



It's not waste. It's energy.

Gas hood

Easy pre-installation of various component parts by flange system.



Options:

The foam detector, the gas pressure measuring system and the float switch are fitted only upon request of the customer.

The AAT gas hood with the diameters of 1,200 to 3,000 mm is a cover on the roof of the digester tank. It is used as an access and removal opening during maintenance work and offers a compact platform for the installation of gas components.

The various flanges on the gas hood are used to fit the following component parts: Gas dome, foam detector, hydraulic over- and underpressure safety device, view port, gas pressure measurement and overfill switch.

The gas dome is the collection point for draining gas from the digester tank. An integrated water spraying device and a pressure indicator are available as an optional feature.

The foam probe is a rod probe to detect foam in the digester tank. Its signal activates the foam control. This prevents a soiling of the gas pipe.

The hydraulic over- and underpressure safety device secures the digester against impermissible overpressures or underpressures. It has been fitted with an internal, gas-tight, self-regulating water feed.

A view port including wiper is used for visual inspection of the inside of the fermenter.

The analogue gas pressure measurement is used to notify the operator before reaching the triggering pressure of the hydraulic overpressure and underpressure security device to prevent unnecessary gas drain.

The overfill switch (ATEX) is a floating bell, which prevents an overflow of the digester tank.

Advantages:

- ✓ Material: Stainless steel 1.440x (SS316)
- ✓ Flange for safety equipment
- ✓ Flange for gas dome
- ✓ Flange for hinged viewing glass
- ✓ Flange for foam probe
- ✓ Flange for radar - fluid level measurement
- ✓ Reserve flange DN 100
- ✓ Sleeve 1/2" for gas pressure transducer