



About FLEXXOVALVE

The Flexxovalve over- and underpressure relief valve is designed to avoid extreme pressure situations in biogas plants, gas-tight silos or manure gas pockets.

The Flexxovalve can be set to a maximum pressure of about +5.0 mbar and a minimum pressure of -1.0 mbar to ensure the safe operation.

Normally the Flexxovalve is filled at outside temperatures below 3 degrees with an anti-freeze liquid.

In these situations, a gasexhaust or an air inlet flow to nearly 1000 Nm³/h can be realized.

The basic model is constructed from stainless steel-316 parts, and operation is guaranteed by the inverted bucket principle with plastic caps. To check the fluid levels external fill and control instruments are installed.

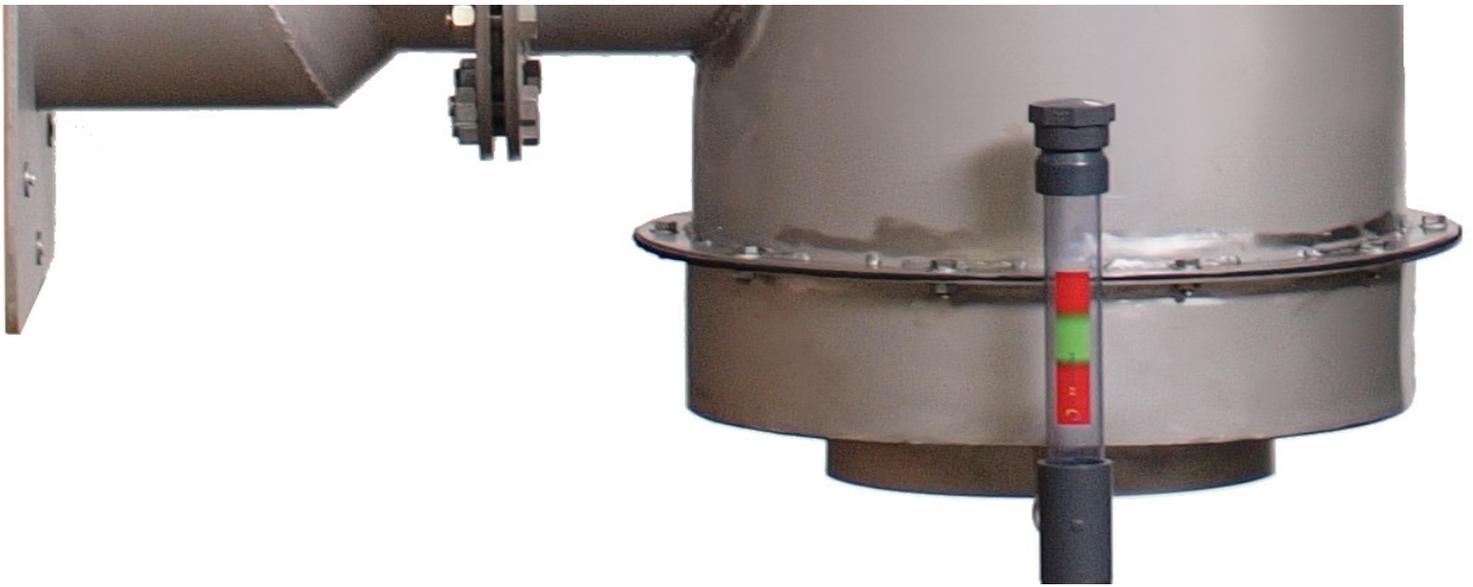
At the biogas side we innovated the CDR* (condensate discharge ring) to discharge the condensing vapours, for instance water, from the biogas fed back into the silo.

By this solution we significantly reduce the risk of freezing.

For detailed information please visit our website.

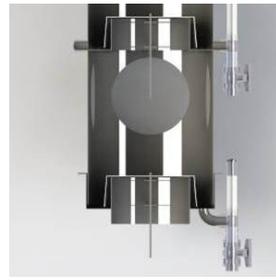
* patent 2008636





Specifications Flexxovalve

- Design pressure : -5.0 tot +10.0 mbar
- Operation pressure : -0.8 tot +5.0 mbar
- Weight (empty) : 48 kg
- Height (incl. chimney) : 250 cm
- Process connection : DN250 PN16
- Material : SS-316(L)
- Gasflow : minimum 1000 Nm³/h, up to 2000 Nm³/h



About FLEXXOLUTIONS

Flexxolutions has a broad experience in development, producing and assembling innovative textile solutions for covering and storage systems for gases, liquids and solids. The addition of our subscript "Innovators in technical textile products" explains our ultimate strength. This is the innovative design of products and customer-specific engineering, production and installation of covering and storage systems as silo roofs in normal and gas-tight execution, airborne double membrane roofs serving the biogas industry and storage both in the form of pillow tanks liquids as water and high-quality bags for storage of manure, gases and combinations thereof. Besides this range of products we also designed and supply innovative (patented) disinfections mats, flexible solid storage silo's, truckliners and products for temporary refugee camps as collapsible water kits, toilets and showers. All required disciplines in terms of design (Solidworks 3D), tailoring (CNC cutting) and welding (high frequency and thermal) we have in house. Because we have all of these disciplines in house we can make your system in the shortest possible time in relation to quality, design, production and assembly.

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FLEXXOLUTIONS
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