



COST EFFECTIVE FILTRATION

Filter Bags: RPO Series

Our RPO sealing flange provides the best bag-to-housing seal in today's marketplace. During operation as the filter bag gets dirty causing differential pressure to increase, our flared RPO top flange seal improves, providing optimum performance. The integral plastic flange makes installation and disposal easier and there is no metal to worry about.

Polypropylene 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 200F. 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.

BENEFITS & DESIGN DETAILS

RPO bags have a plastic flange sewn or sonically welded into their opening and integral handles as a standard feature. They make removal faster and easier.

- Microfiber bags are 95% efficient at 1, 3, 8 and 19 microns.
- The standard felt is offered in grades 1 to 200 microns.
- These bags are also available in standard "ring type" bag sizes.

COMMON APPLICATIONS

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



*Strainer basket not included.

MAXIMUM OPERATING TEMPERATURE

- Polyester: 200° F (94° C)

SUGGESTED DIFFERENTIAL PRESSURE

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

MATERIALS OF CONSTRUCTION

- Filter Media: Polypropylene
- Cover: Spun Bond Polypropylene
- Top Seal: Snap Ring 316 Stainless Steel, RPO Flange Polypropylene



FILTRATION SPECIFICATIONS

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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	40 GPM (9.08 M3/HR)	7.2" X 16" (18.28 CM X 40.65 CM)	2.2FT2 (0.20M2)
2	80 GPM (18.16 M3/HR)	7.2" X 32" (18.28 CM X 81.28 CM)	4.4FT2 (0.41M2)
3	10 GPM (2.27 M3/HR)	4.1" X 8" (10.41 CM X 20.32 CM)	0.5FT2 (0.045M2)
4	20 GPM (4.54M3/HR)	4.1" X 14" (10.41 CM X 35.56 CM)	1.0FT2 (0.9M2)
7	25 GPM (5.67M3/HR)	5.6" X 15" (14.27 CM X 38.10 CM)	1.2FT2 (0.11M2)
8	40 GPM (9.08 M3/HR)	5.6" X 21" (14.27 CM X 53.34 CM)	2.0FT2 (.20M2)
9	65 GPM (4.M3/HR)	5.6" X 32" (14.27 CM X 81.28 CM)	3.4FT2 (0.32M2)
12	100 GPM (22.71 M3/HR)	8.4" X 32" (21.25 CM X 81.28 CM)	5.5FT2 (0.52M2)

MICRO-FIBER FILTER BAGS

EFFICIENCY	MICRON RATING			
	95.00%	1.0	3.0	8.0
99.00%	2.0	5.0	19.0	25.0

STANDARD FELT FILTER BAGS

EFFICIENCY	NOMINAL RATING						
	50.00%	1.0	5.0	10.0	25.0	50.0	100.0
95.00%	35.0	48.0	55.0	65.0	70.0	110.0	200.0