

G1 - Dewatering

Lisep with Integrated Lipactor

Centrifugal de-watering of solids from effluent and compaction.

PROCESS INPUT:

Process effluent containing < 10mm particle size.

PROCESS OUTPUT:

Compacted solids < 40% dry solids (by volume).

BY-PRODUCT PRODUCED:

Process effluent with particles < screen hole size (typically 2mm).

SERVICES REQUIRED:

N/A.

CAPACITY RANGE:

1 - 24 l/s.

TYPICAL ELECTRIC MOTOR DRIVE SIZES:

Separator 1.5 to 7.5kW.

Compactor 0.37 to 1.5kW.

Self contained centrifugal dewaterer and compactor with pipe connections.

Pumped effluent enters a centrifugal sieve with 2mm/3mm perforations. Liquid and particles < 2mm or 3mm return to flow via a decant line, solids are transferred to a compactor.

The compactor compresses the solids removing additional liquid (to combined decant) before discharging the compressed 'slug' into the collection arrangement.

The image shows a wheelie bin arrangement, however a skip discharge or Carriskip are other typical arrangements.

Returned decant liquid contains solids in suspension.



“Self contained centrifugal dewaterer and compactor with pipe connections.”

Model	LS305-4	LS305-6	LS305-8	LS405-24
*Flow Rate	4 l/s	6 l/s	8 l/s	24 l/s
Screen hole sizes	3 or 2mm	3 or 2mm	3 or 2mm	3 or 2mm
Typical Separator drive size	1.5kW	2.2kW	3.0kW	7.5kW
Typical Compactor drive size	0.37kW	0.75kW	0.75kW	1.5kW

* Flow rates based on effluent containing < 2.5% dry solids and having been macerated to a controlled particle size