

SUPASpun HFC

Large Diameter Depth Cartridge



SupaSpun HFC spun bonded cartridge filters utilise the very latest in high strength fibre production to create a large diameter element ideal for 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, binders or other materials are used in the manufacturing process, this results in a fibre free, uncontaminated process fluid. They are available in 20", 40" and 60" one piece lengths offering significantly quicker cartridge replacement when compared to changing out conventional 65mm diameter cartridges.

SupaSpun HFC cartridges are produced using a unique manufacturing process resulting in the following features:

- High efficiency filter media
- Available from 5 to 100µm
- Consistent reliable performance

Unique Construction

- 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 1541mm (60")

Product Features

- 100% polypropylene
- 100% thermally welded construction for maximum integrity and strength
- Materials meet US FDA Title 21
- No resins, binders or anti-static agents
- True graded density for enhanced life

SupaSpun HFC fibres are blown continuously onto a central production mandrel, without the need for resin binders or lubricants. This results in a one piece 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.



Features and Benefits

- Consistent and reliable performance and efficiency
- No resin binders - thermal bonding process stops media migration and ensures 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 ratings from 5 to 100µm
- Supported with a comprehensive Product Validation Guide
- Manufactured under strict control with batch number identification, giving full traceability on all components

Industries and Applications

Food and Beverage	•	Bottled water, Beers, Wines, Polishing lines, General clarification
Pharmaceutical	•	Solvent discharge, Raw water supplies, batch transfers
Fine Chemicals	•	Polymers, Acids, Bases, Solvents
Water Treatment	•	Pre reverse osmosis, UV protection, Resin trap
Automotive	•	Wash solutions, Cooling fluid, Blanking wash oils, Electrophoretic paints
Oil & Gas	•	Water injection systems, Amine streams, Glycols
Power Generation	•	Water treatment (boiler feed sweetening), return condensate lines



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SupaSpun HFC Technical Data

Dimensions

Outside Diameter: 160mm

Sterilisation and Sanitisation

Hot Water: 95°C for 30 mins

Maximum Operating Conditions

Temperature: 80°C

Normal operating mode is inside to outside flow direction

Materials of Construction

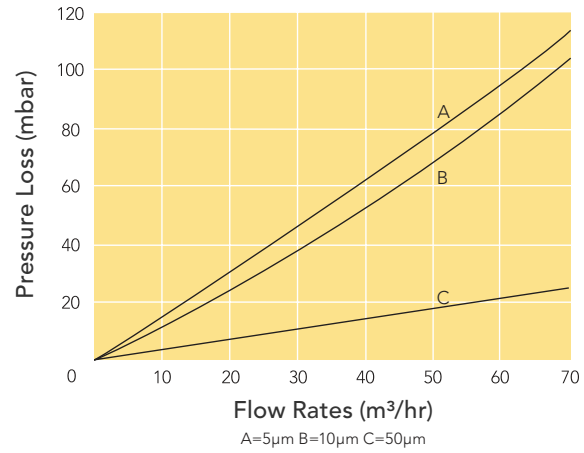
Filter Media: Polypropylene (PP)
 Cage: Polypropylene (PP)
 End Cap: Reinforced Polypropylene

Product validation guide available on request.

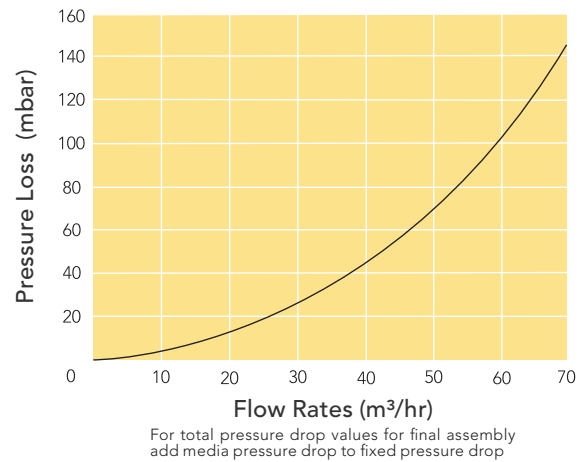
Recommended change-out differential pressure: 2.5 Bar

Maximum ΔP	PP Media
@ 20°C	3.4

Flow Rates for Water (40" Element)



Fixed Pressure Drop Values for HFC Hardware



Ordering Guide

14P	P	010 -	20	C	S	A	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
14P - Polypropylene	P - Polypropylene	005 - 5µm 010 - 10 020 - 20 030 - 30 040 - 40 050 - 50 070 - 70 100 - 100	20 - 527mm 40 - 1038 60 - 1541	C - SOE	S - Silicone V - Viton B - Buna E - EPDM	A - Amazon	

Example: 14PP010-40CSA = Polypropylene media and assembly, 10µm rating, double length 1038mm (40") long, with a silicone seal

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