

PRODUCT SPECIFICATION

Bioactivated carbon



APPLICATION SCOPE

Granules of bioactivated carbon applies to the removal of hydrogen sulphide from biogas, coke oven gas, natural gas, synthesis gas. Optimizing of the size and proportion of granules, in combination with a porosity, provides high efficiency with minimum pressure drop. In order to provide the most effective process, gas should have a relative humidity 100 % and temperature 20 ÷ 60 st. C.

DESCRIPTION OF DESULFURIZATION PROCESS

Hydrogen sulfide is adsorbed during flow through a bioactivated carbon granulat. bioactivated carbon is a sorption material. The length of its usefulness for desulfurization depends for eg. on the composition of the gas, flow and construction of the desulfurizer.

PHYSICAL AND CHEMICAL PARAMETERS

Colour	clay - brick
Diameter [mm]	4,5 ÷ 5,5
Lenght [mm]	5,0 ÷ 15,0
Bulk density [kg/m ³]	700 ÷ 800
Content of iron compounds [%]	35 ÷ 40
Maksimum capacity of sulfur absorbed by unit volume of desulfurization product [%]	40

Note:

These are average values. They may vary depending on the measurement technique and averaging the samples to be analyzed. Product may contain small amounts of impurities.