

Deltapor – LD

Deltapor LD spun bonded cartridge filters utilise the very latest in high strength fibre production to create a large diameter core free element. Engineered to operate in high flow applications, the high capacity, low pressure loss media is an ideal choice for use in a wide range of water and chemical processes. No resins, binder or other materials are used in the manufacturing process resulting in a fibre free, uncontaminated process fluid.

Utilising the housings own integral support core, this cartridge shows excellent performance in terms of life, disposal costs and overall costs when compared to conventional cartridges.

Deltapor LD fibres are blown continuously onto a central production mandrel, without the need for resin binders or lubricants. The result being a one piece, core free construction that is resistant to unloading and media shedding.

True depth filtration results from the closely controlled manufacturing process and environment ensuring a consistent and reliable high quality element. Elements are available in two standard sizes, 508mm (20") and 1013mm (40") double open format.

Deltapor LD cartridges are produced using a unique manufacturing process.



High Efficiency Filter Media

- Available from 1 to 100µm+
- Consistent reliable performance

Product Features

- 100% polypropylene or nylon
- No resins, binders or anti-static agents
- Wide chemical compatibility
- High temperature resistance
- True graded density for enhanced life
- Material meet US FDA title 21

Features and Benefits

- Consistent and reliable performance and efficiency
- No resin binder thermal bonding process stops media migration and ensure minimal extractables
- Identification imprinted on every cartridge
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Wide chemical compatibility using 100% polypropylene or nylon media
- Range of rating from 1 to 100µm+

Unique Construction

- Core free design
- Free from resin binders
- High void volume
- Thermally bonded fibre matrix stopping fibre migration
- One piece construction up to 40"

Industries and Applications

- Food and Beverage - Bottled water, polishing lines, powder trap filter
- Fine Chemicals - Solvent trap filters
- Petrochemicals - Aminestreams, glycol solutions, hydrocarbon (kerosene based materials)
- General engineering - Return condensate
- Metal finishing - Wash systems, feed waters
- Auto movie - Electrophoretic paints, phosphate lines, pre treatment rinse

Technical Data

Material of Construction

Filter media: polypropylene or nylon

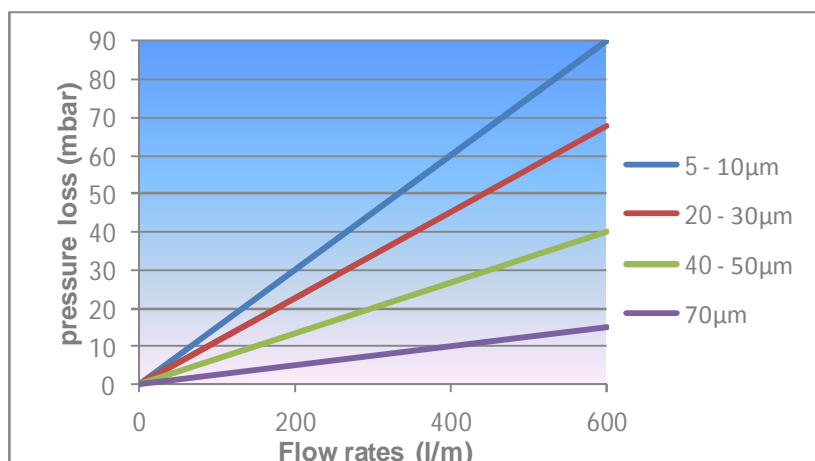
Dimensions

Length: 508mm and 1013mm
 Outside Diameter: 152mm
 Inside Diameter: 114mm

Maximum Operating Conditions

Temperature Polypropylene: 80°C
 Nylon: 150°C

Flow Rates for Water (40" element)



		P	N
Recommended Max ΔP for cartridge replacement		1.5 bar	1.5 bar
Maximum ΔP	@ 30°C	4 bar	4 bar
	@ 80°C	1 bar	2 bar
	@ 130°C	N/A	1 bar
	@ 150°C	N/A	0.5 bar

Ordering Guide

Name	Micron Rating		Nominal Length	Media	Special
Deltapor LD	1µm	40µm	20"	P - Polypropylene N - Nylon	
	5µm	50µm	40"		
	10µm	70µm			
	20µm	100µm			
	30µm				

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