

# SUPACARB CP

AMAZON

## HIGH PERFORMANCE CARBON BLOCK

**SUPACARB CP** offers the very best in activated carbon technology. The cartridge is manufactured using a unique sintered carbon that is specifically designed for maximum decolourisation and organic contaminant reduction. It offers far superior adsorption levels when compared to other carbon block cartridges.

**SUPACARB CP** is an extremely economical and effective solution to many common liquid treatment applications where the reduction of colour, organics and other impurities is required. The carbon block is made using a high purity micro-porous, acid washed, steam activated carbon and is particularly suited to pharmaceutical applications.

### Product Features

- Unique sintered block using both granular and powdered carbon
- Spun bonded polypropylene prefiltration layer
- Modular construction from 5mm segments to 1018mm (40") long cartridges, suitable for laboratory, pilot plant and production scale operations.

The **SUPACARB CP** carbon block uses a unique sintering process that combines both granular and powdered activated carbon. This results in the highest available surface area for adsorption of contaminants. The carbon block is protected by a spun-bonded, pure polypropylene fibre prefiltration layer, to produce a unique high performance module, offering superior on-stream life.

**SUPACARB CP** cartridges are manufactured using the latest thermal welding technology, eliminating bypass commonly associated with adhesive bonded carbon modules. This results in a robust and durable filter assembly, particularly suited to a wide range of process conditions, including use in the harsh operating conditions encountered in pharmaceutical API plants.



## SUPACARB CP FEATURES AND BENEFITS

- Combination of both granular and powdered activated carbon offers superior contaminant adsorption levels
- High active carbon content per module results in the use of smaller installations, less space required and lower costs
- Convenient low-weight cartridge format is easy to handle and modules can be changed-out without using lifting gear, special tools or other apparatus
- High purity micro-porous steam activated powdered carbon is particularly suited to removal of coloured impurities from pharmaceutical product and solvent streams.
- Graded density prefiltration layer protects carbon block offering extended life
- Thermally bonded construction eliminates fluidising, channelling and bypass
- All polymeric support structure offers excellent chemical compatibility
- Each cartridge is embossed with an identification number and fully traceable

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## TECHNICAL DATA

### Dimensions

Outside Diameter: 66.5mm  
 Inside Diameter: 27mm  
 Length: See ordering guide

### Sterilisation and Sanitisation\*1

Steam: 121°C for 15 mins (20 cycles)  
 Hot Water: 90°C for 30 mins (0.2 bar  $\Delta p$  max)

\*1 Applies to single open end cartridges only. For all steaming and hot water applications, the Glass Filled end cap option must be used.

### Maximum Operating Conditions

Temperature: 80°C  
 Recommended Maximum Differential Pressure: 1.5 Bar

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

## INDUSTRIES AND APPLICATIONS

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| <b>Pharmaceutical and Fine Chemicals</b> | • Removal of coloured impurities from product and solvent streams       |
| <b>Food and Beverage</b>                 | • Colour and odour reduction in beverages                               |
| <b>Water Treatment</b>                   | • Removal of chlorine, ozone, odour, colour and trace organic compounds |
| <b>Chemical Manufacturing</b>            | • Removal of catalysts and wastewater treatment                         |

## AMAZON FILTERS LTD.

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