

# CircumMaxx

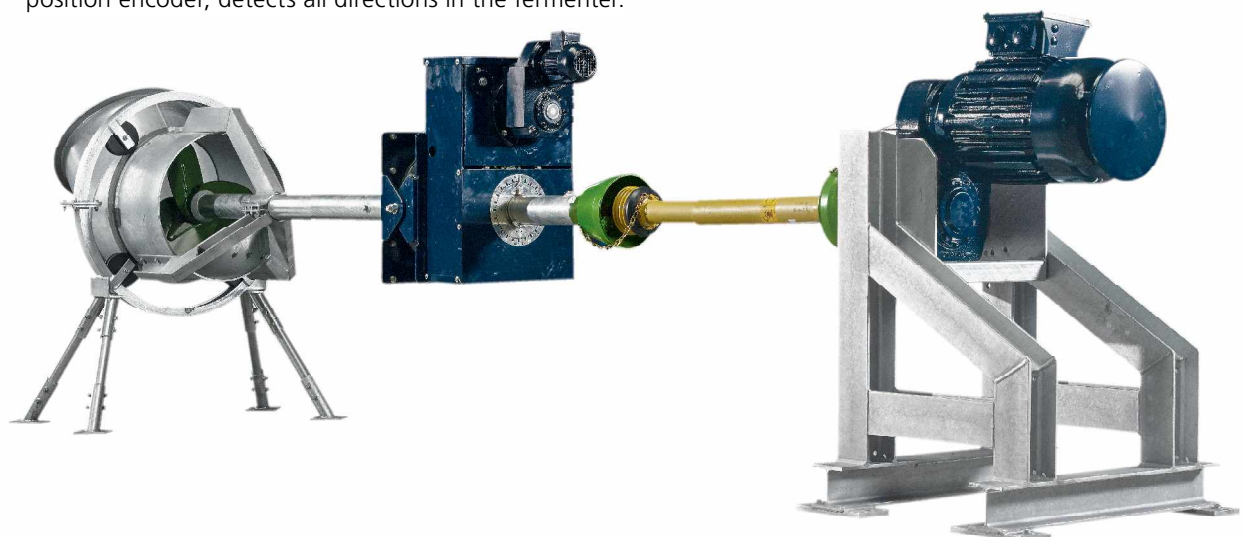
## Circumferential agitator against sinking and floating layers

CircumMaxx is an intelligent and substrate flexible agitator. The unique combination of agitator direction and power enables a three-dimensional mix. Consequently, both sinking and floating layers can be treated preventively and dissolve safely with minimal expenditure of energy.

In order to respond to changing conditions, modern fermentation plants' agitators need to adjust flexibly. CircumMaxx is automatically and flexibly adjustable to changing situations. The proven pivoting agitator nozzle-technique, which is combined with an automatic 360° position encoder, detects all directions in the fermenter.

In conjunction with intelligent controlling technology, it is possible to implement a variety of mixing-scenarios, which can be integrated specifically into the procedure. This ensures an energy-optimised mixing of the complete content. The microorganisms will be distributed ideally and reduce the residual gas potential.

CircumMaxx can be installed in any type of container. The well thought-out construction allows easy installation also on existing containers.



## Technical data

### Mixing in three-dimensional space

Length	Inside: ca. 2 000 mm Outside: ca. 3 000 mm
Material	galvanized steel stainless steel (optional)
Drive	electric drive: 15 to 30 kW tractor drive: up to 150 kW
Agitator nozzle	30° at Ø 600 mm 360° free swiveling traversable with stepper motor
Control	optional pushbutton r/l in steps of 5° or by integration in MSR
Propeller	Ø ca. 560 mm
Sealing	ca. 50 m submersible
Embedding	ground foundation No power transmission onto container wall

Subject to technical changes!

#### Your advantages at a glance:

##### ☑ Powerful nozzle technology

- Position of the nozzles are automatically variable and adjustable
- Driven by an electric motor or 150 kW tractor operation
- Termination system for all types of liquid manure containers can be achieved

##### ☑ Dynamic stirring in 3-D

- Any layer in the fermenter can be steered specifically
- Flexible use for any container geometry
- Variable even in substrate flexibility

##### ☑ CircumMaxx – simple and robust

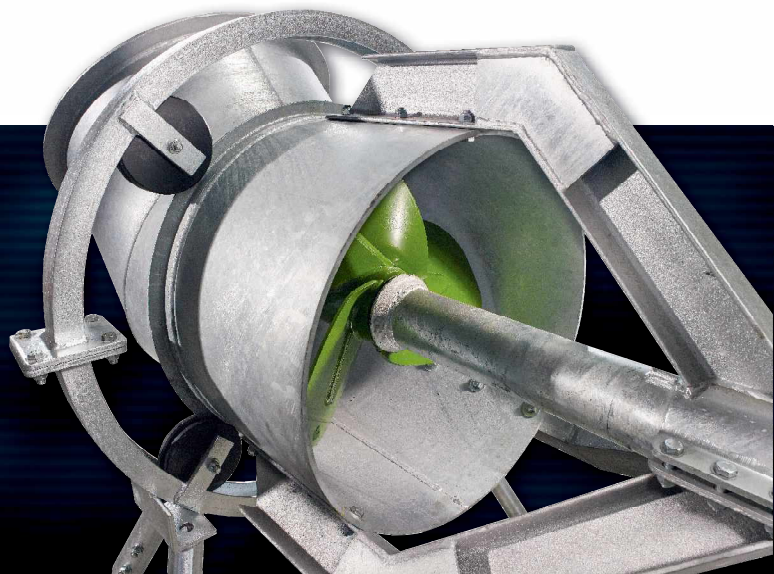
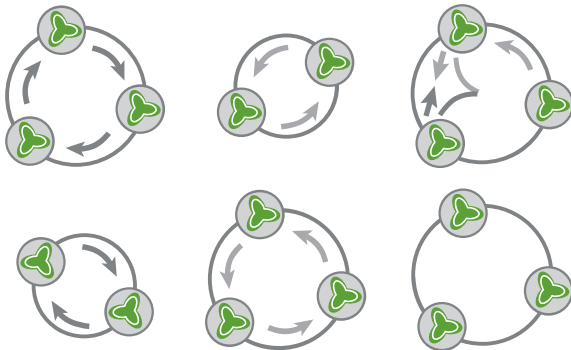
- Broad application possibilities
- Safe operation, redundant drive
- Simple installation and maintenance, visible technology
- intelligent substrate-flexible mixing

### Variable stirring positions

By varying

- ☑ number of agitators
- ☑ driving power of the agitators
- ☑ nozzle position
- ☑ synchronization of the agitators
- ☑ automatic program selection

it is possible to control any position in the fermenter. Furthermore, combinations with additional agitators are also possible.



Should you need further information  
about our innovative products?  
Please do not hesitate to contact us.  
We will be pleased to advise you!

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