

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, this result 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 cost effectiveness when compared to conventional cartridges.

Deltapor LD cartridges are produced using a unique manufacturing process resulting in the following features:

High Efficiency Filter Media

- Available from 5 to 100 µm+
- Consistent reliable performance

Unique Construction

- Core-free design
- Free from resin binders
- High void volume, resulting in low clean Δp and excellent dirt holding capacity
- Thermally bonded fibre matrix stops fibre migration
- One piece construction up to 1013mm (40")

Product Features

- 100% Polypropylene or Nylon throughout
- No resins, binder or anti-static agents
- Wide chemical compatibility
- High temperature resistance
- True graded density for enhanced life
- Materials meet US FDA Title 21

Deltapor LD fibers are blown continuously onto a central production mandrel, without the need for resin binders or lubricants. This results in 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, which also ensures a consistent and reliable high quality element.

Elements are available in two standard sizes, 508mm (20") and 1013mm (40"), double open ended format.

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 5 to 100µm+



Industries and Applications

- | | |
|---------------------|---|
| Food and Beverage | ➤ Bottled water, Polishing lines, Powder trap filters |
| Fine Chemicals | ➤ Solvent trap filters |
| Petrochemicals | ➤ Amine streams, Glycol solutions, Hydrocarbon (Kerosene) based materials |
| General Engineering | ➤ Return condensate |
| Metal Finishing | ➤ Wash systems, Feed waters |
| Automotive | ➤ Electrophoretic paints, Phosphate lines, Pre treatment rinse |

Technical Data

Material of Construction

Filter Media: Polypropylene or Nylon

Dimensions

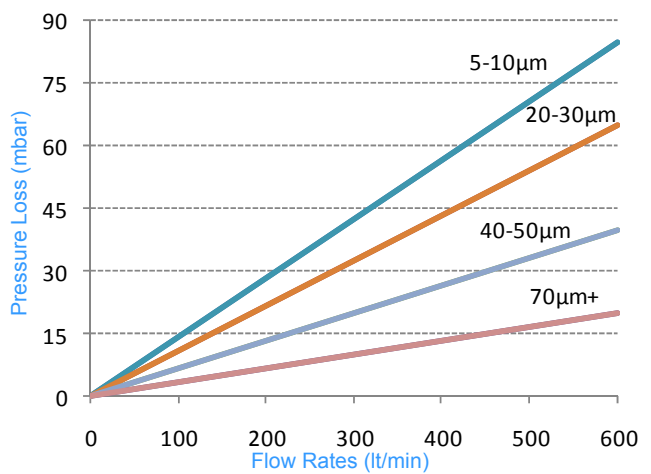
Length: 508 and 1013mm
 Outside Diameter: 152mm
 Inside Diameter: 114mm

Maximum Operating Conditions

Temperature Polypropylene: 80°C
 Nylon: 50°C

		P	N
Recommended Max ΔP		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

Flow Rates For Water (40" element)



Cartridges part numbering guide

LD 40 P 010

Code	Length	Code	Media	Code	Micron rating
20	508 mm	P	Polypropylene	005	5µm
40	1013 mm	N	Nylon	010	10µm
				020	20µm
				030	30µm
				040	40µm
				050	50µm
				070	70µm
				100	100µm

22_02_EN



UK Office:

Envirogen Group
 Unit 14a Bromyard Road
 Trading Estate
 Bromyard Road, Ledbury
 Herefordshire HR8 1NS
 Tel: +44 (0) 1531 636328
 E: info@envirogen.com
 www.envirogen.com



Italian Office:

Envirogen Group Italy S.p.A
 Viale De GASPERI,88/B
 20017 Mazzo di Rho Milano
 Tel: +39 (0)2 93959.1
 E: info.it@envirogen.com
 www.envirogen.com



USA Office:

Envirogen Technologies
 Two Kingwood Place
 700 Rockemad Dr. Suite 105
 Kingwood, TX 7739
 Tel: +1 877.312.8950
 E: info@envirogen.com
 www.envirogen.com