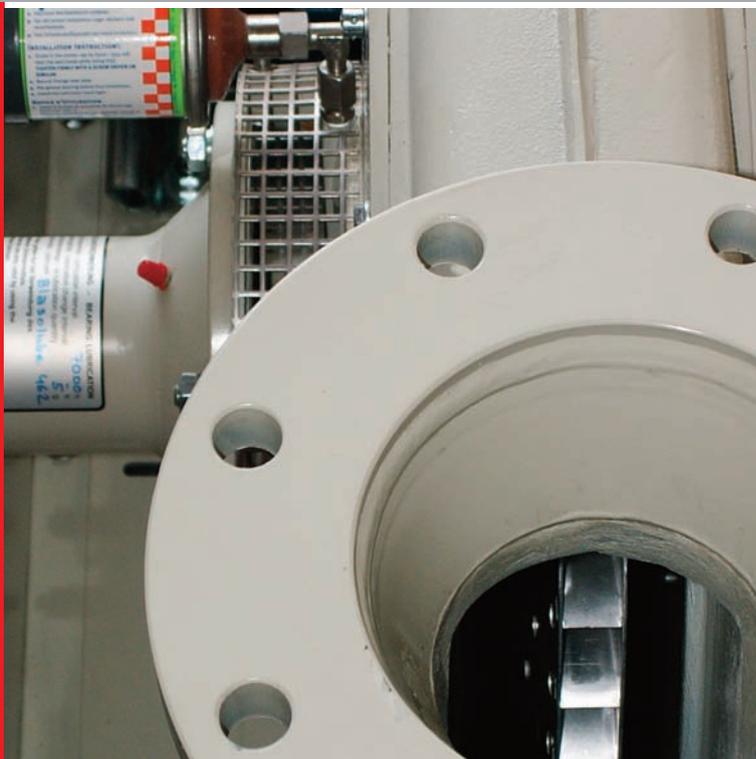


ATEX FANS 

# Biogas



# Advantages in planning and operations



## safe and reliable

with the experience from several thousand ATEX fans for zone 1 and zone 2

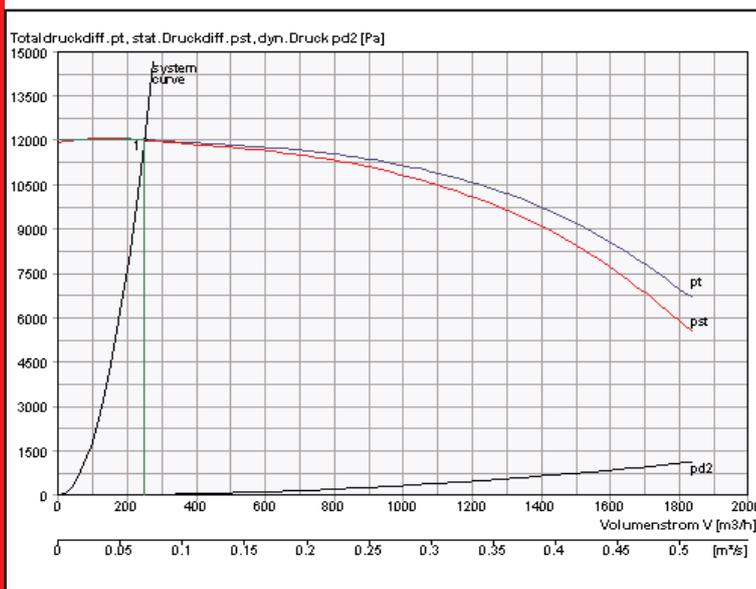
available in category II 3G T1 and II 2G T1  
CE compliant according to EN 14986

## flexibly configurable

- due to various
- housing orientations
  - housing and impeller dimensions
  - inlet and outlet flanges
  - in DN50 - 200, PN 10
  - condensate drain

## low noise

due to aluminium impeller and solid cast iron housing (GGG40)



## economical

small motor for acceleration of the light aluminium impeller

## can be easily incorporated due to the flat characteristic curve

the nearly constant pressure increase at changing delivery volumes saves measurement and control expense

## simple

and tolerant against temporary obstruction of the gas flow from the digester

# Versions

## compact design

with direct drive 0.3 to 4W

up to 40 mbar\* pressure rise at 50Hz

with a frequency converter up to 90 mbar\* pressure increase at 87 Hz with a 4 kW motor



## flexible with belt drive

from 1.85 ... 7.5 kW up to 160 mbar\* pressure rise.

optional also for frequency converter



## double stage unit

up to 300 mbar\* pressure rise

single stage fans up to 250 mbar\* pressure increase of the HA series by request



\* refers to 1.2 kg/m<sup>3</sup> density

# Accessories and Service



## service for spare parts and wear parts

- automatic grease cartridge
- electrically conductive belt
- compensators
- spare motors
- impellers
- seals

## spare part assembly or exchange fan

minimizes operational interruption during the specified overhaul after 20,000 operating hours.



## accessories

adapted acoustic hood  
sound pressure reduction ~15 dB (A)  
flexible ducts



## inspection and repair service

by qualified works overhaul,  
with service partners in Germany and  
Benelux or by own service engineers  
on site.



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