



## Flexcover Transport Solutions

Vehicle Construction Systems

 **HUESKER**  
Ideen. Ingenieure. Innovationen.



## Additional benefits for tipping trailers

### Conversion to a manure transport vehicle

Liquid manure and fermentation liquids are often transported in tankers to field tanks or spreaders to ensure a fast and efficient spreading chain. These tankers usually only see seasonal use from February to April and apart from the occasional transport of liquid manure to other storage areas remain immobile for the rest of the year. Many tipping trailers in farming are additionally used for the transport of bulk goods. Such operations mainly take place on an annual basis in May, July/August and October.

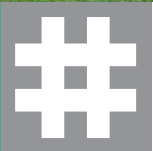
With its innovative Flexcover Combi, HUESKER has developed a transport combination that dispenses with the need to acquire a new, additional vehicle. The modular modification enables multiple use of tipping trailers without having to make any long-term change to the tipper itself. This user-friendly conversion creates an ideal transport vehicle that can be deployed throughout the entire spreading chain and liquid transportation process.



FÖRDERMITGLIED IM  
BUNDESVERBAND  
LOHNUNTERNEHMEN

## BLU supporting member

Since autumn 2016, HUESKER has been a supporting member of the BLU (Federal Association of Contractors) and consequently belongs to a group of almost 300 production, distribution, consulting and other service companies. In cooperation with BLU as the central contact partner for all contractors in Germany, the group represents the interests of the association members and provides functional, technical and economic support.



# Functional upgrade for manure transportation



## Here's how it works:

Using the Flexcover Combi solution, an existing tipping trailer can be converted for use as a manure transport vehicle to move liquid manure/fermentation liquids to fields in the same way as a tanker. This is accomplished by removing the original trailer tailgate and installing the Combi system onto the tailgate fittings. The manure bag is then rolled out within the tipper and secured on the front section to prevent slipping. Any complex installation is avoided as the entire module is supplied fully assembled, including the pump and storage bag. Conversion by two people takes less than an hour. A forklift or crane is employed to lift the steel frame. Hydraulic hoses for the pump and RotaCut need to be installed on just one occasion prior to the initial assembly, with subsequent connection to the tractor/trailer hydraulics or an auxiliary pump.

Flexcover Combi comprises a steel frame that incorporates all the technical components, the manure bag and commensurate inlets. Liquid manure can be pumped in from both sides of the tipping trailer. The oil engine drives a displacement pump and a RotaCut, which uses an integrated cutter to prevent pipe blockages and a stone catcher to filter out foreign bodies, in turn protecting the manure bag against damage. To guarantee a safe filling process the system is equipped with a pressure sensor, high-pressure valve and overflow alarm.

The system also comes with a storage rack to ensure stable and compact storage of the Flexcover Combi.



## System details

### Facts

The average investment sum for a standard liquid manure tanker with a transport volume of 17 m<sup>3</sup> is €65,000 plus running costs such as operating expenses and technical vehicle inspections. This is the major advantage of Flexcover Combi: the system can be deployed without any additional costs and a tipping trailer ultimately forms part of any agricultural contractor's standard equipment. In direct comparison to a tanker, a newly acquired Flexcover Combi will pay for itself in only half the time.

### KEY FIGURES

- Steel frame dimensions (W x H x D) 2,400 x 2,000 x 1,650 mm
- Weight of the entire system approx. 700 kg
- Space required mounted on the trailer 0.5 m of the length
- Space required for storage 6 m<sup>2</sup>

#### Storage tank:

- PVC coated woven with increased UV-resistant finish
- 1.150 g/m<sup>2</sup>
- Resistant to damage by flexing; no cracks after 100.000 flexures
- Temperature stability from – 30° C to + 70° C
- Chemical resistance against liquid manure/acid/ammonium nitrate and others

### Your benefits:

- Economical and user-friendly
- Vehicle load capacity adapted to the maximum trailer load
- Conversion by two people takes less than an hour
- No direct encroachment on the tipper; the tipping function is not affected
- Pressure sensor, high-pressure valve and overflow alarm to guarantee a safe filling process



Pre-assembled module on storage rack



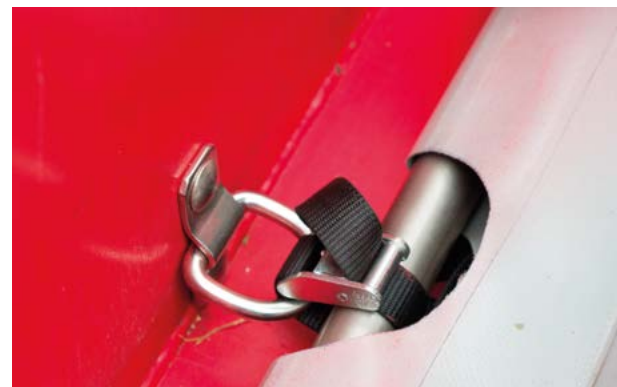
Installation with a front loader



Connection to the trailer hydraulics



Filling process



Fastening of the storage tank

# Flexcover Fix – the flexible cargo securing



The Flexcover cargo securing system keeps your load safely on the trailer where it belongs during transport.

Particularly during the autumn harvest, roads and traffic infrastructures become covered in dirt and debris. Incorrectly secured loads can easily fall or be blown off the trailer. As for the resulting debris, not only do those responsible (service supplier or farmer) have to pay for the cost of cleaning up the area, but it is also hazardous to traffic.

To prevent such situations HUESKER has developed a transport securing system that can be flexibly fitted to almost any trailer. Whether retrofitted or assembled ex-works, the Flexcover cargo securing system can be optimally adjusted to fit any trailer height.

## Your benefits:

- One system for all lengths up to 11 m, trailer widths up to 2,60 m
- Adjustments to suit varying trailer heights easily possible
- Perfect for retrofitting, also suitable for assembly ex works
- The hydraulic drive ensures easy coupling to the tractor unit
- Pressure control valve to prevent damages
- Hydraulic hoses  $\varnothing$  12 mm

Safety element: Pressure control valve



Special profile with tensioning springs inside and conductor





## System details



Flexcover Fix – front winding

### INSTALLATION VARIANT

#### Front winding:

- Clear view, system is in the drivers view
- Underneath the movable front gate
- No hooks required, no uplift from head wind
- Short hydraulic hoses for push-off trailers



Flexcover Fix – winding from the rear of the trailer

### INSTALLATION VARIANT

#### Winding from the rear of the trailer:

- Clear view while filling the trailer
- Easy installation at/on the tailgate
- Short hydraulic hoses for dumpers



Flexcover Vario – guidance above the tailgate

### OPTIONAL

#### Flexcover Vario

The angle of the swivel arms can be centrally adjusted so that they run above the openable tailgate. There are no projecting components after fitting and trailer dimensions are not exceeded or expanded.



HUESKER Synthetic is certified to ISO 9001, ISO 14001 and ISO 50001.

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