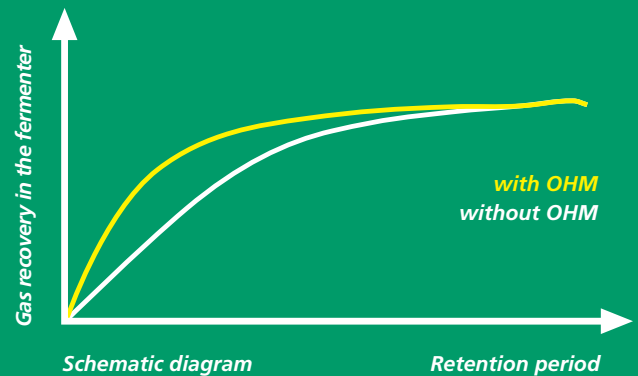


OPTIMATIC HAMMER MILL

Innovative technology for crushing solid substrates for use in biogas facilities

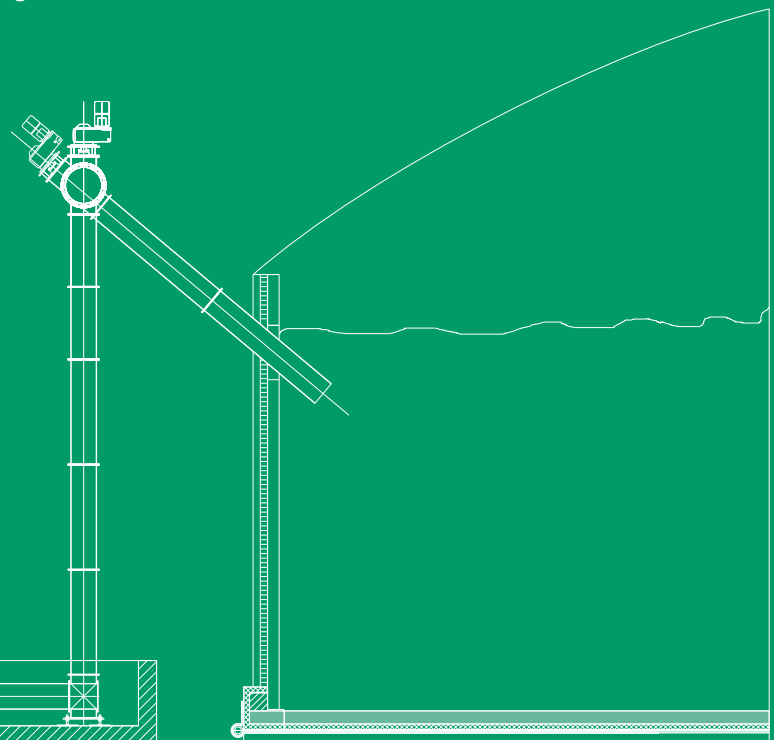
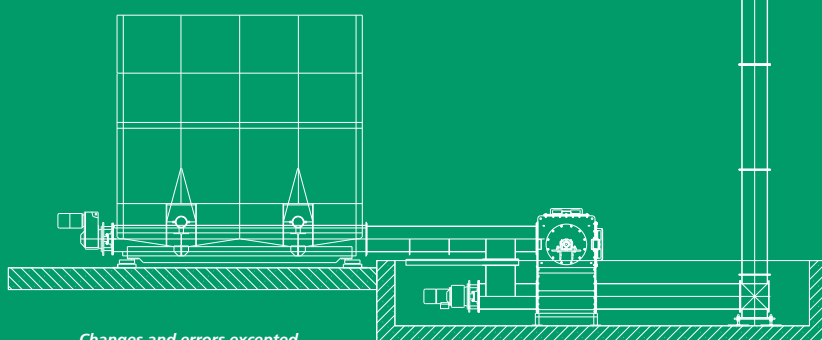
The composition of the solid substrates introduced significantly influences the fermentation process in biogas facilities. A targeted decomposition of agglomerates and crushing of solids calls for a higher and faster rate of availability of nutrients through the enlargement of the surfaces for the bacteria involved in the process. Furthermore, crushing promotes faster and more homogeneous distribution in the liquid phase of the fermenter. Consequently, key advantages result for the overall process:

- ➔ Higher gas recovery/shortening of the average retention period in the fermenter
- ➔ Relief of the agitators and pumps
- ➔ Improved composition of the ferment



USE IN YOUR SYSTEM

The patented Optimatic Hammer Mill can be flexibly integrated into the means of conveyance for the loading of solids through a bypass. A forced feed in the milling chamber counteracts caking. Swinging hammers suspended as crushing tools require a high tolerance to foreign material. The product composition can be selectively influenced through a hydraulically adjustable screen in the discharge of the mill.



Mobile HAMMER MILL



for example: Straw



before cutting up



after cutting up

for example: Sugar beets



before cutting up



after cutting up

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