

# SupaSpun FFC

## Large Diameter Depth Cartridge



SupaSpun FFC 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.

Operating in the forward flow direction they are available in 20", 40" and 60" lengths offering significantly quicker cartridge replacement when compared to changing out many, many conventional 65mm diameter cartridges.

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

- High efficiency absolute rated 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 FFC fibres are blown continuously onto a central core, 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 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

- |                          |   |
|--------------------------|---|
| <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 Chemical</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         |



# SupaSpun FFC Technical Data

## Dimensions

Outside Diameter: 160mm

## Sterilisation and Sanitisation

Steam or Autoclave 121°C (10 cycles)

Hot Water: 90°C for 30 mins

## Maximum Operating Conditions

Temperature 80°C

## Material of Construction

Filter Media: Polypropylene (PP)

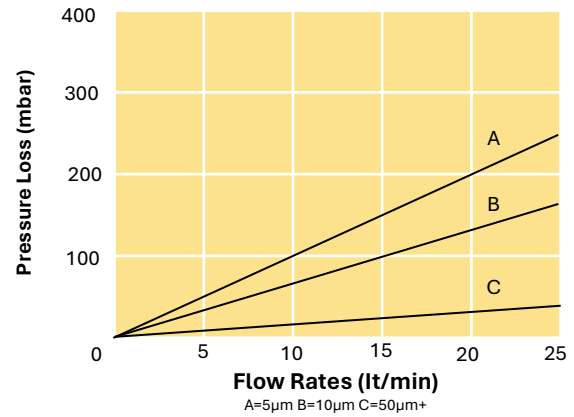
Cage & End Caps Polypropylene (PP)

Product validation guide available on request.

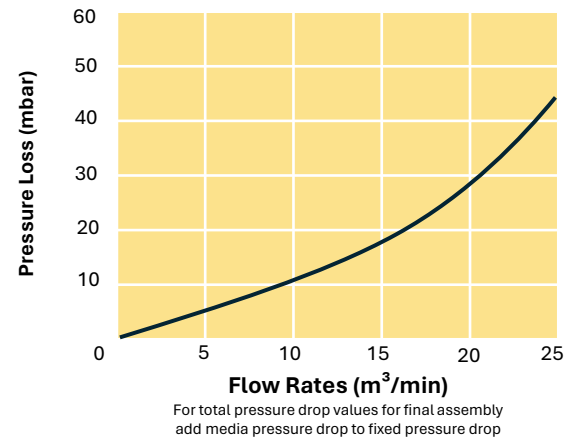
Recommended change-out differential pressure: 2.5 Bar

Maximum $\Delta P$	PP Media
@ 20°C	4.0

Flow Rates for Water  
(40" Element)



Fixed Pressure Drop  
Values for FFC Hardware



## Ordering Guide

23P	P	005-	20	P	S	A	
Media	Core/Assembly	Micron Rating	Length	End Caps	Seal	Branding	Options
23P - Polypropylene	P - Polypropylene S - Polypropylene End Caps, 304 St.St Core and Cage*4	005 - 5µm 010 - 10 020 - 20 030 - 30 040 - 40 050 - 50 070 - 70 100 - 100	<b>Code H/P</b> 20 - 509mm 40 - 1020 60 - 1522  <b>Code E</b> 39 - 930mm (3M Cuno 740 Series retrofit)  <b>Code G</b> 60 - 1512mm (Pentair cartridge retrofit)	H - Code H*1 P - Code P*2 E - Code E*3 F - Code F G - Code G	S - Silicone V - Viton B - Buna N E - EPDM	A - Amazon	

Example: 23PP005-20PSA = Polypropylene media and cage, 5µm rating, single length 527mm (20") long, Code P connections with a silicone seal  
\*1 27 and 6601 Series housings only \*2 Multi-round 66 Series housings only \*3Length 39 only) \*4 304 St.St Core Standard when using End Cap option F



This product is made from a sustainable source of polypropylene.

Scan to Learn More



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