



COST EFFECTIVE FILTRATION

Filter: POL Series Polyester Filter Bags - Replacement for Pall/FSI BPENG Series Filter Bags

Rosedale's POL filter bags provide an excellent replacement for the discontinued PALL/FSI BPENG series. Manufactured with high quality polyester needled felt material, these filter bags are equal to, or exceed, the characteristics of the original product. The integral plastic flange makes installation and disposal easier and there is no metal to worry about.

Polyester offers compatibility with water, animal or vegetable oils, organic solvents, alkalis, oxidizing agents, organic acids, mineral acids as well as micro-organisms. Temperature limitation is 300°F*. Choose micron ratings 1 through 200 from high efficiency micro fiber materials or industry standard felt. As an added feature, sonically welded seams are available.

*BPENG bags with the POL top flange have a temperature limitation of 200°F. BPENG ring style bags have a limitation of 300°F.

BENEFITS & DESIGN DETAILS

POL bags have a polypropylene flange sewn or sonically welded into their opening and integral handles as a standard feature. They make removal faster and easier. POL bags are an exact fit for the PALL/FSI POLYLOC filter bag.

Microfiber bags are 95% efficient at 1, 5, 10, and 25 microns. The standard felt is offered in grades 1 to 200 microns. These bags are also available in standard "ring type" bag sizes.

APPLICATIONS

- High Purity Fluids
- Food Products
- Liquors
- Activated Carbon Removal
- Parts Washing
- Edible Oils



MATERIALS OF CONSTRUCTION

- Filter Media: Polyester
- Cover: Spun bound polyester
- Top Seal: POL Sealing Flange

SUGGESTED DIFFERENTIAL PRESSURE

- Maximum: 35 PSIG Dirty (2.4 bar)
- Optimum: 10-15 PSIG (0.7-1.0 bar)

MAXIMUM OPERATING TEMPERATURE

- Maximum (POL Top): 200°F (93°C)
- Maximum (Ring Style Bag): 300°F (149°C)



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RECOMMENDED MAXIMUM FLOW RATE (FOR LIQUIDS WITH A DYNAMIC VISCOSITY OF 1 MPA•S @ 20°C)

FILTER BAG SIZE	FLOW RATE	DIMENSIONS	SURFACE AREA
1	30 GPM (6.81 M3/HR)	7.2" X 16" (18.28 CM X 40.65 CM)	2.2FT2 (0.20M2)
2	60 GPM (13.63 M3/HR)	7.2" X 32" (18.28 CM X 81.28 CM)	4.4FT2 (0.41M2)
3	5 GPM (1.70 M3/HR)	4.1" X 8" (10.41 CM X 20.32 CM)	0.5FT2 (0.45 M2)
4	10 GPM (3.41 M3/HR)	4.1" X 14" (10.41 CM X 35.56 CM)	1.0FT2 (0.9M2)

EFFICIENCY RATINGS - BPEMF REPLACEMENT

MICRO-FIBER	STANDARD FELT
MICRON RATING @ EFFICIENCY	NOMINAL RATING
95%	
1, 5, 10, 25	1, 5, 10, 25, 50, 100, 200

CONFIGURE YOUR PART NUMBER (EXAMPLE: PE-100-G2POL)

MATERIAL	MICRON RATING	FINISH	SIZE (DIMENSIONS ABOVE)	TOP SEAL	SEAM OPTIONS
PE Polyester Replaces BPENG Bags	1, 5, 10, 25, 50, 100, 200	G Glazed	1, 2, 3, 4	POL FSI Polyloc Flange	NO SYMBOL Sewn Seam
PEMF Polyester Micro-Fiber Replaces BPEMF Bags	1, 5, 10, 25	P Plain	1, 2, 3, 4	S Snap Ring	WE Welded Seam POL Bags Only