

SUPACARB BEco

Eco Carbon Block Cartridges



SupaCarb BEco filter cartridges feature an acid washed, high purity coconut based carbon block combined with a melt blown fibre pre-filter layer to produce an economically superior high-capacity carbon block filter. This makes it ideally suited to the treatment of potable water systems for the reduction of taste, odour and other contaminants including solids.

The BEco grade offers an extremely economical solution to many common liquid treatment applications where a need for effective carbon treatment is required. The rigid block construction eliminates any potential bypass.

The SupaCarb BEco is available in standard diameter with lengths up to 40".



Product Features

- High purity coconut based carbon block media
- Single piece construction up to 40" length
- Polymeric and Elastomeric materials meet US FDA Title 21 requirements
- Cartridges have been tested and certified to NSF 42

Featuring a 5µm nominal rating, the SupaCarb BEco is an ideal choice for efficient, trouble free filtration when compared to conventional Granular Activated Carbon cartridges. The SupaCarb BEco will not fluidise, channel or bypass, therefore maximising the effectiveness of the carbon media.

The SupaCarb BEco are ideal for use the 28 Series polymeric range of filter housings but can be used in the full range of stainless steel single and multi-cartridge filter housings available from Amazon Filters Ltd.

Features and Benefits

- Effective carbon surface area for excellent chlorine reduction characteristics
- Outer filtration layer for effective sediment removal and protection of the carbon media
- All polymeric construction offers excellent chemical compatibility and stability in aqueous solutions
- Minimal carbon release when compared to conventional loose filled granular (GAC) style cartridges
- Individually bagged and identified
- One piece construction eliminates fluidising, channelling or bypass

See product guides for further details of test methods and rated efficiencies

Industries and Applications

- | | |
|--------------------------|---------------------------------------------------------------------------------------|
| Potable Water | • Chlorine reduction, taste and odour removal, solids reduction |
| Metal Finishing | • Organic reduction in plating baths, removal of surfactant |
| Food and Beverage | • Colour reduction in alcohol, Bottled waters, General clarification, Ozone reduction |
| Water Treatment | • Chlorine, odour, colour and trace organic reduction, hydrocarbon reduction |



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SupaCarb BEco Technical Data

Dimensions

Outside Diameter: 66.5mm
Core Diameter: 27mm

Maximum Operating Conditions

Temperature: 38°C
Recommended change-out differential pressure: 2.5 Bar

Product validation guide available on request. All SupaCarb BEco cartridges are manufactured under strict control with batch number identification, giving full traceability on all components.

Chlorine Reduction Capacity Data (10" Element)

Cartridge Type	Flow Rate (litres/min)	Chlorine reduction capacity (litres)
06BE	3.8	23000

The above test is based on challenging a 10" filter with water containing 2 ppm of free chlorine. The chlorine reduction capacity is the volume, in litres, of water from which the filter will successfully remove >96% of free chlorine present upstream of the filter when operating at given flow rate.

Flow Rates for water (10" Element)

Cartridge Type	Max flow rate for odour, taste and chlorine reduction (litres/min)	Recommended max flow rate for >96% chlorine reduction capacity (litres/min)
06BE	5 @ 25mBar Dp	3.8 @ 20mBarDp

Note: For safety reasons, the Amazon SupaCarb range of cartridge elements should only be used on microbiologically safe water supplies. Activated carbon cartridges are not designed to remove or kill bacteria or viruses. All the data shown should be treated with caution, actual results will vary with the different combinations of organic content present, pH variations and temperature, and should not be considered a warranty of any kind.

Ordering Guide

06BE	005 -	20	3	E	A	
Carbon/Media	Micron Rating	Length	Connections	Seal	Branding	Options
06BE - Sintered Block	005 - 5.0µm	09 - 249mm 20 - 509 30 - 763 40 - 1017	0 - DOE A - Code A B - Code B* ² S - Code S 2 - Code 2 3 - Code 3 7 - Code 7 8 - Code 8	B - Buna E - EPDM F - FEP / Silicone S - Silicone V - Viton	A - Amazon	G - Reinforced Polypropylene End Cap

Example: 06BE005-203EA = Sintered Block media, 5.0µm rating, double length 20" long, code 3 connections with EPDM seal.
² Code B - to fit Amazon 50 Series housings only.

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