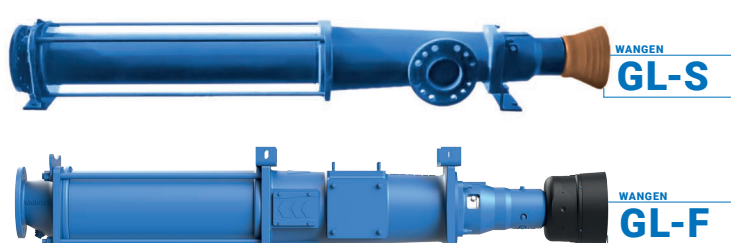




Powerful pumping solutions for fermentation substrates

PTO PUMPS

MAX. CAPACITY l/min	7,800
MAX. PRESSURE bar	18
MAX. DRY MATTER CONTENT %	10



FEATURES

- For the reliable pumping of slurry or other agricultural substrates
- For the suction drainage of slurry ditches and slurry tanks
- Suitable for use in pump tank trucks and as a slurry drag hose pump
- Driven by a PTO shaft on the tractor or optionally by an electric drive
- High pressure stability
- Optionally also with overflow unit



MAX. CAPACITY m³/h	300
MAX. PRESSURE bar	48
MAX. DRY MATTER CONTENT %	18

FEATURES

- Suitable for pumping free-flowing substrates and digestate
- Durable construction with bearing pedestal
- Individually configurable to the respective application

SELF-PRIMING PUMPS

IMMERSION PUMPS

MAX. CAPACITY m³/h	100
MAX. PRESSURE bar	12
MAX. VISCOSITY mPa.s	200,000
MAX. DRY MATTER CONTENT %	18

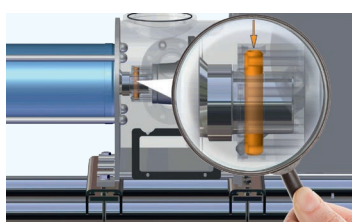


FEATURES

- Suitable for pumping high-viscosity liquids from basins and tanks
- Immersed directly in the medium
- Used where self-priming pumps reach their limits
- Optionally available with pump inlet adaptations (homogenisator, fugator) for stirring
- Configurable to the basin depth

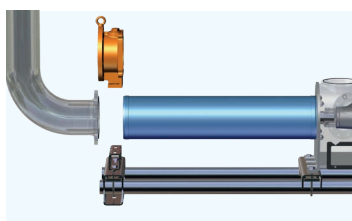
1

Disconnect the rotor from the cardan.



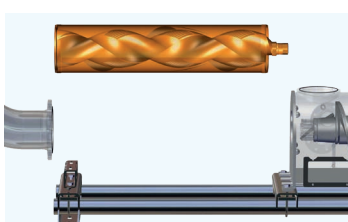
2

Remove the 4 bolts and dismantle the discharge flange.



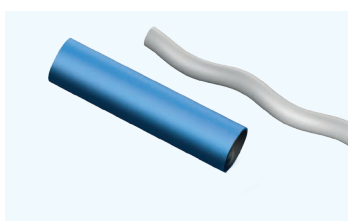
3

Remove the rotor/stator unit from the pump.

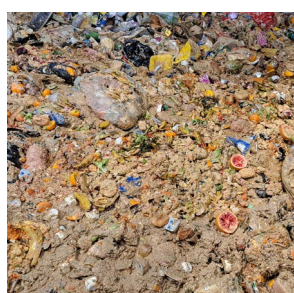
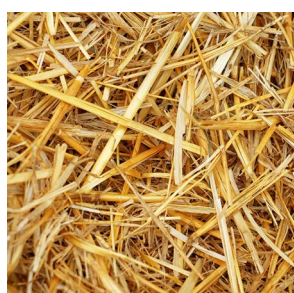


4

Disconnect the rotor from the stator.



DEMONTAGE ROTOR | STATOR



SUBSTRATE PUMPING, SOLIDS FEED, SEPARATOR FEED.

- Maize silage
- Whole crop silage
- Maize straw, rice straw
- Industrial and food waste
- Vegetable and fruit waste
- Dry chicken faeces
- Grass
- Straw
- Slurry, manure
- Sludge



MEDIA

BIO-FEED WITH X-LIFT

MAX. CAPACITY m³/h	50
MAX. PRESSURE bar	12
MAX. DRY MATTER CONTENT %	18



- FEATURES
- Combines the liquid feed-in with screw technology directly at the solids dispenser
 - With four connections for the liquid phase and one DN400 connection
 - Compact bearing pedestal-based system for simple applications
 - Can also be used as a central pump



WANGEN
BIO-ROXX

MAX. CAPACITY m³/h	85
MAX. PRESSURE bar	24
MAX. DRY MATTER CONTENT %	45

- FEATURES
- Liquid feed to introduce solid and liquid substrates
 - Homogenisation of the substrate mix
 - Separation of contaminants
 - Low-wear design
 - Can be adapted to every metering system
 - Simple to control
 - Large maintenance and clean-out ports

BIO-ROXX

HOPPER FEED PUMPS

MAX. CAPACITY m³/h	150
MAX. PRESSURE bar	12
MAX. DRY MATTER CONTENT %	18

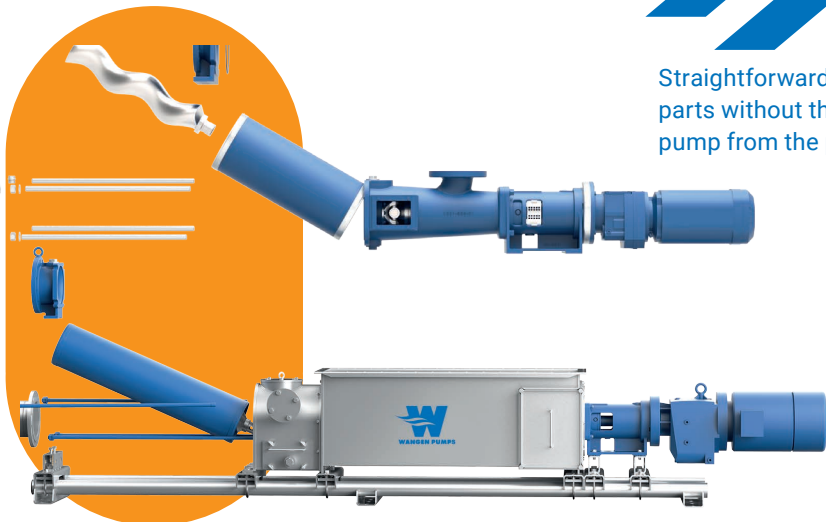
- FEATURES
- Liquid feed for the effective feed of solids into a biogas plant
 - Stainless steel hopper, and stainless steel or steel screw (both available in different sizes)
 - Optionally with side entry
 - Suitable for almost all metering systems



WANGEN
BIO-MIX

XLIFT

Straightforward replacement of wearing parts without the need to disconnect the pump from the pipework system.



QUICK-CHANGE SYSTEM SPARE PARTS

WANGEN QUALITY IN DETAIL.



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