PLÆNTY

Fertilizer/Seed Wagon
PLÆNTY 3000

GRANU-Inject

Fertilizer Injection
GRANU-Inject

GRANU-Inject Mini

Fertilizer Injection
GRANU-Inject Mini 600

autoFLOAT ISOBUS

Controller
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DOMAX

Distribution Head
DOMAX

VOLMER® Agritec

Controller

autoFLOAT

ISOBUS

autoFLOAT

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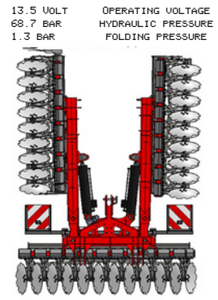
autoFLOAT ISOBUS

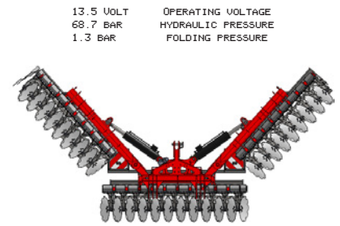
Automatic switching on and off of a floating position for machines or linkages.

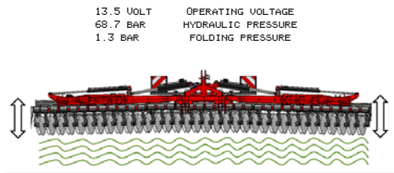
With the floating position function, oil chambers of hydraulic cylinders are electrically connected to the tank line. This allows the cylinders to move freely. In order for the cylinders to be able to do their work again, the electrically operated valves must be closed again. This is exactly the function autoFloat takes over automatically. Sensors register when the floating position should be switched on or off.

12 volt coils are used to switch the hydraulic valves. At 24 volt operating voltage, autoFLOAT regulates this down to 12 volt operating voltage, so the 12 volt coils can continue to be used.

This has the advantage that, for example, when changing the towing vehicle from a self-propelled vehicle with 24 volt operating voltage to a tractor with 12 volt operating voltage, the coils do not have to be replaced. The power supply can be via an ISOBUS plug or a three-pin plug with 12 volts or 24 volts.





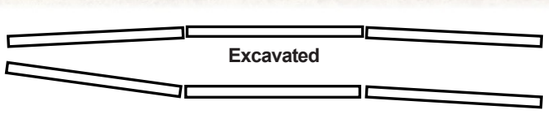


Important information from the compact disc harrow can be displayed in the vehicle cab via ISOBUS. If no ISOBUS connection is available, this information can also be shown via a data cable with a separate display. If none of the options described are available, the system also works completely autonomously.

12 volt coils are installed to switch the hydraulic valves. If 24 volts operating voltage is applied, autoFLOAT reduces this to 12 volts operating voltage. The 12 volt coils can still be used. This has the advantage that no coils need to be replaced when changing the towing vehicle, e.g. from a self-propelled vehicle with 24 volt operating voltage to a tractor with 12 volt operating voltage.

The box also monitors the folding process on models with a telescopic unit.

Application Volmer Engineering T-RUBBER compact disc harrow



The TR disc harrows in the 1000 series have a 3-part design. In the working position, it is advantageous if the disc harrow adapts to the unevenness of the ground.

Our Floating technology offers the following advantages:

- Despite the flat setting, the soil is treated evenly across the entire width of the machine.
- On slopes, the lateral inclination of the towing vehicle is compensated, by sinking into the tires.
- There is significantly less tension in the disc harrow and the tractor unit.
- The machine is easier to pull, which reduces fuel consumption per hectare.

The floating position function electrically switches the oil chambers of the folding cylinders to the tank line. This allows the cylinders to move freely. To fold the machine, the electrically operated valves must be closed again.

Our autoFloat controller automates this function. The system registers that the machine is unfolded and switches the float position on. When the machine is to be folded in, autoFloat registers the hydraulic pressure and automatically switches the float position off.

Many users use the folding function, especially on headlands with wider machines, to increase the distance between the compact disc harrow and the ground.