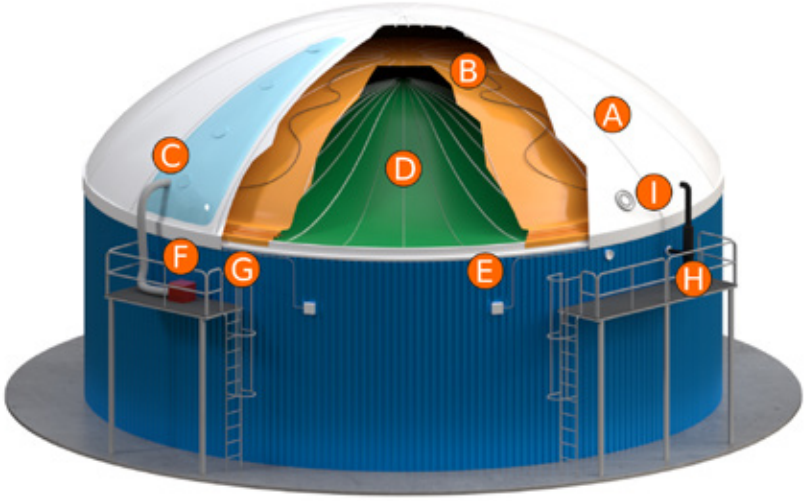
made in Germany by
FENOTEC

BIOGAS HOODS, BIOGAS BAGS, BIOGAS COVERS in all variations

ADVANTAGES
+ Made of dissipative, particularly gas-tight materials
+ Made in Germany
+ Archiving of 25 years of manufacturing know-how - fast remanufacturing
+ Biogas bags, biogas hoods and biogas covers in any size or shape / many functions
+ Tailor-made and factory-tested



A- Outer membrane
B- Inner membrane
C- Air-flow system
D- Belt system
E- Anchoring ring
F- Air retention valve
G- Blower
H- Safety valve
I- Inspection window

FENOTEC GmbH has archived over 25 years of manufacturing know-how and it can remanufacture old covers from its own production and the Bergmann production in a timely manner.

FENOTEC 25 YEARS MANUFACTORING KNOW-HOW

FENOTEC has almost 50 years of experience in the manufacture and processing of films for tank protection. What counts here is dimensional accuracy and tightness.
In tank protection, we are known for our high quality, flexibility and innovative strength.
FENOTEC GmbH is owner-managed and the name FENOTEC stands for quality and safety. Our quality and safety criteria apply in particular both to biogas, as well as for our special casings for flammable liquids hazardous to water hydrogen and a wide range of chemicals.
Foils and coated fabrics are produced especially for us for this purpose.
Our biogas hoods, biogas covers and biogas bags are used to collect and store biogas. They are made of special coated PVC that has been tried and tested for decades and is manufactured 100 % in our factory in Germany. The material is lightfast, kink-resistant, with very low gas permeability, can be made fire-retardant and with increased discharge capacity.

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TECHNICAL DATA

Base fabric (DIN EN ISO 2076):	100% Polyester PET
Top side embossed, equipped with fungicide	PVC-coated and lacquered on both sides

Weave	DIN ISO 9354	Plain weave 1/1
Basis weight	DIN EN ISO 2286-2	870 g/m²
Max. tensile strength	DIN EN ISO 1421	3200 N/5 cm
Tear strength	DIN 53 363	300 N
Adhesion	DIN EN ISO 2411	140 N/5 cm
Cold resistance	DIN EN 1876-1	-30°C
Heat resistance	IVK/Pkt. 5	+70° C
Light fastness	DIN EN ISO 105-B02	≥ 7
Gas permeability (CH_4)	DIN 53 380/2 23°C, 0% r.F.	<460 cm3/m²*d*bar
Fire resistance	DIN 75200	Burning speed < 100mm/min
Resistance to damage by flexing	DIN 533 59 A	No cracks after 100.000 flexures
Conductivity	R_s rough side R_s smooth Seite	~ 1,53 x 10^{10} Ω ~ 1,69 x 10^{10} Ω

Biogas gas storage in use

Other agricultural products:
- Inflatable filling station
- Stable ventilation with tube
- Lining for slurry, selage and AHL
- Liquid fertiliser leak protection lining
- Bladders for the storage of liquids

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