

# SUPASPUN II

AMAZON

## ABSOLUTE RATED DEPTH CARTRIDGE



**SUPASPUN II** precision graded density filter elements are a further development of our already well proven absolute rated depth type filter. These high performance cartridges excel in dirt holding capacity and give extremely low clean pressure losses as a result of the strictly controlled manufacturing of the fibre matrix.

**SUPASPUN II** filter cartridges are produced using an improved manufacturing process resulting in the following features:-

### Absolute Rated Filter Media

- Available from 0.3 to 180µm
- Polypropylene or nylon 6
- Consistent reliable performance

### Unique Construction

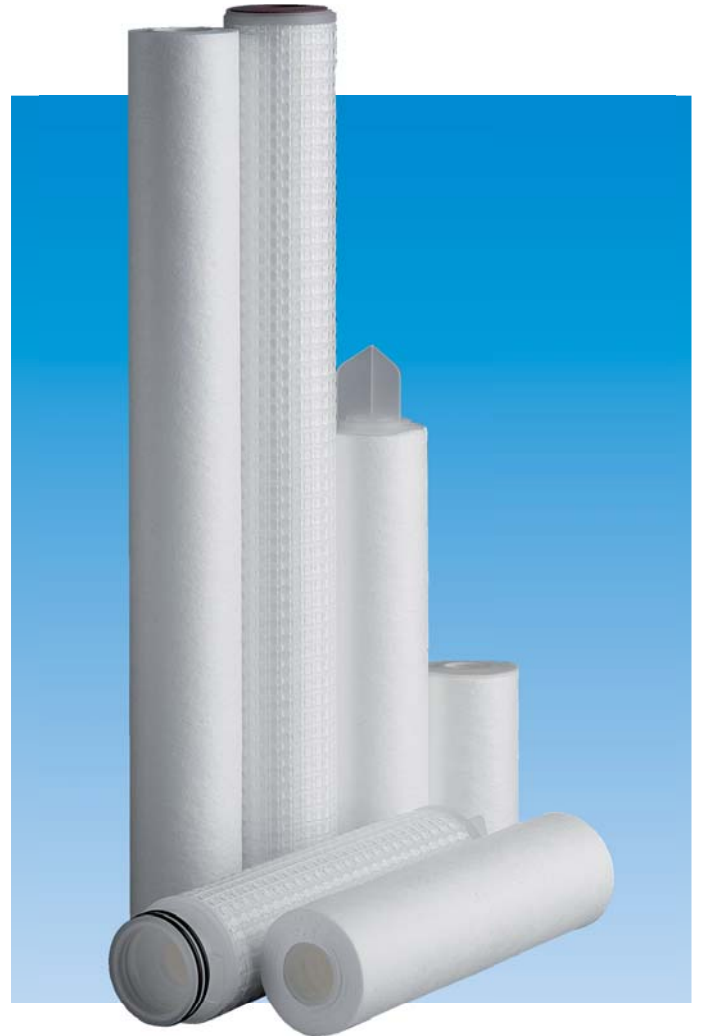
- One piece high strength support core
- High void volume, resulting in low clean  $\Delta p$  and excellent dirt holding capacity
- End cap welded direct to the core for extra security and strength
- Thermally bonded fibre matrix minimises fibre migration
- One piece construction up to 1524mm (60")
- **SUPASPUN II ADVANTAGE** grade featuring moulded end caps and rigid outer support cage
- Optional glass filled core and end caps for high strength / temperature applications

### Product Features

- 100% polypropylene or nylon 6
- Materials meet US FDA Title 21 and USP Class VI requirements (PP Only)
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 (PP Only)
- WRAS listed and Reg 31 approved for use in UK potable water supplies (PP only)

**SUPASPUN II** fibres are blown continuously onto a central support core, with fibre diameters controlled to produce different pore sizes throughout the extrusion process. All the layers are inter-linked to offer maximum support while ensuring that the high void volume is maintained, but with increasing fibre density towards the cartridge central core - therefore resulting in true depth filtration.

Elements are available up to 1524mm (60") in length, either double open ended or with most common end cap fittings.



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## SUPASPUN II FEATURES AND BENEFITS

- Absolute removal ratings for consistent and reliable performance
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Wide chemical compatibility using optional materials, polypropylene and nylon 6
- Range of Absolute ratings from 0.3 to 180µm (Beta Ratio 5000 on 0.3 to 20µm, Polypropylene media only)
- Thermal bonding process minimises media migration and ensures minimal extractables
- Identification data embossed on every cartridge
- **ADVANTAGE** grade featuring moulded end caps and rigid outer support cage
- Cartridges only need to be flushed with site water for 30minutes before the filters can be brought into full service

## TECHNICAL DATA

Dimensions	PP	NN
Outside Diameter:	64mm	64mm
Core Diameter:	28mm	27mm
Length:	See ordering guide	

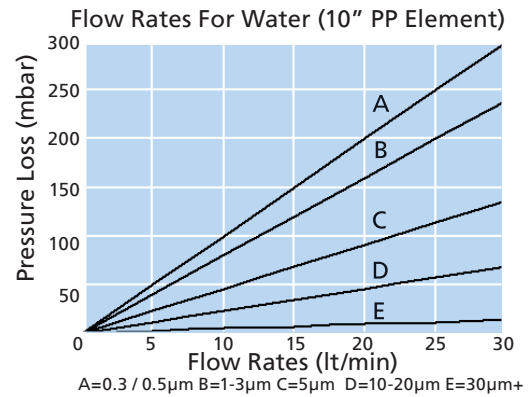
### Sterilisation and Sanitisation\*

Steam:	121°C for 15 mins (20 cycles)
Hot Water:	90°C for 30 mins (0.2 bar Δp max)

### Maximum Operating Conditions

Temperature	04PP:	80°C
	04PD:	100°C*
	04NN:	150°C
	04PT:	100°C

\*Applies to single open end cartridges only. For all steaming and hot water applications, the Glass Filled end cap option must be used (PP Only)



Recommended Maximum Differential Pressure: 1.5 Bar

Maximum ΔP	PP Media PP Core	PP Media GFPP Core	Nylon Media Nylon Core	PP Media St.St Core
@ 20°C	4.0	4.0	4.0	4.0
@ 50°C	1.5	4.0	4.0	4.0
@ 80°C	0.25	2.4	1.0	4.0
@ 100°C	-	1.5	0.5	4.0

Product validation guide available on request. All SUPASPIN II cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

## ORDERING GUIDE

MEDIA	CORE/ASSEMBLY	MICRON RATING	LENGTH	END CAPS	SEAL	OPTIONS
P - Polypropylene N - Nylon	STANDARD P - Polypropylene D - Glass filled polypropylene N - Nylon 6 T - 316 St. St. A - Nylon with Voile V - Polypropylene with Voile  ADVANTAGE W - Outer cage + moulded ends Y - Outer cage + glass filled core + moulded ends	00X - 0.3µm* <sup>2</sup> 000 - 0.5* <sup>2</sup> 001 - 1.0 002 - 2.0 003 - 3.0 005 - 5.0 010 - 10 020 - 20 030 - 30 050 - 50 070 - 70 090 - 90 120 - 120 150 - 150 180 - 180	05 - 125mm 09 - 251 10 - 254 13 - 332 20 - 508 30 - 762 40 - 1016 60 - 1524	N - None A - Code A B - Code B* <sup>3</sup> D - Code D S - Code S 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8 0 - Code 0	N - None B - Buna E - EPDM F - FEP/Silicone P - PE Gasket S - Silicone V - Viton	G - Glass filled PP end cap

Example: 04PP005-20NNA = Polypropylene media and core, 5µm rating, double length 508mm (20") long, Double open connections, no seal  
\*<sup>2</sup>Polypropylene only \*<sup>3</sup>Code B - to fit Amazon 50 Series housings only

## INDUSTRIES AND APPLICATIONS

<b>Food and Beverage</b>	• Bottled water, Beers, Wines, Flavours, Polishing lines, Clarification
<b>Pharmaceuticals</b>	• Membrane pre-filtration, Ophthalmics, Oral medications
<b>Fine Chemicals</b>	• Polymers, Photoresists, Acids, Bases, Solvents
<b>Electronics</b>	• High purity water, Photoresists, Acids, Etch solutions
<b>Cosmetics</b>	• Alcohol, Creams, Lotions, Essential oils, Mouthwashes
<b>Metal Finishing</b>	• Plating solutions, Wash solutions, Paints, Resins, Varnishes
<b>Water Treatment</b>	• Potable water, Resin trap, Pre/Post UV, Membrane protection
<b>Automotive</b>	• Blanking wash oils, Electrophoretic paints, Top Coats, Hydraulic fluids
<b>Petrochemicals</b>	• Amine stream, Glycol solutions, Water injection and Membrane protection

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