

Pumpenfabrik Wangen GmbH:

Powerful pump for large biogas plants

Wangen im Allgäu, November 2024

Pumpenfabrik Wangen GmbH has expanded its product range: the Bio-Mix 200 pump powerfully conveys substrate to the fermenter

In biogas plants or in plants for anaerobic fermentation processes, the Bio-Mix 200 conveys substrates and media to the fermenters. This media is then mixed in the pump with liquids, such as bovine manure or slurry. In a comparative test operating at 150 cubic metres per hour, the pump achieves the highest flow rate in this pump class coupled with a higher pressure. The robust and durable pump works within a large viscosity range, reliably pumping hydrophobic, abrasive and fibrous components, and boasting a long service life. This future-centric product is therefore a useful addition to the Pumpenfabrik Wangen pump range for the biogas sector.

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Technical data for the Bio-Mix 200

ITEM	Technical data
Delivery volume	150 m ³ /h
Pressure	Bio-Mix 200.0 - 4 bar Bio-Mix 200.2 - 8 bar
Substrates	All biogas substrates
Ball passage	150 mm
Dry matter content	18% dry matter at the pump outlet
Solids volume (depending on the dry matter content of the substrates)	~ 20 t/h with maize silage ~ 15 t/h with cattle manure ~ 3-4 t/h with pure straw (density: 0.2 t/m ³)
Power consumption	Bio-Mix 200.0 – 45 kW Bio-Mix 200.2 – 55 kW

Press release

November 2024



About Wangen Pumpen

Pumpenfabrik Wangen GmbH, with its headquarters in Wangen in the Allgäu region of Germany, is a machine and plant construction company and a provider of high-quality displacement pumps for industrial applications. Its product range includes progressing cavity pumps and twin screw pumps for use in various sectors: food and beverage production, environmental and sewage technology, biogas and agricultural technology, the chemical and paper industry, pharmaceuticals, cosmetics or shipbuilding. Since it was founded in 1969, Wangen Pumpen has grown from a smaller trade operation to become a mid-sized company employing around 280 people.

The manufacturer of industrial pumps has been part of the Power Technique business unit of the Swedish Atlas Copco Group since 2022.

www.wangen.com

Picture source: Pumpenfabrik Wangen GmbH

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Press photo:



Picture caption: The WANGEN BIO-MIX 200 is powerful, efficient and unique

[YouTube Video WANGEN BIO-MIX 200](#)