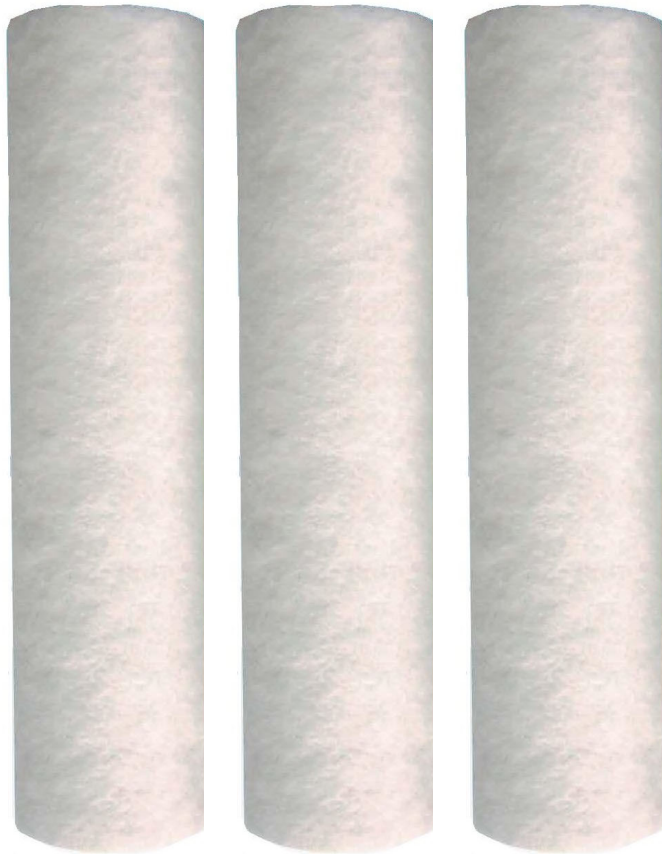


MPBT Series

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



MAIN APPLICATIONS:

- OIL & GAS
- PETROCHEMICAL
- PAINTS AND RESINS
- FINE CHEMICALS
- FOOD & BEVARAGE
- HYDRAULIC
- GENERAL INDUSTRIES

FEATURES:

- Suitable for hydrocarbons, oils, solvents, high viscosity and high temperature fluids filtration
- Suitable for both liquid and gas filtration
- Manufactured with PBT inner perforated core
- Ideal to replace "resin bonded" cartridges: 3M Cuno Micro-Klean, Parker ProBond and Pall Hi-V
- Depth filtration
- Graded density filtration matrix
- 100% PBT (polyester)
- Wide range chemical compatibility
- Surfactant, binder and adhesive free construction
- High dirt holding capacity
- No fibre releasing
- Filtration direction from outside to inside
- Resistant to contaminant unloading even at high Delta-P
- Five end cap configurations available
- Nominal filtration rating from 1 to 150 μ m

ASCO FILTRI

a **mott** company

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TECHNICAL DATA

MAX. WORKING TEMPERATURE
120 °C max.

DIFFERENTIAL PRESSURE
Cartridge replacement:
2.5 bar @ 20 °C
Max. allowable:
4.2 bar @ 20 °C

CONSTRUCTION MATERIAL

Filter media:

- PBT

Inner core:

- PBT

End caps:

- PBT

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

Highlights:

The MPBT series cartridges have been designed to meet the specific filtration requirements of fluids whose high temperatures prevent the use of polypropylene.

The PBT (polybutylene terephthalate) construction makes MPBT series cartridges an ideal solution for hydrocarbons, solvents, oils as well as high viscosity liquids. PBT melt-blown cartridges are the perfect alternative to traditional acrylic fibres cartridges bonded with phenolic resin which producers are progressively deleting from their production range.

The thermo-welded PBT microfibres give the necessary rigidity to the filtering medium to withstand viscous fluids filtration while the PBT inner perforated core provides the suitable mechanical strength required to avoid its collapse under the increase of the differential pressure.

Flow-rate / Delta-P:

Filtration (µm)	Liquids		Air 0.018 cP
	1 cP	10 cP	
1	0.9	0.30	18
3	1.0	0.30	20
5	1.5	0.50	20
10	1.8	0.60	20
25	2.0	0.65	20
50	2.0	0.70	20
75	2.0	0.75	20
≥ 100	2.0	0.80	25

Liquids flow-rate (m³/h) - Air flow-rate (Am³/h) - Clean Delta-P 0.1 bar.

Flow-rate valid for 10" long cartridges.

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.

Available filtration rating:

Filtration (µm)								
1	3	5	10	25	50	75	100	150
X	X	X	X	X	X	X	X	X

Contact us for any further information.

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

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