

# Deltapor MBA Plus

- High chemical compatibility
- High dirt holding capacity
- Available in several configurations
- Thermo-welded construction up to 40"
- EC-listed materials for Food contact
- FDA-listed materials per CFR21
- Steamable and sanitisable



Deltapor MBA Plus is manufactured with polypropylene. The filter media is obtained by winding around the internal core several polypropylene layers, having different porosity and permeability from external to internal. The outer section retains larger particles while the inner section provides filtration rating with filtration rating with efficiency of 99.98%. The different consistency of the layers allows the Manufacturing of cartridges with filtration ratings larger than 10 microns.

Deltapor MBA Plus with an external cage is recommended in the presence of pulsation flow or operating temperature above 50°C. The high chemical compatibility of the polypropylene allows the use both in industrial general applications and Food & Beverage applications. PH grade, preflushed with non-pyrogenic water and with certification of quality, is available for pharmaceutical applications.

## Materials of Construction

Filter media	Polypropylene
Upstream supports	Polypropylene
Downstream supports	Polypropylene
Internal Core	Polypropylene
External Cage	Extruded polypropylene
End caps / Adapters	Polypropylene

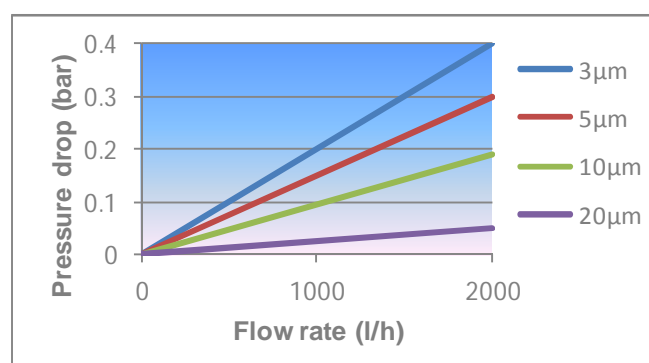
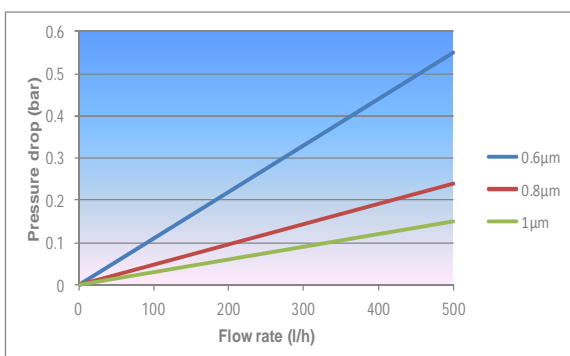
## Food Safety

Deltapor MBA Plus filter elements meet (EU) regulation 10/2011 and its subsequent amendments and regulations (EC) 1935/2004 and 1895/2005.

## Bio Safety

Specific for PH grade: the filter meets USP "water for injection" requirements for particle release the effluent is non-pyrogenic per USP bacterial endotoxins (<0.25 EU/ml).

## Water Flow Rate for 10" Cartridge



## Recommended Operating Conditions

- Maximum continuous temperature of 65°C
- Steam sterilisation in cycles of 20 minutes at 121°C
- Sanitisation with hot water at 80°C maximum
- Maximum differential pressure of 5.0 bar at 25°C
- Recommended change out differential pressure of 2.0 bar at 25°C

FILTRATION RATING (µm)	MAX. WATER FLOW RATE FOR 10" CARTRIDGE (l/h)
0.6µm	150
0.8µm	200
1.0µm	350
3.0µm	500
5.0µm	700
10.0µm	1100
20.0µm	1500
40.0µm	2000
50.0µm	2500
70.0µm	3000
90.0µm	3000

## Ordering Guide

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type	Special
Deltapor MBA Plus	0.6µm	10"	02	E - EDPM	PH - preflushed with non pyrogenic water
	0.8µm	20"	03	S - Silicone	
	1.0µm	30"	04 - DOE		
	3.0µm	40"	07		
	5.0µm		08		C - with external cage
	10.0µm		09		
	20.0µm		28		
	40.0µm				
	50.0µm				
	70.0µm				
	90.0µm				

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