

**Screw conveyor**

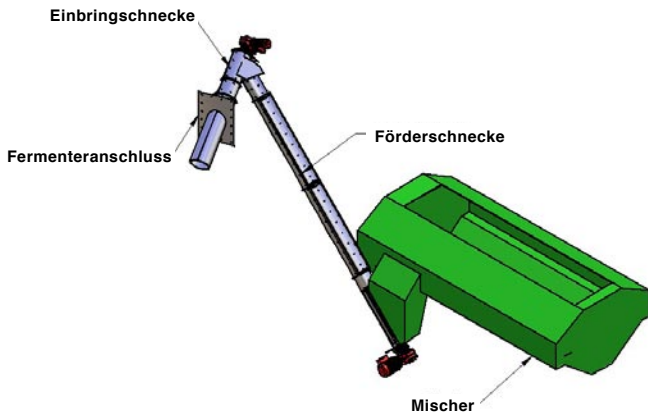
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# **BIOGAS PLANTS- Conveyor Screws**

**business worldwide**



## goldsaat BIOGAS PLANTS - CONVEYOR SCREWS



### Specifications:

<b>Drive performance:</b>	Dosing screw: 3,0 KW
<b>Screw conveyor:</b>	7,5 KW / 9,2 KW
<b>Placement screw:</b>	3,6 KW (protected against explosion)
<b>Dimensions:</b>	Dosing screw: Ø 300 mm, length c. 2000 mm
<b>Screw conveyor:</b>	Ø 325 mm, length in 500 mm-steps increasing
<b>Placement screw:</b>	Ø 350 mm, length c. 2500mm
<b>Capacity:</b>	Dosing screw: 22 m³/h (at max. fill level)
	Screw conveyor: 30 m³/h
	Placement screw: 40 m³/h

### Description:

goldsaat Biogas conveyor screws are designed for the measurement of solids in biogas plants. Their seamless construction enables good conveying capacity and ensures excellent transfer from screw to screw.

The flexible transfer system of the screws enables easy assembly. This must only be carried out observing goldsaat's diagrams and assembly specifications.

### Precautionary measures:

- Never reach into the current snail!
- The inspection taps may be opened only if the current supply were interrupted!

### Electrical installation:

Connecting the electric motors to the network, as well as all work on the motor's terminal boxes, may only be carried out by electricians or qualified specialists. Electrical installation of the motors may only be carried out according to the specifications contained in the operating instructions enclosed. Before carrying out electrical work the electricity supply must always be interrupted. Work safety regulations must always be heeded when electrical work is being carried out!

### Operation:

Check to see whether any foreign bodies have found their way inside the screws before operation. To do this, open the inspection taps and remove foreign bodies if necessary. Then close the inspection flaps again. Ensure that the coil of the screws, seen from the conveying direction, turn clockwise. If this is not the case, the electric motor must be reconnected. Check the amount of oil in the gears. Grease the bearings.

Only operate the screws in an empty condition. If the screw runs without any problems, slowly measure the medium to be conveyed and then shift to regular conveying operation.

### Notes on operation:

The screws may only be operated if all inspection flaps are closed and all necessary screws are tightened. Where screws convey amongst one another, the following screw must be set up for an increased output than the leading screw in order to prevent blockage of materials.

The lifetime of the screws may be increased by running the screws for longer than the mixer measures the material to be conveyed. This prevents the material staying in the screws, which can lead to swelling, thus making it difficult for the screws to re start.



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