

SCHAUMANN *BioENERGY*

LET'S WORK TOGETHER. FOR YOUR SUCCESS.



As a specialist in energy generation from biomass, Schaumann BioEnergy Consult stands for innovative products and holistic solutions – from feedstock conservation and laboratory services to on-site digester biology and multilingual consulting worldwide.

OUR EXPERTISE. OUR SKILL. FOR YOUR EFFICIENCY.



TRACE ELEMENT PRODUCTS

- Customized formulations personalized to your plant's specific requirements
- Promote and optimise the methane formation process
- Are non-toxic and non-corrosive, ensuring safe use for operator, plant and environment formation process

THE BC.CONCEPT (BIOGAS CONTROL)

LIQUID	CUSTOMIZED CR.TEplex analysis-based, highly concentrated micronutrient mixture	STANDARDIZED BC.MICROcon5 LIQUID Standardized, liquid high concentrate of essential trace elements for methanogenesis
	GRANULAR BC.MAGXX Highly bioavailable trace elements with reduced application rate	BC.MICROcon5 Essential trace elements for methanogenesis; high bioavailability of the elements; simple dosing due to low weight and safe application

FLOW IMPROVERS

- Provide a quick remedy when using dry feedstocks and the viscosity problems associated with them

ALGEAZYM HOMOGEN
Homogenises the digester content and improves substrate digestion

SPECIAL PRODUCTS

- Ensure a stable process by controlling foam formation and struvite deposits

BC.SPcon
Destroys various types of foam
MAPcon
Prevents struvite and carbonate deposits

SERVICES

- Optimization of the anaerobic digestion process
- Start-up to full load and recommissioning
- Contract research

We provide a range of services to help operators of anaerobic digestion plants gain more control of the biological process and increase methane yields in order to improve the return on investment.

H₂S CONTROL

- Highly effective ferric products bind hydrogen sulphide in the digester and support the fermentation biology.

INTERNAL DESULPHURIZATION	POWDER BC.ATOX Scon Our premium product // Highly efficient sulphide binding with buffer effect for all retention times BC.ATOX Scon BASIC Reliable sulphide binding for long retention times
	GRANULES FERRUM Scon Iron granules for sulphur binding in the external filters // ensures high loading rates // targeted adaptation to filter size, gas humidity and gas pressure

TOXIN BINDERS

- Bind inhibitors and toxins in the digester

BC.ATOX Ncon BIO
Minimises the inhibitory effect of ammonia
BC.ATOX Ncon
Reduces ammonia inhibition and promotes acid degradation

ENZYMES

- High-quality enzyme products to accelerate degradation, improve substrate utilisation and reduce viscosity.

BC.ZYM FIBRE MS
Enables the digestion of difficult to break down, very dry substrates // substrates such as maize straw or manure

BC.ZYM CUSTOMIZED
Customized enzyme mixture adapted to the specific substrate use

ANALYTICS

Basis for your biogas plant management and feedstock strategy

- Digester biology analysis
- Batch and continuous fermentation tests
- Inhibitor testing
- Residual biogas potential test
- Fertiliser value analysis
- Special analyses on request



Schaumann BioEnergy Consult GmbH
info@schaumann-bioenergy.com
www.schaumann-bioenergy.com