



Bioclimatic Air Systems

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PRODUCT DATA

GAS FILTRATION MEDIA

Bioclimatic BIO-CARB 900

BC-900 is a virgin activated carbon media, which utilizes an extruded coal based substrate chemically enhanced to maximize its capacity to remove Hydrogen Sulfide, Sulfur Dioxide, Nitrogen Dioxide and Chlorine. The reaction mechanism utilizes the high adsorptive capacity of activated carbon, to bring the contaminant or acid gas molecules in contact with the impregnated Alkali solution. The neutralization reaction at the active site results in the formation of a pH balanced, non-toxic product. It is manufactured from a unique bituminous coal substrate. BC-900 has low static pressure loss and high adsorptive capacity.

SPECIFICATIONS:

Apparent density	0.58 g/cc avg.
Carbon Tetrachloride	60 % min
Hardness (ASTM)	90% min
Ash	15% max.
Pellet Diameter	4.0 mm

TYPICAL PROPERTIES¹:

Bulk Density	36.0 lb/ft ³
Capacity	0.16 g H ₂ S/cc
Hardness (ASTM)	95% avg.
Moisture	15%
Shape	Cylindrical
Resistance @ 100 fpm	0.25 in. WC/in. of bed
Resistance @ 0.5 m/s	62 Pa/25 mm of bed

Notes:

1. Typical properties are general information and are not to be construed as purchase specifications

PACKAGING

BC-900 is available in 1 cu. ft. corrugated cartons and 7 cu. ft. plastic lined drums. Unless otherwise specified, BC-900 is supplied in 1 cu. ft. corrugated cartons.

SAFETY PRECAUTIONS

Always refer to the material safety data sheet for detailed information on safety.