



**Activated
Carbon Cabin
Air Filters**

Improving the
health of drivers
everywhere



Breathe Easier

Making air safer since 1942.

Calgon Carbon Corporation, A Kuraray Company, is a global leader in the manufacture of high-quality activated carbon products that are unrivaled in their extraordinary performance. Our products are used in over 700 distinct market applications and ultimately make air safer to breathe and water safer to drink. One area that demonstrates these characteristics is our impregnated activated carbon portfolio.

Cleaner, healthier, safer air with activated carbon

Particulate filters are successful in trapping dust, pollen, and other unwanted particles. To achieve truly clean air you need to remove or neutralize the harmful and unpleasant chemicals, odors and contaminants. Activated carbon technology used in filters is a proven solution for better air.

Activated Carbon in new forms

Calgon Carbon has developed new products that allow you to utilize the properties of activated carbon in unique forms. CalFlex is a high density activated carbon sheet that is flexible and can be combined with different backings to accommodate your application. Flexzorb is an activated carbon fabric that is used in industrial, healthcare, and military applications.

Cabin Air Filtration – Health and Happiness

Protect the passengers and driver from unwanted odors and harmful chemicals. Activated carbon can make your cabin air cleaner and safer. Activated carbon removes VOCs, odor, and treats other harmful gases such as SO₂. With Calgon Carbon's impregnation technology we add compounds to the activated carbon to address hard to remove chemicals such as formaldehydes, H₂S, and ammonia.

Our activated carbon technologies are qualified, proven and used by automotive companies throughout the world. We have solutions for current cabin air requirements, but also for future multi-gas regulations.

Extruded
Activated Carbon



Granular
Activated Carbon



Powder
Activated Carbon



Why our activated carbon is superior

Performance

Broad product range for single and multi-gas applications

Anti-virus

Impregnation options available that enhance anti-bacterial and anti-viral properties

Filter Manufacturing

Particle geometry and particle size distribution aid in adhering to filter media

Economics

Greater capacity and faster removal means less carbon needs to be used

Cabin Air Filter Grades

Product	Size	Typical Application	Benefits/Performance
GG	6x12 to 30x60	VOCs, Odors, SO ₂	Premium grade for highest N-butane capture. Removal of VOCs, odors, SO ₂ , NO ₂ , hydrogen sulfide, and methyl mercaptans. Stable quality and particle homogeneity. Particle shape optimized for filter media bonding processes
CAF 50, CAF 55	6x12 to 30x60	VOCs, Odors	Toluene, benzene, xylene, styrene, acetic acid, butyric acid, isovaleric acid
CAF Catalytic	6x12 to 30x60	SO ₂ , H ₂ S	Catalytic capacity for advanced treatment options of certain compounds including H ₂ S, SO ₂
T-BFU or CAF Aldehyde	6x12 to 30x60	Aldehydes	Removal of formaldehyde, acetaldehyde, and ammonia. High capacity and fast kinetics
T-B or CAF Ammonia	6x12 to 30x60	Ammonia	Treatment of basic gases such as ammonia and trimethylamine

Other Gas Treatment

Product	Size	Typical Application	Benefits/Performance
Multi-gas	GAC	Personal protection/respirators	Protection against a wide range of contaminants <ul style="list-style-type: none">• High capacity and efficiency• Provides both physical and chemical adsorption
H ₂ S Treatment	GAC, pellets	H ₂ S removal	H ₂ S removal, capacity for VOC removal, odor abatement, mercaptans, thiol
Acid Gas treatment	GAC, pellets	MOCVD abatement	Phosphine and arsine removal

Military Grade Protection

You may not need it yet, but we have the experience and products for the most demanding applications in case you do.

Our genesis is from the development of lifesaving, respirator-activated carbon products manufactured in the United States for the U.S. Department of Defense in 1942. To this day, we continue to be the main supplier to the U.S. Military for this critical component and have expanded our portfolio to include not only military respirators, but also collective protection, industrial respirators, home air filtration, and industrial gas purification.

Experienced & Proven Products

We produce a wide range of products to make your air cleaner and safer. Our products have been used in cabin air systems for years and are approved at automotive companies across the globe. We have off the shelf solutions to meet existing and future demands and the experience and manufacturing technologies to develop products to meet new regulations.

With over 75 years of experience in designing products capable of providing clean, breathable air in complex uninhabitable atmospheres, Calgon Carbon is the industry expert for many challenging applications.

What activated carbon should you choose?

We can help with the industry's best research & development.

- State-of-the-art Innovation Centers at CCC's global headquarters in Pittsburgh, PA and Tsurumi, Japan have proprietary equipment to test activated carbons and performance for impregnated products
- Long history of new product development to meet customer needs
- Full customer access to our R&D team for technical support and discussion, which includes our PhD staff
- Full suite of 220 internal activated carbon standard tests that can assess quality of products and activated carbon performance
- Have our own vapor phase testing laboratory, as well as relationships with fully qualified third-party labs to supplement internal capability and to provide independent confirmations for customers
- Proprietary modeling to predict product performance for a given application as a screening tool
- Over 371 activated carbon patents
- Access to Our Experienced Engineers & Scientists
- 100% access to Calgon Carbon's full-time application engineering staff to current customers at no cost
- Special product formulations for specific customers
- Support for process problems, upsets, carbon quality questions

Headquarters

Calgon Carbon Corporation

3000 GSK Drive
Moon Township, PA 15108

800-4CARBON
412-787-6700

info@calgoncarbon.com
➔ www.calgoncarbon.com

Chemviron Carbon

European Operations
of Calgon Carbon Corporation

Zoning Industriel C
de Feluy
B-7181 Feluy, Belgium

+32 (0) 64 51 1811
+32 (0) 64 54 1591

info@chemviron.com
➔ www.chemvironcarbon.com

Calgon Carbon Asia

Calgon Carbon Asia Pte Ltd
A Kuraray Company

250 North Bridge Road
#10-01/02 Raffles City Tower
Singapore 179101

+65 6221 3500
+65 6221 3554

singapore-sales.ccc@kuraray.com

