

ANLAGENBERICHT



Sewage sludge incineration at AEB Amsterdam SAX 3192 and 4171

A plant for the co-incineration of sewage sludge has been built at the waste incineration plant in Amsterdam.

The mechanically drained sludge delivered by truck is transported to the receiving silo with SAXLUND Sliding Floor discharge device.



TECHNICAL DATA:

Built: 2015
Conveying medium : Sewage sludge
Schettgewicht: 1000 kg/m³
TS content: 28%

1 acceptance silo with shear bottom discharge

Siloinhalt : 34 m³
Austragsleistung: 40 m³/h

2-cylinder solids pump

Solid pump, type : SPX 2300-2000
Capacity: 40 m³/h
Conveyor pressure: 40 bar
Drive power: 110 kW
Pipeline, DN200 PN 100 : approx. 20 m

The sludge is conveyed to the boiler feed silo with the solid pump via the combined discharge and pre-press screw.

After the silo, the flow is evenly dosed into a fluidized bed furnace via the Saxlund distribution system.

The duplex solids pump with free cross-section in the entire range of 250 mm, specially developed for large quantities of foreign sludge, combines the advantages of the screw pumps and the



valve-controlled pumps. Extremely low wear and high availability characterize this type of pump.

If necessary, the system can be equipped with original Saxlund accessories such as:

- To protect downstream plant parts from foreign objects, a separator can be arranged in the pipeline after the pump.
- The degree of protection in this application is 40 mm.
- To reduce pressure loss by approx. 30%, a boundary layer injection pump can be used.

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