

Activated
carbon
pellet

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Solcarb KS3

Solcarb KS3 is a high performance impregnated activated carbon pellet specially developed for the removal and containment of hydrogen sulfide (H₂S), organic mercaptans (thiols) and certain organic sulfides from air, natural gas and biogas. It exhibits rapid adsorption kinetics and a high loading capacity (in excess of 70% w/w for hydrogen sulfide under selected conditions).



Technical specifications

Hardness, min.	90
Mesh size, US sieve series, wt% >8 (2.36 mm) min	95

Typical properties

Bed density*, kg/m ³	600
Pellet diameter, mm	3
Pellet length, mm	7
Ignition temperature, min. °C, ASTM D3466**	280
Dust index, max.	5

* Bed density is used for the adsorber sizing

** Under conditions of ASTM D3466. Ignition temperature will vary in practice according to specific conditions for which the carbon is utilised.

Features

- Selection of a 3 mm pellet allows for lower pressure drop and decreased energy requirements compared with a traditional granular product.
- A high density product combined with high capacity allows smaller adsorber designs, or decreased changeout frequency, to be considered.
- High hardness ensures excellent resistance to mechanical or thermal stress and lower dusting.
- Enhanced kinetics enables peak concentrations to be handled with reduced risk of leakage.
- Effective operation under low or high humidity applications.
- Enhanced organic adsorption.

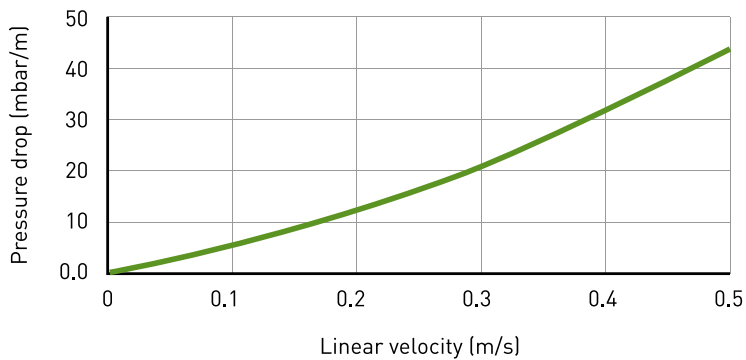


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Activated carbon pellet

Pressure drop, dense packing, dry air at 20°C and 1.013 bar



Applications

- H₂S removal & odor control
- Biogas & natural gas
- Sewage treatment
- Pulp and paper mills
- Process industries
- Waste management & landfills

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