

a breath of fresh air

Baiyun Activated carbon Solutions

Fresh air may be a gift of nature, but keeping it that way demands special knowledge, skills and equipment. Haycarb has spent over four decades perfecting the most effective ways to **remove gaseous and vapor contaminants** from air using activated carbon. Our products are in daily use in a huge variety of critical air treatment applications. Meanwhile, our research and **development experts are hard at work** analyzing the evolving needs of industry and the public sector, developing and often tailoring more effective, custom products and processes to **meet them**.

These solutions are based on activated carbon products of very high purity and quality, designed and manufactured to provide the optimum balance of pore volume, pore size distribution, surface **chemistry, density, and hardness** for a given application. These activated carbon products can serve as

the base material for a wide range of special chemical impregnation and surface treatments that allow removal of identified toxic and harmful contaminants through chemisorption or catalysis.

Black for Purity

Activated carbon has been used in air purification processes for over a century. The porous structure of activated carbon creates very high surface area and surface activity to attract and hold **molecules, effectively** removing them from the airstream. When impregnated with chemical reagents applied uniformly through the carbon structure, specific contaminants passing **through the carbon bed can** also be filtered out.

The coconut-shell carbon used in all our products has a highly microporous structure, particularly well suited to the removal of small molecules such as volatile organic compounds. Its activity can be

very precisely specified for any given application, while its high density and hardness provide for a robust bed, which is resistant to rough usage.

Filter it out

A well-designed air filter must maximize gas adsorption while minimizing flow resistance. Our carbon products are available in a very wide range of particle size distributions to give filter **designers optimal choice**. The high purity and low dust content allow for easy incorporation into laminated and pleated media that combine maximum surface area and minimum pressure **drop**.

Talk to us about what you need Our capabilities extend to a very wide range of product specifications. Please contact us to discuss your specific needs.

Quality standards of certain products are as follows:

Activated carbons for air(gas) treatments							
Type	Diame- ter (mm) Mesh	I. D. (mg/g min)	Ash (% max)	C. T. C. (% min)	Apparen- t Density (g/l)	Moistur- e (% max)	Hardnes- s (% min)
ZK-20	φ 2.0	900-1050	9---15	50-75	420-600	5	95
ZK-30	φ 3.0	900-1050	9---15	50-75	420-560	5	95
ZK-40	φ 4.0	900-1050	9---15	50-75	420-560	5	95
ZK-50	φ 5.0	900-1050	9---15	50-75	420-560	5	90
PK-4*8	4*8	900-1050	9---18	50-75	420-540	5	90 or 95
PK-4*10	4*10	900-1050	9---18	50-75	420-540	5	90 or 95
PK-8*16	8*16	900-1050	9---18	50-75	420-540	5	90 or 95

PS:Carbons can be manufactured and supplied according to customer' s demands.

[Inspection Standard] GB/T 7702-1997

[Package] Packaging Standard packaging is designed primarily to prevent deterioration of accurately graded granules and preclude the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated on request.

Warranty Disclaimer

Please confirm the specification of any particular grade with your representative prior to purchase. The user is responsible for ensuring that the product is correctly specified prior to purchase and Baiyun makes no express warranty as to suitability for specific application

BAIYUN

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- Email: baiyun.sarah@outlook.com
- Tel:+86 15617916052
- whatsapp: +86 15617916052
- Skype: +86 15617916052

Factory Add(Ningxia):

Longhu Economic Development Zone, Dawukou District, Shizuishan City, Ningxia Hui Autonomous Region