

## PRESS RELEASE

### Potential of biogas plants not yet exhausted

#### Vogelsang to present technology for plant optimization at EuroTier & EnergyDecentral

- **QuickService progressive cavity pumps**
- **Economic disintegration technology to increase gas yield**
- **Biogas 4.0: control technology for networked plant operation**

**Essen/Oldb., September 4, 2018** – [Vogelsang GmbH & Co. KG](#) is presenting its wide range of technical solutions for the optimization of biogas plants at **EuroTier & EnergyDecentral in Hanover (November 13 - 16, 2018, booth G18 in hall 25)**. “The potential of many existing biogas plants has not yet been exhausted. With efficient components such as reliable and powerful pumping technology and innovative processes for substrate treatment, operators are able to reduce costs, increase gas yields and thus increase the profitability of the plant,” says Harald Vogelsang, Managing Director of Vogelsang.

#### **CC series: high performance with convenient service**

Reliable and service-friendly pumps are indispensable for economical biogas plant operation, since they bring fluid substrates and mashed solid matter in the form of highly viscous suspensions into the digesters or recirculate low-viscosity material. The QuickService concept of Vogelsang's CC series progressive cavity pumps simplifies maintenance work, as neither the suction nor the discharge side piping has to be dismantled. This reduces the time required to change spare parts significantly – even on large progressive cavity pumps with capacities of up to 300 m<sup>3</sup>/h. The rotor and stator can be replaced as a unit or individually one after the other, as well as the sealing if required. Long downtimes, which hinder continuous and smooth biogas plant operation are thus avoided. Besides the increased service convenience of the robust CC series, Vogelsang is also presenting the extended model range with its numerous features and options as well as application options.

#### **Higher gas yield due to efficient disintegration**

Furthermore, Vogelsang presents the optimized DisRuptor. This system for mechanical disintegration ensures efficient preparation of substrates rich in structure and can be individually adapted to the respective application and substrate. The power requirements of the DisRuptor are reduced by the further developed functional unit. Due to its high throughput and flexible concept, the Innovation Award winning system is ideally suited for biogas plants that ferment many fibrous and rich in structure substrates such as dung, (maize) straw and landscape conservation material.

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The throughput of up to 80 m<sup>3</sup>/h with viscous organic suspension in combination with only 15 kW installed drive power make disintegration with the DisRuptor highly economical. “Thanks to the low operating costs per m<sup>3</sup> of disintegrated substrate, the investment in substrate preparation using DisRuptor pays off within a short time,” says Vogelsang Sales Manager Markus Liebich.

Furthermore, the Vogelsang experts are showing the XL version of their BioCrack II system for electrokinetic disintegration. The new version features a reinforced field as well as a larger cross section of the housing. This allows higher flow rates (max. 200 m<sup>3</sup>/h) or suspensions of higher viscosity (70 m<sup>3</sup>/h at 15% DS) to be treated.

#### **Biogas 4.0: control system for networked biogas plant operation**

As a partner of the biogas sector, Vogelsang not only offers machines and systems, but also the Performance Control Unit (PCU) – a control technology for efficient and largely autonomous system operation. The ProfiNet connection and OPC-UA interface of the new generation allows individual components to be networked quickly and easily with the existing control. Platform-independent communication from machine to machine (M2M) as well as between human and machine via the human machine interface (HMI) is also possible. The PCU's easy-to-understand HTML user interface with visual operating elements and intuitive user guidance ensures that the user can quickly and easily view operating data and edit parameters; directly on site or via remote control. Besides the capacity of the individual units, the control system monitors additional parameters, identifies faults early and fully rectifies them automatically in early stages. The PCU thus ensures efficient plant operation.

**Vogelsang at EuroTier / EnergyDecentral, November 13 - 16, 2018, exhibition grounds Hanover:**

**Products for the biogas sector: hall 25, booth G18**

**Products for the agricultural sector: hall 27, booth A38**

For **press representatives** we are pleased to arrange an appointment for a **personal meeting** at the Vogelsang booth (hall 25, booth G18). Please register **by October 19** at:

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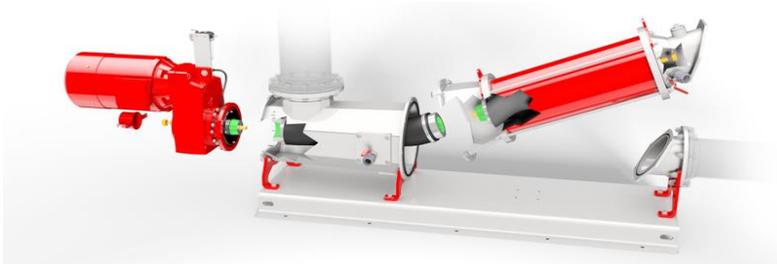
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**About Vogelsang:**

Vogelsang GmbH & Co. KG develops, produces and distributes highly-engineered equipment that is easy to maintain. The head office is located in Essen/Oldb. in Lower Saxony. Founded in 1929 as a manufacturer of agricultural machinery, the company has grown to become a specialist in individually configurable machines for the agricultural, biogas, industrial, transportation, and waste water sectors. At present, the mid-sized, innovative family business employs over 900 people worldwide. Vogelsang ensures the highest production quality through its research, development and manufacturing operations at its location in Germany. As an international company, Vogelsang operates manufacturing centers domestically and abroad. A continuously growing network of subsidiaries and representatives allows Vogelsang to be present in more than 25 locations worldwide, in all European countries and important industrialized nations in the world.

Further information can be found online at: [vogelsang.info](http://vogelsang.info)

**Images:**



**Image 1:** Progressive cavity pumps of the CC series are quick and easy to service due to their design.



**Image 2:** In use: compact unit for mechanical disintegration consisting of RotaCut, CC series progressive cavity pump, DisRuptor and a PCU controller.



**Image 3:** The new XL version of the BioCrack II system: A reinforced field and larger flow cross-section enables economical preparation of highly viscous suspensions with high throughput rates.



**Image 4:** Performance Control Unit – intelligent control and independent fault rectification for automatic system operation.

**Image source for all images: Vogelsang GmbH & Co. KG**