

Reactivation and customized solutions

Reactivation

Reactivation of granular activated carbon is the most environmentally friendly way to treat and recover spent carbon. With increasing waste disposal costs, it is also the most cost-effective solution for operators in water and air treatment.



Reactivation consists of high temperature treatment that destroys organic pollutants trapped in the carbon, thereby freeing the pores of the adsorbent. This process restores the carbon's initial effectiveness.

CECA operates one of the largest reactivation centres in Europe. The plant has dedicated kilns to treat activated carbon according to its use/application:

- Food Grade (i.e.: drinking water, food industry,...).
- Industrial Grade (i.e.: waste water, solvent recovery, air treatment, ...).

CECA's reactivation plant is strategically located in Legnago-Verona, north-eastern Italy. Optimal logistics location to serve Central and Southern Europe.



"Peace of mind" solutions

CECA offers a comprehensive package of services for its customers in accordance with stringent safety procedures: Carbon handling (filters loading, start up and unloading) spent carbon reactivation and customers assistance in administrative procedures related to the shipment and treatment of spent activated carbon.

Visit us at www.acticarbhone.com

CECA, a subsidiary of the ARKEMA Group, is a world player in Specialty Chemicals. CECA constantly strives to improve its costumers' performance by creating and developing adsorbents, chemical intermediates, and additives.

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ACTICARBONE

Our expertise at the service

ACTIVATED CARBON

of the environment

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CECA manufactures and markets a comprehensive range of powder activated carbons (PAC) and granular activated carbons (GAC).

CECA's Acticarbon® range covers the full spectrum of particle sizes, porosity and activity levels, allowing users to select optimum performance for any given application.

CECA helps its customers during every step of their activated carbon utilization cycle:

- selection
- lab and pilot testing
- reactivation
- loading and handling
- troubleshooting
- disposal
- performance evaluation and optimization
- residual activity evaluation of activated carbon units



CECASORB™

CECA offers a full range of mobile filter systems (shuttles), available from two hubs (in Italy - Legnago and in France - Abidos) for both liquid and gas phase applications to provide a "quick fix" solution for emergency situations, short or mid-time, temporary use while the permanent unit is under construction. Quick & easy to install and operate; with handling and reactivation by CECA's experts.



CECASORB™ "Water" series

Shuttle filters for water treatment, can treat up to a flow-rate of 80 m³/h of waste or drinking water. A number of different types of granular activated carbons may be used depending on the pollutants to be adsorbed.

CECASORB™ "Air" series

Shuttle filters for air treatment. Can treat up to a flow-rate of 30.000 Nm³/h to remove any kind of organics, solvents (including halogenated), sulphur compounds, etc.



Acticarbon® range	Waste water treatment										Origin	
	Drinking water treatment	Chlorine removal	Colour removal	C.O.D. control	Surfactants removal	Sludge & soil stabilization	Ultrafiltration	Air				
powder	K	●			●	●						Blend of coal based activated carbons
	BB		●									Coal based
	X	●			●	●	●					Chemically activated
	P and MV	●	●		●	●	●					Wood based
	CF	●			●	●	●					Blend of activated carbons, chemicals & additives
	FG							●				Blend, fine particle sized
	UF						●					Blend, superfine particle sized
granular	SZ and W	●	●	●	●	●						Coal based
	NCL	●	●	●	●					●		Coconut shell based
	Cecarbhone	●	●		●	●	●					Coal based
	Cecarbhone Plus				●	●	●					Acid washed
ACM								●	●	●		Coal based
ACR								●	●			Reactivated
ACL								●	●	●		Impregnated



Talent Added