

# Vacuum Tanker

800 gallons (3630 litres) to 4500 gallons (20450 litres)



Hi-Spec have earned a reputation for building strong and reliable slurry tankers. Thoughtful design, superior build and quality put these machines in a class of their own.

All vacuum tank bodies are manufactured using 6mm high quality steel. Internal implosion rings are fitted to all tanks, which are then mounted on a strong chassis frame for maximum support. To ensure effective corrosion protection two coats of paint are applied to all tankers, an anti-corrosive primer and an enamel finish. Alternatively Vacuum Tankers can be galvanised up to and including 3000 gallons (13640 ltrs) models.

All of our tankers from 800 gallons (3630 ltrs) to 4500 gallons (20450 ltrs) use an unique low profile spreading system, this works by using a specially shaped deflection plate to create a fan of slurry less than a metre above the ground, yet it is capable of achieving a spreading pattern up to 12 metres wide. The downward directed plate not only increases controllability, but also decreases air pollution and unpleasant smells.



## Standard Features

- Quick attach hose fitting
- 6" MZ type gate valve
- Low profile spreading system
- Hinged back door with galvanised finish
- Jurop vacuum pump
- Heavy duty fully welded construction
- Shot blasted to give well bonded long lasting paint finish
- High quality two coat paint finish
- Hydraulic brakes
- 3" sight glass (x2)
- Blanked off side fill (x1)
- Breakaway safety handbrake

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*Built as the name suggests*

# Tyre Options

When buying a Vacuum Tanker one of the most important decisions you will be faced with is the choice of tyre to suit your needs. We here at Hi-Spec will advise you on what choices to make taking into consideration your particular situation.

Alternative tyre options are available upon request, but below are some of our most popular tyre options.



**15x22.5**  
Width – 385 (15")  
Diameter – 1080 (42")



**16.5x22.5**  
Width – 420 (16")  
Diameter – 1100 (44")



**550/60-22.5**  
Width – 550 (21")  
Diameter – 1230 (48.5")



**600/50-22.5**  
Width – 600 (23")  
Diameter – 1170 (46")



**B20**  
Width – 530 (20")  
Diameter – 1280 (51")



**21.3 R24**  
Width – 540 (21")  
Diameter – 1400 (55")



**23.1 R26**  
Width – 590 (23")  
Diameter – 1600 (63")



**28.1 R26**  
Width – 740 (29")  
Diameter – 1780 (70")



**30.5 R32**  
Width – 760 (30")  
Diameter – 1830 (72")



**560/60 R22.5 Roadmax**  
Width – 543 (21")  
Diameter – 1244 (49")



**BKT 750/60-30.5**  
Width – 750 (29.5")  
Diameter – 1650 (65")



**Trelleborg 750/60-30.5**  
Width – 750 (29.5")  
Diameter – 1650 (65")



**560/60 R22.5**  
Width – 560 (22")  
Diameter – 1260 (50")



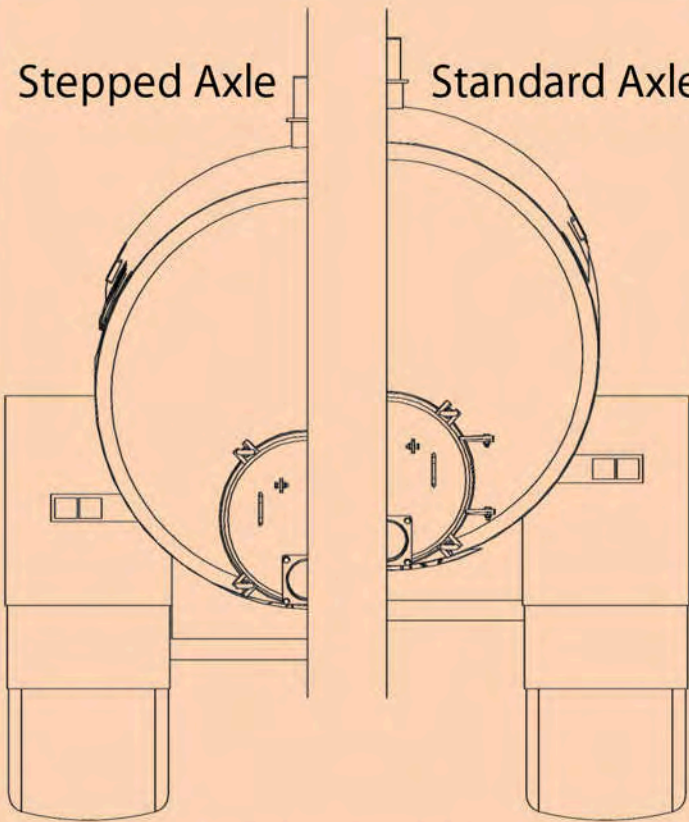
**Alliance 30.5 R32**  
Width – 760 (30")  
Diameter – 1830 (72")

While every attempt will be made to adhere to specific tyre size, due to circumstances beyond our control these may change from time to time

# Standard Features

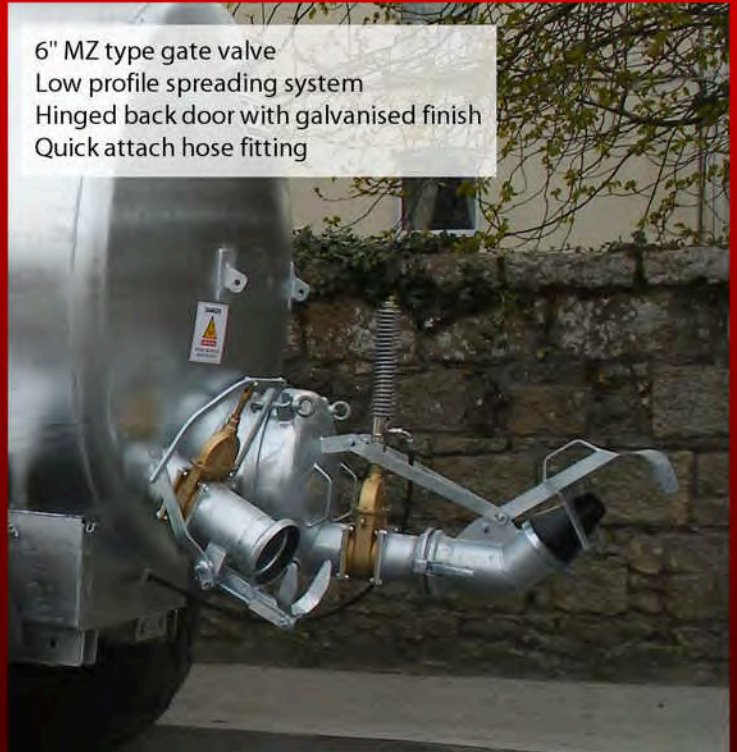
Stepped Axle

Standard Axle

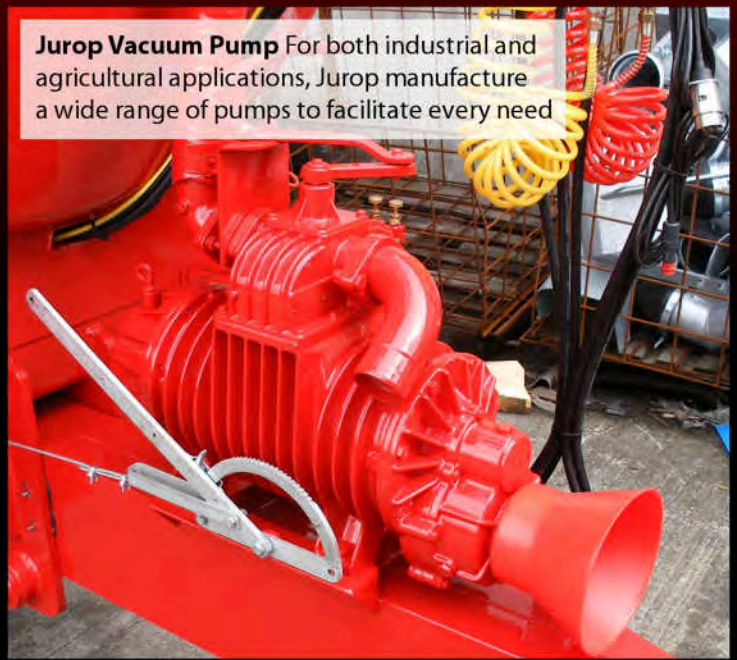


**Stepped Axle** Standard on tankers from 2000 gallon upwards with 23.1 wheels or larger. Improving stability while reducing the overall height.

6" MZ type gate valve  
Low profile spreading system  
Hinged back door with galvanised finish  
Quick attach hose fitting



**Jurop Vacuum Pump** For both industrial and agricultural applications, Jurop manufacture a wide range of pumps to facilitate every need



**Non Return Attachment**

Prevents liquid from entering the hydraulic system due to seal failure in the valve actuator



**Quick Attach Hose Fitting**

Offers cleaner and more efficient coupling to the hose



**Low Profile Spreading** Prevents large loss of nitrogen to the atmosphere. Spreading width from 11m to 15m

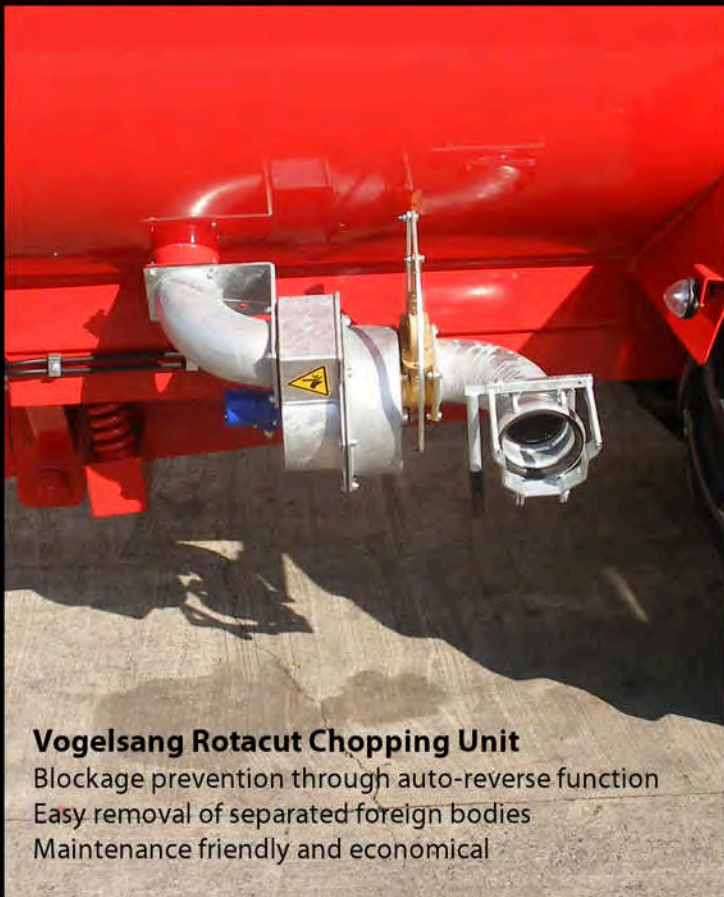


Simple, Reliable, Strong

# Optional Extras

## Autofill

Hydraulically operated with reduced filling time without leaving the comfort of your seat  
*Available in 6" and 8" diameters*



## Vogelsang Rotacut Chopping Unit

Blockage prevention through auto-reverse function  
Easy removal of separated foreign bodies  
Maintenance friendly and economical



## Teejet 500 Slurry Controller

A brand new speed compensated sludge and slurry application control system for slurry spreading and injection applicators

- Non-contact electromagnetic flow meter to help control your liquid manure application
- The user is only required to enter the desired tonne/hectare rate via the computer's keypad
- Gives an even application, tank level has no unfortunate influence on your precision

# Optional Extras



## Unloading Boom

Can be rotated through 270°, making it possible to unload from both sides  
Length of over 4.8m and a hydraulically operated height control system



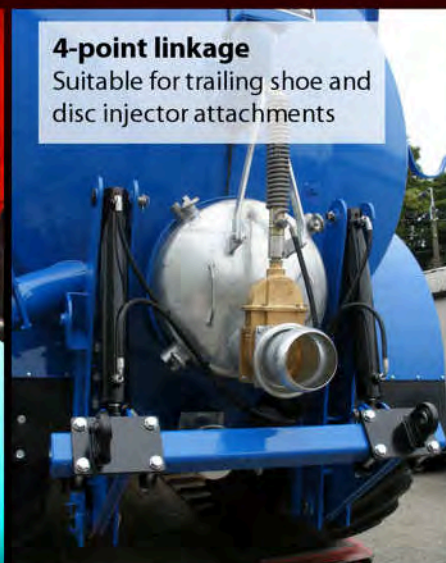
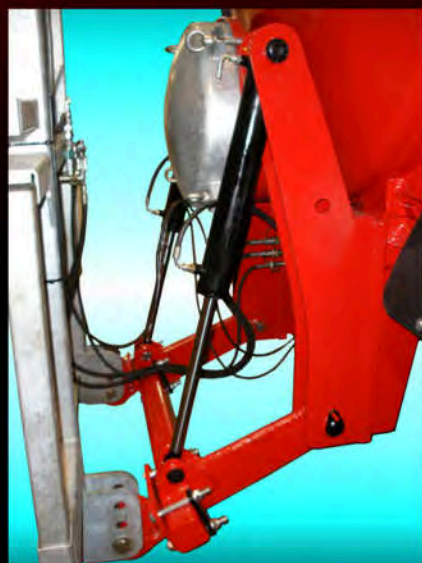
## Top Fill

Hydraulically operated  
Fitted with access ladder to assist in the overhead loading of a tanker



## 4-point linkage

Suitable for trailing shoe and disc injector attachments

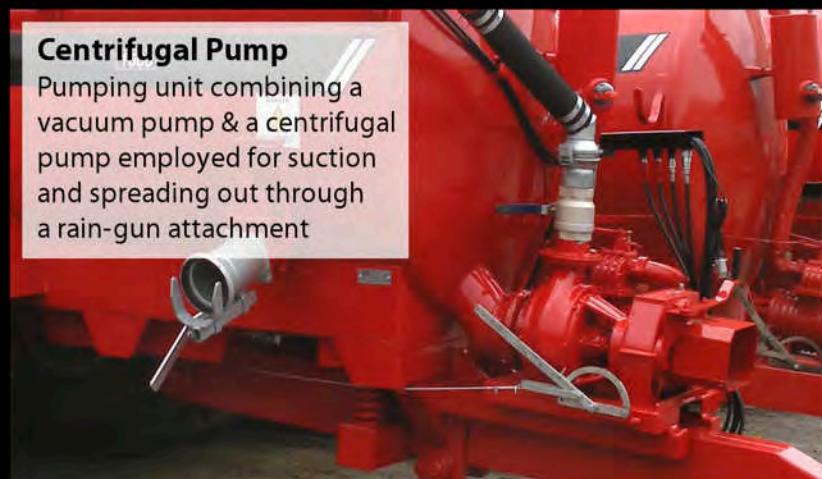


## Stone Trap

Optional extra but fitted as standard with centrifugal pump system



## High Speed Running Gear



## Centrifugal Pump

Pumping unit combining a vacuum pump & a centrifugal pump employed for suction and spreading out through a rain-gun attachment

*Simple, Reliable, Strong*

# Umbilical Pump Systems

## Rain Gun

Hydraulically operated, fitted with centrifugal system for disposal of slurry under wet conditions. The rain gun can spread slurry over a distance of 295ft (90m) and is able to rotate through 360°

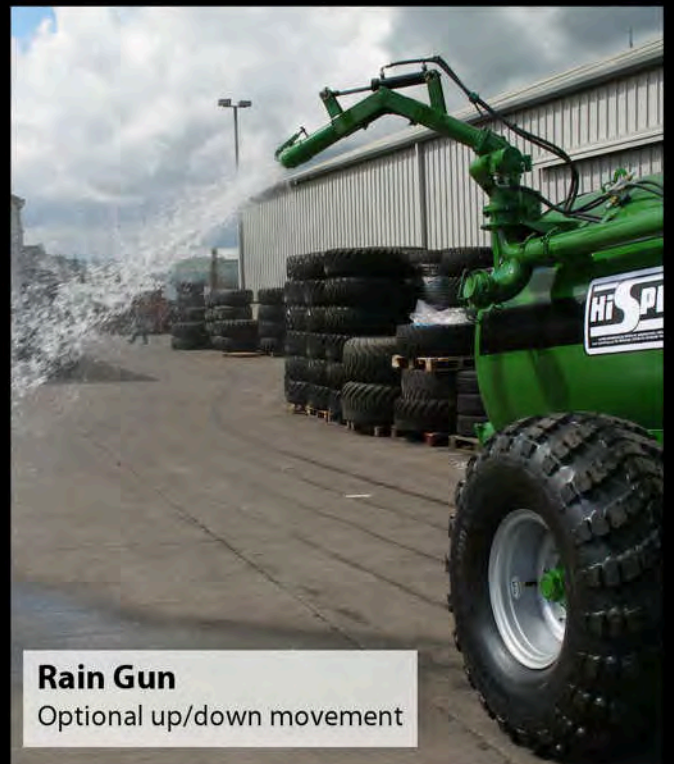


## DCI Umbilical Arm

Suitable for use with umbilical slurry spreading systems

## Hydraulic Vacuum Pump

Available in lieu of a standard pump or in combination with PTO driven centrifugal pump



## Rain Gun

Optional up/down movement

# Spreading Options

## Trailing Shoe

### Features

- Sliding foot distributor with hardened stainless steel trailing shoes and special rubber boots to prevent and minimize blockages
- Folding booms include a protected drop-stop system
- Hoses turn up to 180° to prevent remaining slurry from leaking out during transport
- Self contained lifting system
- Spreading width of 7.5m
- 220mm row distance
- 34 outlets



## Dribble Bar

Available in lengths from 7.5m to 24m



Vogelsang Dribble Bar

## Disc Injector

Available in 4.8m, 6.4m and 7.2m lengths  
Optimum ground adaption by  
individually sprung disc pairs

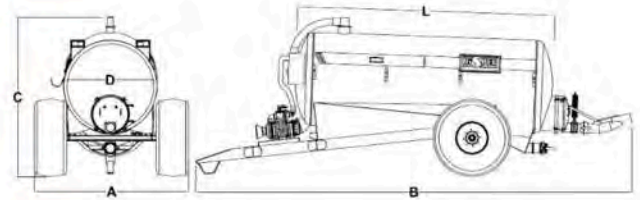


Transspread Dribble Bar

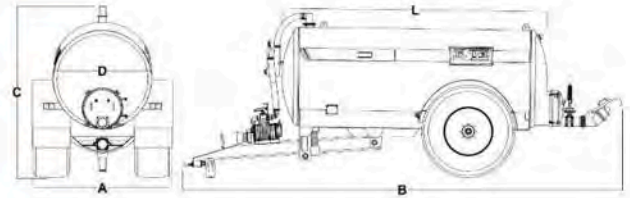
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# Technical Data

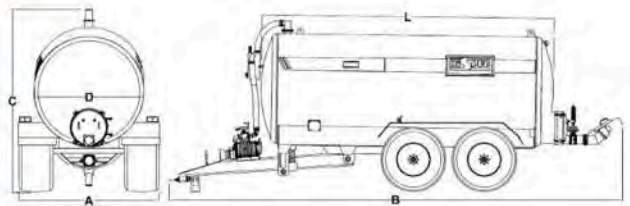
Model	Actual Gallons	Width (A)	Length (B)	Height (C)	Tank Length (L)	Tank Diameter (D)	Unladen Weight	Wheel Size
<i>Single axle</i>		<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>kg</i>	
800	803	2285 (7'5")	5540 (18'3")	2360 (7'9")	3020 (9'11")	1220 (4')	1310	15x22.5
1000	1020	2260 (7'4")	6020 (19'9")	2450 (8')	3295 (10'10")	1372 (4'6")	1575	15x22.5
1150	1150	2260 (7'4")	6295 (20'8")	2450 (8')	3570 (11'9")	1372 (4'6")	1640	15x22.5
1350 (1)	1390	2400 (7'10")	6425 (21'1")	2550 (8'4")	3670 (12')	1524 (5')	1850	15x22.5
1600 (1)	1650	2500 (8'2")	7245 (23'9")	2650 (8'8")	4250 (13'11")	1524 (5')	2125	550/60-22.5
2000 (1)	2100	2600 (8'6")	7305 (24')	3020 (9'11")	4260 (14')	1740 (5'9")	3450	550/60-22.5



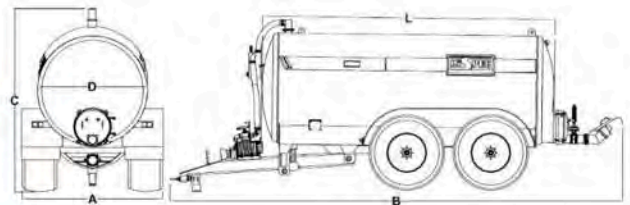
Model	Actual Gallons	Width (A)	Length (B)	Height (C)	Tank Length (L)	Tank Diameter (D)	Unladen Weight	Wheel Size
<i>Single axle</i>		<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>kg</i>	
1350 (2)	1350	2390 (7'9")	6425 (21'1")	2820 (9'3")	3670 (12')	1524 (5')	1780	23.1-26
1600 (2)	1600	2500 (8'2")	7245 (23'9")	2820 (9'3")	4250 (13'11")	1524 (5')	2125	23.1-26
1600 (3)	1600	2500 (8'2")	7245 (23'9")	2820 (9'3")	4250 (13'11")	1524 (5')	2125	28.1-26
2000 (2)	2050	2400 (7'10")	7305 (24')	3020 (9'11")	4260 (14')	1740 (5'9")	3450	23.1-26
2000 (3)	2020	2580 (8'5")	7305 (24')	3020 (9'11")	4260 (14')	1740 (5'9")	3450	28.1-26
2300	2320	2580 (8'5")	7245 (23'9")	3050 (10')	4300 (14'1")	1866 (6'2")	3740	28.1-26
2500	2550	2610 (8'7")	8145 (26'9")	3050 (10')	4910 (16'1")	1866 (6'2")	3990	30.5-32
3000	3055	2610 (8'7")	8775 (28'9")	3200 (10'6")	5540 (18'3")	1866 (6'2")	4200	30.5 R32 Alliance



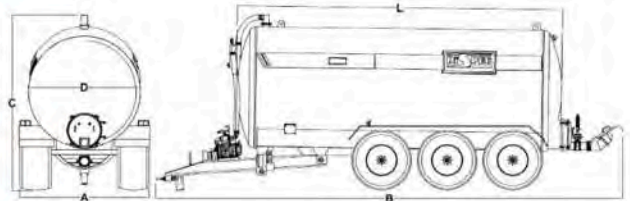
Model	Actual Gallons	Width (A)	Length (B)	Height (C)	Tank Length (L)	Tank Diameter (D)	Unladen Weight	Wheel Size
<i>Tandem axle</i>		<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>kg</i>	
2000	2100	2440 (8')	7305 (24')	2850 (9'4")	4230 (13'10")	1740 (5'9")	4380	560/60-22.5
2500	2600	2710 (8'11")	8145 (26'9")	3200 (10'6")	4910 (16'1")	1866 (6'2")	4500	560/60-22.5
3000 (1)	3185	2710 (8'11")	8775 (28'9")	3200 (10'6")	5540 (18'3")	1866 (6'2")	4670	560/60-22.5
3500 (1)	3500	2710 (8'11")	8915 (29'3")	3200 (10'6")	5670 (18'7")	1866 (6'2")	4900	560/60-22.5
4000 (1)	4150	2710 (8'11")	8500 (27'11")	3350 (11')	5660 (18'7")	1993 (6'6")	5200	560/60-22.5



Model	Actual Gallons	Width (A)	Length (B)	Height (C)	Tank Length (L)	Tank Diameter (D)	Unladen Weight	Wheel Size
<i>Tandem axle</i>		<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>kg</i>	
3000 (2)	3150	2850 (9'4")	8775 (28'9")	3200 (10'6")	5960 (19'7")	1866 (6'2")	5100	750/60-30.5 Trelleborg
3500 (2)	3500	2850 (9'4")	9575 (31'5")	3200 (10'6")	6000 (19'8")	1866 (6'2")	5250	750/60-30.5 Trelleborg
4000 (2)	4100	2850 (9'4")	8500 (27'11")	3350 (11')	5660 (18'7")	1993 (6'6")	5600	750/60-30.5 Trelleborg



Model	Actual Gallons	Width (A)	Length (B)	Height (C)	Tank Length (L)	Tank Diameter (D)	Unladen Weight	Wheel Size
<i>Tridem axle</i>		<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>mm (ft)</i>	<i>kg</i>	
4500	4500	2710 (8'11")	8260 (27')	3400 (11'2")	6160 (20'3")	2133 (7')	6000	600/50-22.5



\*All tankers have a barrel thickness of 6mm

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