

# SUPAPLEAT LDP

## Nominal Rated Pleated Depth Filter

SupaPleat LDP high surface area pleated depth cartridges are suitable for a wide range of industrial processes. In-house developments have resulted in a filter media that provides optimum filtration efficiency, on-stream life and pressure drops. State-of-the-art manufacturing technologies provide a cartridge with excellent build quality.

SupaPleat LDP filters are available with a standard cage or, for enhanced durability, we offer a more robust outer cage. Both options feature 100% polypropylene cage, core and end cap assembly.

Thermal welding processes seal all components, eliminating adhesives and extractables and ensure cartridge integrity.



SupaPleat LDP filter cartridges are produced using advanced manufacturing processes resulting in the following features:

- Melt blown polypropylene media
- One piece all polypropylene support cage and core up to 1018mm (40")
- Materials that meet US FDA title 21 and USP Class VI requirements
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004
- Available from 0.2 to 90µm
- Consistent reliable performance
- Suitable for most sanitisation regimes including steaming, autoclaving, hot water and most common sanitising agents.

(Note: Steaming, autoclaving and hot water sanitisation must use the Reinforced Polypropylene End Cap option)

## Features and Benefits

- 100% polypropylene construction provides wide chemical compatibility and meets FDA requirements
- High surface area, resulting in low clean differential pressure and excellent dirt holding capacity
- 100% thermally welded construction for maximum integrity and strength
- Available with standard or more robust cage
- Optional high strength core for improved thermal stability at continuously elevated temperatures.
- As standard all bags are anti static

## Industries and Applications

<b>Food and Beverage</b>	• Bottled water, Beers, Wines, Flavours, Polishing lines, General clarification
<b>Pharmaceutical</b>	• Solvent discharge, Raw water supplies
<b>Fine Chemicals</b>	• Polymers, Acids, Bases, Solvents
<b>Cosmetics</b>	• Alcohol, Essential oils, Mouthwash solutions
<b>Metal Finishing</b>	• Plating solutions, Wash solutions, Paints, Resins, Varnishes
<b>Water Treatment</b>	• Pre reverse osmosis, UV protection, Resin trap, Cryptosporidium removal
<b>Automotive</b>	• Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints, Top coats

AMAZON

# SupaPleat LDP Technical Data

## Dimensions

Outside Diameter: 66mm  
 Core Diameter: 27mm  
 Typical Surface Area: (per 10") 0.4 - 0.6m<sup>2</sup>

## Sterilisation and Sanitisation\*<sup>1</sup>

Steam: 121°C for 15 mins (20 cycles)  
 Hot Water: 90°C for 30 mins (0.2 bar Δp max)  
\*<sup>1</sup>Applies to single open end cartridges only. For all steaming and hot water applications, the Reinforced Polypropylene End Cap option must be used.

## Maximum Operating Conditions

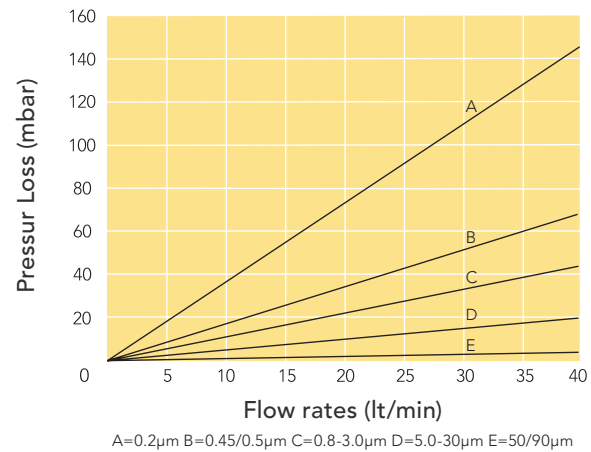
Temperature: 80°C

Recommended change-out differential pressure: 2.5 Bar

Maximum ΔP	PP Media PP Core	PP Media Reinforced PP Core
@ 20°C	4.0	4.0
@ 50°C	1.5	4.0
@ 80°C	0.25	2.4

Product validation guide available on request. All SupaPleat LDP cartridges are manufactured under strict control with lot number allocation and full traceability on all components.

## Flow Rates For Water (10" Element)



# Ordering Guide

03P	P	NOV -	20	3	E	A	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
03P - Polypropylene	P - Polypropylene D - Reinforced Polypropylene S - St.Steel B - PP Core, PP Single Piece Hard Cage C - Reinforced Polypropylene Core, PP Single Piece Hard Cage E - Stainless Steel core, PP Single Piece Hard Cage	N0Y - 0.2μm N0W - 0.45 N0V - 0.5 N0T - 0.8 N0R - 1.2 N0P - 2.0 N0N - 3.0 N0M - 5.0 N0L - 10.0 N0K - 15.0 N0J - 20.0 N0H - 30.0 N0G - 50.0 N0E - 90.0	09 - 249mm 10 - 254 20 - 509 30 - 763 40 - 1017	0 - DOE A - Code A B - Code B* <sup>3</sup> S - Code S 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8 9 - Code 9	B - Buna E - EPDM F - FEP/Silicone (SOE only) S - Silicone T - PTFE V - Viton	A - Amazon	G - Reinforced Polypropylene End Cap

Example: 03PPN0V-203EA = Polypropylene media and core, 0.5μm rating, double length (20") long, code 3 connections with EPDM seal.  
\*<sup>3</sup> - Code B to fit Amazon 50 Series housings only

# AMAZON FILTERS LTD.

Albany Estate, Camberley, Surrey, GU16 7PG, ENGLAND

Tel: +44 (0) 1276 670 600 Email: sales@amazonfilters.co.uk Web: www.amazonfilters.com

SupaPleat is a trademark of Amazon Filters Ltd.

AMAZON FILTERS LTD. reserve the right to change specification without prior notice, as part of their continuous product development programme.

03LDP-Issue 01