

## SUPASpun II

**AMAZON FILTERS LTD.**

### ABSOLUTE RATED DEPTH FILTER 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**

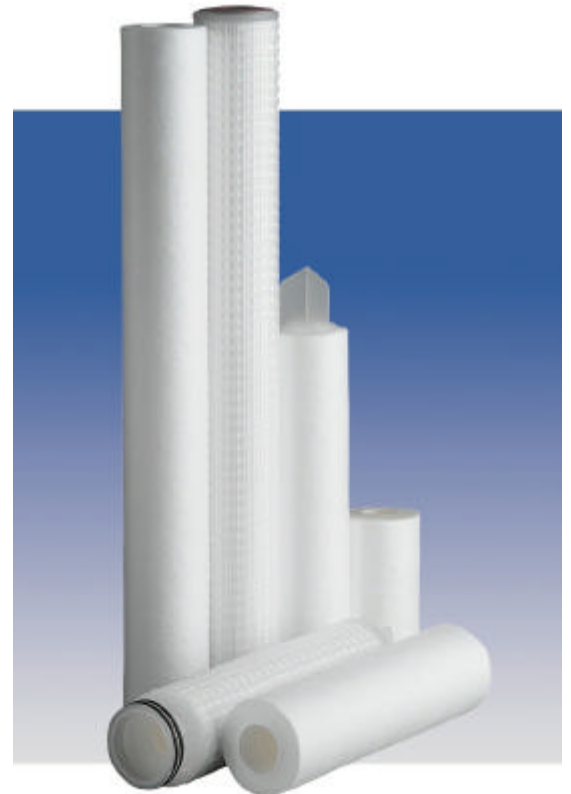
- Available from 0.5 to 180µm
- Polypropylene or Nylon
- Consistent reliable performance

#### **Unique Construction**

- One piece high strength moulded 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 stops fibre migration
- One piece construction up to 1524mm (60")

#### **Manufacturing Properties**

- 100% Polypropylene or Nylon
- Materials meet FDA requirements throughout
- WRc listed for potable water production facilities (polypropylene option only)
- No resins, binders or anti-static agents
- Wide chemical compatibility



### 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
- Range of Absolute ratings from 0.5 to 180µm (Beta Ratio 5000 on 0.5 to 20µm, PP only)
- Thermal bonding process stops media migration and ensures minimal extractables
- Identification imprinted on every cartridge

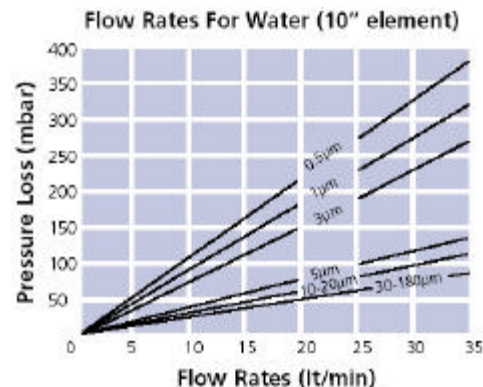
## TECHNICAL DATA

### Material of Construction

	PP	NN
Filter Media:	Polypropylene	Nylon
Core:	Polypropylene (Glass filled)	Nylon
End caps (opt.)	Polypropylene	Nylon

### Dimensions

Length:	See ordering guide
Outside Diameter:	64mm
Core Diameter:	28mm



### Maximum Operating Conditions

	PP media PP core	PP media GFPP core	Nylon media Nylon core
Recommended $\Delta p$ @ 20° C	1.5 bar	1.5 bar	1.5 bar
Maximum $\Delta p$ @ 20° C	4.0 bar	4.0 bar	4.0 bar
@ 50° C	1.5 bar	2.5 bar	4.0 bar
@ 80° C	0.25 bar	1.0 bar	1.0 bar
@ 150° C	-----	-----	0.5 bar

### Sterilisation and Sanitisation\*

Steam - 121° C for 15 mins (10 cycles)

Hot Water: - 82° C for 30 mins (0.2 bar  $\Delta p$  max)

\*Applies 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.

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

## ORDERING GUIDE

04	MEDIA	CORE/ASSEMBLY	MICRON RATING	Length	CONNECTIONS	SEAL	SPECIAL OP- TIONS
P - Polypropylene N - Nylon	STANDARD P - Polypropylene D - Glass Filled Polypropylene N - Nylon	ADVANTAGE U - Outer cage W - Outer cage + moulded ends X - Outer cage + Glass filled core Y - Outer cage + Glass filled core + moulded ends	000 - 0.5 (PP only) 001 - 1 µm 003 - 3 µm 005 - 5 µm 010 - 10 µm 020 - 20 µm 030 - 30 µm 050 - 50 µm 070 - 70 µm 090 - 90 µm 120 - 120 (PP only) 150 - 150 (PP only) 180 - 180 (PP only)	05 - 125 mm 09 - 251 mm 10 - 254 mm 19 - 500 mm 20 - 508 mm 30 - 762 mm 40 - 1016 mm	N - None (DOE) A - Code A B - Code B * S - Code S (PP only) 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8	N - None P - Polyethylene E - EPDM S - Silicone V - Viton B - Buna F - FEP/Silicone	S - St.St Insert G - Glass filled end cap

Example: 04PP005-20NNA = Polypropylene media and core, Absolute 5 micron rating, double length 508mm (20") long, Double open end fitting, no seal.

\*Code B - to fit Amazon 50 Series housing 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

The manufacturer reserve the right to change specification without prior notice, as part of their continuous product development programme. (04PP/05.2003)