

SUPASpun II

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 reinforced polypropylene core and end caps for high strength / temperature applications

Product Features

- 100% polypropylene or nylon 6
- Materials meet US FDA CFR Title 21
- Meets USP Class VI requirements (PP only)
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 (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.

Features and Benefits

- All individual packing bags are anti static
- 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)
- 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

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

AMAZON

SupaSpun II Technical Data

Dimensions	PP	NN
Outside Diameter:	64mm	64mm
Core Diameter:	28mm	27mm

Sterilisation and Sanitisation*1

Steam: 121°C for 240 Cycles of 60 mins each
135°C for 8 Cycles of 30 mins each

Hot Water: 90°C for 30 mins (0.2 bar Δp max)

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

Maximum Operating Conditions

Temperature:	04PP:	80°C
	04PD:	100°C
	04NN:	150°C
	04PS:	100°C

Recommended change-out differential pressure: 2.5 Bar

Maximum Δp	PP Media PP Core	PP Media Reinforced PP Core	Nylon Media Nylon Core	P P 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 SupaSpun II cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Flow Rates for Water
(10" PP Element)

