sizes**
#2: 7" x 32" (17.8 cm x 81.3 cm)
- **Polypropylene PolyLoc® Rings**
- **Polypropylene Center Tube**

Patent Pending

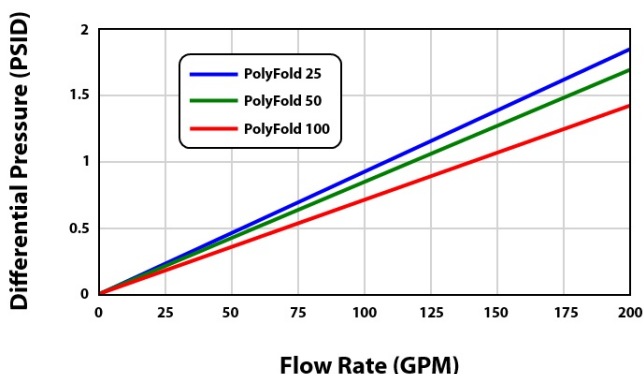
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PolyFold™ Felt Filter Bags

Item # **BPOF50P4002P**

Type of Filter	B = Filter Bag
Material	POF = Polypropylene extended life felt
Micron Rating	See specifications
Cover	P400 = Polyester Multifilament Mesh (400 Micron)
Size	2
Ring	P = Polypropylene PolyLoc®

Clear Water Pressure Drop





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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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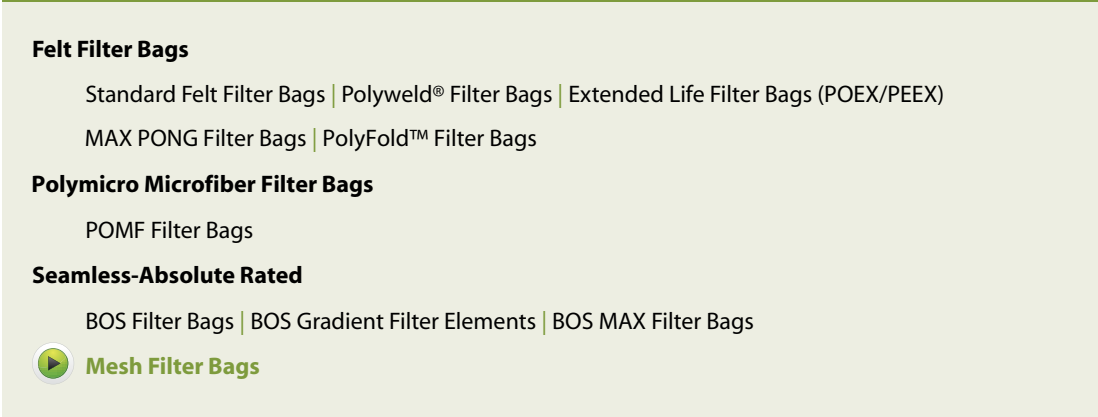
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Flow Rates of Filter Bags

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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

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