

SUPAGARD

Nominal Rated Depth Cartridge



SupaGard is the latest development in nominal rated spun bonded filter cartridge design.

Manufactured with a true graded density, these elements exhibit a high void volume that results in low clean differential pressure losses and an excellent dirt holding capacity when compared to similarly rated elements. Each cartridge is complete with an integral support for maximum strength. The superior structure remains integral even under severe operating conditions and is less prone to media migration and breakthrough, often found on other unsponbonded products.

SupaGard cartridges are produced using a unique manufacturing process resulting in the following features:-

Nominal Rated Filter Media

- Available from 0.5 to 200µm
- Consistent reliable performance



Unique Construction

- One piece high strength all polypropylene 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")
- SupaGard Advantage grade featuring moulded end caps and rigid outer support cage
- Optional GF core and end caps for high strength / temperature applications

Product Features

- 100% Polypropylene
- Materials meet US FDA Title 21 and USP Class VI requirements
- Meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004

SupaGard fibres are blown continuously onto a central support core, without the need for binders, resins or lubricants. This results in a one piece construction that is resistant to unloading and media shedding. True depth filtration results from the



closely controlled fibre production in manufacturing.

Elements are available up to 1524mm (60") in length, either double open ended or with most common end cap fittings, and also in 10" and 20" B-Blue sizes.

Water Regulations Advisory Scheme (WRAS)

Filters have passed the UK Water Bylaws / WRC 'Full Test of Effect on Water Quality (BS6920:Part 3) – Cold Water Use' and are suitable for use in potable water

Features and Benefits

- Consistent and reliable performance and efficiency
- Identification embossed on every cartridge
- Graded density structure for maximum dirt holding capacity
- Increased void volume giving high flow rates and low initial pressure losses
- Wide chemical compatibility, using 100% polypropylene to meet FDA requirements
- Range of Nominal ratings from 0.5 to 200µm
- Thermal bonding process minimises media migration and ensures minimal extractables
- Advantage grade featuring moulded end caps and rigid outer support cage
- B-Blue large diameter cartridges available in all grades
- All individual packing bags are anti static

Industries and Applications

- | | |
|--------------------------|--|
| Food and Beverage | • Bottled water, Flavours, Polishing lines, Trap filters |
| Pharmaceuticals | • Base product clarification, Membrane pre-filtration, Bulk transfer |
| Fine Chemicals | • Solvents, Process streams, Water purification, Acids, Alcohols |
| Petrochemicals | • Waterflood, Completion fluids, Amine streams, Glycol |
| Cosmetics | • Alcohols, Essential oils, Water lines, Transfer filters |
| Water Treatment | • Membrane protection (Reverse Osmosis, Nano), Resin trap, Potable water |
| Metal Finishing | • Plating solutions, Paint and resin products, Wash solutions |

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SupaGard Technical Data

Dimensions

Outside Diameter: 64mm
116mm (B-Blue)
Core Diameter: 28mm

Maximum Operating Conditions

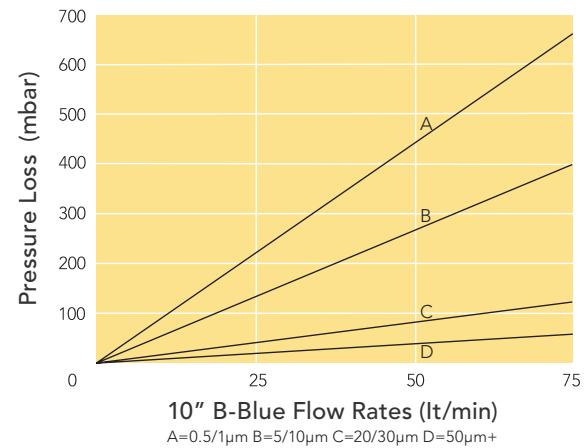
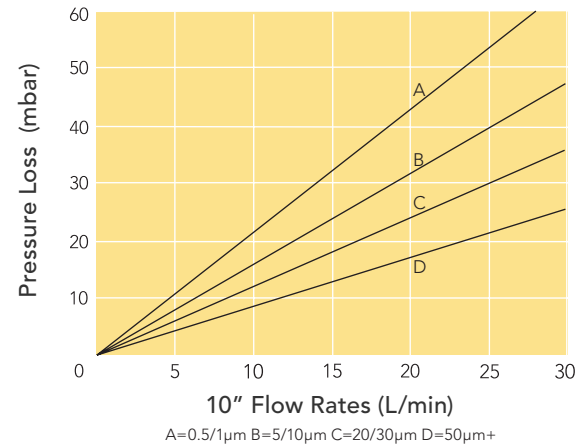
Temperature: 07PP: 80°C
07PD: 100°C
07PS: 100°C

Recommended change-out differential pressure: 2.5 Bar

| Maximum ΔP | PP Media PP Core | PP Media Reinforced PP Core | PP Media St.St Core |
|------------|---------------------|-----------------------------------|------------------------|
| @ 20°C | 4.0 | 4.0 | 4.0 |
| @ 50°C | 1.5 | 4.0 | 4.0 |
| @ 80°C | 0.25 | 2.4 | 4.0 |
| @ 100°C | - | 1.5 | 4.0 |

Product Validation Guide available on request.

Flow Rates for Water
(10" Element)



Ordering Guide

| 07P | P | 001 - | 09 | N | N | A | |
|---------------------|---|--|---|--|---|------------|--|
| Media | Core / Assembly | Micron Rating | Length | End Caps | Seal | Branding | Options |
| 07P - Polypropylene | Standard P - Polypropylene D - Reinforced Polypropylene S - St.St V - Polypropylene with Voile Advantage W - Outer cage + Moulded Ends Y - Outer cage + Reinforced Polypropylene core + Moulded Ends | 000 - 0.5µm 001 - 1.0 005 - 5.0 010 - 10 020 - 20 030 - 30 050 - 50 075 - 75 100 - 100 150 - 150 200 - 200 | 05 - 125mm 09 - 251 10 - 254 19 - 500 20 - 508 29 - 752 30 - 762 39 - 1002 40 - 1016 60 - 1524 | N - None A - Code A B - Code B* ¹ 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 G - FEP / Viton P - PE Gasket S - Silicone V - Viton | A - Amazon | BB - B-Blue* ² G - Reinforced Polypropylene End Caps |

Example: 07PP005-20NPA = Polypropylene media and core, 5µm rating, double length 508mm (20") long, with Polyethylene seal.

*¹ Code B - to fit Amazon 50 Series housings only

*² B-Blue cartridges available in 251 and 508mm lengths, double open ended only.

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