

FRONT TANK
GEMINI



Gemini 5 and 7: Front tank for greater reach



The combination of the Sirius mounted field sprayer and the Gemini front tank allows the capacity to be increased by 1,100 litres. This means not only greater acreage performance, but above all improved driver safety, as the front tank ensures balanced tractor loads.

With this precisely matched combination of a front tank and mounted sprayer, tractors become small, agile, self-propelled units with up to 3,000 litres capacity. For optimum interaction between the two devices, the LEMKEN Sirius should be fitted with the optional electric selection valve, which can be comfortably operated from the terminal in the tractor cabin.



Greater reach

Two tanks are available for transporting clear water, liquid fertiliser or spraying liquid.

- The main tank has a capacity of 1,000 litres.
- The clear water tank holds another 100 litres.
- The two tanks can be combined when using pure liquid fertiliser or transporting clear water, increasing the total volume of the Gemini to 1,100 litres.
- The Gemini therefore increases the reach of the Sirius by at least 50% or more per pass, depending on application rates.





Gentle to existing crops

The Gemini front tank also features a well thought-out external design.

- Its substructure is smooth to prevent any plants from getting caught.
- At the same time, a special mounting frame provides large ground clearance for working with tall crops.
- The tank has a flat design to maintain optimum visibility, and the lower link coupling points can be flexibly selected in the direction of travel.



Straightforward coupling

The transport carriage serves as a support for coupling and uncoupling, as a trolley, as substructure and pallet replacement.

- Forklift pockets for easy handling with a pallet fork
- Standardised category II lower link coupling points
- Hydraulic pump drive for easy, straightforward coupling
- Single 2" Kamlock connection for connecting the fluid system with the rear Sirius
As easy as it'll ever get!



Lights and step for increased safety

The optional lighting equipment gives extra safety during road transport.

- Optional step for unimpeded tank inspection
- Optional camera monitoring system to provide clear, reliable visibility at intersections



Gemini 5

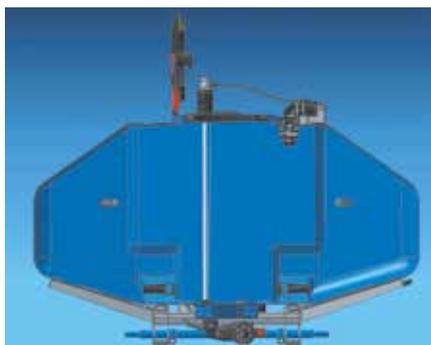


Water tanks

The basic model allows the full volume to be used for fresh water or liquid fertiliser.

- The main tank and clear water tank are interconnected as a single tank unit.

Gemini 7



Agitator

The model for crop protection products comprises a powerful agitator with injector agitator nozzles to ensure that spraying liquids remain homogeneously mixed at all times without forming any deposits.

- Separate suction filter with drain valve
- Two nozzles for residue-free internal cleaning of the front tank



Valves

The Gemini 7 has two agitation and cleaning valves.

- One valve in the selection area for spraying fluid or clear water
- One valve in the distribution area for activating agitation or internal cleaning
- Sufficient power is provided by a hydraulic double-piston diaphragm pump with a capacity of 70 l/min.

Technical data

Description	Tank volume (approx. litres)	Weight (approx. kg)
Gemini 5/1000	1,000	147
Gemini 7/1000	1,000	212
Length from coupling point:	1,195 mm	
Width:	1,840 mm	
Height:	1,340mm	
Pump capacity:	70 l/min at 100 bar	
Required hydraulic power:	15 to 20 l/min	

All specifications, dimensions and weights are subject to continuous technical development and are therefore not binding. The weight specifications always refer to the basic equipment. Subject to change.

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The front tank is particularly advantageous on narrow tracks or in hilly environments, as it makes for a compact system that is much more agile than comparable trailed field sprayers, despite the large tank volume.

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