

# SUPAPLEAT LDP HFC



## Nominal Rated Pleated Depth Filter

SupaPleat LDP HFC high surface area cartridges utilise pleated depth media offering maximum efficiency and exceptionally high flow capabilities. Developed to suit industrial processes where high performance is required, the low pressure loss and high dirt capacity makes them the ideal choice for fine polishing applications. In-house developments have optimised the pleat pack thus ensuring rigidity is maintained at all flow rates.

SupaPleat LDP HFC 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 HFC 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
- 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)

Amazon Filters manufactures a comprehensive range of filter housings for the SupaPleat LDP HFC cartridges. Available in many materials and sizes to suit all flow rates, please consult our sales office for further details on our full range.

## 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, Polishing lines, General clarification
<b>Pharmaceutical</b>	• Solvent discharge, Raw water supplies, Batch transfers
<b>Fine Chemicals</b>	• Polymers, Acids, Bases, Solvents
<b>Water Treatment</b>	• Pre reverse osmosis, UV protection, Resin trap
<b>Automotive</b>	• Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints
<b>Oil &amp; Gas</b>	• Water injection systems, Amine streams, Glycols
<b>Power Generation</b>	• Water treatment (boiler feed sweetening), return condensate lines



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# SupaPleat LDP HFC Technical Data

### Dimensions

Outside Diameter: 160mm  
Core Diameter: 75mm  
Typical Surface Area: (per 40") 3.6m<sup>2</sup>

### Sterilisation and Sanitisation\*1

Steam: 121°C for 15 mins (10 cycles)  
Hot Water: 90°C for 30 mins (0.5 bar Δp max)

\*1Applies to single open end cartridges only. For all steaming and hot water applications, the Reinforced Polypropylene End Cap option must be used.

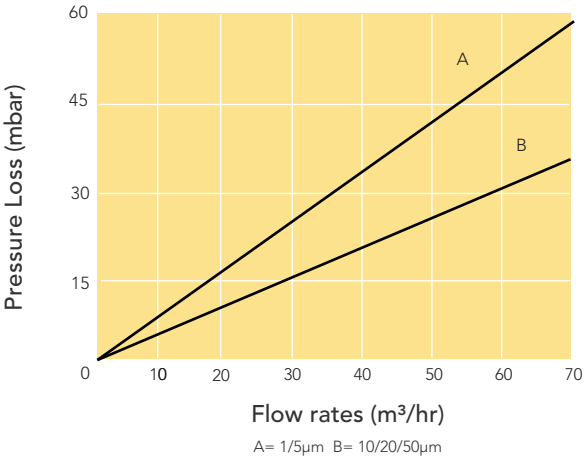
### Maximum Operating Conditions

Temperature: 80°C

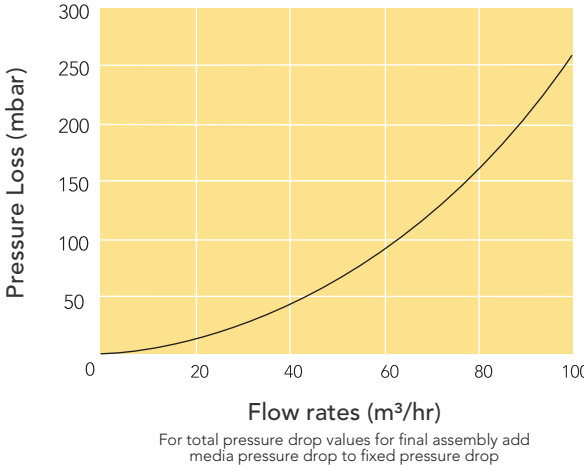
Recommended change-out differential pressure: 2.5 Ear

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 - GF, Media Only  
(40" Element)



Fixed Pressure Drop Values for Cartridges  
(40" Element)



## Ordering Guide

15X	P	NOS -	20	C	E	A	
Media	Core/Assembly	Micron Rating	Length	Connections	Seal	Branding	Options
15X - Polypropylene	P - Polypropylene S - St.Steel N - Nylon End Caps, 304 St. St core & cage	NOS - 1.0µm NOM - 5.0 NOL - 10 NOJ - 20 NOG - 50	20 - 522mm 40 - 1038 60 - 1541	C - Flange	B - Buna E - EPDM F - FEP/Silicone (SOE only) S - Silicone V - Viton	A - Amazon	

Example: 15XPNOS-20CEA = Polypropylene media and core, 1µm rating, double length (20") long, C flange connection with EPDM seal.

# AMAZON FILTERS LTD.

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