

MBA series

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

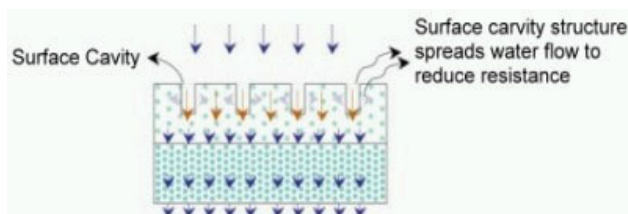


MAIN APPLICATIONS:

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

CHARACTERISTICS:

- Depth filtration
- Graded density filtration matrix
- Surface cavity structure to reduce initial Delta-P
- 100% pure polypropylene
- Surfactant, binder and adhesive free construction
- High dirt holding capacity
- No 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
- FDA CFR Title 21 and NSF42 approved polypropylene
- 1935/2004/CE certification available upon request
- Absolute filtration rating from 1 to 100 μm



Brochure no: 004-MBA-22-UK-4

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a **mott** company

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MBA series

**FILTERING CARTRIDGES
ASSOLUTE - MELT-BLOWN
DIAMETRO 2.5" (63 mm)**

TECNICAL DATA

MAX. WORKING TEMPERATURE
80 °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

CONSTRUCTION MATERIAL

Filter media:

- Polypropylene

End caps:

- Polypropylene

Gaskets:

- Buna-n

- EPDM

- Viton

- Silicone

- FEP

DIMENSIONS

External diameter:

2.5" (63 mm)

Internal diameter:

1.1" (28 mm)

Length:

10", 20", 30", 40"

FILTERING AREA

10": 0.05 m²

20": 0.10 m²

30": 0.15 m²

40": 0.20 m²

Flow-rate / Delta-P - DHC data:

Filtration (µm)	Liquids		Air 0.018 cP	DHC [gr]
	1 cP	10 cP		
1	0.42	0.03	120	50
3	0.78	0.05	120	60
5	1.56	0.78	180	75
10	2.00	1.20	180	115
25	2.00	1.32	180	120
50	2.00	1.56	180	155
75	2.00	1.68	180	175
100	2.00	1.80	220	200

Liquids flow-rate (m³/h) - Air flow-rate (Nm³/h @ 7 barg) - 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.

Filtration efficiency:

Filtration (µm)	Efficiency		
	99.98%	98%	90%
1	1 µm	0.8 µm	0.6 µm
3	3 µm	2.3 µm	1.0 µm
5	5 µm	4.0 µm	3.0 µm
10	10 µm	6.0 µm	5.0 µm
25	25 µm	15 µm	10 µm
50	50 µm	40 µm	30 µm
75	75 µm	60 µm	50 µm
100	100 µm	75 µm	70 µm

Filtration efficiency for liquids defined with Multipass

ISO 4572 test

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

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