

ADSORBENT SORBEO CMS

(Carbon Molecular Sieve)



DESCRIPTION

Sorbeo CMS is pelletized form carbon molecular sieve.

Sorbeo CMS is mainly used to separate N₂ from air but it can also be used in many other applications (separating methane from methane/CO₂ mixture or ethylene from ethylene mixture gasses...).

APPLICATIONS⁽²⁾

- Oxygen/Nitrogen separation

⁽¹⁾For any other technical gas please contact us or your local dealer

⁽²⁾Sorbeo CMS can be used in variety of applications. For applications not listed please contact us or your local dealer.

TECHNICAL SPECIFICATION (Typical Values)

Pellet Diameters	1,1±0,2 mm
Bulk Density	680 - 710 g/l
Loss on drying	1.0% max. (wt)
Ash content	5,2%

STANDARD PACKING


MODEL	PACKAGE	MASS
SORBEO CMS-M	30 L container	20 kg
SORBEO CMS-L	4 x 30 L container	80 kg
SORBEO CMS-XL	8 x 30 L container	160 kg
SORBEO CMS-XXL	16 x 30 L container	320 kg

HANDLING AND STORAGE

Sorbeo CMS should be handled so as to avoid generation of dusty conditions at the workplace. When pouring into a container in the presence of flammable liquids, gases or dust, earth both containers electrically to prevent a static electric spark and the risk of explosion. Storage in a dry warehouse is recommended. Extended exposure to UV light degrades the big bag material and this should be avoided. Open packages should be resealed to prevent contamination and adsorption of water or other gases and vapors. Activated carbon (especially when wet) significantly lowers oxygen levels by removing oxygen from air, which causes a severe hazard to workers inside activated carbon vessels and enclosed or confined spaces. Before entering such areas, work procedures for low oxygen levels should be taken to ensure ample oxygen availability according to all local, state, and federal regulation.

Type	Adsorbent Pressure [MPa]	N ₂ Purity [%]	N ₂ Production [M ³ /h.t.]	Air/Nitrogen
CMS	0.8	99	385	1.65
		99.5	255	2.4
		99.9	200	3.3
		99.99	115	4.6
		99.999	65	5.1

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