



TRANSPORT TECHNOLOGY



Tank semi-trailers and tank trailers

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GETTING THINGS MOVING

As a full range provider in the field of professional transport technology, we offer you practical and efficient solutions that meet the high demands of modern agriculture. We are in constant dialogue with our customers and know the requirements that arise from their everyday business. We use this experience to develop economical vehicles: payload-optimised, user-friendly and reliable – with an excellent price-performance ratio.

Our tank semi-trailers are equipped with high-quality pneumatic gate valves as well as a comfortable and safe automatic switch-off (stirring mode and subsequent slide closing). A pneumatic interlinking of the sliders prevents both overpressure in the container and the creation of a vacuum. An overpressure and vacuum valve fitted as standard ensures additional safety.

The docking funnel on the rear wall is positioned so that the spreading vehicle can efficiently overload the slurry. A pump sump ensures complete emptying of the tank.



Tank semi-trailer (TSA) 30.000 E

TANK SEMI-TRAILERS – OUR FAST RUNNERS

With our tank semi-trailers (TSA) you can transport your manure quickly and cost-effectively, especially over longer distances. Thanks to their compact design, they are ideally equipped for road use. The high operational safety and the high-quality, tailor-made equipment of our tank semi-trailers enable you to carry out your work efficiently and economically.

Standard equipment – tank semi-trailers

<i>Container volume (m³)</i>	28 to 30
<i>Container material</i>	Steel (standard interior coating) Stainless steel (optimum corrosion protection)
<i>Paint</i>	Exterior colour on request (RAL colours)
<i>Permissible total weight (t)</i>	36
<i>Running gears</i>	BPW axle units, air-sprung steering and lift axles
<i>Filling technology</i>	Vacuum technology (only for steel containers) Pump technology (Vogelsang rotary lobe pump 4,000 to 6,000 l/min)
<i>Saddle heights (mm)</i>	1,250 / 1,350 / 1,450



TANK TRAILERS – THE PROFESSIONALS IN EVERY TERRAIN

Our tank trailers offer you the optimum technology to transport your manure with the tractor between the farm and the field. The models are particularly suitable for off-road use, so that you can supply the spreading vehicle quickly and reliably even in difficult road conditions. In addition to tank trailers with Dolly system (TAV), we also have a turntable trailer (VTA) in our range.

Over many years we have put our extensive know-how into the development and construction of our tank trailer with Dolly system. You benefit from our many years of experience, because we supply you with an absolutely mature product. The load transfer from the Dolly to the tractor in combination with the air suspension enables a permissible total weight of 33 or 34 tons (depending on the permissible drawbar load). Since the vacuum compressor is mechanically driven with the patented rotary union, the complete hydraulic power of the tractor is available for the filling aid.



Mechanically driven compressor with rotary union



Tank trailer with Dolly system (TAV) 26.000

Standard equipment – Tank trailers

	Tank trailer with Dolly system (TAV)	Tank trailer with turntable (VTA)
<i>Container volume (m)</i>	25.2 to 28	20 to 23
<i>Container material</i>	Steel (galvanized as standard)	Steel (galvanized as standard)
<i>Paint</i>	Exterior colour on request (RAL colours)	Exterior colour on request (RAL colours)
<i>Permissible total weight (t)</i>	33 t / 34	24
<i>Running gears</i>	Original BPW axles with air suspension on front end and trailer, with steering axle	Original BPW axles with parabolic suspension, steering axle optional
<i>Tyres</i>	385/65R22.5 to 600/24R20.5	385/65R22.5 to 600/24R20.5
<i>Filling technology</i>	Vacuum technology, Pump technology (Vogelsang rotary lobe pump 4,000 to 6,000 l/min)	vacuum technology



ACCESSORIES

Speed and efficiency play a decisive role especially in the transport of slurry. No matter which transport technology you use – our accessories enable you to streamline your operations and save valuable time.

Docking funnel

No matter what the situation, we have the right docking funnel for feeder vehicles and field edge containers, and you are guaranteed to find the right solution for your application vehicle and the available overloading options. Depending on requirements, the docking funnels can be positioned at the top and/or bottom of the rear wall of the container. The docking device at the top of the rear wall is equipped as standard with a pump sump so that the tank is always completely emptied.

Suction lines can be ordered in sizes NW 200 and NW 250. You also have a choice of gate valves as we offer them in mechanical, hydraulic and pneumatic versions.



Docking funnel for field edge



Docking funnel at the top of the container rear wall (TSA)



Docking funnel at the top of the container rear wall (TAV)



Docking funnel at the bottom of the container rear wall (TAV)

Overloading pipe

Our overloading pipe empties the container quickly, cleanly and efficiently – regardless of whether the overloading takes place at the edge of the field or whether manure is bypassed on the farm. You can choose between the sizes NW 150 and NW 200. The overloading pipe can be swivelled to the left and right via a swivel joint. When it is not in use, you can place the pipe on the front of the container in a drip tray with drain hose.

As an option, the overloading pipe is also available as a height adjustable model reaching heights of up to six metres.



TAV with overload pipe

Suction arms for TAV

With our garant suction arms solutions you can fill your tank trailer easily, quickly and safely – with no losses whatsoever. You stay clean and work comfortably and efficiently at the same time.

Further information can also be found in the brochure “Additional equipment”.



TAV with proboscis with one swivel joint

Field edge container

Our mobile field edge containers can be used flexibly as intermediate storage in the field or as a buffer in the yard. They are available with a volume of 45, 55 or 65 cubic metres and can be equipped in a variety of ways. Whether suction nozzles with sliders and quick couplers, docking funnels for spreading vehicles or tarpaulins to cover the container – we adapt your field edge container perfectly to the requirements of your business.

You can freely choose the colour of the container from the RAL spectrum. The mobile containers are approved for a speed of 25 or 40 kilometres per hour, depending on the customer's requirements.



Field edge container 65 m³

For healthy growth

This has been our guiding principle in the five decades that we have been developing and producing individual slurry technology for agriculture under the “garant” brand. With a broad product portfolio, our family-run company based in Rieste, Lower Saxony, has become to the German market leader for liquid manure technology. Our slurry tankers stand out for their sophisticated technology that is tailored to your needs.

Sophisticated transport technology

Our well thought-out vehicles and trailers enable you to transport your manure in a cost- and time-efficient way. This brochure provides an overview of our transport technology and extensive accessories.

Our slurry tankers and the options for the basic equipment are presented in the brochure “Slurry tankers“. Information on additional equipment, spreading technology and operator terminals can be found in the brochures of the same name.

