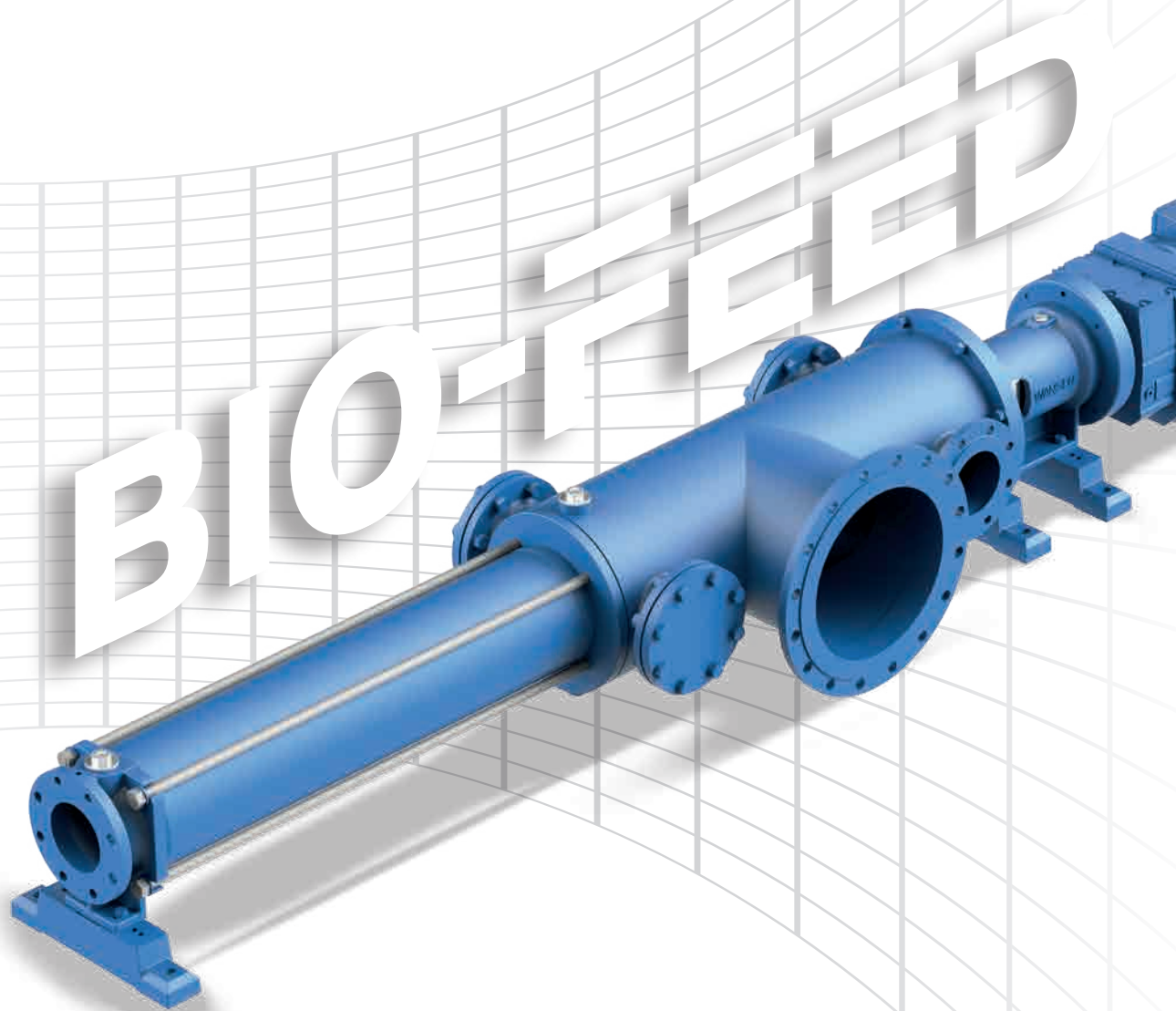




Progressing Cavity Pump

**WANGEN BIO-FEED with X-LIFT**



Combines liquid feeding  
with screw technology directly  
at the substrate storage container

# BIO-FEED

WANGEN BIO-FEED with X-LIFT quick-change system

## Flexible and cost-efficient

WANGEN PUMPEN's newly-developed WANGEN BIO-FEED is designed especially for machines that would like to combine existing screw technology at the substrate storage container with the feeding of liquids.

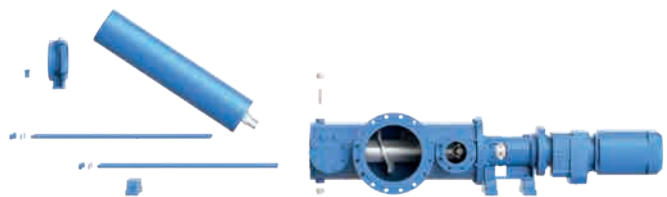
To simplify integration into your conveyor, our WANGEN BIO-FEED's pump body is equipped with two DN150 connections bearing bracket side, one DN400 connection for the screw conveyor and two DN200 at stator side. In addition, you can use these as cleaning openings and for rinsing the mixing chamber.

With a specially-developed milling screw, you can mix the solids that are to be added with the separately added liquid and convey it into the desired containers.

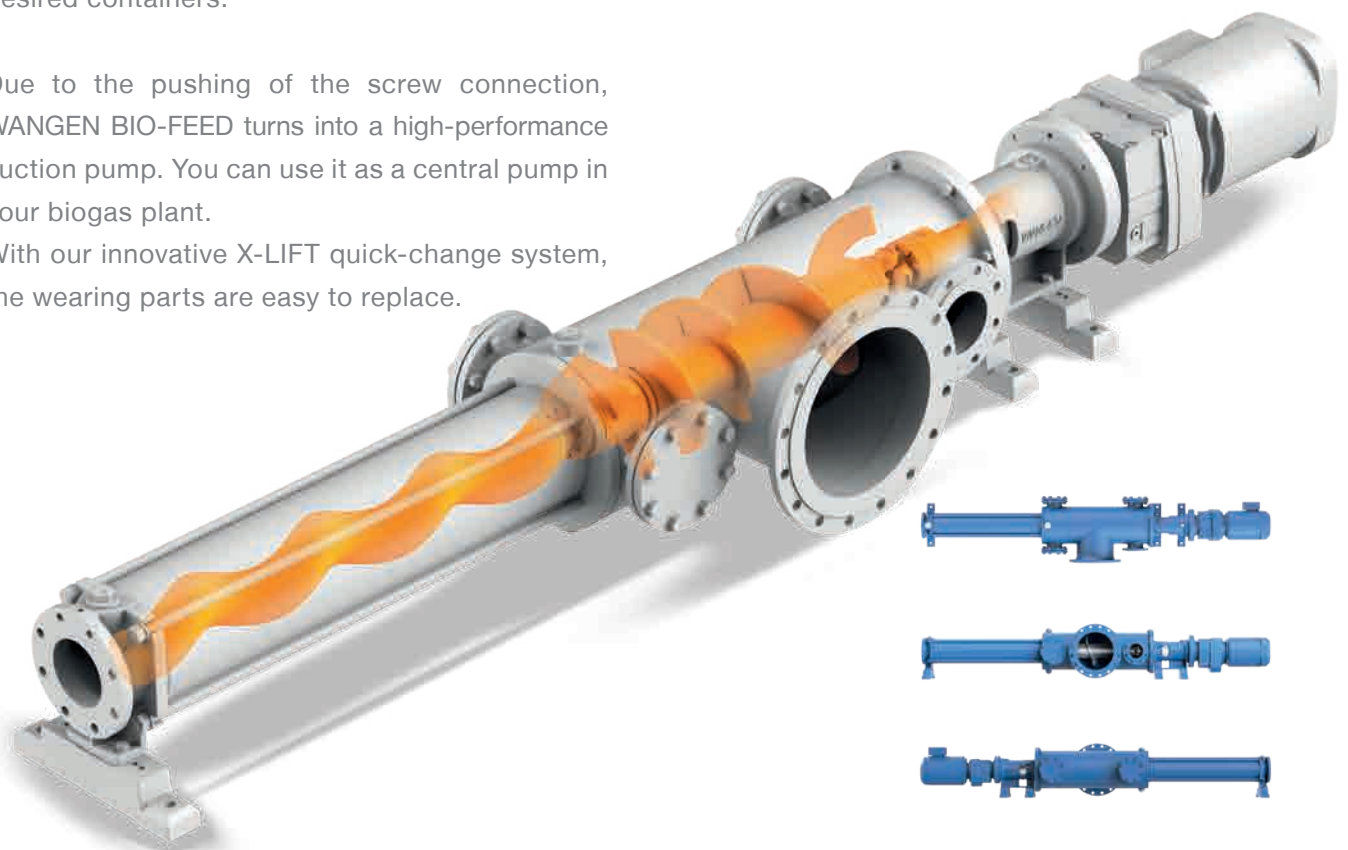
Due to the pushing of the screw connection, WANGEN BIO-FEED turns into a high-performance suction pump. You can use it as a central pump in your biogas plant.

With our innovative X-LIFT quick-change system, the wearing parts are easy to replace.

Only a few simple steps are needed, without this requiring disassembly of the pump from the piping system. Thereby, WANGEN BIO-FEED is also suitable for use in restricted spaces.



Thus, WANGEN BIO-FEED allows a wide range of applications for a large number of tasks within the machine. This advantage is offered to you exclusively by Pumpenfabrik WANGEN GmbH.



Technical data and properties

# Performance data WANGEN BIO-FEED

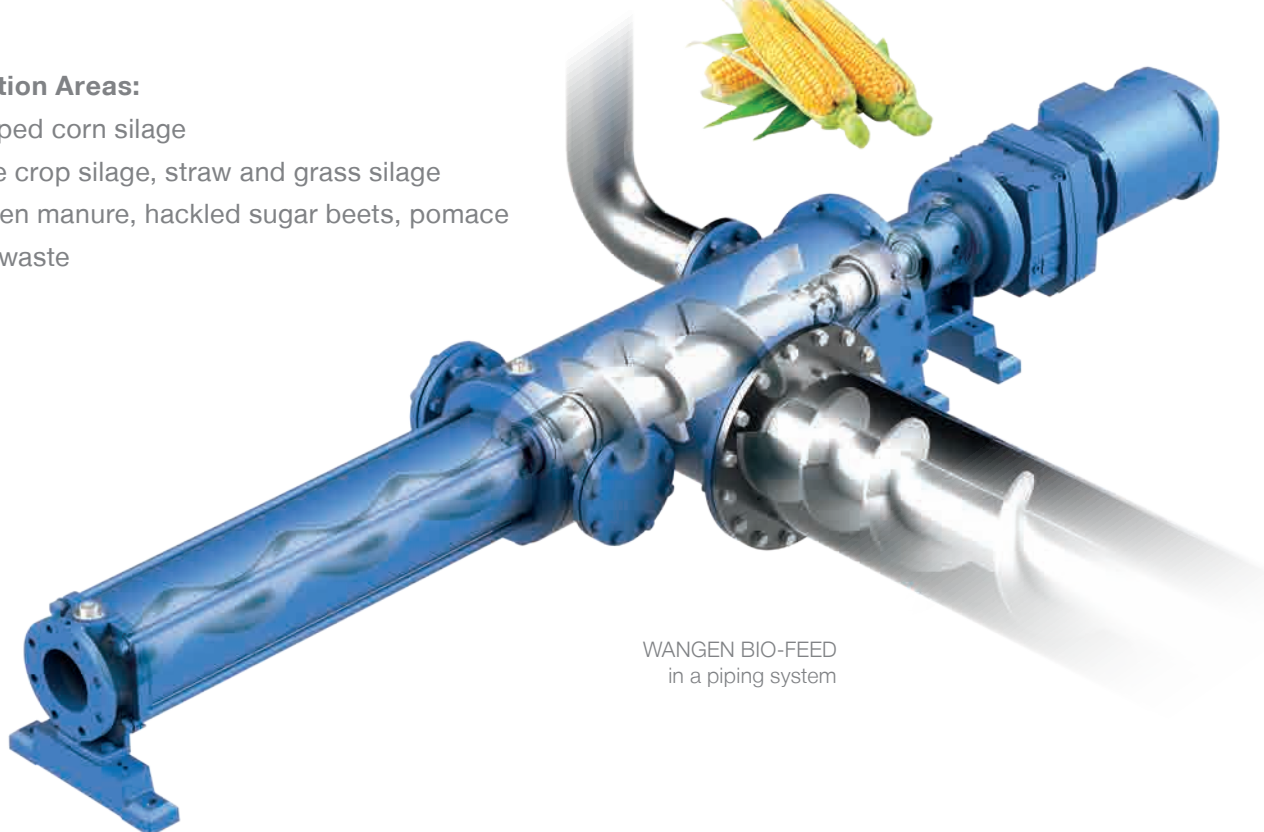
Pump size	Maximum completely free passage (mm)	Flowrate (m <sup>3</sup> /h)	Maximum differential pressure (bar)
65	112	up to 50	6

**Properties:**

- Liquid feeding pump for connection to existing screw technology
- Large-scale mixing chamber
- Specially-developed joint with milling screw
- Numerous connections at the chamber allows simplified adaptation to existing features on the machines
- Liquid addition and high-performance central pump
- Our innovative X-LIFT quick-change system
- Unproblematic liquid feeding with wet and watery solids, without additional liquid
- Up to 15% substrate dry substance

**Application Areas:**

- chopped corn silage
- whole crop silage, straw and grass silage
- chicken manure, hackled sugar beets, pomace
- food waste



WANGEN BIO-FEED  
in a piping system



**WANGEN PUMPEN is certified to:**

ISO 9001 (Quality management)

ISO 14001 (Environmental management)

ISO 45001 (Occupational safety and health protection)



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