



CALGON CARBON CORPORATION

Making Water and Air Safer and Cleaner



Connecting you with Performance

Improving and enhancing production processes

- Specialized carbons for removal of color, odor and other organic chemical contaminants
- Application knowledge cuts your costs by improving processes
- Reliable and immediate delivery of consistently superior quality carbon
- Acid-washed and impregnated carbons for specialty applications
- Pilot equipment for feasibility studies
- UV equipment for process water disinfection/purification
- Continuous ion exchange and chromatography technologies

Making drinking water safe and pure

- Solutions for the removal or destruction of taste and odor, disinfection by-products, pharmaceutical/endocrine disrupting compounds, pesticides, herbicides and other toxic compounds
- Exclusive producer of FILTRASORB® - the industry's standard for granular activated carbon
- Superior quality powdered activated carbon for taste and odor removal
- CENTAUR® granular activated carbon for hydrogen sulfide, chloramine and iron removal
- Full line of activated carbons for home-water filtration
- SENTINEL® UV disinfection systems for the treatment of *Cryptosporidium*, *Giardia* and other pathogens
- Ion exchange system for perchlorate removal

Treating wastewater so it's worry-free

- Full line of virgin or reactivated activated carbon products
- Closed-loop spent carbon recycling with thermal reactivation cuts your facility's costs
- Engineered adsorption systems for sale and service
- C³ SERIES™ wastewater disinfection helps prevent the spread of waterborne pathogens to lakes, streams, rivers and coastal waters.
- Consulting service provides immediate and educated advice from experts in the industry
- UV Technologies for wastewater reuse applications
- Site service providers to meet your local service requirements
- Emergency and temporary services

Keeping air safe and pure

- Specifically designed FLUEPAC® powdered activated carbons to enhance mercury capture in flue gas streams
- Complete line of vapor phase adsorption systems to handle any level of flow
- Specialty impregnated carbons for use in military and industrial respirators and collective protection filters
- Virgin and reactivated carbons for VOC emissions control
- Impregnated carbons for hard-to-adsorb contaminants
- Carbon and equipment to meet your emergency needs
- PHOENIX® technology removes Hydrogen sulfide odors at wastewater treatment plants and pumping stations
- CENTAUR® virgin granular activated carbon was developed specifically for odor control from sewage treatment operations.



Diverse products, leading edge technologies

More than half a century ago, Calgon Carbon Corporation committed to a single goal: meeting our customers' toughest purification, separation and concentration challenges. As a leader in the activated carbon industry and with ultraviolet light disinfection and oxidation technologies, Calgon Carbon has pioneered cutting-edge purification solutions for drinking water, wastewater, odor control, pollution abatement and a variety of industrial and commercial manufacturing processes.

When it comes to meeting purification challenges, there's no such thing as an off-the-shelf solution. That's why, each year, hundreds of municipalities, government agencies, and food, chemical and drug manufacturers turn to Calgon Carbon to solve their purification problems. We're not only the world's leading producer and supplier of activated carbon, we also offer the industry's broadest range of technical services and applications engineering that provide value to your business every day, anywhere around the globe.

Activated Carbon and Specialty Products

Supplying more than 100 types of granular, powdered and pelleted activated carbons; made from coal, wood or coconut shell and supplied to thousands of clients throughout the world. The Carbon products are applied in four general areas:

- Water Treatment carbons
- Liquid Phase purification carbons
- Vapor Phase Treatment
- Activated carbon cloth

Activated Carbon Reactivation and Recycle

After an activated carbon's adsorptive capacity has been exhausted, it can be returned to Calgon Carbon for thermal reactivation.

- Spent carbons from food, potable water or industrial applications can be reactivated and safely and cost-effectively recycled back into similar applications
- Adsorbed contaminants are destroyed in the reactivation process
- Carbon reactivation facilities are located in the United States, Europe and Asia



Adsorption Equipment

Along with providing activated carbons, Calgon Carbon sells custom-designed and pre-engineered, adsorption systems for liquid and vapor phase applications that can be quickly delivered and easily installed at any treatment site.

- Equipment is available on a sale or leased service basis
- Extensive range of service solutions, all designed to make the job of managing your vapor and liquid phase carbon adsorption systems easier than ever

Ultraviolet Light (UV) Disinfection and Oxidation Technologies

- Pioneer of UV technologies, including the SENTINEL® UV disinfection system, for the proven control of *Cryptosporidium* and *Giardia* in drinking water
- The C³ SERIES™ wastewater disinfection systems use UV light energy to disinfect wastewater and prevent the spread of waterborne pathogens to lakes, streams, rivers and coastal waters
- Our RAYOX® and SENTINEL® UV Oxidation Systems employ the power of hydroxyl radicals to destroy organic compounds in contaminated groundwater, wastewater, and drinking water

Ion Exchange Technologies

Discover the exceptional value of Calgon Carbon's Continuous Ion Exchange and Chromatography Technologies in the ISEP®/CSEP® line for purifying, separating, recovering and synthesizing high-value materials.

- Cost-effective integration of multiple small resin beds moving counter-current to process flows
- Highest product yield, highest purity, or maximum concentration recovered
- Lower capital costs, reduced resin replacement, or minimum chemical regenerant and waste disposal

Services

Whether it's optimizing your purification and production units or helping you maintain environmental compliance, Calgon Carbon has a service option to meet your need. The unparalleled expertise of our staff enables Calgon Carbon to provide our customers with quality, cost-effective service solutions. For more than 50 years, we've provided services along with our technologies for drinking water, wastewater, odor control, pollution abatement, solvent recovery, ultraviolet lamp systems, and a variety of industrial and commercial manufacturing processes. That's why, each year, hundreds of chemical, food, oil and pharmaceutical manufacturers, municipalities, remediation contractors, government agencies and many others turn to us for their service needs. In addition to producing and supplying activated carbons and UV technologies, we offer the industry's broadest range of field, technical, equipment and transportation services.

- Emergency Response
- Field Services
- Equipment Services
- Transportation Services with private fleet
- Reactivation Services
- Field Tests and Pilot Systems
- Technical Services
- Customer Service and Inside Sales Support

Consumer Products

- PREZERVE® line of storage products uses carbon cloth to protect and preserve jewelry and keepsakes from deterioration
- ALL GONE!® an odor elimination system that utilizes activated carbon discs to adsorb odors and impurities from the air safely and naturally
- PURRFACTLY FRESH® activated carbon-based, odor eliminating cat litter

Calgon Carbon Corporation Company Overview

Calgon Carbon Corporation (NYSE:CCC), a global manufacturer and supplier of activated carbon and innovative treatment systems, provides value-added technologies and services for optimizing production processes and safely purifying the environment. With the most advanced research and development capabilities plus 16 carbon manufacturing, reactivation and fabrication facilities and 23 sales and service centers, Calgon Carbon is the world's largest manufacturer of granular activated carbon with production and operations in North America, Europe and Asia.

Through unmatched innovations in the purification, separation and concentration of liquids, gases and other media, Calgon Carbon is a global leader in the activated carbon industry. As the activated carbon industry leader and with ultraviolet light disinfection and oxidation expertise, plus continuous ion exchange and chromatography, Calgon Carbon has originated cutting-edge purification systems for drinking water, wastewater, odor control, pollution abatement, and a variety of industrial and commercial manufacturing processes. For any application, from drinking water purification to pharmaceutical manufacturing, Calgon Carbon technologies are designed to enhance production efficiencies, minimize waste and remove pollutants – in short, making the world a cleaner, safer place.

Industries we serve:

- Aerospace
- Agriculture
- Automotive
- Catalyst
- Cigarette
- Dry Cleaning
- Electric Utilities
- Electronics
- Environmental Remediation
- Food and Beverage
- Home and Commercial Water Treatment
- HVAC
- Industrial Gas
- Inorganic Chemical
- Medical
- Metals and Mining
- Military
- Municipal Drinking Water
- Municipal Wastewater
- Oil and Natural Gas
- Organic Chemical
- Personal Protective Equipment
- Petrochemical



Calgon Carbon Corporation
Pittsburgh, PA USA
1-800-422-7266

European Operations
Chemviron Carbon
Feluy, Belgium
+32 (0) 65 51 18 11

Calgon Carbon Asia
Singapore
65 6 221 3500

S-BF1007-0508

www.calgoncarbon.com