

F TECH - SPUN II

ABSOLUTE RATED DEPTH FILTER CARTRIDGE

FTECH-SPUN 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.

FTECH-SPUN 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")
- FTECH-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

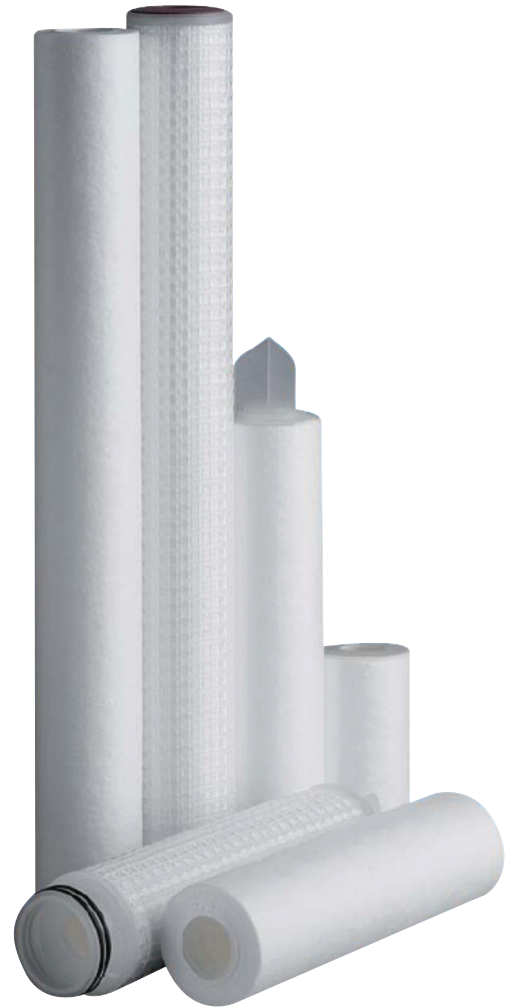
- 100% Polypropylene or Nylon 6
- Materials meet US FDA Title 21 and USP Class VI requirements (PP Only)
- WRAS listed and Reg 31 approved for use in UK potable water supplies (PP only)

FTECH-SPUN 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.

Ftech-SPUN 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 and traceability data embossed on every cartridge
- ADVANTAGE grade featuring moulded end caps and rigid outer support cage



TECHNICAL DATA

Dimensions

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

Sterilisation and Sanitisation *I

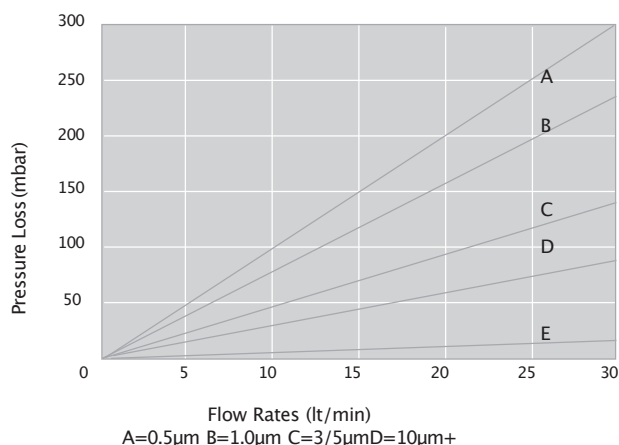
Steam: 121°C for 15 mins (20 cycles)
Hot water: 90° for 30 mins (0.2 bar Δp max)

Maximum Operating Conditions

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

*I Applies to single open end cartridges only. For all steaming and hot water applications, the stainless steel end cap insert or glass filled PP end cap option must be used.

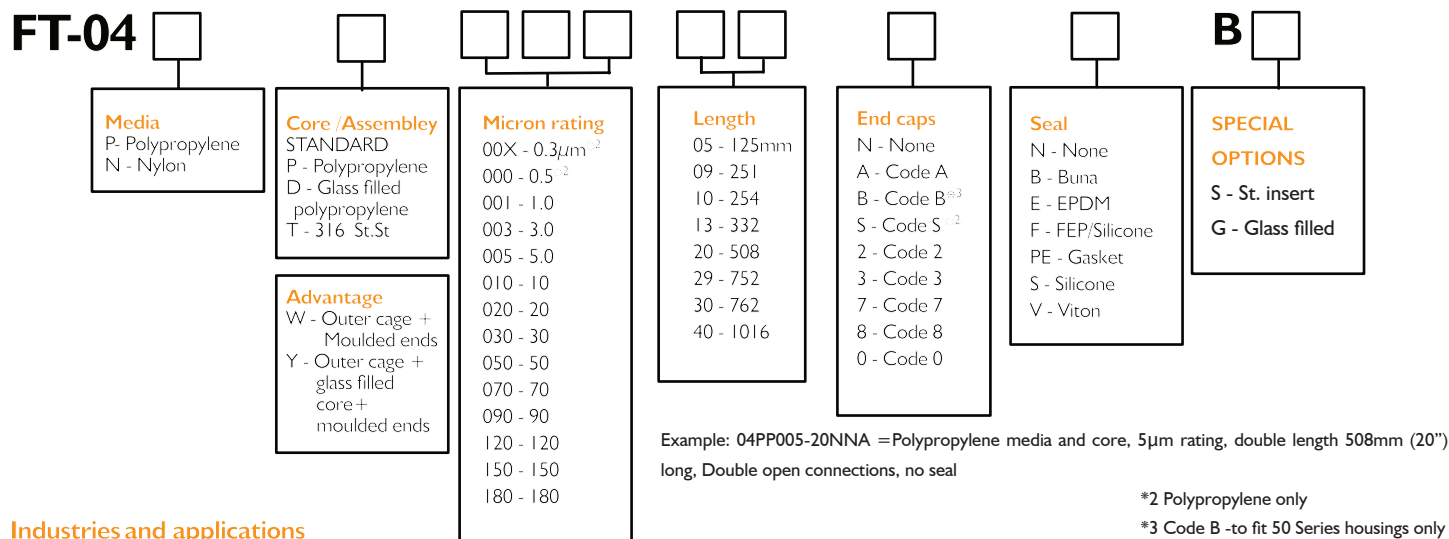
Flow Rates For Water (10" PPElement)



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	2.5	4.0	4.0
@ 80°C	0.25	1.0	1.0	4.0
@ 150°C	-	-	0.5	4.0

Ordering Guide



Industries and applications

- **Food and Beverage:** Bottled water, Beers, Wines, Flavours, Polishing lines, Clarification
- **Pharmaceutical:** 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