

MBA series

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

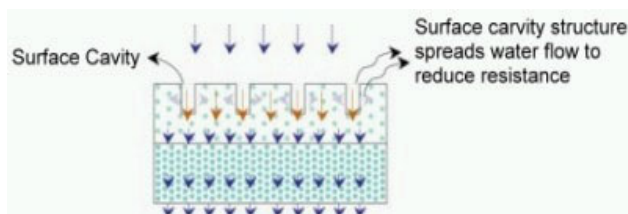


MAIN APPLICATIONS:

- 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



ASCO FILTRI

a **mott** company



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

Contact us for any further information.

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

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