



Bioclimatic Air Systems

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PRODUCT DATA

GAS FILTRATION MEDIA

Bioclimatic BIO-SORB 100XL

BS-100XL is an activated alumina pellet impregnated with Potassium Permanganate and other proprietary chemicals to achieve superior capacity. Contaminant removal is achieved by adsorption of the contaminant onto the active sites, followed by an oxidation reduction reaction with the impregnated Potassium Permanganate and other chemicals resulting in the formation of stable, non-toxic products. BS-100XL may be applied to achieve enhanced performance in removing compounds including Hydrogen Sulfide, Sulfur Dioxide, Nitrogen Dioxide, Mercaptans and many lighter molecular weight volatile organic compounds such as Aldehydes, Alcohols, and Ketones from air streams.

SPECIFICATIONS:¹

Capacity	0.84 g H ₂ S/cc
Hardness (ASTM)	80% Min.
Thermal Stability	Non-Flammable; Listed UL 900, Class 1

TYPICAL PROPERTIES:

Apparent Density	0.8 g/cc
Bulk Density	50 lb./ft ³
KMnO ₄ Content	5% Min. dry basis
Moisture	15% - 20%
Shape	spherical
Particle Size	3.8 mm
Resistance @ 100 fpm	0.3 in. WC/in. bed
Resistance @ 0.5 m/s	75 Pa/25 mm bed

Notes:

1. Typical Properties are general information only and shall not be construed as product specifications.

PACKAGING

BS-100XL is available in 1 cu. ft. corrugated cartons, 7 cu. ft. plastic lined drums. Unless otherwise specified, BS-100XL is supplied in 1 cu. ft. corrugated cartons.

SAFETY PRECAUTIONS

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