



FOIL LAGOONS

Our Foil Lagoons are a closed system with the opportunity to store slurry, polluted water, purified water, sludge, etc. This basin can be realized with or without a floating cover. To get a homogeneous liquid after a period of storage we can offer different systems to mix the contents of the foil basin.

IMPLEMENTATION

The foil Lagoons are an excavated pit in the ground and the dikes are build of the soil left from the excavation. The depth of the pit depends on the groundwater level at the building location. Foil Lagoons are made-to-measure and will be to your wishes and demands. In this way a Foil Lagoons can be realized almost everywhere. The bottom foil will be made of Nicoflex 800 HSPO (High Strength Polyolefin), with a polyester reinforcement weight 970 gr./m² and the material used for the floating cover will be Nicoflex 1000 HSPO, weight 1130 gr./m². Nicoflex is a low Density Polyethylene (LDPE) foil reinforced with a polyester net. This gives our foils the unique characteristics of being very strong, very UV- resistant and very flexible, even at -/- 40 C. In consultation with the customer the Foil Lagoons can also be assembled with other kinds of foil like PVC or EPDM. The discharge- and feedstation will be produced with high quality materials.

MIXING

For mixing our Foil Lagoons we would recommend the ranch of Lagoon Mixers from Storth

YOU CAN SATISFY EVERY LEGAL STANDARD

The Foil basin is provided with the Dutch KOMO/KIWA suitability certificate under number K14432 and the German D1Bt suitability certificate under number Z-59.22- 301.

The basin with possible (optional) floating cover has a reference period of 10 years and fully satisfies all the demands of the Dutch HBRM (Manure silo construction guidelines) and the German DIBt guidelines. This Liner is also SEPA approved for Scotland & meets all NIEA requirements.

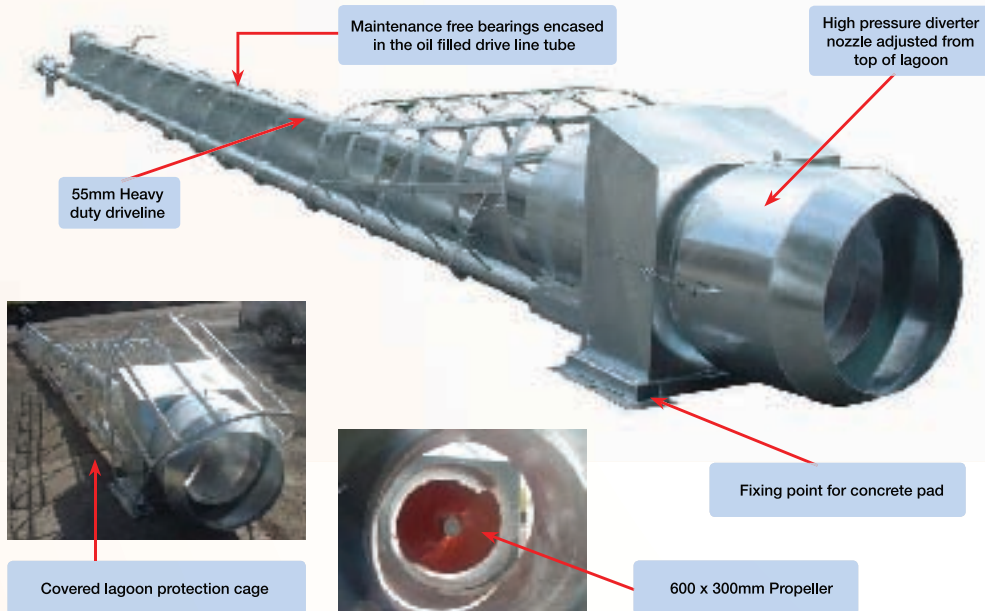
PROFITABLE AND GOOD.

A Foil Lagoon is a profitable solution for your storage of liquids . No Wonder that so many customers choose this sufficient system after sensible consideration.

LINTON

LAGOON MASTER

The Storth Lagoon Master has been designed to be a permanent fixture in an open or a covered lagoon. Mixing of the lagoon can be controlled by a handle at the PTO end to divert the slurry to different parts of the lagoon. This machine requires regular use to prevent crust building up on top of the lagoon.



Technical Details
100 HP required
600 x 300mm standard propeller
5000m³ mixing capacity from one mixing point*
55mm drive shaft
Oil filled driveline tube maintenance free roller bearings
540RPM Shearbolt protection on PTO shaft supplied

The Storth 'Lagoon Master' is the ideal machine for use in a lined lagoon, with or without a cover. The lagoon Master has a 55mm drive shaft with maintenance free roller bearings and a mechanical seal in the main drive shaft tube which is oil filled to produce smooth running. Either side of the main drive tube are two suction pipes which can be used to draw off slurry, these tubes are also used to provide strength to the machine. The high pressure nozzle should be bolted to a fixed concrete slab at the bottom of the lagoon. The divert nozzle can be adjusted at the top of the machine with a handle. If the Lagoon Master is used in a lagoon with a cover, the cover is protected from the propeller by the guard frame and the propeller housing. To give maximum performance you require 130hp to drive the machine. This machine comes in two lengths, 11 meter and 16 meter.



Contact Linton for further information:

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We at Linton will immediately provide you with an estimated cost of a system that will suit your Slurry storage system and save you money. Site visit may be required.

AUTHORISED DEALER