



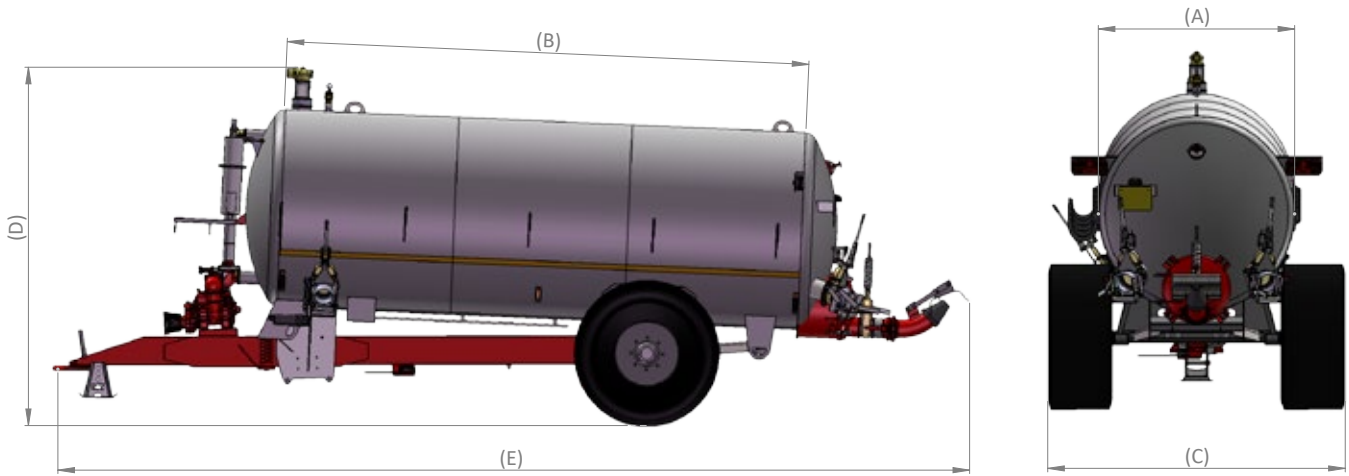
# Slurry Tankers & Applicators



## Standard Specification

- Sprung drawbar c/w heavy duty EN16 towing eye
- 6mm plate barrel
- Tank braced internally (internal baffles to BS EN 707: 2018) – see baffles on features page
- 4 fill points:
  - One fitted with manual valve, over centre handle and quick attach coupling
  - Remaining three fitted with blanking plates
- Hydraulic braking via two cylinders
- Ratchet style handbrake
- Manual change over on vacuum pump (dual sided)
- Full length sight tube on front dome
- Sight glass on rear dome
- Full R.T.A LED lights with progressive indicator
- Reflective tape
- Two pack paint finish
- Galvanised suction hose hangers on nearside (brackets for suction hose hangers on offside)
- Galvanised splash plate
- Galvanised drawbar boot
- Galvanised PTO shaft stand
- Galvanised 24" rear access hatch
- PTO shaft storage on drawbar
- PTO shaft
- 6m suction hose (6" diameter)
- Steel vacuum pump exhaust
- Vacuum pump blow off valve hoses to the ground to keep tank clean





**SINGLE AXLE TANKER C/W NON RECESSED BARREL SPECIFICATION SHEET**

Item	Tanker Size	A Dome Ø (m)	B Barrel Length (m)	C Tanker Width (m)	D Overall Height (m)	E Overall Length inc. splash plate (m)	Sprung Drawbar	Vacuum Pump	Axle	Brakes (Hydraulic)	Tyres
1	1600 Gallon (7260 litre)	1.52 (60")	3.65	2.56	3.0	6.7*	Yes	9000L	90mm 8 Stud	400 x 80	560/60R22.5
2		1.52 (60")	3.65	2.65	3.1	6.7*	Yes	9000L	90mm 8 Stud	400 x 80	600/55R26.5
3		1.52 (60")	3.65	2.7	3.1	6.7*	Yes	9000L	90mm 8 Stud	400 x 80	650/55R26.5
4	1850 Gallon (8400 litre)	1.68 (66")	3.65	2.56	3.2	6.7*	Yes	9000L	90mm 8 Stud	400 x 80	560/60R22.5
5		1.68 (66")	3.65	2.65	3.3	6.7*	Yes	9000L	90mm 8 Stud	400 x 80	600/55R26.5
6		1.68 (66")	3.65	2.7	3.3	6.7*	Yes	9000L	90mm 8 Stud	400 x 80	650/55R26.5
7	2050 Gallon (9300 litre)	1.68 (66")	4	2.56	3.2	7.1*	Yes	11000L	90mm 8 Stud	400 x 80	560/60R22.5
8		1.68 (66")	4	2.65	3.3	7.1*	Yes	11000L	90mm 8 Stud	400 x 80	600/55R26.5
9		1.68 (66")	4	2.7	3.3	7.1*	Yes	11000L	90mm 8 Stud	400 x 80	650/55R26.5
10		1.68 (66")	4	2.81	3.3	7.1*	Yes	11000L	90mm 8 Stud	400 x 80	710/50R26.5

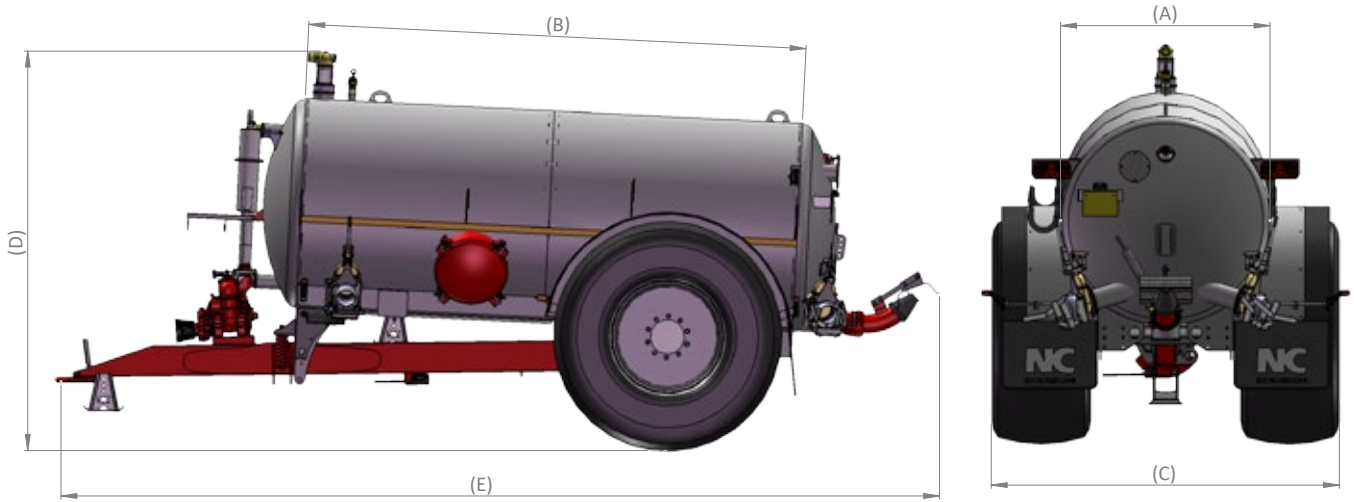
Dimensions are for standard Vacuum Tankers and subject to change depending on options selected. In accordance with our policy of continued development we reserve the right to alter specification, dimensions and/or design without notice.

\*Overall length includes a splash plate & may change if fitting an applicator or any other optional extras.

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- Ratchet style handbrake
- Manual change over on vacuum pump (dual sided)
- Full length sight tube on front dome
- Sight glass on rear dome
- Full R.T.A LED lights with progressive indicator
- Reflective tape
- Two pack paint finish
- Galvanised suction hose hangers on nearside (brackets for suction hose hangers on offside)
- Galvanised splash plate
- Galvanised drawbar boot
- Galvanised PTO shaft stand
- Galvanised 24" side access hatch
- PTO shaft storage on drawbar
- PTO shaft
- 6m suction hose (6" diameter)
- Steel vacuum pump exhaust
- Vacuum pump blow off valve hosed to the ground to keep tank clean
- Full length chassis
- Plastic mudguard extensions
- Rear mudflaps
- Drawbar boot storage
- Mounting plates, sump and outlet for NC applicators (Dribble Bar/Trailing Shoe)





**SINGLE AXLE TANKER C/W RECESSED BARREL SPECIFICATION SHEET**

Item	Tanker Size	A Dome Ø (m)	B Barrel Length (m)	C Tanker Width (m)	D Overall Height (m)	E Overall Length inc. splash plate (m)	Sprung Drawbar	Vacuum Pump	Axle	Brakes (Hydraulic)	Tyres
11	1600 Gallon (7260 litre)	1.52 (60")	3.66	2.75	2.9	6.7*	Yes	9000L	120mm 10 Stud	420 x 180	750/70R26
12		1.52 (60")	3.66	2.8	3.0	6.7*	Yes	9000L	120mm 10 Stud	420 x 180	800/65R32
13	1850 Gallon (8400 litre)	1.68 (66")	3.66	2.75	3.1	6.7*	Yes	9000L	120mm 10 Stud	420 x 180	750/70R26
14		1.68 (66")	3.66	2.8	3.1	6.7*	Yes	9000L	120mm 10 Stud	420 x 180	800/65R32
15	2050 Gallon (9300 litre)	1.68 (66")	4.02	2.8	3.1	7.1*	Yes	11000L	120mm 10 Stud	420 x 180	800/65R32
16		1.68 (66")	4.02	2.9	3.2	7.1*	Yes	11000L	120mm 10 Stud	420 x 180	900/60R32
17	2250 Gallon (10200 litre)	1.83 (72")	3.88	2.8	3.2	6.9*	Yes	11000L	150mm 10 Stud	420 x 220	800/65R32
18		1.83 (72")	3.88	2.9	3.3	6.9*	Yes	11000L	150mm 10 Stud	420 x 220	900/60R32
19	2500 Gallon (11350 litre)	1.83 (72")	4.28	2.8	3.3	7.4*	Yes	11000L	150mm 10 Stud	420 x 220	800/65R32
20		1.83 (72")	4.28	2.9	3.4	7.4*	Yes	11000L	150mm 10 Stud	420 x 220	900/60R32
21	2750 Gallon (12485 litre)	1.83 (72")	4.65	2.8	3.3	7.7*	Yes	11000L	150mm 10 Stud	420 x 220	800/65R32
22		1.83 (72")	4.65	2.9	3.4	7.7*	Yes	11000L	150mm 10 Stud	420 x 220	900/60R32
23	3000 Gallon (13600 litre)	1.83 (72")	5	2.8	3.4	8.1*	Yes	13500L**	150mm 10 Stud	420 x 220	800/65R32
24		1.83 (72")	5	2.9	3.5	8.1*	Yes	13500L**	150mm 10 Stud	420 x 220	900/60R32

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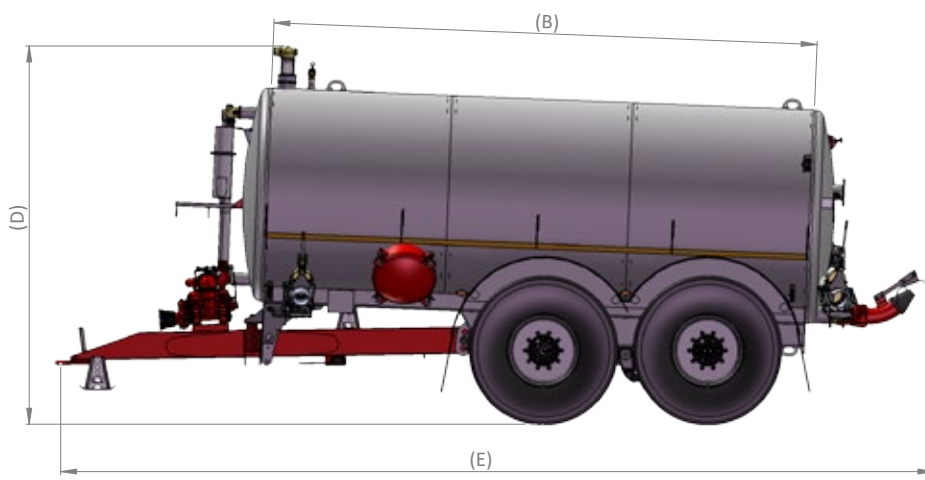
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\*\*c/w air ballast for cooler operation

## Standard Specification

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- Hydraulic braking via two cylinders per axle
- Ratchet style handbrake
- Manual change over on vacuum pump (dual sided)
- Full length sight tube on front dome
- Sight glass on rear dome
- Full R.T.A LED lights with progressive indicator
- Reflective tape
- Two pack paint finish
- Galvanised suction hose hangers on nearside (brackets for suction hose hangers on offside)
- Galvanised splash plate
- Galvanised drawbar boot
- Galvanised PTO shaft stand
- Galvanised 24" side access hatch
- PTO shaft storage on drawbar
- PTO shaft
- 6m suction hose (6" diameter)
- Steel vacuum pump exhaust
- Vacuum pump blow off valve hosed to the ground to keep tank clean
- Full length chassis
- Plastic mudguard extensions
- Front & rear mudflaps
- Drawbar boot storage
- Mounting plates, sump and outlet for NC applicators (Dribble Bar/Trailing Shoe)
- Parabolic suspension at wide centres for maximum stability
- Rear steering axle





TANDEM AXLE TANKER SPECIFICATION SHEET

Item	Tandem Axle Tanker Size	A Dome Ø (m)	B Barrel Length (m)	C Tanker Width (m)	D Overall Height (m)	E Overall Length inc. splash plate (m)	Sprung Drawbar	Vacuum Pump	Axle	Brakes (Hydraulic)	Tyres
25	2500 Gallon (11350 litre)	1.68 (66")	5	2.385	3.1	8.1*	Yes	11000L	127mm 10 Stud	420 x 180	385/65R22.5
26		1.68 (66")	5	2.445	3.1	8.1*	Yes	11000L	127mm 10 Stud	420 x 180	445/65R22.5
27		1.68 (66")	5	2.61	3.2	8.1*	Yes	11000L	127mm 10 Stud	420 x 180	560/60R22.5
28		1.68 (66")	5	2.65	3.3	8.1*	Yes	11000L	127mm 10 Stud	420 x 180	600/55R26.5
29		1.68 (66")	5	2.75	3.4	8.1*	Yes	11000L	127mm 10 Stud	420 x 180	650/55R26.5
30		1.68 (66")	5	2.81	3.4	8.1*	Yes	11000L	127mm 10 Stud	420 x 180	710/50R26.5
31	2750 Gallon (12485 litre)	1.83 (72")	4.65	2.385	3.1	7.7*	Yes	11000L	127mm 10 Stud	420 x 180	385/65R22.5
32		1.83 (72")	4.65	2.445	3.1	7.7*	Yes	11000L	127mm 10 Stud	420 x 180	445/65R22.5
33		1.83 (72")	4.65	2.61	3.2	7.7*	Yes	11000L	127mm 10 Stud	420 x 180	560/60R22.5
34		1.83 (72")	4.65	2.65	3.3	7.7*	Yes	11000L	127mm 10 Stud	420 x 180	600/55R26.5
35		1.83 (72")	4.65	2.75	3.3	7.7*	Yes	11000L	127mm 10 Stud	420 x 180	650/55R26.5
36		1.83 (72")	4.65	2.81	3.3	7.7*	Yes	11000L	127mm 10 Stud	420 x 180	710/50R26.5
37	3000 Gallon (13600 litre)	1.83 (72")	5	2.385	3.2	8.1*	Yes	13500L**	127mm 10 Stud	420 x 180	385/65R22.5
38		1.83 (72")	5	2.445	3.2	8.1*	Yes	13500L**	127mm 10 Stud	420 x 180	445/65R22.5
39		1.83 (72")	5	2.61	3.3	8.1*	Yes	13500L**	127mm 10 Stud	420 x 180	560/60R22.5
40		1.83 (72")	5	2.65	3.4	8.1*	Yes	13500L**	127mm 10 Stud	420 x 180	600/55R26.5
41		1.83 (72")	5	2.75	3.4	8.1*	Yes	13500L**	127mm 10 Stud	420 x 180	650/55R26.5
42		1.83 (72")	5	2.81	3.4	8.1*	Yes	13500L**	127mm 10 Stud	420 x 180	710/50R26.5
43	3500 Gallon (15900 litre)	1.98 (78")	5.04	2.545	3.4	8.1*	Yes	13500L**	150mm 10 Stud	420 x 180	445/65R22.5
44		1.98 (78")	5.04	2.66	3.4	8.1*	Yes	13500L**	150mm 10 Stud	420 x 180	560/60R22.5
45		1.98 (78")	5.04	2.7	3.4	8.1*	Yes	13500L**	150mm 10 Stud	420 x 180	600/55R26.5
46		1.98 (78")	5.04	2.75	3.4	8.1*	Yes	13500L**	150mm 10 Stud	420 x 180	650/55R26.5
47		1.98 (78")	5.04	2.81	3.4	8.1*	Yes	13500L**	150mm 10 Stud	420 x 180	710/50R26.5
48		1.83 (72")	5.9	2.85	3.4	9*	Yes	13500L**	150mm 10 Stud	420 x 180	750/60R30.5
49		1.83 (72")	5.9	2.95	3.4	9*	Yes	13500L**	150mm 10 Stud	420 x 180	850/50R30.5
50	4000 Gallon (18150 litre)	1.98 (78")	5.8	2.545	3.3	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	445/65R22.5
51		1.98 (78")	5.8	2.66	3.4	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	560/60R22.5
52		1.98 (78")	5.8	2.7	3.5	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	600/55R26.5
53		1.98 (78")	5.8	2.75	3.5	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	650/55R26.5
54		1.98 (78")	5.8	2.81	3.5	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	710/50R26.5
55		1.98 (78")	5.8	2.85	3.6	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	750/60R30.5
56		1.98 (78")	5.8	2.95	3.6	8.8*	Yes	13500L**	150mm 10 Stud	420 x 180	850/50R30.5
57	4500 Gallon (20430 litre)	1.98 (78")	6.5	2.545	3.3	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	445/65R22.5
58		1.98 (78")	6.5	2.66	3.4	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	560/60R22.5
59		1.98 (78")	6.5	2.7	3.5	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	600/55R26.5
60		1.98 (78")	6.5	2.75	3.5	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	650/55R26.5
61		1.98 (78")	6.5	2.81	3.5	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	710/50R26.5
62		1.98 (78")	6.5	2.85	3.6	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	750/60R30.5
63		1.98 (78")	6.5	2.95	3.6	9.5*	Yes	13500L**	150mm 10 Stud	420 x 180	850/50R30.5

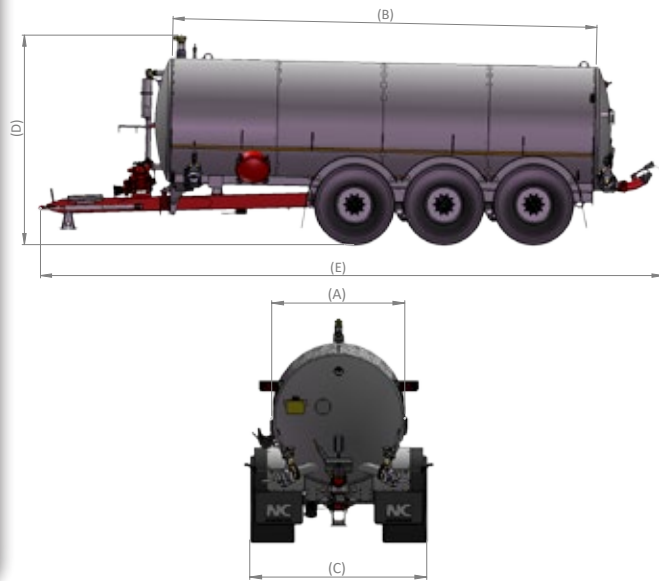
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- Full length chassis
- Plastic mudguard extensions
- Front & rear mudflaps
- Drawbar boot storage
- Mounting plates, sump and outlet for NC applicators (Dribble Bar/Trailing Shoe)
- Parabolic suspension at wide centres for maximum stability
- Rear steering axle



TRIDEM AXLE TANKER SPECIFICATION SHEET

Item	Tridem Axle Tanker Size	Dome Ø (m)	Barrel Length (m)	Tanker Width (m)	Overall Height (m)	Overall Length inc. splash plate (m)	Sprung Drawbar	Vacuum Pump	Axle	Brakes (Hydraulic)	Tyres
64	5000 Gallon (22700 litre)	1.98 (78")	7.3	2.545	3.5	10.3*	Yes	13500L**	150mm 10 Stud	420 x 180	445/65R22.5
65		1.98 (78")	7.3	2.66	3.5	10.3*	Yes	13500L**	150mm 10 Stud	420 x 180	560/60R22.5
66		1.98 (78")	7.3	2.7	3.6	10.3*	Yes	13500L**	150mm 10 Stud	420 x 180	600/55R26.5
67		1.98 (78")	7.3	2.75	3.6	10.3*	Yes	13500L**	150mm 10 Stud	420 x 180	650/55R26.5
68		1.98 (78")	7.3	2.81	3.6	10.3*	Yes	13500L**	150mm 10 Stud	420 x 180	710/50R26.5
69	5500 Gallon (24900 litre)	2.1 (83")	7.2	2.545	3.5	10.2*	Yes	13500L**	150mm 10 Stud	420 x 180	445/65R22.5
70		2.1 (83")	7.2	2.66	3.5	10.2*	Yes	13500L**	150mm 10 Stud	420 x 180	560/60R22.5
71		2.1 (83")	7.2	2.7	3.6	10.2*	Yes	13500L**	150mm 10 Stud	420 x 180	600/55R26.5
72		2.1 (83")	7.2	2.75	3.6	10.2*	Yes	13500L**	150mm 10 Stud	420 x 180	650/55R26.5
73		2.1 (83")	7.2	2.81	3.6	10.2*	Yes	13500L**	150mm 10 Stud	420 x 180	710/50R26.5

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\*\*c/w air ballast for cooler operation

The range of NC Dribble Bars can be used in conjunction with a slurry tanker or attached to a tractor via a heavy-duty umbilical sub frame. NC Dribble Bars are available in 3 working widths:

	7.6m	9m	12m
Outer breakback	Spring with manual reset	Hydraulic with auto reset	Hydraulic with auto reset
Transport width	2520mm	2520mm	2520mm
Number of outlets	30	36	48
Hose centres	250mm	250mm	250mm
Weight	490kg	650kg	750kg

### Features of the NC Dribble bar: -

- Arms are sloped slightly upwards in working position to ensure optimal performance on slopes
- The outer arm on the 7.6m Dribble Bar is fitted with a spring break back which prevents damage to the machine if it hits a fence post or tree etc
- The outer arm on the 9m & 12m Dribble Bar has a unique hydraulic break back which automatically resets if it hits an object
- Hydraulic cylinders for folding are fitted with over centre valves for smooth and safe operation
- Arms fold past vertical to minimise damage from trees during transport
- Compact transport width
- LED stop/tail/indicators
- Large diameter pivot pins to minimise wear
- High tensile steel used to ensure a lightweight design which minimises ground compaction
- Stone/debris trap below macerator
- Parking stands to ensure machine is stable and safe when not in use



All NC Slurry Applicators are fitted with an Alrena precision macerator as standard which features a newly developed cutting system with rotating round knives. The pivot point of the rotating cutting discs is off-centre relative to the holes of the perforated plate.

Due to the different pivot points and the resistance of the solids to be cut in the slurry, the knives rotate constantly. Thanks to this forced rotation, each cut is carried out with a new piece of knife. The rotation also provides the advantage that the knives self-sharpen and no wear grooves are generated. Spiral springs between left and right knives, tension both knives equally.

### Features of the Alrena precision macerator:

- Precise distribution
- 40% higher air passage than traditional macerators due to hollow shaft
- Dry running will not lead to excessive wear as the temperature of the precision macerator will remain low
- Reduced wear due to newly developed cutting system with rotating knives
- Self-sharpening knives
- More cutting movements per revolution of the rotor
- Slurry inlet with no taper to restrict flow
- Perfectly balanced rotor due to the use of several spiral springs
- Springs tension automatically
- Reduced maintenance compared to traditional macerators
- Significantly less power consumption

### Common Features of the NC Trailing Shoe:

- Hydraulic cylinders for folding are fitted with over centre valves for smooth and safe operation
- Arms fold past vertical to minimise damage from trees during transport
- Compact transport width
- LED stop/tail/indicators
- Large diameter pivot pins to minimise wear
- High tensile steel used to ensure a lightweight design which minimises ground compaction
- Stone/debris trap below macerator
- Parking stands to ensure machine is stable and safe when not in use
- Arena precision macerator

### Features of the 7.5m NC Trailing Shoe:

- 7.5m working width
- 30 outlets individually spring mounted
- 800mm long shoe spring
- Weight - 670kg
- 2822mm transport width
- 259mm hose centres
- Machine mounted on a forklift style mast for close mounting to tank thus keeping weight transfer & tail swing to a minimum
- Mast floats when lowered to enhance movement over varying terrain



### Features of the 10.5m & 12m NC Trailing Shoe:

- 10.5m & 12m working width
- No. of outlets:
  - 10.5m = 42 outlets
  - 12m = 48 outlets
- 900mm long shoe spring
- Weight:
  - 10.5m = 940kg
  - 12m = 1060kg
- 2520mm transport width
- 255mm hose centres
- Outer arms fold via a conrod linkage system
- 4 function valve bank with electric control box (fold, macerator, tilt, float)
- Shoes can float to follow the terrain or can be forced into the ground via tilt switch
- Arms slide in slots on the main frame to follow contour of varying terrain
- Outer arms held in transport position by automatic locking system
- Safety button valves incorporated into hydraulic system to protect trailing shoe from being operated incorrectly





Document Holder



Jacking Point



LED Lights c/w Progressive Indicator



Plastic Outer Mudguards



Galvanised Outer Mudguards



Full Length Sight Tube c/w Vacuum Pump Manual Change Over



Full Length Chassis



Suction Hose



Height Adjustable Drawbar (Tandem Axle Tanker)



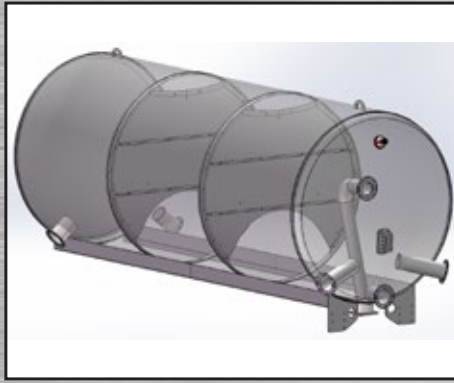
Top & Main Syphon



Fill Point c/w Quick Attach



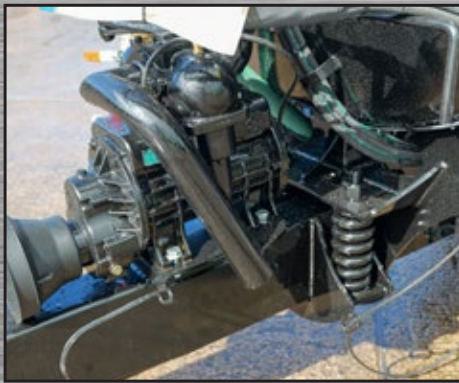
Hose & Cable Storage



Applicator Mounting Brackets & Internal Baffles



Sprung Drawbar



Vacuum Pump Exhaust



Suction Hose Hangers & Reflective Tape



NC Mudflaps



Side Access Hatch



Vacuum Pump c/w Air Ballast



Drawbar Boot & PTO Shaft Stand



PTO Shaft & Drawbar Boot Storage



Ratchet Style Handbrake



Steering Axle  
(Tandem Axle Tanker)



Autofill Arm



Top Fill Hatch c/w Remote Greasing



Remote Greasing



Additional Fill Point c/w Quick Attach



Hydraulic Change Over



Hydraulic Drive Vacuum Pump



Sludgigator Pump c/w Dual 4" Valves for Umbilical System



Dual Lights - High Level & Mudguard Mounted



Powerbrake - Handbrake & Break Away System



360 Degree Rain Gun



SAFALLA Arm



Over Hedge Boom



Handwash Tank c/w Soap Dispenser



Swivel Hitch



Float Type Level Indicator c/w Load Sensing for Brakes



Sliding Top Fill Hatch



Doda L35 & 13500L Vacuum Pump



Turbo Filler on Autofill Arm



360 Degree Rain Gun c/w Vertical Control



Internal Agitator



8" Terra Cone



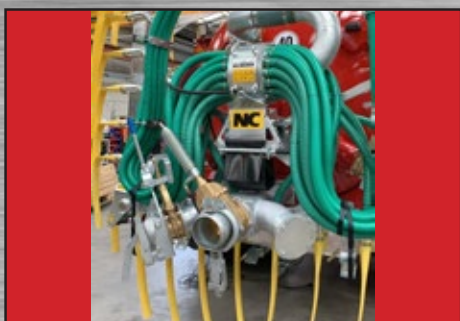
Bolt On 50mm Agri Towing Eye



8" Autofill Pod



Splash Plate Attachment for Dribble Bar



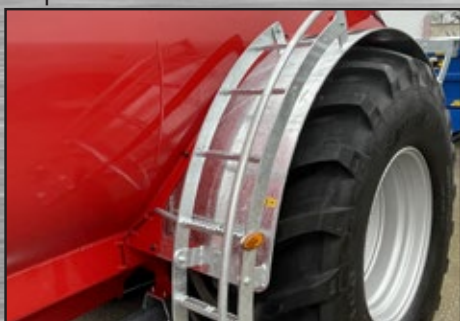
Y Attachment for Dribble Bar – 2 Fill Points & Splash Plate at Rear of Dribble Bar



Vacuum Pump Oil Drum & Carrier



Rear Reflective Tape, LED Flashers, Work Lights



Access Ladder – Single Axle Tanker



LCD Controller for Electro - Hydraulic Control



Short Style Over Hedge Boom – For Use with Applicator

## Standard Specification

- Sprung drawbar c/w heavy duty EN16 towing eye
- 6mm plate barrel
- Tank braced internally (internal baffles to BS EN 707: 2018) – see baffles on features page
- Hydraulic braking via two cylinders
- Ratchet style handbrake
- Full length sight tube on front dome
- Sight glass on rear dome
- Full R.T.A LED lights with progressive indicator
- Reflective tape
- Two pack paint finish
- Galvanised suction hose hangers on nearside (brackets for suction hose hangers on offside)
- Galvanised splash plate
- Galvanised drawbar boot
- Galvanised PTO shaft stand
- PTO shaft storage on drawbar
- PTO shaft
- Full length chassis
- Plastic mudguard extensions
- Rear mudflaps
- Drawbar boot storage
- Mounting plates and outlet for NC applicators (Dribble Bar/Trailing Shoe)



Please refer to Vacuum Tanker Specification tables on previous pages. However, a top fill tanker is 330mm (13") shorter and is up to 100mm lower than a Vacuum tanker.

# Optional Extras

## BRAKES

1. Dual air hydraulic single axle
2. Dual air hydraulic tandem axle
3. Dual air hydraulic tridem
4. Air only brakes
5. Hydraulic load sensing (suspension only)
6. Air load sensing (suspension only)
7. 12-volt ABS c/w Susie (only available on high-speed axles)
8. Automatic slack adjusters (only available on high-speed axles)
9. ABS ready kit (only available for highspeed axles)
10. NC cable breakaway
11. NC electric breakaway
12. Euro safe breakaway
13. Power brake in lieu of standard handbrake
14. Premium red and yellow sussie c/w handle grips (Dual or air brakes only)

## ELECTRICS

15. Reversing camera
16. 2 x rear LED work lights
17. Dual taillights (Two rear positioned side-by-side. On tankers 1 cluster can be positioned on the Rear of the mudguards and the other at full height – please specify)
18. LED flasher (2 loose wires for customer to connect to tractor)
19. LED flasher c/w on/off switch and wired into side lights
20. LED control kit
21. Side marker lights flashing as indicators

## WARNING LIGHTS

22. EU slowing vehicle warning triangle
23. Side and rear reflective tape

## TOWING EYE

24. Swivel hitch
25. Adjustable hitch (not available with swivel)
26. K80 weld-on spoon
27. K80 bolt-on spoon
28. Bolt-on 50mm agri towing eye

29. Towing eye locking system

## PARKING STAND

30. Screw jack (commercial type)
31. Hydraulic jack

## PUMPING OPTIONS

32. 11000L vacuum pump in-lieu of 9000L pump
33. 13500L vacuum pump c/w air ballast in-lieu of 11000L pump
34. Hydraulic change over on vacuum pump
35. Vacuum pump silencer
36. Oil reservoir on vacuum pump
37. Hydraulic drive for 11000L vacuum pump (requires 80 litres per minute oil flow)
38. Hydraulic drive for 13500L vacuum pump (requires 100 litres per minute oil flow) Points 6 & 7 are drawbar mounted
39. Side mounting of hydraulic drive vacuum pump
40. Water cooled 14100L KTS 840 (MFR-C) vacuum pump c/w 540 rpm PTO drive in-lieu of 13500L pump
41. Water cooled 14100L KTS 840 (DFR-C) vacuum pump c/w 1000 rpm PTO drive in-lieu of 13500L pump
42. Water cooled 14100L KTS 840 (HFR-C) vacuum pump c/w hydraulic drive in-lieu of 13500L pump
43. 9000L Vacuum pump combined with Centrifugal pump c/w 4" valve for umbilical system
44. 11000L Vacuum pump combined with Centrifugal pump c/w 4" valve for umbilical system
45. 13500L Vacuum pump combined with Centrifugal pump c/w 4" valve for umbilical system

46. 11000L Vacuum pump combined with High pressure L27 pump c/w 4" valve for umbilical system
47. 11000L Vacuum pump combined with High pressure L35 pump c/w 4" valve for umbilical system
48. 13500L Vacuum pump combined with High pressure L27 pump c/w 4" valve for umbilical system
49. 13500L Vacuum pump combined with High pressure L35 pump c/w 4" valve for umbilical system
50. Hydraulic drive 11000L vacuum pump and PTO driven high pressure L27 pump c/w 4" valve for umbilical system
51. Hydraulic drive 13500L vacuum pump and PTO driven high pressure L27 pump c/w 4" valve for umbilical system
52. Hydraulic drive 13500L vacuum pump and PTO driven high pressure L35 pump c/w 4" valve for umbilical system

## CENTRIFUGAL/HIGH PRESSURE PUMP OPTIONS

53. Hydraulic change over between vacuum pump and Centrifugal/High pressure pump
54. 360° rain gun in-lieu of 4" valve
55. Vertical control for rain gun - requires option 23
56. 4" Tee c/w ¼ turn valves for umbilical system providing 4" outlets to both sides
57. Brackets only for umbilical offload arm
58. Auto connecting umbilical offload arm (pod not included) in-lieu of 4" valve
59. 4" Pod for umbilical offload arm
60. 4" Manual valve for umbilical system (requires options 23 or 27)

## FILL OPTIONS

61. 6" hydraulic valve
62. Additional 8" hydraulic valve
63. 6" Extra Fill Valve c/w quick attach
64. 8" terra cone
65. For top till tankers only, 4" valve in pipework leading to spreading plate
66. NC Hydraulic Self locking top fill hatch c/w remote greasing
67. Sliding Top fill hatch
68. Extra 6" - 20' (6m) suction hose complete with fitting
69. Male end to connect to suction hose
70. Extra set of hose carriers (6" or 8")
71. 8" Suction hose (6m) c/w 8" fill points and 1x8" quick attach in lieu of 6"
72. Extra 8" - 20' (6m) suction hose c/w fitting
73. 6" Extra Fill Point Blanked
74. 8" Extra Fill Point Blanked
75. 8" Extra Fill Valve c/w quick attach
76. Auto fill brackets, for retro-fit – specify 6" or 8", also location
77. 6" Auto Fill single direction c/w pot
78. 8" Auto Fill single direction c/w pot and 8" hose
79. 6" Auto Fill Dual Direction c/w pot
80. 8" Auto Fill Dual Direction c/w pot and 8" hose
81. Extra 6" Auto Fill Pot
82. Extra 8" Auto Fill Pot
83. 6" Turbo Filler (available on single sided auto-fill arm or front fill point)
- 53.8" Turbo Filler (available on single sided auto-fill arm or front fill point)

## SPREAD OPTIONS

84. 10m wash-down hose c/w 6" coupling
85. Front and rear empty system

86. Traditional Over-the-hedge boom with swivel behind tracks
87. Short version Over-Hedge Boom with Revoblock Swivel
88. Brackets only to suit over the hedge boom

## AXLES

89. 150 stepped axle c/w 420 x 180 brake in-lieu of 120mm axle (1600-2050 recessed only). Lowers tanker by 85mm
90. 150 stepped axle c/w 420 x 180 brake in-lieu of 150mm axle (20250 only). Lowers tanker by 100mm
91. 150 beam axle c/w 520 x 180 brakes in-lieu of 150mm 30% extra braking capacity over 420 x 180 brakes) *It is recommended to fit this option to 3000 gallon tankers*
92. Command steering c/w weld-on K80 spoon in lieu of self steering (Tandem only)
93. 150mm beam axle c/w 420 x 180 brake in-lieu of 120mm beam (1600 - 2250 recessed only) options 59 & 60 not available in Top Fill Tankers

## OTHER

94. Various Cab Control Options
95. 12 volt 6 port diverter to combine two hydraulic functions in one. In cab control box c/w toggle switch and suction mount
96. Full length pipe trays on twin axles tankers (200mm high)
97. 6" - 4" reducer (Bauer)
98. 6" Bauer blanking cap
99. Additional sight glass
100. Float type level indicator (can be used either as a level indicator or a load sensing for the brakes)
101. Vertical hydraulically driven internal agitator

102. Wide angle PTO in lieu of standard PTO
103. Single Axle mud guards (non recessed only)
104. 24" galvanised access hatch mounted to rear
105. Weight transfer (dual compartment)
106. 12" front access cleaning point
107. Spray Suppression in-lieu of standard mudflaps
108. Side Impact Protection
109. Rear underrun (only required if being registered as a trailer)
110. Plastic handwash tank; (50L) c/w soap dispenser
111. 6" riv blade valve (watertight) in lieu of standard 6" valve
112. 8" riv blade valve (watertight) in lieu of standard 6" valve
113. 4" riv blade valve (watertight) in lieu of standard 6" valve
114. Mud Flaps for single axle tanker
115. Central greasing points for suspension and axles tandem
116. Central greasing points for suspension and axles tridem

## STANDARD COLOURS NC RED (RAL 3001), GREEN (RAL 6001), BLUE (RAL 5005)

All other colours (Minimum 3 week lead time on paint and a RAL colour must be specified) Please contact your local dealer or sales representative for braking and lighting options.

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In accordance with our policy of continued development we reserve the right to alter specification and design without notice.

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