

SUPAGARD

AMAZON FILTERS LTD.

NOMINAL RATED POLYPROPYLENE FILTER CARTRIDGE

SUPAGARD is the latest development in nominal rated spun bonded filter cartridge design. Produced with an integral support core for strength and high void volume, these elements excel against similarly rated cartridges in terms of life and cost effectiveness. The superior structure remains integral even under severe operating conditions and is less prone to media migration and breakthrough often found on other unsupported spun bonded products.

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

Nominal Rated Filter Media

- Available from 1 to 150µm
- Consistent reliable performance

Unique Construction

- One piece high strength all polypropylene moulded 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 stops fibre migration
- One piece construction up to 1016mm (40")

Manufacturing Properties

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

SUPAGARD fibres are blown continuously onto a central moulded 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, and also the process environment which ensures a consistent and reliable high quality element.

Standard size elements are available up to 1016mm (40") in length, either double open ended or with most common end cap fittings, and also in 10" and 20" Big Blue sizes.



SUPAGARD FEATURES AND BENEFITS

- Consistent and reliable performance and efficiency
- Identification imprinted 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 150µm
- Thermal bonding process stops media migration and ensures minimal extractables

TECHNICAL DATA

Material of Construction

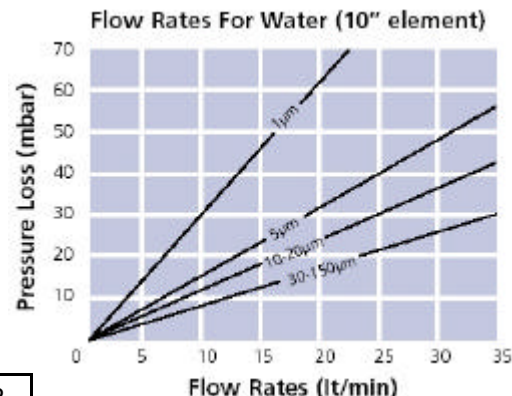
Filter Media: Polypropylene
Core: Polypropylene
Glass filled polypropylene

Dimensions

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

Maximum Operating Conditions

	PP core	GFPP core
Recommended Δp @ 20° C	1,5 bar	1,5 bar
Maximum Δp @ 20° C	4,0 bar	4,0 bar
@ 50° C	1,5 bar	2,5 bar
@ 80° C	0,25 bar	1,0 bar



ORDERING GUIDE

07 ○ ○ ○ ○ ○ - ○ ○ ○ ○ ○ P ○ ○

MEDIA	CORE/ASSEMBLY	MICRON RATING	Length	CONNECTIONS	SEAL	SPECIAL OPTIONS
P - Polypropylene	STANDARD	001 - 1 µm	05 - 125 mm	N - None (DOE)	N - None	BB - Big Blue
	P - Polypropylene	005 - 5 µm	09 - 251 mm	A - Code A	P - Polyethylene	G - Glass filled end cap
	D - Glass Filled	010 - 10 µm	10 - 254 mm	B - Code B *	E - EPDM	
	Polypropylene	020 - 20 µm	19 - 500 mm	S - Code S	S - Silicone	
		030 - 30 µm	20 - 508 mm	2 - Code 2	V - Viton	
		050 - 50 µm	29 - 752 mm	3 - Code 3	B - Buna	
		075 - 75 µm	30 - 762 mm	7 - Code 7	F - FEP/Silicone	
	ADVANTAGE	100 - 100 µm	39 - 1.002 mm	8 - Code 8		
	U - Outer cage	150 - 150 µm	40 - 1016 mm			
	W - Outer cage + moulded ends					
	X - Outer cage + Glass filled core					
	Y - Outer cage + Glass filled core + moulded ends					

Example:

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

*Code B - to fit Amazon 50 Series housing only.

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.
- Magnetic Coatings** • Dispersions, Coating lines, Solvents.
- 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.

The manufacturer reserve the right to change specification without prior notice, as part of their continuous product development programme. (07PP/05.2003)