

# MB series

FILTERING CARTRIDGES  
NOMINAL - MELT-BLOWN  
OD 2.5" (63 mm)



## MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROLCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINT AND RESINS
- PHARMACEUTICAL
- MICROELECTRONIC
- GALVANIC
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRY

## CHARACTERISTICS:

- Depth filtration
- Graded density filtration matrix
- 100% pure polypropylene
- Surfactant, binder and adhesive free construction
- High dirt holding capacity
- Non fibre releasing
- Filtration direction from out to in
- Resistant to contaminant unloading even at high Delta-P
- Six end caps configuration available
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- Available in two versions
- FDA CFR Title 21 and NSF42 approved polypropylene
- 1935/2004/CE certification available upon request
- Filtration rating from 0.5 to 150 µm

**ASCO**  
**FILTRI**  
a **mott** company



Brochure nr: 007-MB-20-UK-3

**ASCO Filtri S.p.A.**  
Viale delle Scienze, 8  
20082 Binasco (MI) - Italy  
Phone: +39 02 89703.1  
Fax: +39 02 89703.410  
E-mail: [info@ascofiltri.com](mailto:info@ascofiltri.com)  
Web: [www.ascofiltri.com](http://www.ascofiltri.com)

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## TECHNICAL DATA

### MAX. WORKING TEMPERATURE

MBN 80 °C max.  
MBH 60 °C max.

### DIFFERENTIAL PRESSURE

Cartridge replacement:

2.5 bar @ 25 °C

Max. allowable:

4.2 bar @ 25 °C

2.1 bar @ 60 °C

1.2 bar @ 80 °C (only MBN)

### CONSTRUCTION MATERIAL

Filter media:

- Polypropylene

End caps:

- Polypropylene

Gaskets:

- Buna-n

- EPDM

- Viton

- Silicone

### DIMENSIONS

External diameter:

2.5" (63 mm)

Internal diameter:

1.1" (28 mm)

Length:

10", 20", 30", 40", 50", 60"

### FILTERING AREA

10": 0.05 m<sup>2</sup>

20": 0.10 m<sup>2</sup>

30": 0.15 m<sup>2</sup>

40": 0.20 m<sup>2</sup>

50": 0.25 m<sup>2</sup>

60": 0.30 m<sup>2</sup>

### Flow-rate / Delta-P - DHC data:

Filtration (µm)	Liquids		Air	DHC
	1 cP	10 cP	0.018 cP	[gr]
0.5	0.84	0.08	15	30
1	1.20	0.12	20	40
3	1.44	0.14	23	55
5	1.80	0.18	23	60
10	2.0	0.22	23	110
20	2.0	0.24	23	125
50	2.0	0.48	23	155
75	2.0	0.60	25	175
≥ 100	2.0	0.72	25	200

Liquids flow-rate (m<sup>3</sup>/h) - Air flow-rate (Am<sup>3</sup>/h) - Clean Delta-P 0.12 bar.

Flow-rate valid for 10" long cartridges.

For gas different than air: DP = 0.12 x gas viscosity (cP) / 0.018 cP (air).

Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

### Available filtration rating:

Series	Filtration (µm)									
	0.5	1	3	5	10	20	50	75	100	150
MBN	X	X	X	X	X	X	X	X	X	X
MBH		X	X	X	X	X	X	X	X	X

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

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