



CarboTech

The activated carbon people



THE ADVANTAGES ARE CLEAR!

Carbon molecular sieves for nitrogen production

Innovation with its roots in Essen: CarboTech is known across the world as one of the key innovation drivers in the world of activated carbon. One thing to come out of our research and development work has been carbon molecular sieve (CMS) technology which is used in nitrogen production and other applications. And we are working with a university to refine and improve this long-term.

Carbon molecular sieves for nitrogen production:

To obtain high-purity nitrogen, manufacturers rely on what is known as pressure swing adsorption (PSA). In this process, compressed air is directed alternately to two containers filled with CMS sieves which capture the oxygen molecules. What is left is high-purity nitrogen. As well as nitrogen production, CMS sieves are also used in biogas refinement and in noble gas recovery.

An excellent partner: We currently distribute products from our partner OSAKA Gas Chemicals exclusively in Europe, India and the Middle East. The hardness of these CMS sieves enables short pressure equalisation times as well as high pressurisation and de-pressurisation rates, and excellent self-regeneration properties ensure the nitrogen production is extremely reliable.

CarboTech is one of Europe's leading supplier of powdered, granulated and extruded activated carbons. The company operates integrated production plants for the manufacturing, processing and packaging of customised activated carbons, activated cokes and Carbon Molecular Sieves.

Quality: Since CarboTech works consistently with its customers interests at heart, our top priority is to constantly improve operational achievements. High demands of product and service quality go without saying for every employee.

Experience: CarboTech combines experiences from production, application and process engineering. From a strategic point of view, it has traditional requirements as much in its sights as it does innovative services. The commitment of experts with a precise knowledge of practical conditions is highly prized by our customers.

Cost-effectiveness: The use of our special activated carbon products makes permanently reliable and cost-effective solutions possible.

Furthermore we offer thorough and expert advice to all the aspects regarding the selection and application of our products.

We are looking forward to hearing from you.



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