

EUROCARB

INNOVATIVE ACTIVATED CARBON

Air

TREATMENT APPLICATIONS



■ ■ BETTER LIVING THROUGH CARBON ■ ■

EUROCARB AIR PURIFICATION CARBON

EUROCARB'S WELL ESTABLISHED RANGE OF AIR PURIFICATION CARBONS COVER ALL APPLICATIONS IN AIR TREATMENT

- Gas purification in the chemical and pharmaceutical industries
- Re-circulating fume cupboard filters
- Flue gas treatment
- Collective protection and room air filters for buildings, vehicles and ships
- Car cabin filters
- Respiratory protective devices such as gas masks
- Compressed air filters for high purity industrial or breathing air
- Nuclear industry filters
- Biogas purification
- Solvent recovery

The wide range of different specifications available allows very precise matching to the application. We select high quality coconut shell base carbons where filtration of smaller molecules is required, and coal based carbons for a wider range of contaminants. Carbons are available in both granular form, with many sizes available, and in extruded pellet form with a range of diameters. Key parameters including activity and pore structure, density and particle size distribution are tightly specified to give consistent performance. We minimise dust by using high quality attrition resistant carbons and employing dedicated dust removal systems in manufacture.

Impregnated Carbons

Many of our carbons are offered with standard or special impregnation or similar treatments for enhanced performance against certain volatile contaminants. Our impregnation plants in UK and Sri Lanka are used to manufacture large volumes of these products. We develop and manufacture new products and customer specific solutions using extensive R and D and testing facilities in-house, including our own gas test facility.

Gas Purification

High purity carbons, carefully specified, remove contaminants from industrial gases. We offer advice and assist with trials to ensure the correct carbon is selected.

Fume Cupboard Filters

We offer a specific range of granular carbons for use in re-circulating fume cupboard filters. Carbons are available for organic vapours, and impregnated grades are specified for removal of ammonia, acid gases, ethers, formaldehyde, hydrogen cyanide and other contaminants.

We also have multi-contaminant carbon tested for use in school fume cupboards, meeting the requirement of CLEAPSS Building Bulletin 88.

Flue Gas Treatment

Whether using bed filters or powder injection for flue gas treatment, we provide carbons that effectively remove mercury, other heavy metals, or harmful gases from flues.

Room Air Filtration

A wide range of products is available, for use in room air filters (including for clean rooms), or for combination with particulate media in combination filters. Impregnated grades provide protection against certain volatile gases, including cigarette smoke components and CBRN contaminants. High activity carbon cloth can be used to make flexible filter designs or in laminates.



Vehicle Cabin Filters

We specialise in coconut shell activated carbons for use in car cabin filter media. These small granular carbons are prepared using special processes to ensure fast adsorption of the gases specified in DIN71460-2

Respiratory Protective Devices

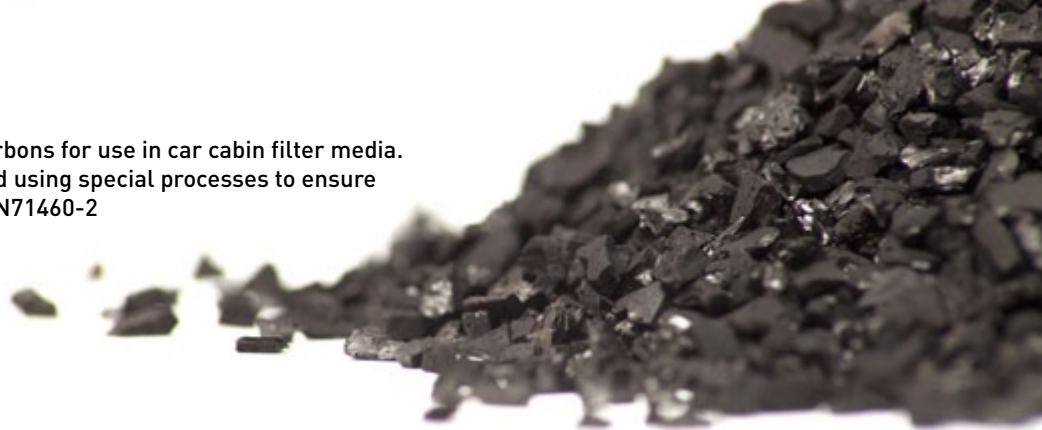
Our wide range of base and impregnated grades offer a complete solution for respirator filters, whether meeting NIOSH 42CFR84 requirements, EN14387, or new ISO draft standards from ISO TC94/SC15. A range of high quality, low dust coconut based carbons offer options for protection against all the main gas groups, and multi gas grades including chrome free ABEK and ABE and military options are also available. Our carbon felt material can be laminated with non woven particulate media for filtering facepiece devices.

High Purity Air

Our carbons are particularly effective in removal of organic vapoursS contaminating compressed air supplies. Activated carbon media is usually an essential component of such filter systems.

Nuclear Industry Filters

Activated carbon is used in the nuclear power generation industry for removal of radioactive methyl iodide in large carbon beds. We impregnate with either potassium iodide, iodine, or TEDA, or combinations of these according to customer requirements. We also supply carbons for use in noble gas delay beds (e.g. Radon).



Biogas Purification

We have a range of impregnated and catalyst products which are extremely effective at removing contaminants from Biogas, whether from landfill sites or biodigesters. The ideal choice depends on the gas mixture, with options including potassium iodide or caustic impregnation, or catalyst carbons.

Solvent Recovery

A range of coconut shell and wood based granular and pelletised carbons is available for specific solvent recovery applications. High purity carbons with high ignition temperature are used to minimise risk of bed fires. Our activated carbons are also used in many other air purification applications, and we work closely with clients on innovative new applications too.

Application	Grades	Typical Parameters
Gas Purification	YAO, YA5 Coconut	60-70% CTC, 4x8 mesh ⁽¹⁾
Fume cupboard filters	YAO, KIC, AMY, F2, E, C	60% CTC coconut, 6x12 mesh ⁽¹⁾
Flue gas treatment	SAC Pellets or SACi 800	3-4 mm diameter ⁽¹⁾
Cabin air filters	RAUC series	50 CTC, 30x60 mesh ⁽¹⁾
Respiratory protective devices	RGA, RGB, RGE, RGK, AGC, RPPU series, ACF Felt	80% CTC, 12x20, 12x30 mesh coconut ⁽¹⁾
Compressed air filters	PH0, PH5, YAO	50-60% CTC, 6x12 mesh coconut ⁽¹⁾
Nuclear industry filters	KI, KI3, TEDA	55% CTC, 8x16 mesh ⁽¹⁾
Biogas purification	C, KI, RIAS series	20-30% H2S capacity
Solvent recovery	RXRS series	70% CTC pellet, low ash

⁽¹⁾ Other Sizes available on request. CTC: equivalent carbon tetrachloride capacity, tested to ASTM D3467.

EUROCARB

INNOVATIVE ACTIVATED CARBON



European subsidiary of

HAYCARB

Activated carbon solutions

Eurocarb Products Limited

Unit 1 | Point 4 | Second Way | Avonmouth
Bristol | BS11 8DF | United Kingdom

T: +44 (0)117 982 0333

F: +44 (0)117 982 9808

E: info@eurocarb.com

www.eurocarb.com



Eurocarb Products Ltd & Haycarb PLC are all ISO 9001 certified.

