

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

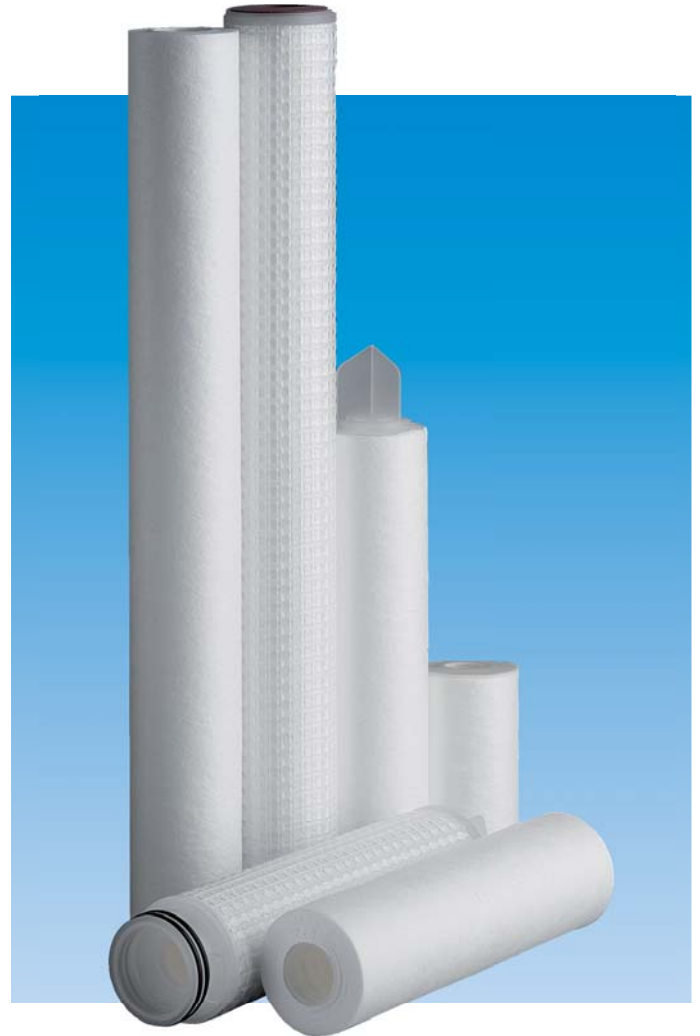
- One piece high strength support core
- High void volume, resulting in low clean Δp and excellent dirt holding capacity
- End cap welded direct to the core for extra security and strength
- Thermally bonded fibre matrix minimises fibre migration
- One piece construction up to 1524mm (60")
- **SUPASPUN 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)
- 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.



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, PP 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

SUPASPUN II

TECHNICAL DATA

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

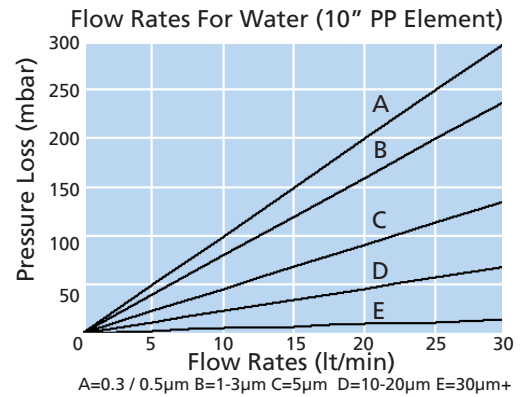
Sterilisation and Sanitisation*1

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

Maximum Operating Conditions

Temperature	04PP:	80°C
	04PD:	100°C*1
	04NN:	150°C
	04PT:	100°C

*1Applies to single open end cartridges only. For all steaming and hot water applications, the stainless steel end cap insert or Glass Filled end cap option must be used (PP Only)



Recommended Maximum Differential Pressure: 1.5 Bar

Maximum DP	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*2 000 - 0.5*2 001 - 1.0 003 - 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*3 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	S - St.St Insert 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
*2 Polypropylene only *3 Code B - to fit Amazon 50 Series housings only

INDUSTRIES AND APPLICATIONS

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

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