



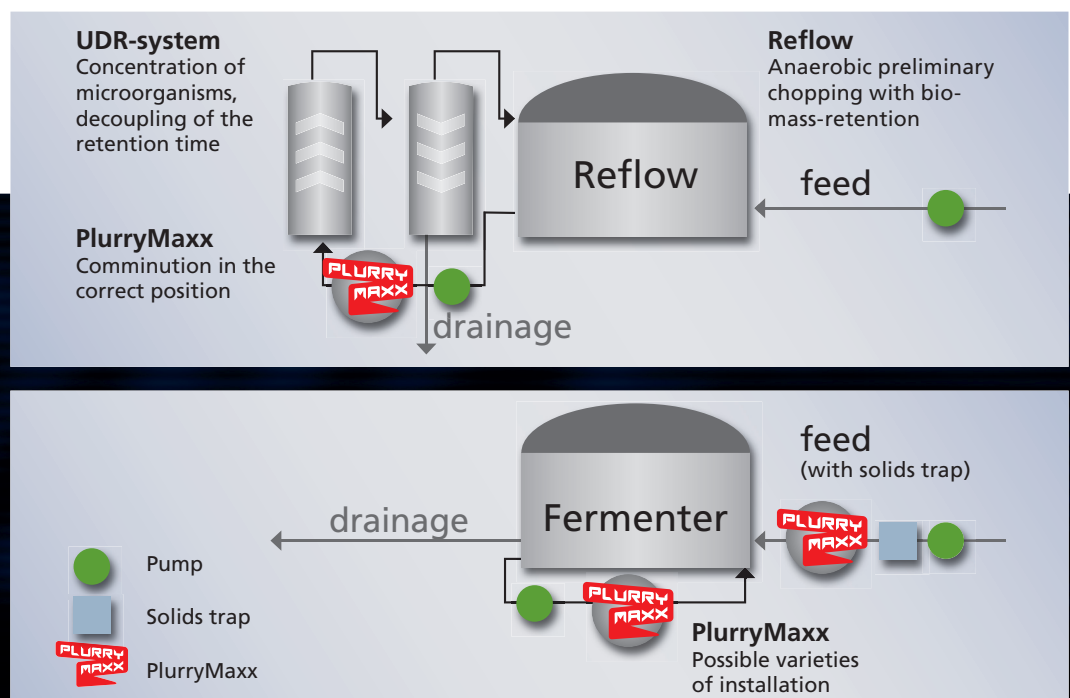
PlurryMaxx – The wet-disintegrator

Mechanical disintegration with cavitation effects

PlurryMaxx is a device for mechanical comminution and for the enlargement of the substrate surface for an improved fermentation. This is one of the most efficient disintegration techniques. The fermentation substrate will be pumped through the cutting cylinder and thereby ground by rapidly rotating sledges without cutting by counter blades. At high

cutting speeds, the substrate to be fermented is ideally prepared for the microorganisms. In addition, alternative and fibrous substrates can be used. This added available degradable organic material provides a bigger yield of biogas.

Varieties of installation
Suitable for every anaerobic digestion plant



Technical data

High performance in a small space

L / W / H	ca. 950 / ca. 1 300 / ca. 2 400 (ca. 3 400) mm
Material	coated steel
Drive	electric drive up to 37 kW
Cutter	Manually on time or by integration into MSF
Control	Manuell auf Zeit oder über Einbindung in MSR
Cylinder	Ø 500 mm cutting bodies with return, wear-resistant ceramic internal coating
Sealing	Special bearing up to 4.000 rpm
Anchorage	Mounted on base plate with dampers, base plate is anchored to bottom
Performance	up to 20 m³/h

Registered utility model Nr. 20 2012 104 378.5

Subject to technical changes!

Your advantages at a glance:

☑ Reduced susceptibility

- No counter cutting
- Less floating layer inclination
- Increased digestion
- Full flow and partial flow treatable

☑ Additional yield through cavitation

- Release of organic matter
- Higher biogas potential
- Availability for microorganisms
- Lower internal shear forces reduce demand of stirring energy

☑ Increasing substrate efficiency

- Use of agricultural residues
- Fibrous input materials (manure, whole plant silage, straw)
- bigger yield, low costs

PlurryMaxx ensures safe and upgraded operation of the plant with higher gas yield. By using PlurryMaxx, the residence time can be reduced while increasing the degree of degradation and thus the biogas production.

With the compact method of construction, PlurryMaxx can be merged ideally into existing plants or installed into a compact-container.

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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