Progressing Cavity Pump
WANGEN BIO-FEED with X-LIFT

Combines liquid feeding with screw technology directly at the substrate storage container
Already starting at an economically-priced 15,000 euro, in addition to being flexible and offering a wide range of applications, we present you WANGEN BIO-FEED. We have developed the pump especially for production plants that would like to combine an existing auger dosing unit for solid material with a liquid material dosage.

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.
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

Performance data WANGEN BIO-FEED

<table>
<thead>
<tr>
<th>Pump size</th>
<th>Maximum completely free passage (mm)</th>
<th>Flowrate (m³/h)</th>
<th>Maximum differential pressure (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>65</td>
<td>112</td>
<td>up to 50</td>
<td>6</td>
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