

Air Blown Cover

Long lasting gas holder and - cover



Bio-gas division of Wiefferink: de Air Blown Cover

Advantages are:

- Large volume for gas storage
- Lower gas permeability

The Wiefferink-group exists since 1956 and has more than 15 years of experience in producing and installing bio-gas covers in The Netherlands, Germany, Belgium, Southern- and Eastern Europe.

Based on the latest technology Wiefferink has developed the newest of gas covers, the Air Blown Cover. Successful installations and applications are already on the go in the Netherlands. Wiefferink applies the latest most chemically resistant films. New cutting and welding procedures ensure that bi-axial forces in the cover are more evenly distributed allowing for a lower silo wall pressure.

Designs are cut using the latest computerised cutting techniques. The cover consists of a separate bottom- and upper membrane, that when parted, can be dismantled. These membranes are manufactured from bi-axial reinforced fabrics coated on both sides with high grade PVC-coatings. The 7 meter height of the Air Blown Cover allows a maximum gas storage capacity. The support straps support the upper and bottom membrane against undue pressure situations. A H₂S net for "capturing" sulphur compounds.

These bio-gas covers are on offer to all available commercial silos up to a diameter of 31.5 meters. The operating pressures are 0-5mbar and a potential undue pressure situation of up to -2mbar is permissible.

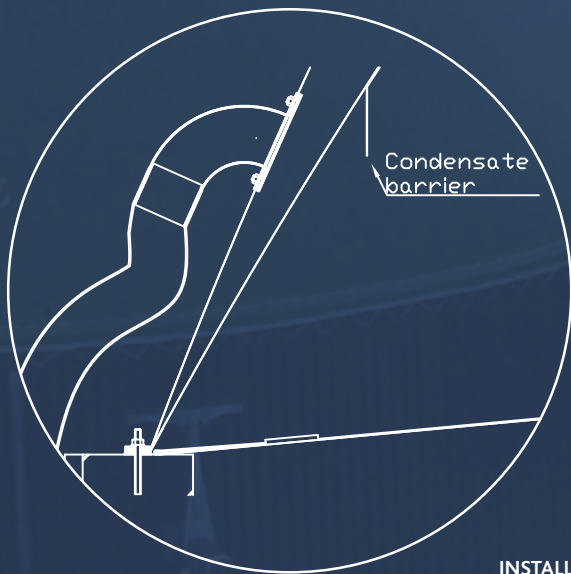
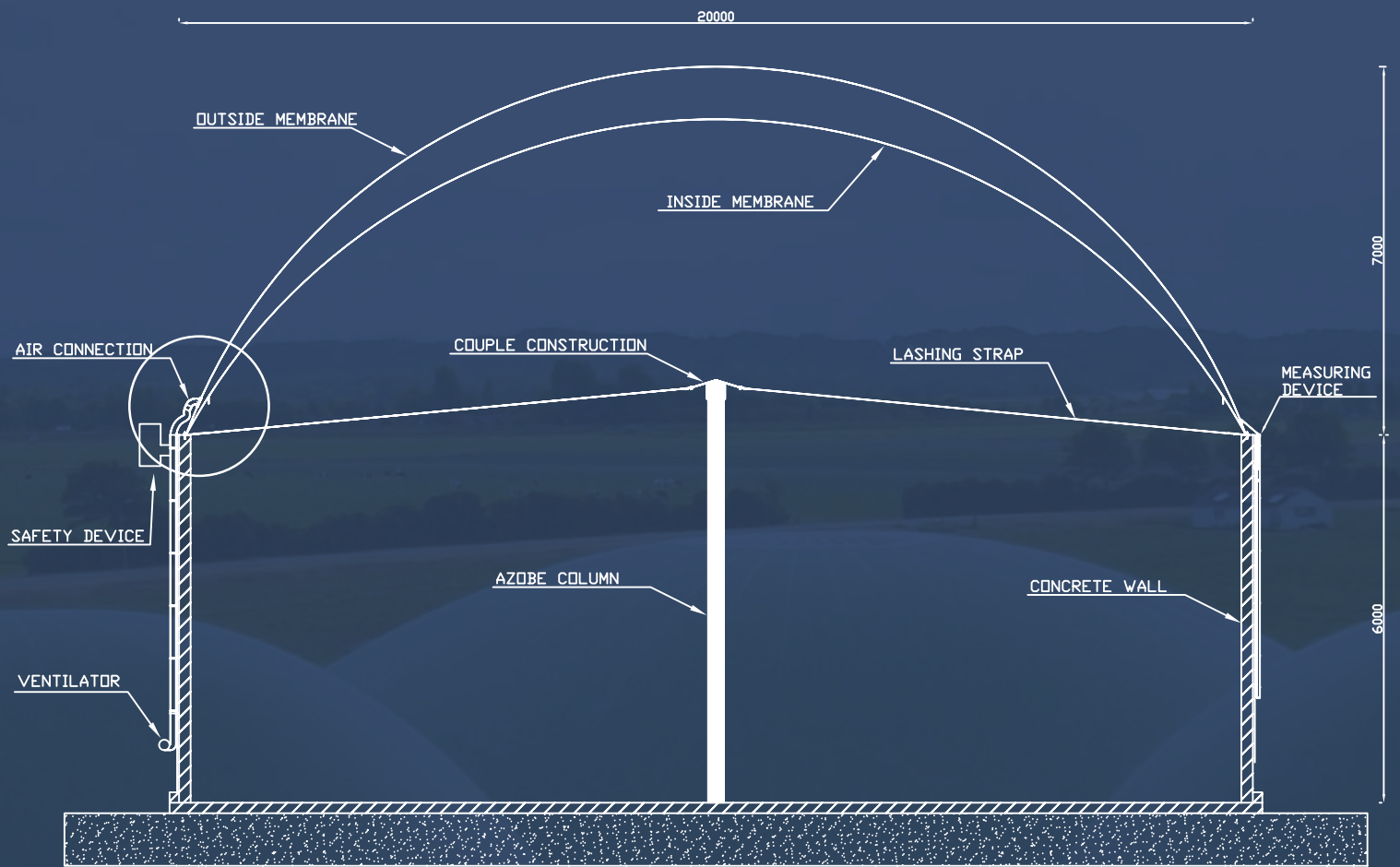


DELIVERY INCLUDES:

- ventilators for setting the pressure between upper- and bottom membrane;
- over- and under pressure protection;
- gas leak proofing using infra-red laser technology;
- gas volume measuring of the lower membrane.

THE ADVANTAGES OF THE AIR BLOWN COVER IN A ROW ARE

1. Gas storage volume with \varnothing 25m ca. 230% greater compared to a conventional design.
2. High-tech bottom membrane film with 35% less gas permeability.
3. Speedy delivery and assembly.
4. Easily accessibility for maintenance- and overhauling activities.
5. Lower silo pressure through bi-axial construction.
6. Less possibility of snow accumulation and low wind sensitivity.
7. No condensation, corrosive liquid on silo wall.



INSTALLATION AND PRODUCTION ACCORDING: NEN-EN 1991-1-4 • DIN 1055-4 • DIN 4134 • DIN 18800



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