Eko-erotus 120

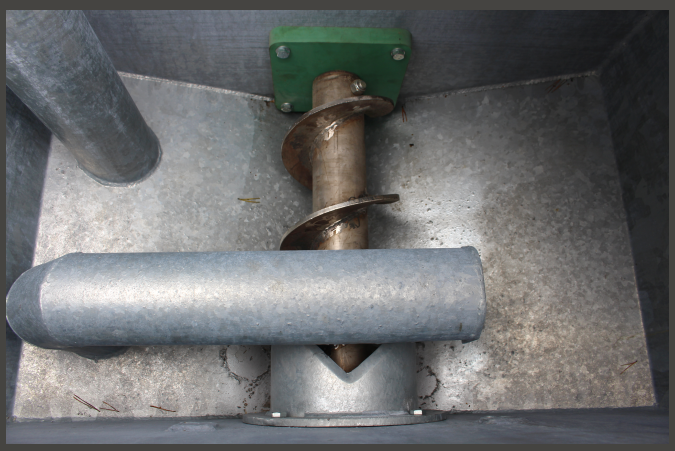
Separator

Eko-erotus 120 provides about two cubes of dry matter in one hour. Solid's dry matter percentage is 32-35 and it is adjustable to meet the customer's needs.

Structure of the separator

The structure of the machine is simple and it is easy to use. The screw conveyor is fully encapsulated and it get it's power from the motor of the separator. The dry matter plug is formed by the green natural rubber seal and the dry matter starts to form immediately when starting the machine. There might come some fluids (2 dl) through when starting the machine for the first time.

Sieve's lid has made of stainless steel. It's very easy to remove and after remove the sieve is ready for wash. The substance strength of the sieve is 3mm and the size of the hole is 3mm. That's why the need of the wash is very minimal.



350L feed tank stabilizes the manures feeding process. Inside the tank is a manure control for curve and patented cutting crown. The crown will cut hay and small woods. Below the tank are joints to the manures transfer pipes. Feed pipe joint (Bauer 4 inch female), overflow joint (Bauer 5 inch female) and stone pocket/cleaning joint (Bauer 4 inch female). The meaning of the overflow is that the pump wouldn't pressure the machine too much and it helps to see even the smallest amount of out coming fluid. That's when the machine gets its "food".

Below the sieve is a tank, from where we can strain or pump the separated fluid to the place we want to. Transmission transmittes from 4kw engine motor (VEM) to bevel gear. The torque acting is 2000Nm with and angular acceleration of 19r/min.

Painesiipi (pressure wing)

The view from up

The view from down

The rubber of the screw has been patented by name "painesiipi" (pressure wing). The benefits of the pressure wing are:

- the metal does not rub metal, but the pressure wing rubs it
- seals against the sieve because the screw pushes it forward and it is targeted by back pressure. The back pressure pushes it against the sieve, forcing the softer material open the holes in the sieve
-the pressure wing helps the sieve lasts long
-the pressure wing is an easily changeable spare part

Control center has made and measured to last. It has 32A plugin and the control center includes:

- main switch
- emergency stop
- manual/automatic
- control power
- screw forward/backward
- submersible pump forward/backward
- extraction to the pump or mixer
- timer from relays

ekoerotus

TEHTY SUOMESSA
MADE IN FINLAND

The design of the machines has focused on serviceability, simplicity and operational reliability.

For more information, visit: www.ekoerotus.fi