

# MONOFILAMENT FILTER BAG

*Suitable  
for surface area filtration*

## NMO series



*Monofilament filter bags are suitable for surface filtration and available in a broad range of retention ratings. These filter bags remove effectively solid particles larger than the respective pore size.*

### Applications

- Automotive coating and degreasing systems
- Cutting solution
- Resins
- Chemicals
- Solvents
- Recycled water and many more

### Features and benefits

- Heat-stabilized mesh resists deformation
- Reinforced side seams to prevent liquid bypass through needle holes (only for filtration rating  $\leq 125 \mu\text{m}$  bag)
- Available with three different plastic seal rings (see photos 2<sup>nd</sup> page) and stainless steel rings adapts to any bag filter housing

- Material is free from craterforming substances (such as silicones etc.)<sup>1)</sup>

### Filter specifications

#### Material

Nylon monofilament

#### Seal ring

Welded plastic seal rings in polypropylene

Sewn stainless steel seal ring

#### Retention ratings

5, 10, 25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 400, 600, 800, 1000, 1250  $\mu\text{m}$

### Dimensions / Parameters

#### Sizes

01: Ø 178 x 420 mm  
 02: Ø 178 x 810 mm  
 03: Ø 102 x 230 mm  
 04: Ø 102 x 410 mm

#### Filter area

01: 0.24 m<sup>2</sup> 02: 0.48 m<sup>2</sup>  
 03: 0.08 m<sup>2</sup> 04: 0.16 m<sup>2</sup>

#### Max. differential pressure<sup>2)</sup>

2.5 bar

#### Recommended change-out pressure drop for disposal<sup>3)</sup>

≈ 0.8 to 1.5 bar

#### Maximum operating temperature

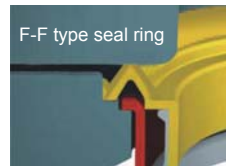
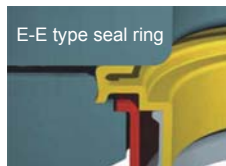
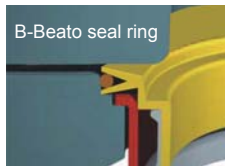
Nylon: < 170 °C

#### Maximum flow rates<sup>4)</sup>

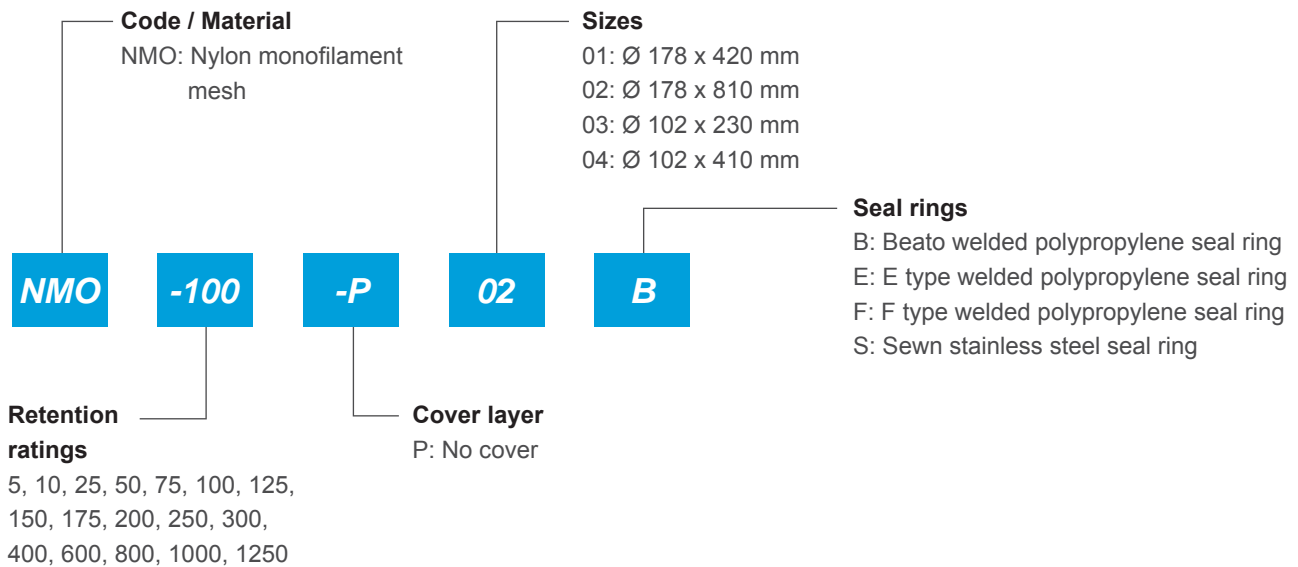
01: 20 m<sup>3</sup>/h 02: 40 m<sup>3</sup>/h  
 03: 6 m<sup>3</sup>/h 04: 12 m<sup>3</sup>/h

## Retention ratings

Range	Code	Material	Retention ratings (µm)																Sizes				Max. operating temperature (°C)	Chemical compatibility					
			5	10	25	50	75	100	125	150	175	200	250	300	400	600	800	1000	1250	01	02	03		04	S. Acid	W. Acid	W. Alkali	S. Alkali	Solvent
Nylon monofilament mesh filter bags	NMO	Nylon monofilament mesh	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	< 170	✗	○	■	■	■



## Ordering information



1\* Based upon accepted paint compatibility test

2\* Max. DP tested with basket in liquid filtration conditions

3\* Depending on customer's application requirements

4\* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C