

# NMO Series

FILTERING BAG  
MESH  
SIZE 1-2-3-4



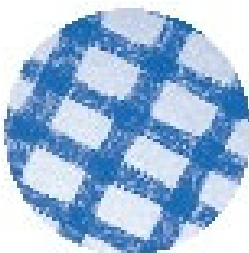
## MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESIN
- PHARMACEUTICAL
- MICROELECTRONIC
- GALVANIC
- GENERAL INDUSTRY

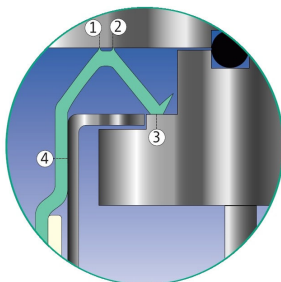
## CHARACTERISTICS:

- Mesh construction
- Precision woven filtration media
- Smooth extruded surface (*nylon, polypropylene, polyester*): cleanable
- Multiple twisted strands (*polyester*): high dirt holding capacity
- Silicone oil free
- Non fibre releasing
- Approved FDA material (*polypropylene and polyester*)  
(*FDA 21 CFR 176.170 e FDA 21 CFR 177.1520© 3.2a*)
- Filter media thermo-welded to the seal ring
- Double and reinforced longitudinal sewn
- Rounded bottom to fit perfectly in the restrainer basket
- All configurations supplied with handles for easy change out
- Polypropylene PolyformSEAL™ seal ring
- Stainless steel or tinned steel seal ring as option
- Available in four different materials
- Filtration rating from 1 to 2000 µm

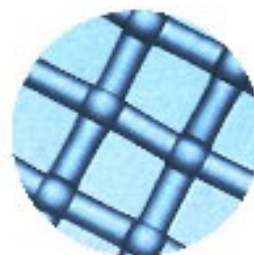
**Multi filament construction:**  
High dirt holding capacity



**PolyformSEAL™ seal:**  
4 points positive seal for  
by-pass free filter bag



**Mono filament construction:**  
High filtration precision  
Cleanable



# ASCO FILTRI

a **mott** company



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**FILTERING BAG**  
**MESH**  
**SIZE 1-2-3-4**

## TECHNICAL DATA

### WORKING TEMPERATURE

- Polypropylene 93 °C
- Nylon 135 °C
- Polyester 135 °C

### DIFFERENTIAL PRESSURE

*Bag replacement:*  
1.7 bar @ 25 °C

*Max. allowable:*  
3.5 bar @ 25 °C

### CONSTRUCTION MATERIAL

- Nylon monofilament
- Polyester monofilament
- Polyester multiple filament
- Polipropilene monofilo

### DIMENSIONS

- Size 1: Dia. 178 x L 419 mm
- Size 2: Dia. 178 x L 813 mm
- Size 3: Dia. 102 x L 203 mm
- Size 4: Dia. 102 x L 356 mm

### FILTERING AREA

- Size 1: 0.23 m<sup>2</sup>
- Size 2: 0.45 m<sup>2</sup>
- Size 3: 0.06 m<sup>2</sup>
- Size 4: 0.11 m<sup>2</sup>

### VOLUME

- Size 1: 6.8 litres
- Size 2: 15.1 litres
- Size 3: 1.3 litres
- Size 4: 2.3 litres

## Flow-rate / Delta-P data:

Viscosity [cP]	Filtration rating [µm]		
	150-250	300-600	600-800
1	11.0	13.8	14.8
20	11.0	13.8	14.8
30	11.0	13.8	14.8
40	11.0	13.8	14.8
60	11.0	13.8	14.8
80	11.0	13.8	14.8
100	11.0	13.8	14.8
200	11.0	13.8	14.8
400	11.0	13.8	14.8
500	7.72	10.2	14.8
800	5.68	7.72	10.9
1000	4.77	6.13	9.08
1500	3.41	4.01	6.13
2000	2.73	3.63	4.99
4000	1.70	2.27	3.40
6000	1.16	1.54	2.27
8000	0.84	1.14	1.66
10000	0.75	0.95	1.45

Zone	Recommended
Yellow	Good
Light Blue	Poor
Dark Blue	Not recommended

Liquids flow-rate (m<sup>3</sup>/h) - Size 1 bag - Initial Delta-P 0.07 bar.

For size 2 bags multiply flow-rate x 1.88.

For size 3 bags multiply flow-rate x 0.28.

For size 4 bags multiply flow-rate x 0.44.

Flow-rate valid for clean liquids, reduce the flow-rate according to the application.

## Available filtration rating:

Nylon monofilament	1, 5, 10, 25, 45, 50, 55, 70, 75, 100, 125, 150, 175, 200, 250, 300, 400, 500, 600, 800, 1000 µm
Polyester monofilament	1, 5, 10, 75, 100, 125, 150, 200, 250, 300, 400 µm
Polyester multiple filament	100, 150, 200, 250, 300, 400, 500, 600, 800, 1000, 1500, 2000 µm
Polypropylene monofilament	200, 300, 400, 600, 800 µm

We reserve the right to change the data of this specification without notice.

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