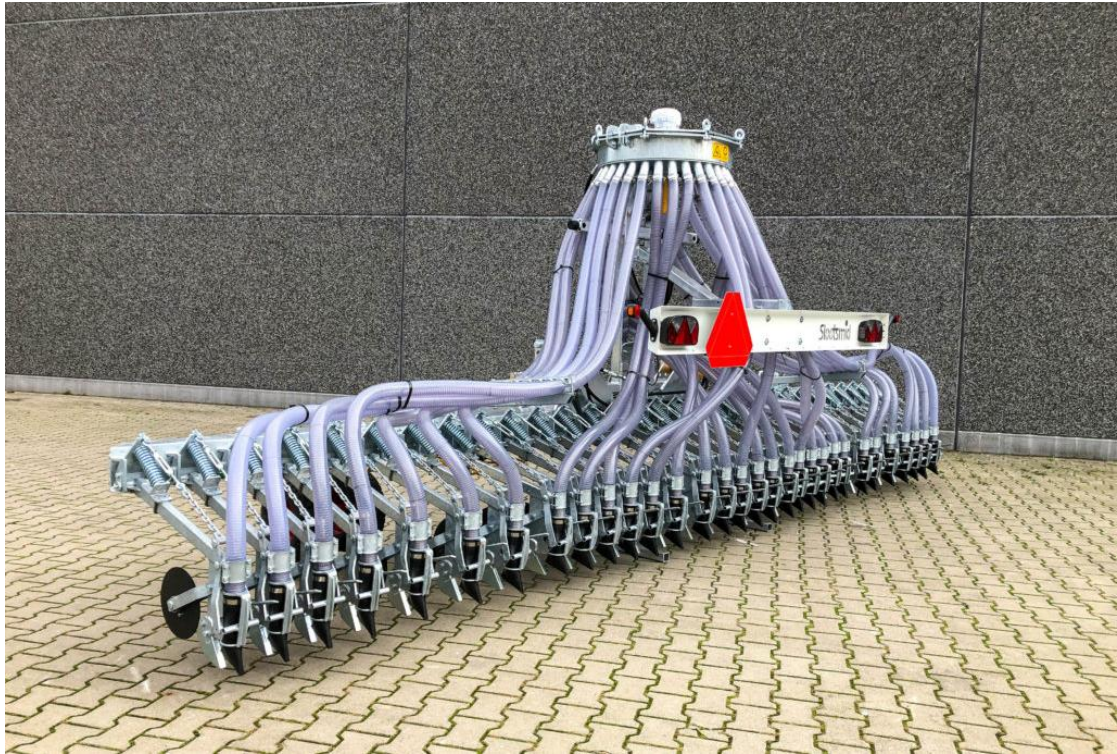


USER GUIDE

SK-2 Grassland injector



Sluotsmid

brings your soil to life.

Foreword

Congratulations! You are the owner of a Slootsmid (SK) Slit – Coulter Slurry injector. Produced for the modern farmer. We think that with buying this Slootsmid injector you have made a good choice. We are persuaded, when used appropriate the machine can be used for many years.

Before you use the machine, read this manual! We cannot give any insurance when the machine is not used appropriate (according to this manual).

Slootsmid always tries to improve her machines and products. Slootsmid has the rights to develop and change the machine, without further obligation to formerly produced machine. All pictures, sizes and weights which are given in this manual, can be changed at any time, without any information. Pictures, sizes and weights are as accurate as possible. Through changing in production these values are non – mandatory.

Slootsmid Mesttechniek B.V.

Korenbree 40-A
7271 LH Borculo (the Netherlands)

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1. Guarantee

We guarantee a six months full guarantee. Prohibited that the machine is used appropriately and according this manual.

The guarantee includes only the defects who find there assignable cause in material or production faults. The guarantee is limited to delivering material at no costs. This only on the judgment from Sloodsmid.

The possibility to claim ends at six months after delivery of the machine. Also in judicious use, wrong or no maintenance, wrong recovery and changes to the machine the possibility to claim will expire. It is only possible to claim by filling out the guarantee form.

Sloodsmid	Zutphenseweg 31 7245 NR Laren (Gld) Telefoon 0573 - 401227 Telefax 0573 - 402131 Nederland
Machine type	CE
Chassis no.	Prod. Serie no.

When you would like to order spare parts, please inform us the numbers on the rating plate.

2. EU declaration of conformity for machinery

(Guide 2006/42/EG) appendix II B

Manufacturer : Slootsmid Mesttechniek B.V.
Adres : Korenbree 40-A, 7271 LH Borculo
The Netherlands

Herewith declares that,

The Slootsmid SK slit-coulter slurry injector

Serial number : _____

Year of manufacture : _____

Delivery date : _____

Meet the requirements of the machinery guide (Guide 2006/42/EG, last changed); appendix VII part B

Accomplished in Borculo at, _____ *

M.A.C.B. Schaepman
Director Slootsmid B.V.

*Fill in by delivery

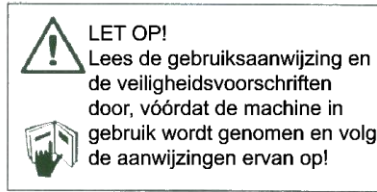
3. Safety instructions

The on the machines attached stickers inform the user a safe use with the machine.

1. Following these instructions is very important for your own safety! Stickers which are damaged need to be replaced!
2. Use this machine only when all protection is complete, intact and in functional condition. The protection prevents the access to dangerous areas and prevents other people. For this reason, keep always the protection in optimum state.
3. Make sure that nobody is on, under or at the machine when;
 - a. The machine will be turned on;
 - b. Using the machine;
 - c. Stands still but not is turned off.
4. The machine can only be operated by one person.
5. When the tractor is standing still, the machine has to stand at rest. This means spread out and lifted down! The spherical plug and the hydraulic block need to be closed.
6. When repairing the machine, the tractor has to stop and the hydraulics need to be shut off.
7. Make sure that when opening the cutting filter no pressure for the manure is presumed. This can be achieved by spreading out the machine and lowering the complete machine.
8. Watch for your fingers when repairing the cutting filter.
9. Damaged hydraulic lines need to be repaired immediately.
10. The over-compression- valve should not be displaced, consult your supplier for information.
11. Make sure that nobody is standing near to the machine or walking around the machine while working with the machine.
12. Do not stand on the machine while working with the machine.

3.1 Safety stickers

The on the machine attached stickers inform the user a safe use with the machine. Following the instructions is very important for your own safety! Stickers which are damaged need to be replaced.



Lees de handleiding



Attentie bij werkzaamheden aan de snijverdeler



Overtuigt u zich ervan dat er zich niemand in de directe omgeving van de machine bevindt



Bij werk aan de machine de trekker stop zetten

4. Connecting description

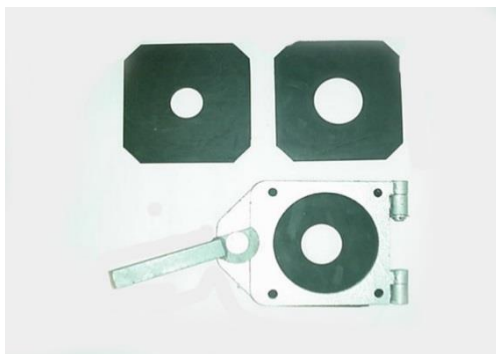
Connecting the machine behind the tank.

1. The condition is that the tank a continuous frame.
2. Connect the lift consoles with the support pieces according the sketch to the tank.
3. Connect the lift consoles the topline and the lift cylinders according next photo. See the concept lifting device and the concept stabilization collars. (Page 12)



4.1 Lifting device and meter set

- Connect the pins every time with grease.
- Connect for the SK 3M 2x18 MM hydraulic lines.
- Connect for SK 4M, the SK 5M and SK6M 2x18MM hydraulic lines for the manpower and 2x15 mm. hydraulic lines to fold up.
- Attach the machine to the tank and enclose the hydraulic lines.
 - Look at hydraulic diagrams tanks (page 10)
 - Fit a 4" or 5" serpents between tank and injector and connect it.
- Connect at vacuum tank the meter set on the distributor and connect it on the small pressure reducer of the pump, in order to hold the pressure continuous.
- The machine is ready to use.

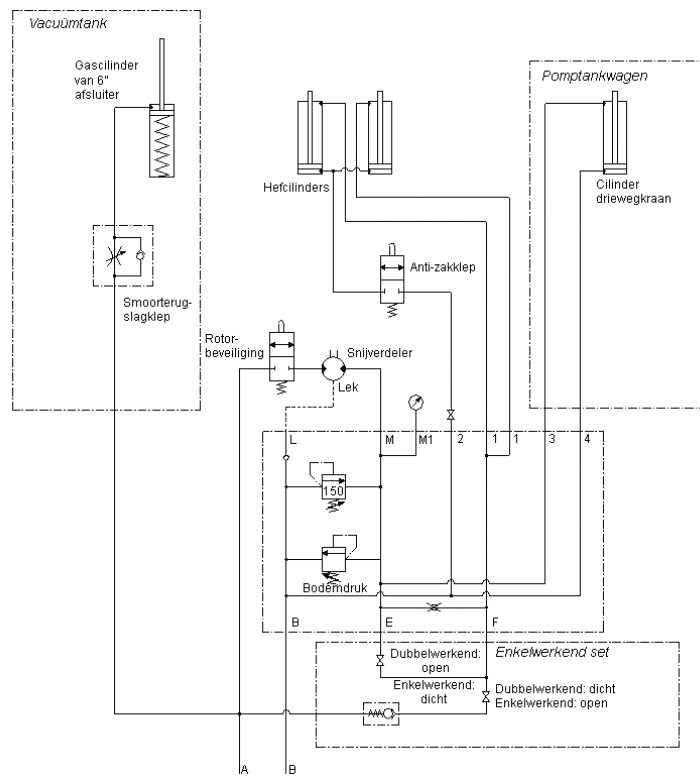


Meter Set

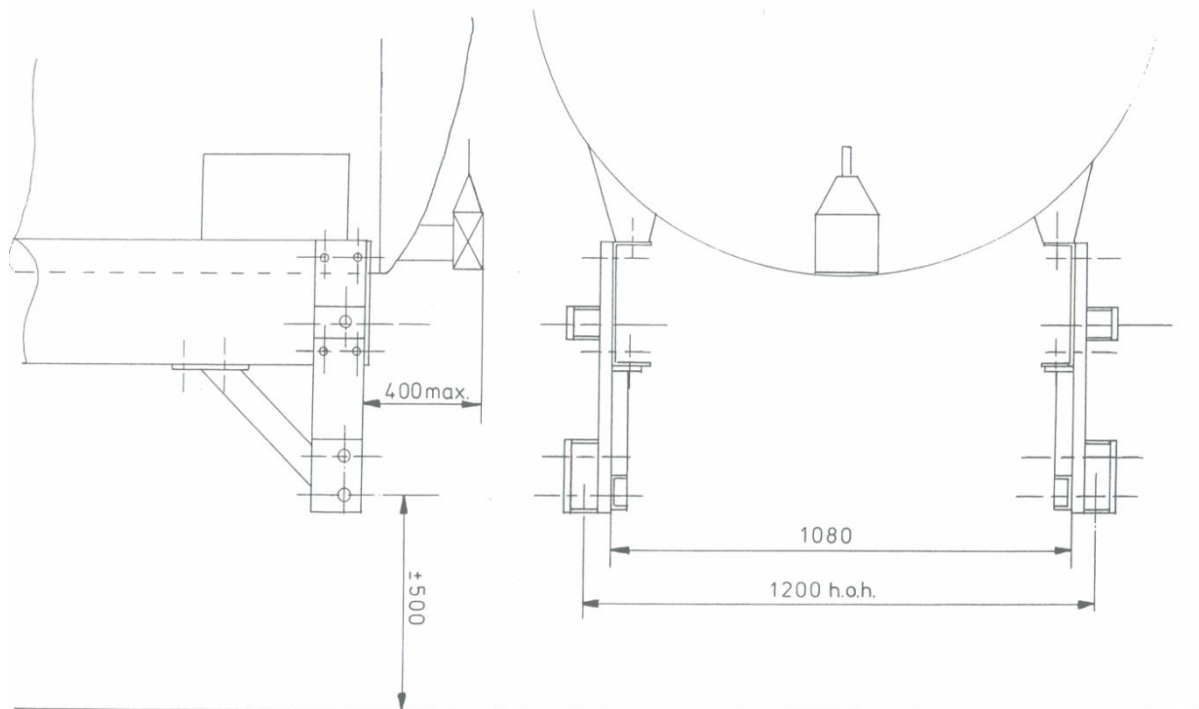


Small Pressure reducer

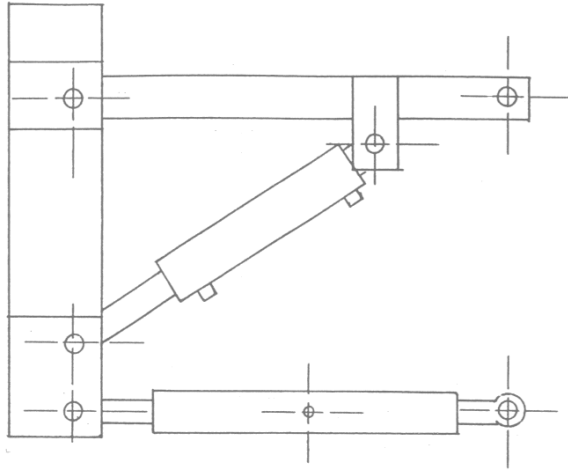
4.2 Hydraulic diagram



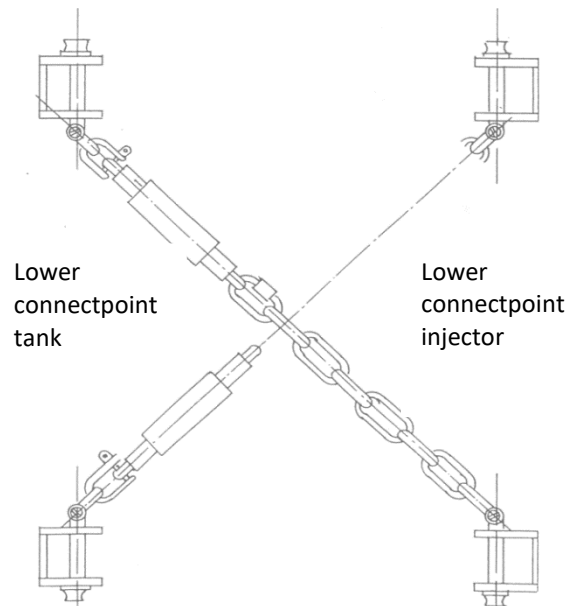
4.3 Concept extension parts



4.4 Concept suspension



4.5 Concept stabilization cutting



5. Tuning the working depth.

1. Control the machine to stay even, that the cutting filter stay even on the work position.
2. Set the valve in tractor secure in the position "let down"
3. Set the average ground pressure about 30 til 40 (max. 60) Bar, by means of the hand wheel on the rank valve.
4. Raise the rear wheels therefore that the elements in tilt a little bit run down.
5. Work about 10 meters and control the work position. If necessary raise the wheels and pressure during working time, the valve stay at position run down.
6. Do not raise the working pressure to high. This raise only the pressure on the wheels for the depth tuning and with that the necessary tractive power.
7. When the wheels running on the bottom, you can move over to adjustment of the tension load for further tuning.
8. Presume the work position ever the spring pressure is changed.
9. The mending of spring pressure at the SK when you postpone the stated gibbet, you can repair the spring pressure.
10. Start the gear – box at the pump tank. (Look at the diagram of the pump tank)
11. Tune the pressure on 0.3 – 0.5 BAR at the vacuum tank and mount the correct meter record.
12. The pressure in the tank and the meter record are dependent from the thickness of the dung and the speed.
13. During working with the machine, always keep the hydraulic valve in "lowering" position. Therefore the divided mill keep twist. The machine has the continuous tuned average ground pressure and a good ground adjustment.

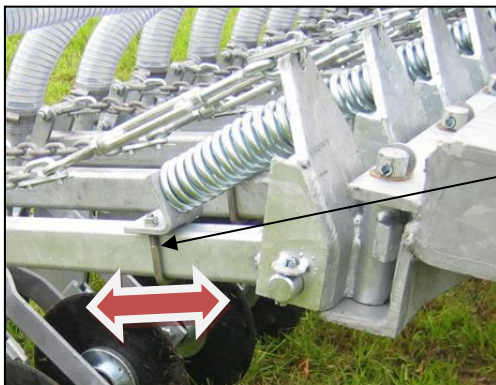


Manometer

Distancebolt for adjusting
bottompressure



Angle of 10° degrees
Horizontal



Gibbet (adjustable)

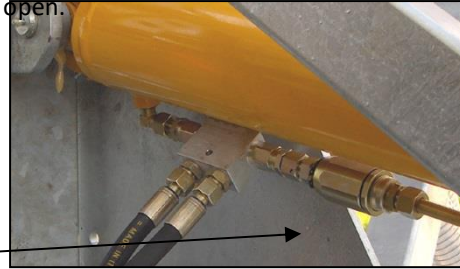
5.1 Tuning folding out the machine

When you fold the machine up and down, there are large powers. For a good dividing of the powers and a maximum load to occur, the arms must be move step by step and steady. You can adjust the fold down speed with a stew valve on the cylinder. (Look at the picture)

The cylinders are stew on the return oil. The tuning from the fold down speed has to be done once.

1. Fold the machine arms up.
2. Fold the arms down again and pay attention to do this steady.
3. When the arms don't fold steady down, then stew the speed cylinder a little bit out.
4. Don't be during fold down the arms chatter, when they do; the choking is to much open.
5. Twist to the lock ring; stew. Twist out from the lock ring; open.

Lock ring



6. Working with the machine

1. Make sure that nobody is on, or at the injector.
2. Spread the machine (security unlocks automatically)
3. Set when driving the machine on lowering and set the valve handle on lowering.
4. Set when driving the machine on lifting and put the handle from the valve in neutral.
5. Always lift the machine in the highest position.
6. Fold the machine up.
7. During transportation over the public road, the sequence block has to be closed. (page 19)

ATTENTION! Never drive backwards when the machine is in use.

7. Maintenance

Frequently using the machine

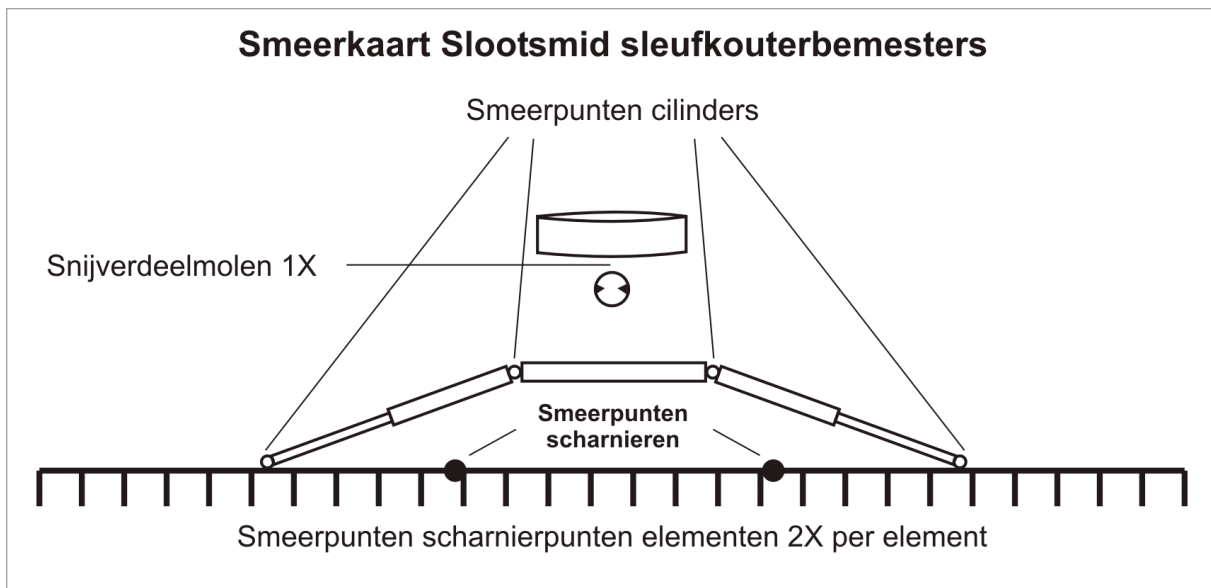
- Clean the cutting filter daily
- Check the grease points every week
- Check the lights before you drive on the public roads

Machine at storage:

- Clean the cutting filter, oil coating and clean air valves
- Check all grease points, eventually replace them
- Oil – coat the coulters
- Oil – coat the visible parts of the piston – rod
- Damaged hydraulic tubes need to be replaced lines
- Bring the tires on tension (2,5 BAR)

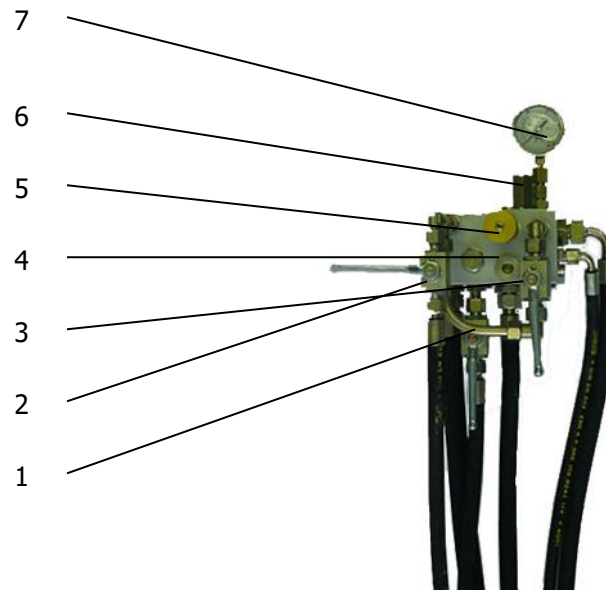
7.1 Lubrication points

Clean the lubrication points every week



8. Hydraulic order valve

1. Spherical plug (lowering)
2. Spherical plug
3. Spherical plug
4. Pre – loading device
5. Press mending (average ground pressure)
6. Gauge pressure valve
7. Manometer



Automatic sequeceblock

9. Troubleshooting

The machine does not want to go down.

A. The spherical plug is closed at the bottom of the hydraulic block

Solution: Tap open.

B. The machine isn't complete spread down, therefore the anti – lowering valve isn't served. The tuning from the anti – tower lowering valve. In the tripped over position, the pin from the spread down lowering

C. Automatic coupling is broken.

Solution: Trace it and replace it.

The machine does not want to lift.

A. The distributor stuck.

Solution: Clean the distributor. Pay attention for your fingers!

B. Intrusion in the hydraulic block.

Solution: Ask Slootsmid.

C. Automatic quick couple is broken.

Solution: Trace it and replace it.



Anti lowering
valve

The machine goes down during the transport.

A. Leaving of the anti fall down valve, for example through dirt.

Solution: Clean the valve, ask the producer.

B. Leaving wristbands from lift cylinders.

Solution: Repair the cylinders.



Inside distributor

The machine distribute irregular or not.

A. Rotor in distributor is stagnating.

Solution: Clean the distributor. Pay attention for your fingers.

B. The tubes from the rotor are blocked up.

Solution: Clean the tubes.

C. The tuning from the rotor is too hard.

Solution: Repair the motor clean at a swivel hydro motor.

(It must be slide fitting) Repair rubber wheel and a steel wheel. Turn the muck on, that the rubber wheel +/- 1,5 mm pressed is.

D. Aeration clatters are indeed or blocked up.

Solution: Clean the clatters.

Rotor security

10. Technical information

Type	SK3M	SK4M	SK5M	SK6M
Number of coulters	15	21	25	31
Coulter distance in CM	20	20	20	20
Working width in M.	3.00	4.20	5.00	6.20
Transport width in M.	3.00	2.65	2.65	2.65
Thrust wheels	2	2	4	4
Hydraulic folding	No	Yes	Yes	Yes
Own weight in KG.	700	910	1100	1340

Digging depth : from 0 to 4 cm.
Dosage : 5 to 30 m3 per ha.
Quotation : automatic with a rank valve

For the SK 4M, SK 5M en SK 6M type, 1 double valve for the quotation and 1 double valve for fall up and down is needed.

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