

# SUPACARB BE

## BE Carbon Block Cartridges



SupaCarb BE filter cartridges feature an acid washed, high purity coconut based carbon block combined with a double layer, 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 BE 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 BE is available in standard diameter and B-Blue versions and in both 10" and 20" lengths.



### Product Features

- High purity coconut based carbon block media
- One piece construction at 10" and 20" lengths
- Double open end construction as standard
- Available in conventional and B-Blue sizes
- 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 BE is an ideal choice for efficient, trouble free filtration when compared to conventional Granular Activated Carbon cartridges. The SupaCarb BE will not fluidise, channel or bypass, therefore maximising the effectiveness of the carbon media.

The SupaCarb BE 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
- Inner and 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
- B-Blue versions available

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

## Industries and Applications

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

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# SupaCarb BE Technical Data

## Dimensions

Outside Diameter: 71.5mm  
117mm – B-Blue  
Core Diameter: 26mm  
28mm – B-Blue

## Maximum Operating Conditions

Temperature: 52°C  
Recommended change-out differential pressure: 2.5 Bar

Product validation guide available on request. All SupaCarb BE 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
06BE-BB	7.6	85000

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 >90% 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 >90% chlorine reduction capacity (litres/min)
06BE	5 @ 175mBar Dp	3.8 @ 115mBarDp
06BE-BB	10 @ 175mBar Dp	7.6 @ 115mBarDp

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.

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