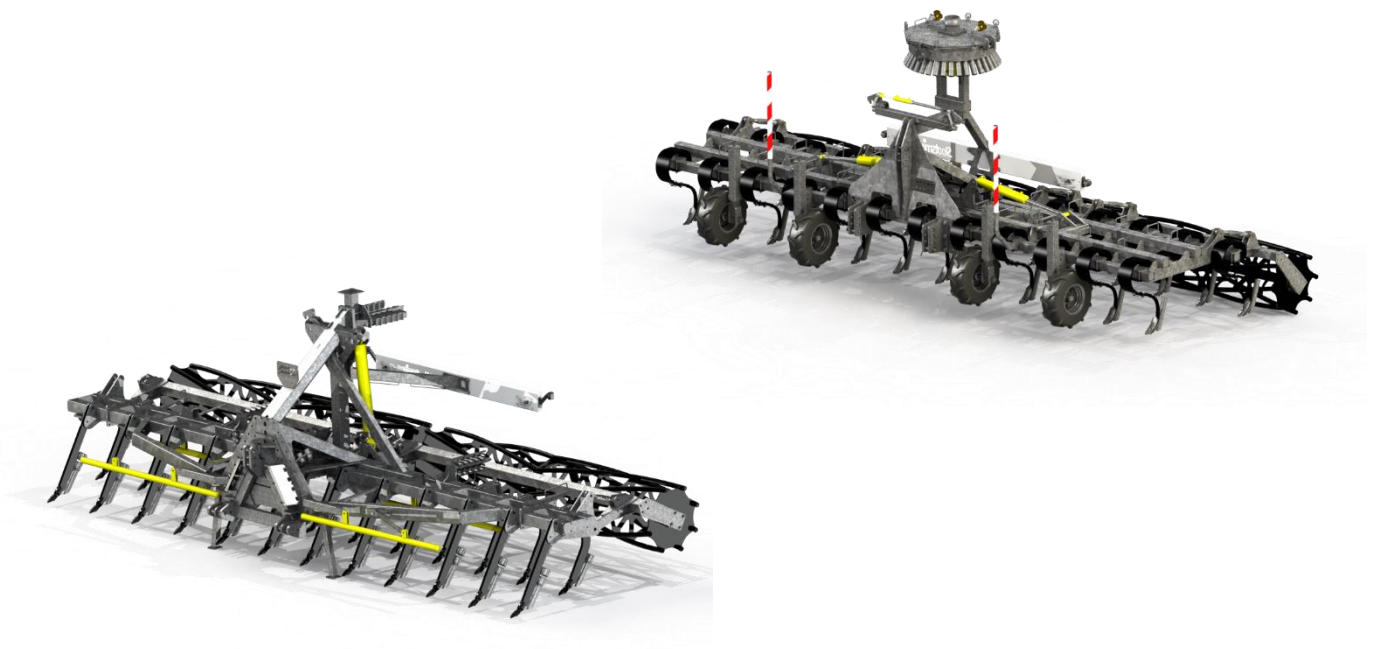


# USER GUIDE

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SB ECO, SB PROFI AND SBB PROFI MAX



## FOREWORD

Congratulations! You are now the owner of a Slootsmid slurry injector. We believe that you made a good choice by buying a Slootsmid fertilizer. We are confident that you will be with this slurry injector, under normal use and well maintained, a satisfied user for many years.

Before you start using your slurry injector, we advise you to carefully read these instructions. Because we cannot guarantee any operating errors or improper use.

The manufacturer will strive for improving their products and reserves the right to make changes without any obligations to previously supplied machines

All figures, dimensions and weights appearing in this manual are subject to change without notice.

Images and data are as accurate as possible, but by alterations not binding.

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## Guarantee

After delivery date we guarantee a six (6) months fully guarantee. Prohibited that the machine is used and serviced according this manual.

The guarantee includes failures which find their assignable cause in material and production failures. The guarantee limits to delivery of new spare parts under guarantee. This only on judgement of Slootsmid.

The demand for guarantee declines six (6) months after delivery date. Also inexperienced, wrong or insufficient maintenance or wrong repairs and changes decline the demand for guarantee. By filling out the guarantee form it is possible to demand for guarantee.

|                                                                                   |                                                                                                        |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  | Zutphenseweg 31<br>7245 NR Laren (Gld)<br>Telefoon 0573 - 401227<br>Telefax 0573 - 402131<br>Nederland |
| <input type="text"/>                                                              |                       |
| Machine type                                                                      |                                                                                                        |
| <input type="text"/>                                                              | <input type="text"/>                                                                                   |
| Chassis no.                                                                       | Prod. Serie no.                                                                                        |

When ordering spare parts we ask you to inform us the numbers on the rating-plate.

## 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 arable land slurry injector type SB

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, \_\_\_\_\_ \*

Slootsmid B.V.

\*Fill in by delivery

## Safety instructions

The stickers attached to the machine and tankers give information for a safe use and important instructions.

1. Following the instructions is very important for your own safety. Damaged stickers need to be replaced immediately.
2. Do not work with the machine when safety protections are not complete, in functional state and undamaged. The protections prevent you for the danger zones of the machine. Always keep the protection in optimal state.
3. Make sure that nobody is on, under or close to the machine when:
  - a. The machine is put into work
  - b. You are working with the machine
  - c. The machine is standing still, but is not turned off.
4. Only one person can operate the machine.
5. When the tractor is standing still the machine has to be in position of rest. This means the arms need to be folded out and the machine is not lifted. The ball valve on the hydraulic valve needs to be closed.
6. When servicing the machine make sure the engine from the tractor is stopped and the hydraulic circuit is discharged.
7. Make sure the machine is folded out and lowered when opening the cutting-rotor to prevent pressure of the manure into the cutting-rotor.
8. Pay attention to your fingers when working on the cutting-rotor.
9. Damaged hydraulic lines need to be replaced immediately.
10. It is not allowed to adjust the relief valve outlet, ask your supplier or Slootsmid.
11. Do not stand on the machine while working with the machine.

## Safety stickers

The attached stickers to the machine or tanker inform a safe use and important instructions. Read these instructions and work according to the instructions. Damaged stickers need to be replaced immediately.



- Pay attention! Read the manual and safety instructions before you start working with the machine.
- STOP. Attention when working on the cutting-rotor
- Make sure nobody is on, at or in the area around the machine when working with the machine.
- STOP. When servicing the machine stop the engine of the tractor.

## Assembly description

Assembling the machine behind a tanker:

1. Restriction is that the tanker has a uninterrupted chassis.
2. Assemble the lifting consoles with the supports according the drawing at page 11 tot the tanker.
3. Assemble the lifting arms, top link and the lifting cylinders according the drawing at page 12.

## Hitch en dose set

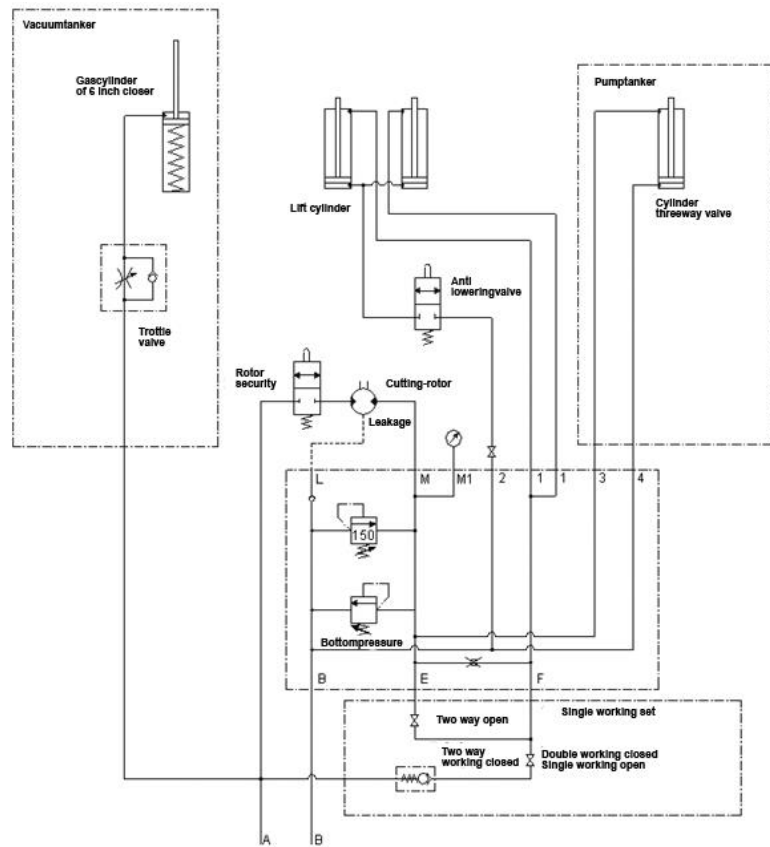
Information about the hitch and the dose set

- Grease hitch pins before use.
- For the SB 3M machine, two (2) hydraulic connections (tube diameter: 15 millimeter for steering) are necessary on the backside of the tanker.
- For the SB 4.5M, SB 5.5M and SB 6.5M machines, two (2)hydraulic connections (tube diameter 15 millimeter for steering) and two (2) hydraulic connections (tube diameter 12 millimeter for folding) are necessary on the backside of the tanker.
- Fit the machine behind the tanker and connect the hydraulic lines
  - o See hydraulic scheme for pumptankers and vacuumtankers at page 10
  - o Attach a 4" or 5" inch hose in between the machine and the tanker.
  - o In case using a dose set, assemble the set, inbetween the connectionhose (tanker -> machine) and the cutting-rotor.
  - o In case using a small pressure reducer, assemble the set on the vacuum pump for holding the pressure continuously.

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
| Picture of the dose set                                                             | Picture of the pressure reducer                                                      |

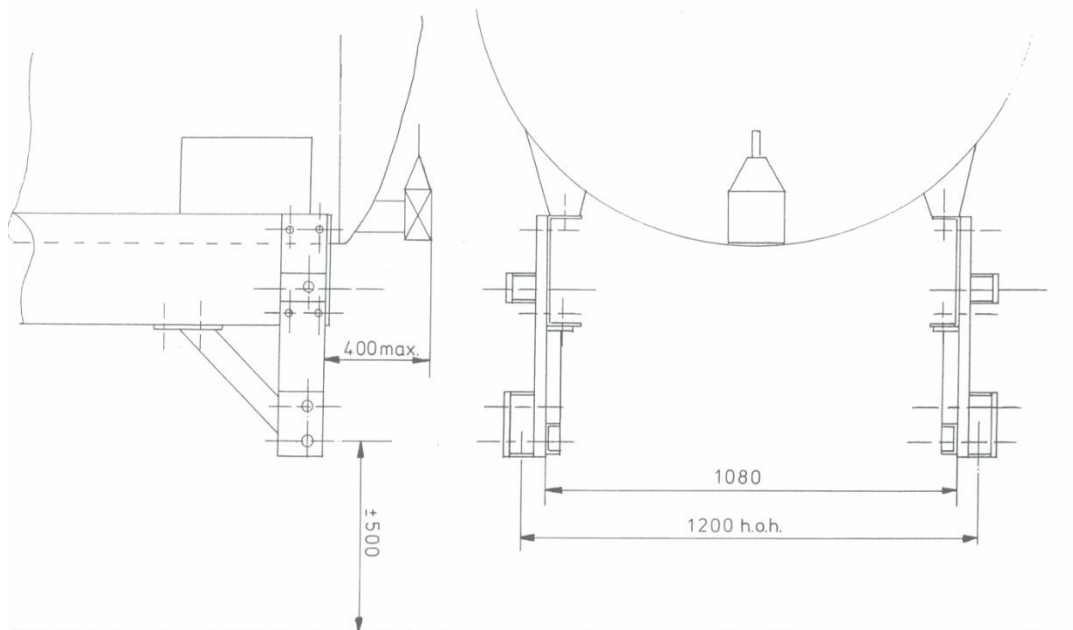
## Hydraulic scheme

Picture of the hydraulic scheme.



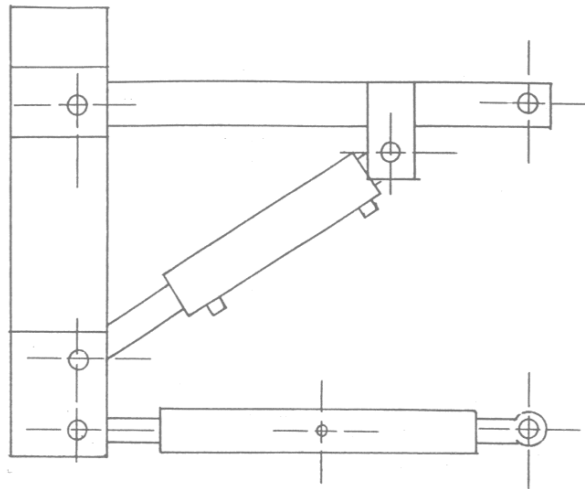
## Scheme attachments

Scheme of the attachments to the tankers.

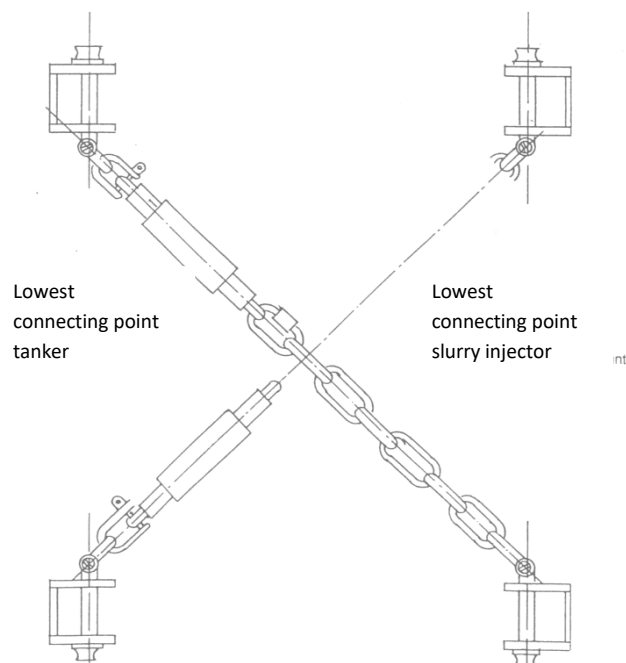


## Scheme hitch and scheme stabilization chains.

Hitch:



Stabilisation chains:



## Tuning the machine

Always make sure that the machine is in horizontal position when it is in working position.

## Working with the machine

- Make sure nobody is in the area around the machine when you start working with the machine
- Fold out the machine (from type SB 4.50)
- Start driving and lower the machine and keep the hydraulic flow in neutral position.
- When lifting the machine, put the valve handle in neutral position when the machine is lifted.
- Always lift the machine as high as possible.
- Fold in the machine (from type SB 4.50)
- When driving on public roads you have to close the ball valve on the hydraulic block.
- NEVER DRIVE BACKWARDS WITH THE MACHINE IN WORKING POSITION!

## Maintenance

When frequently using the machine

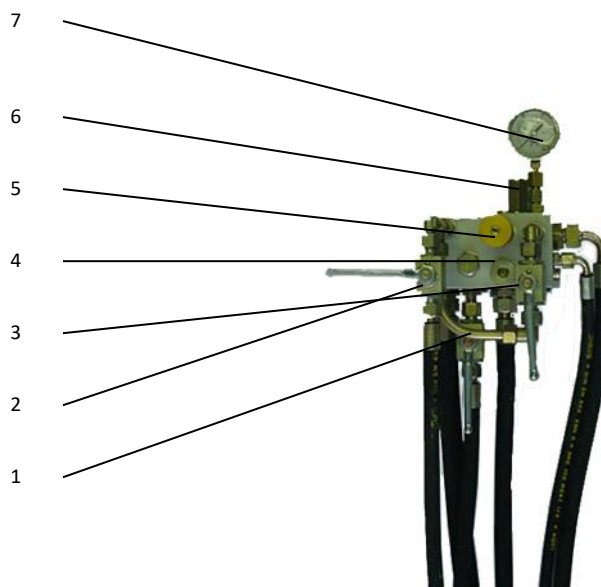
- Clean the cutting-rotor every day
- Check the hoses for clogging
- Clean the quick couplings every day
- Grease the pins from the folding part, the cylinders and hitch every day.
- Clean the machine every week, and grease all grease points
- Grease the cutting-rotor mechanism every week
- Before driving on public road always check the lighting

When the machine is stored

- Clean and grease the cutting-rotor and clean the air valves
- Grease all lubrication points and replace them when damaged.
- Grease the visual places of the piston rod
- Place caps on the hydraulic quick couplings.
- Dismantle the rotor
- Clean the hub or the rotor
- Clean and grease the axle of the hydromotor
- Clean the machine and clean the hoses
- Damaged hydraulic lines need to be replaced
- Check the tire pressure (2.5 Bar).

## Hydraulic sequence valve (optional)

1. Functions of the hydraulic sequence valve
2. Ball valve (lowering)
3. Ball valve (for single working set)
4. Sequence valve
5. Pressure attachment for bottom pressure
6. Relief valve outlet
7. Manometer



## Failure

It is not possible to lower the machine:

- Problem : Ball valve under the hydraulic block is closed.  
Answer : Open ball valve  
Problem : Machine is not folded out complete, anti-lowering valve is not working.  
Answer : Tune the anti-lowering valve (the pin needs to be pressed complete)  
Problem : Quick coupling broken  
Answer : Find the broken coupling and replace it.

It is not possible to lift the machine

- Problem : Cutting-rotor is stuck  
Answer : Clean the cutting-rotor (pay attention to your fingers)  
Problem : Failure in the cutting rotor hydraulic motor  
Answer : Contact your supplier or Slootsmid  
Problem : Quick coupling broken  
Answer : Find the broken coupling and replace it.

Machine is lowering during transport

- Problem : Leakage of the anti-lowering valve through dirt  
Answer : Clean the valve, for replacing the valve contact your supplier or Slootsmid  
Problem : Leakage of the cylinders  
Answer : Repair the cylinders

Anti-  
loweringvalve



Machine distributes irregular or not:

- Problem : Rotor is stuck  
Answer : Clean rotor (pay attention to your fingers)  
Problem : The hoses are stuck  
Answer : clean the hoses  
Problem : Rotor is running slow  
Answer : Disassemble the rotor, clean the rotor, rotorhousing and engineshaft.  
Reassemble the rotor.  
Tune the rotor by turning the nut up to maximum increasing the gummiplate 1,5 milimeters.  
Problem : Air valves stuck or clogged  
Answer : Clean the valves



Inside rotordistributor



Rotorsecurity

## Technical data

| Type Eco and Profi         | SB 3.00 | SB 4.50 | SB 5.50 | SB 6.50 |
|----------------------------|---------|---------|---------|---------|
| Amount of tines            | 11      | 17      | 21      | 25      |
| Distance of the tines (cm) | 25      | 25      | 25      | 25      |
| Working width (m)          | 2.75    | 4.25    | 5.25    | 6.25    |
| Transport width (m)        | 2.90    | 2.75    | 2.75    | 2.75    |
| Support wheels             | 2       | 4       | 4       | 4       |
| Hydraulic foldable         | No      | Yes     | Yes     | Yes     |
| Weight approx. (kg)        | 820     | 1125    | 1320    | 1560    |

Working depth : from 0 till 12 centimeters  
 Dosing : from 5 till 60 m3 per Hectare  
 Optional : set of spring tines 30 centimeters in between  
 Free space under frame: SB Eco 53 centimeters and SB Profi 63 centimeters

| Type SBB Profi Max         | SBB 6.00 | SBB 7.20 | SBB 7.80 |
|----------------------------|----------|----------|----------|
| Amount of tines            | 20       | 24       | 26       |
| Distance of the tines (cm) | 30       | 30       | 30       |
| Workingwidth (m)           | 6.00     | 7.20     | 7.80     |
| Transportwidth (m)         | 2.85     | 2.85     | 2.85     |
| Weight approx.(kg)         | 2600     | 2950     | 3350     |

Working depth : from 0 till 12 centimeters  
 Dosing : from 5 till 60 m3 per Hectare  
 Free space under frame: SBB Profi Max 70 centimeters

## Contact

### **Slootsmid Mesttechniek B.V.**

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