



NMO SERIES

Filter: Nylon Monofilament Filter Bags

Nylon Monofilament Mesh (NMO) filter bags are offered in ratings from 5 to 1200 microns. Monofilament mesh is a woven material where each thread is a single filament and the openings are square. NMO bags have excellent strength and are considered to be cleanable. Filter efficiency is 90% or more.

When combined with our RP sealing flange, the NMO bag provides a durable product with 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 RP top flange seal improves, providing optimum performance. The integral plastic flange makes installation and disposal easier and there is no metal to worry about.

Nylon 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 5 through 1200.

DESIGN DETAILS

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

Monofilament filter bags are 90% efficient at the micron ratings. These bags are also available in standard "ring type" bag sizes.

FEATURES

- Operates on the principle of surface filtration
- Wide range of micron ratings
- Reusable or disposable
- Non-fiber releasing
- Non-deformable weave
- High contaminant quantities under optimum conditions

APPLICATIONS

- Paints and varnishes
- Inks
- Resins
- Chemicals
- Aggressive solvents



MATERIALS OF CONSTRUCTION

- Filter Media: Nylon
- Finish: Plain
- Top Seal: Rosedale RP Flange or 316SS Snap Ring

SUGGESTED DIFFERENTIAL PRESSURE

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

MAXIMUM OPERATING TEMPERATURE

- Maximum (Nylon): 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	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 (0.45 M2)
4	20 GPM (454 M3/HR)	4.1" X 14" (10.41 CM X 35.56 CM)	1.0FT2 (0.9M2)
7	25 GPM (5.67 M3/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 (0.20M2)
9	65 GPM (4.0 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)

CONFIGURE YOUR PART NUMBER (EXAMPLE: NMO-100-P2RPO)

MATERIAL	MICRON RATING	FINISH	SIZE	TOP SEAL	SEAM OPTIONS
NMO Nylon Monofilament	5, 10, 25, 50, 100, 150, 200, 250, 300, 400, 600, 800, 1000, 1200	P Plain	1	SS 316 Stainless Steel Snap Ring	NO SYMBOL Sewn Seam
			2	RPE Polyester Flange	
			3	RPO Polypropylene Flange	
			4	POL FSI Flange	
			7		
			8		
			9		
			12		