

Bristol WwTW

Limed Sewage Sludge Cake Storage & Lorry Loading System



Digested and limed sewage sludge cake is fed from adjacent processes via our in-feed belt (digested) and chain (limed) conveyors to the Saxlund storage and lorry loading silos (8m and 10m, respectively). Both silos are equipped with the Saxlund Sliding Frame discharge machine with discharge screw.



Bristol WwTW

Limed Sewage Sludge Cake Storage & Lorry Loading System

Here at Saxlund, we thrive on being at the forefront of the bulk solids handling and storage industry. Our dedicated team of professionals are constantly developing new machinery and components, to ensure we give you the customer the best quality possible and keep Saxlund the industry standard.

Over the last 50 years our group have had constant demand from companies worldwide. We offer a complete solution - bespoke design, construction, commissioning and comprehensive "after-sales" support.

Our specialist knowledge, with particular expertise in flat bottom silos and bunkers, can be applied to bulk materials and alternative energy solutions for industries including cement, bioenergy, wastewater and recycling.

Technical Data

Saxlund project ref. no.:	SUK 1032
Year of construction:	2004
Material:	Digested & limed sewage sludge cake
Bulk density:	1125 kg/m ³ (max)
Dry solids content:	20 - 25%
Specification	
Discharge rate:	120 m ³ /hr
Equipment	
1 x Spiral Screw Conveyor for Digested Cake Feed to Belt Conveyor	
Type:	U-320R
Length:	5880mm
Discharge rate:	8 m ³ /hr
Motor rating:	3 kW
1 x Belt Conveyor to Silo (1)	
Type:	Troughed belt
Length:	31,000mm
Discharge rate:	8 m ³ /hr
Motor rating:	3kW
1 x Digested Sewage Sludge Cake Storage & Truck Loading Silo (1) with Sliding Frame Discharge Machine	
Silo diameter:	8000mm
Silo capacity:	424m ³ gross
Sliding Frame type:	GL-8000-SXT-DM
Hydraulic cylinder diameter:	180mm
Hydraulic power pack motor rating:	2 x 18.5 kW
Tank capacity:	400L
Discharge screw conveyor type:	DM500
Length:	8212mm
Discharge screw motor rating:	18.5 kW
1 x Chain Conveyor to Silo (2)	
Type:	Z500-L
Length:	31,000mm
Discharge rate:	20 m ³ /hr
Motor rating:	7.5 kW
1 x Limed Sewage Sludge Cake Storage & Truck Loading Silo (2) with Sliding Frame Discharge Machine	
Silo diameter:	10,000mm
Silo capacity:	662m ³ gross
Sliding Frame type:	GL-10,000-SXT-2DA
Hydraulic cylinder diameter:	200mm
Hydraulic power pack motor rating:	2 x 18.5 kW
Tank capacity:	400L
Discharge screw conveyor type:	DM630
Length:	9000mm
Discharge screw motor rating:	15 kW

11 Freemantle Business Centre, Millbrook Road East, Southampton SO15 1JR

T: +44 (0) 23 80 63 63 30 F: +44 (0) 23 80 63 63 43

E: info@saxlund.co.uk www.saxlund.co.uk