

Prefilter VFS^{SUPAGARD}

Nominal Rated Depth Cartridge



VFS 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 unsupported spunbonded products.

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

Nominal Rated Filter Media

- Available from 1 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
- Thermally bonded fibre matrix minimises fibre migration

Product Features

- 100% Polypropylene
- Materials meet US FDA Title 21 and USP Class VI requirements

VFS 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. The process environment ensures a consistent and reliable high



quality element. Elements are available either double open ended or with end cap fittings.

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 1 to 200µm
- Thermal bonding process minimises media migration and ensures minimal extractables
- Advantage grade featuring moulded end caps and rigid outer support cage
- 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

SupaGard Technical Data

Dimensions

Outside Diameter:	64mm
Core Diameter:	28mm
Length:	251 mm (9 ¾")

- A= 1µm
- B=5/10µm
- C=20/30µm
- D=50µm+

Flow Rates for Water
(9 ¾" Element)



