

# MBA series

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

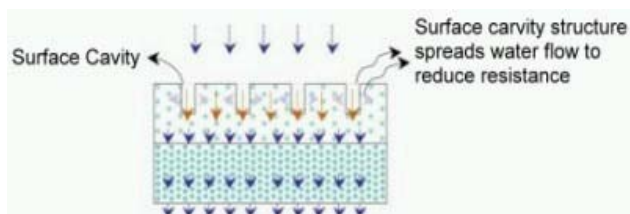


## MAIN APPLICATIONS:

- 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  $\mu\text{m}$



# ASCO FILTRI

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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 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>

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

Filtration (µm)	Liquids		Air	DHC
	1 cP	10 cP	0.018 cP	[gr]
1	0.35	0.02	100	50
3	0.65	0.04	100	60
5	1.30	0.65	150	75
10	2.00	1.00	150	115
25	2.00	1.10	150	120
50	2.00	1.30	150	155
75	2.00	1.40	150	175
100	2.00	1.50	200	200

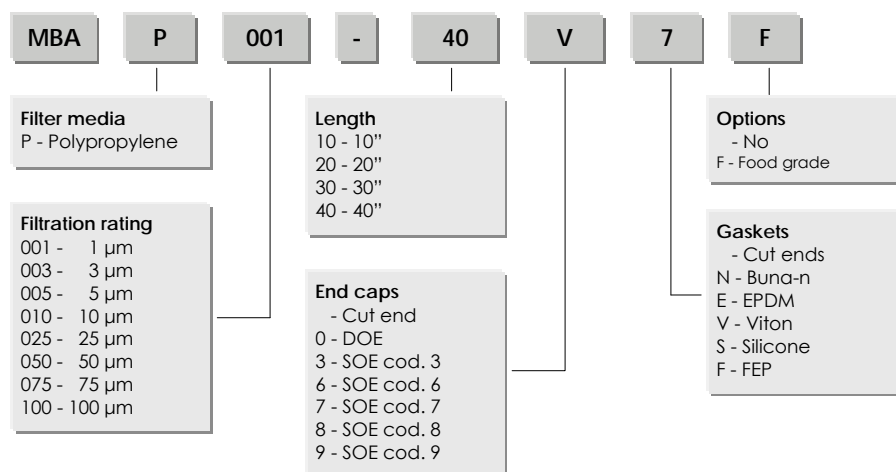
*Liquids flow-rate (m<sup>3</sup>/h) - Air flow-rate (Nm<sup>3</sup>/h @ 7 barg) - Clean Delta-P 0.1 bar  
 For gas different than air: DP = 0.1 x gas viscosity (cP) / 0.018 cP (air).  
 Flow-rate valid for clean water and air, reduce the flow-rate according to the application.*

## 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*

## Ordering information:



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

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