Agri Slurry Tanker

Farmer Specification

These tankers are available in capacities from 1150 to 2000 gallons. There is a detachable parking stand and PTO holder fitted as standard. All MAJOR tankers are constructed from 6mm steel for maximum strength. The axle is a heavy duty agricultural spec axle.

To comply with applicable legislation, the 1150-1700 agri models are fitted with a safety breakaway cable.

The LGP models have hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker.

Rubber buffers are fitted as standard on the drawbar to give a smoother and safer journey. These tankers are galvanised as standard.



Tyre	15x22.5	550/60/22.5	21.3 R24
W (mm)	385	550	540
D (mm)	1080	1170	1400
1150 Agri	•	•	•
1500 Std	n/a	•	•
1700 Std	n/a	•	•

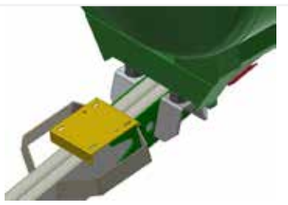


Tyre	23.1 R26	28.1 R26	30.5 R32
W (mm)	590	740	760
D (mm)	1600	1780	1830
1500 LGP	•	•	n/a
1700 LGP	•	•	•
2000 LGP	•	•	•

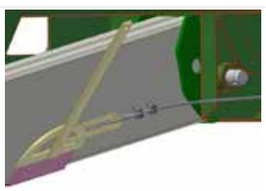
The joints on the tank are welded to ensure a high-quality and visually perfect weld seam.

All Major tankers are galvanized inside and out for durability and long life.

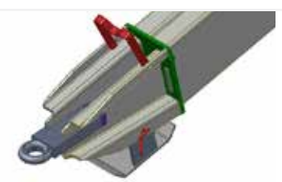
Hydraulic brakes as standard ensuring compliance with the regulations for this model of tanker



Drawbar is fitted with rubber buffers to give a smoother and safer journey



Fitted with safety breakaway cable for safer use on public highways.



Detachable parking stand and PTO holder

Model	Tyre options	Capacity		OA Length	OA Width	OA Height	Wheel Recess	Weight (Kg)	
		Gallon	*Litres*	*(Hitch to coupling ball)*	*(Depends on tyre)*	*Hitch @ 450mm*		Empty	Full
1150 Agri	15 x 22.5	1,150	5,228	5.1m	2.3m	2.8m	No	2,120	7,348
	550/60/22.5	1,150	5,228	5.1m	2.6m	2.8m	No	2,120	7,348
	21.3 R24	1,150	5,228	5.1m	2.6m	2.9m	No	2,120	7,348
1500 Agri	550/60/22.5	1,495	6,796	5.9m	2.5m	2.9m	No	2,400	9,196
	21.3 R24	1,495	6,796	5.9m	2.5m	2.9m	No	2,400	9,196
1700 Agri	550/60/22.5	1,685	7,660	6.4m	2.6m	2.9m	No	2,550	10,210
	21.3 R24	1,685	7,660	6.4m	2.6m	3.0m	No	2,550	10,210
1500 LGP Ag	23.1 R26	1,485	6,750	6.0m	2.6m	3.0m	YES	2,994	9,744
	28.1 R26	1,420	6,455	6.0m	2.6m	3.0m	YES	3,150	9,605
1700 LGP Ag	23.1 R26	1,675	7,614	6.4m	2.6m	3.0m	YES	3,177	9,891
	28.1 R26	1,610	7,319	6.4m	2.6m	3.0m	YES	3,330	10,649
	30.5 R32	1,610	7,319	6.4m	2.6m	3.0m	YES	3,330	10,649
2000 LGP Ag	23.1 R26	1,985	9,591	6.6m	2.5m	3.2m	YES	3,540	13,131
	28.1 R26	1,920	9,271	6.6m	2.6m	3.2m	YES	3,540	12,811
	30.5 R32	1,920	9,271	6.6m	2.6m	3.2m	YES	3,540	12,811

Tanker Options/Accessories

We offer a full custom design and build programme for specialist contractor slurry tankers. Below is a small sample of the optional components that we offer. Please speak to your authorised MAJOR dealer for more specific advice.

Filling

Autofiller: 6" or 8" hydraulic coupler. It is ideal for slurry pits that are difficult to access. It reduces your filling time by half. A galvanised tripod is supplied as standard.

Top Fill: The hydraulically controlled top fill is used to fill the tank from the top. This option allows for high flow rates and fills the tank to its optimal level.

Spreading/Emptying

Raingun: Centre mounted or rear mounted in conjunction with a garda pump fitted with stone trap as standard.

Road Blaster Unit: This unit is fitted beneath the tanker for high-pressure road washing. The angle of the nozzles can be adjusted for tough conditions

Washdown Hose Assembly: Consists of a 2" gate valve and 2" quick hose connector

Water Spinner: This unit is for dust suppression on roads, building sites and waste disposal plants

Additional Equipment

Double LED Lights: Double LED lights and LED side markers can be fitted for increased operator safety

Fully Opening Rear Door: These doors are mounted on hinges. They are locked by six threaded hooks.

Full Length Sight Tubes: To allow the operator to easily identify how much liquid remains in the tank.

Toolboxes: Two sizes available:

1230 (L) x 370 (W) x 370 (D)

760 (L) x320 (W) x 250 (D)

Mud Flaps: 6mm heavy duty rubber mud flaps

Rear Linkages: Linkages can be added to your tanker to allow slurry injector units to be fitted at a later stage.

Pumps

Type	Code	Description	Suitable for
PTO	MEC900MLF MEC110MLF MEC135MLF	Standard PTO driven vacuum pump	Traditional spreading, trailing shoe
GARDA	GARDA9000 GARDA11000 GARDA13500	Combination vacuum pump/ centrifugal pump, with change over	Traditional spreading, rain gun, trailing shoe, umbilical systems, jetting, blaster bar for road cleaning
HYDRAULIC	MEC900HLF-S MEC110HLF-S MEC135HLF-S	Standard hydraulically driven vacuum pump	Traditional spreading, trailing shoe
BAUER	SX1000	Centrifugal Pump	Rain gun, trailing shoe, umbilical systems
ELBA	ELBA 6500TR	Centrifugal Pump	Rain gun, trailing shoe, umbilical systems
DODA	DODA A27CWBG	Centrifugal Pump	Rain gun, trailing shoe, umbilical systems

Principle

The vacuum system creates an atmospheric pressure difference in order to fill or empty the tanker. By creating a vacuum (depression) in the tank, slurry can be sucked. When spreading, the principle is reverse: the tank is pressurized by the pump, which allows it to expel the slurry.

What pump capacity to choose from

An appropriate capacity is used to create the vacuum before starting to fill the tank or to pressurize it during the spreading phase. The pump then "merely" has to keep this vacuum or pressure.

Choosing too large a pump means wasting tractor power, with a risk of unnecessary wear and tear. The effective vacuum rate is always the same, whatever the chosen type of pump may be.

Once the capacity of the pump is selected, it is possible to choose given type of greasing and cooling system.

Cooling

Next to the air flow through the pump, most vacuum pumps are also fitted with vanes acting as a conduction cooling system. However, for a more efficient cooling, it is possible to choose the "Ballast Port" system, which is a low-cost solution. This system is used to cool the pump by injecting fresh air in its housing and to constantly work at 60% vacuum. It is mounted on the PNR 155.

Vanes

Most pump systems supplied on Major tankers have vanes. The air flow is directed by a deflecting valve in order to spread or suck slurry. All normal vacuum pumps create the same "vacuum"; only the air flow capacity of the pump matters. The range of vacuum pumps with vanes supplied by Major are 9000,11000 and 13,500 l/min.

PTO Pump

Garda Pump

Hydraulic Pump

Bauer

Elba Pump

Doda Pump (with arm for umbilical systems)