



Schmack BioEnergy
The Future of Energy

PASCO

Load in hopper

The bacteria in the biogas plants are supposed to deliver maximum output around the clock. To do this, they require optimum living conditions in the digesters. As well as ensuring a balanced feeding schedule and consistent biological monitoring of the digestion process, it is vitally important to ensure that the micro-organisms are fed in a consistent, energy-efficient manner. With PASCO, Schmack Bioenergy offers a metering technology which has been tried and tested and satisfies the requirements for efficient plant operation.

Enabling optimum living conditions means

- coordinating the feeding intervals for the micro-organisms in such a way that they are not left with too little food or too much food for digestion
- adapting feed changeovers in an efficient way and a timely manner
- continuous monitoring of all key variables which are relevant to the biological process
- providing the technical foundations for stable operation, e.g. reliable stirring technology, consistent heat and sensors for monitoring filling levels, temperatures and gas quality

The special PASCO feeding technology features an electronic weighing device as standard which, in conjunction with the BIOWATCH® plant control system, ensures uniform feeding of the micro-organisms. Thanks to the automation, you can achieve both constant feeding of the bacteria and therefore steady gas production as well as making it considerably easier to run the plant during regular operation.



Technical data:

- Storage containers for feeding solid materials between 20 m³ and 80 m³
- Discharge apparatus, designed as a scraper floor system
- Milling roller system for homogenization with contact pressure monitoring
- Cross conveyor with a screw conveyor
- Vertical screw conveyor for a feeding height of up to 6 m
- Delivery screw for digester with explosion-proof drive
- Switching and control unit with all the necessary components for automatic, time-controlled operation of the plant
- Digester connecting plate for screw feedthrough
- Weighing technology for controlled operation

Type	Length (mm)	Width (mm)	Height of side wall (mm)	Volume	Max. Filling weight
PASCO 20 CR	5,000	2,500	2,650	20 m ³	12 to
PASCO 30 CR	7,500	2,500	2,650	30 m ³	18 to
PASCO 60 CR	11,500	2,500	3,340	60 m ³	36 to
PASCO 80 CR	15,000	2,500	3,340	80 m ³	48 to

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