



Bioclimatic Air Systems

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PRODUCT DATA

GAS FILTRATION MEDIA

Bioclimatic BIO-CARB 700

BC-700 is a virgin activated carbon media, which utilizes a granular coconut shell substrate impregnated with Phosphoric Acid for enhanced performance in removing basic gases such as NH₃ from air streams. It is manufactured from a unique coconut shell substrate. The reaction mechanism utilizes the high adsorptive capacity of activated carbon, to bring the contaminant basic gas molecules in contact with the impregnated acid solution. The neutralization reaction at the active site results in the formation of a pH balanced, non-toxic product. BC-700 has low static pressure loss and high adsorptive capacity.

SPECIFICATIONS:

Apparent Density	0.5 – 0.6 g/cc
Carbon Tetrachloride	60% Min.
Moisture	15%
Hardness (ASTM)	98%

TYPICAL PROPERTIES:

Bulk Density	34.5 lb/ft ³ Avg.
NH ₃ Capacity	0.16 g/cc
Surface Area	1200 m ² /g
Iodine	1200 mg/g
Shape	Granule
Mesh Size	4 x 8
Resistance @ 100 fpm	0.4 in. WC/in. of bed
Resistance @ 0.5 m/s	100 Pa/25 mm bed

PACKAGING

BC-700 is available in 1 cu. ft. corrugated cartons and 7 cu. ft. plastic lined drums. Unless otherwise specified, BC-700 is supplied in 1 cu. ft. corrugated cartons.

SAFETY PRECAUTIONS

Always refer to the Material Safety Data Sheet for detailed information on safety.