

PLANT REPORT



Sludge drying installation at the WWTP Doha in Qatar SAX 3905-12



TECHNICAL DATA:

Year of construction : 2012
Material : Sewage sludge
Bulk density : 900...1200 kg/m³

Dry solids content : 18...32 %

4 Storage silo (round) with Sliding Frame Discharge

Silo capacity : 213 m³
Discharge rate : 10 m³/h

4 2-Cylinder Solids Pump

Solids Pump, type : SP 2180-1000
Conveying capacity : 10 m³/h
Conveying pressure : 100 bar
Motor rating : 90 kW
Pipework, DN 200 PN 100 : ca. 60 m

For the waste disposal of the capital Doha the Emirate Qatar has built up a Waste Water Treatment Plant in the desert.

With the treated waste water to a newly emerging theme park is irrigated.

The mechanically dewatered sludge is stored in the SAXLUND silos. The bases of the silos are designed as dustproof, air-conditioned rooms in order to protect the hydraulic and electrical engineering from the extreme weather conditions.



The SAXLUND Sliding frame with discharge screw feeds the transfer chute of the prepress screw. The downstream SAXLUND solids pump supplies the dryer continuously with sludge.

To protect downstream equipment a foreign object separator is installed in the pressure pipe and keeps back foreign parts greater than 30 mm.

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Other products for silo and conveying technology:

- Saxlund Int. Sliding Frames
- Saxlund Int. Push Floors
- Tubefeeder®
- Saxlund Int. Rotors
- Saxlund Int. Solids Handling Pumps
- Troughed Chain Conveyors
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