ROSEDALE PRODUCTS EUROPE LIMITED

Cartridge Filter Media

COST EFFECTIVE FILTRATION

Filter Cartridges: Granular Active Charcoal [GAC]

Removal of trace Chemicals, solvents and metal treatment fluids including chlorine, VOC's, hydrocarbons and organic impurities.

Rosedale has combined our understanding and market leading design of Sorbent Filtration baskets and combined it into a easy to handle cost effective charcoal cartridge which now sets the benchmark in the market.

Prioritising quality and capability where others prioritise cost. These GAC cartridges are packed with real charcoal chip rather than being made of inferior charcoal impregnated paper and are made in the UK.

Available in a range of diameters, lengths, end-configurations and seals to suit most application.

The revolutionary design uses partitioned 10" sections wrapped in a layer of 10 micron polypropylene cloth to optimise flow and ensure constant, even distribution of the carbon chip contained within maximising liquid exposure without compromising quality.

Rosedale's construction option offers compatibility with water, animal or vegetable oils, organic solvents, alkalis, oxidizing agents, organic acids, mineral acids as well as micro-organisms all found in the Food and Beverage sector and the manufacturing process ensures compliance with FDA standards, also meeting the requirements for food contact detailed in European Regulation Number 1935/2004

COMMON APPLICATIONS

- Food Products
- Liquor
- Edible Oils
- High Purity Fluids
- Water Processing including potable water
- Resins, paints, inks and photographic emulsions

MAXIMUM OPERATING TEMPERATURE

- **Polypropylene:** 97°C (200°F)

SUGGESTED DIFFERENTIAL PRESSURE

- **Maximum:** 2.4 bar (35PSIG) dirty
- **Optimum:** 0.7-1.0 bar (10-15PSIG)

MATERIALS OF CONSTRUCTION

- **Filter Media:** Granular Activated Charcoal [GAC]
- **Core:** Polypropylene, Stainless Steel
- **End caps:** Polypropylene, Aluminium
- **Seals:** Nitrile, EPDM, Viton, PTFE or Silicon available.

Manufactured in the UK from FDA-compliant materials

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Cartridge Filter Media

Removes 21,000mg (avg) chlorine per 10”

Reduces Chlorine by up to 99% in single pass

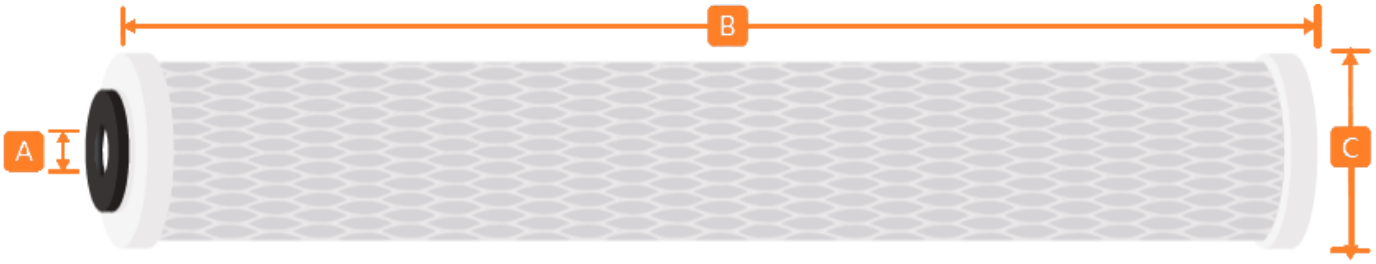
Lasts for up to 105,000 process litres per 10”

Based on free chlorine concentration of 0.2mg/l

Available for most housing types

Flow rates 3.8lpm per 10”

Pressure drop 0.3 Bar



Dimensions (mm)				
Length	A	B	C (Diameter)	
			2	4
10	28	248	71	115
20	28	508	71	115
30	28	762	71	115
40	28	1016	71	115

Identification and ordering of filters

Example:

Spun bonded, polypropylene, 10 micron, 10”, 2.5” diameter, stainless steel core, double open ended, no caps and with nitrile seals

SB - PO - 10 - 10 - 2 - SS - 1N - B

Type		Material		Micron Rating (Nominal)	Length (Inches)	Diameter (Inches)		Core		Fitting		Cap Material		Seals	
Compound Removal	**CR**	Activated Charcoal	**PC**	**#**	**10**	2.5”	**2**	Polypropylene	**PO**	Double Open End	**1**	**N**	No Cap	Nitrile	**B**
					20	4”	**4**	Stainless Steel	**SS**	Single Open End	**2**	**PO**	Polypropylene	EPDM	**EPDM**
					30					222	**3**	**AL**	Aluminium (+4mm OAD)	Viton	**V**
					40					226	**4**			PTFE	**PTFE**
										222 with Spear	**5**			Silicone	**SI**
										226 with Spear	**6**				

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