

VACUUM TANKER

BROCHURE



Contents

MODELS

4	SA-S
8	SA-R
14	TD-S
20	TD-R
30	TRI-S
36	JUROP
38	SPREAD ANYWHERE, ANYTIME
40	UMBILICAL SPREADING
42	UMBILICAL CONNECTIONS
43	LEVEL INDICATORS, FILLING UP
44	STORAGE AND CONVENIENCE
46	BE SAFE, BE SEEN
47	AUTO-FILL AND TURBO-FILL
48	LOADING AND UNLOADING
50	GALVANISE
52	SAFETY, COMFORT AND CONTROL

TYRES

54	SA-S
55	SA-R
56	TD-S
57	TD-R
58	TRI-S

APPLICATORS

60	AGQUIP
62	HISPEC TRAILING SHOE
66	BOMECH
68	VOGELSANG
72	TECHNICAL
74	SALES AND SERVICE
75	GET IN TOUCH



Page 4

SA-S Single Axle - Standard



Page 8

SA-R Single Axle - Recessed



Page 14

TD-S Tandem Axle - Standard



Page 20

TD-R Tandem Axle - Recessed



Page 30

TRI-S Triple Axle - Standard



Page 62

TRAIL-S Trailing Shoe





Our Story

Established in 1988, HiSpec Engineering Ltd is a family-owned and run company based in Carlow, Ireland. Since the company's inception, we have grown progressively as a manufacturer and supplier of top quality machinery.

Our core activity is centred on the design and manufacturing of innovative and reliable machinery for use throughout the agricultural sector. We are a company that is proud of the dependable and honest reputation we have built. We aim to continue a sustainable business that will benefit national and international communities.

HiSpec Engineering has invested heavily in our production facilities in order to provide our customers with the highest quality products. We have established a strong core dealer network throughout Ireland and the UK. We also manufacture and distribute agricultural machines to various countries around the world.

We are focused on improving ourselves and our products and we are always looking to establish greater efficiencies to ensure that HiSpec maintains its reputation as a market leader in manufacturing high quality products.

Yours Sincerely,

The Nolan Family

SA-S



SA-S Single Axle - Standard

SA-S offers a basic specification to meet the needs of small farms. Capacity ranges from 800 to 2000 gallons. SA-S feature non-recessed wheels with an agricultural axle making it ideally paired with lower HP tractors. The barrel is manufactured in 6mm British steel and is fully supported to the chassis below. The chassis is complete with an A-frame drawbar for tight turning.

A powerful 9000 litre Jurop pump is fitted for prompt filling. The pump is also protected with a secondary syphon fitted as standard. The tyres of choice are 550/60 - 22.5 due to their excellent flotation. Alternatively, 21.3 x 24 are available with a tractor grip to provide improved stability on sloped ground.









SA-S models are fitted on an eight stud agricultural axle with hydraulic brakes. LED road-lights and mudguards* ensure that you are ready for the road. SA-S are ideally suited to tractor speeds under 30km/h. The smaller capacities and flotation wheels allow SA-S to float easily over land.

All SA-S are finished with a premium paint job. The tanker is shot-blasted to provide perfect preparation for our durable red paint finish. The 600mm rear manhole is galvanised and suitable for mounting of a dribble bar if required.

** mudguards standard from 1350 SA-S upwards*

SA-R





Large capacity and an easy pull

SA-R Single Axle - Recessed

SA-R are premium, single axle, recessed tankers for farmers and contractors. Capacities range from 1350 to 3000 gallons. Manufactured in 6mm British steel, SA-R tankers have collared dished ends and internal ribs for a strong build.

Our full length folded chassis is unique to HiSpec and supports the barrel along its entire length; reducing stress and distributing weight evenly. SA-R tankers are also fitted with internal baffles to prevent slurry surge. A sprung drawbar and swivel hitch ensure smooth and comfortable operation.

SA-R feature large, recessed Alliance tyres to cover a wide footprint. Alliance tyres allow for an easy pull of large capacities. SA-R up to 2300 SA-R are fitted on 750/70 R26 Alliance. The larger 2600 SA-R is fitted with a heavy-duty 800/65 R32 Alliance, while the 3000 SA-R is complete with a superior strength 750/60 R30.5 Alliance.

Also unique to HiSpec is our stepped axle, which is standard from 1350 to 2300 SA-R and lowers the overall height of the tanker. This stepped axle also aids stability and comfort. The 2600 and 3000 SA-R are fitted on a straight commercial axle for larger carrying capacity.





Stepped Axle up to 2300 SA-R

Stepped Axle

Lowered centre of gravity and improved handling. SA-R tankers up to 2300 gallons are fitted on a stepped commercial axle to increase stability. The stepped axle lowers the rear of the tanker approximately 125mm. 420x180 commercial brakes offer high braking efficiency suitable for high speed and many load applications.

The 2600 and 3000 SA-R are fitted on a straight axle with large commercial hydraulic brakes for additional stopping power. Air brakes are optional to either axle.



750/70 R26 Alliance

up to 2300 SA-R
158 A8



800/65 R32 Alliance

2600 SA-R
181 A8



750/60 R30.5 Alliance

3000 SA-R
181 D

Alliance Tyres



High performing Alliance tyres are fitted on all SA-R. Alliance Tyre Group (ATG) is a subsidiary of Yokohama Group. ATG has a presence in over 120 countries across six continents.

750/70 R26 Alliance

Load Index 158 A8

The 750/70 R26 Alliance is the ideal tyre for small recessed tankers where a farmer is looking for a wide footprint and a low rolling resistance. Standard up to 2300 SA-R.

800/65 R32 Alliance

Load Index 181 A8

800/65 R32 Alliance possesses a wider footprint and increased strength to reduce ground pressure and increase carrying capacity. Suited for tractors over 40km/h. Fitted on the 2600 SA-R and optional for other models.

750/60 R30.5 Alliance

Load Index 181 D

High performance 750/60 R30.5 Alliance tyres are fitted to the 3000 SA-R to cater for increased weight and speed demands. A load index of 181 D ensures top performance up to 65km/h.





Jurop Pumps

Since 1976, Jurop pumps are manufactured in a state-of-the-art factory in Italy. For 45 years Jurop have been recognised as the fastest and most powerful vacuum pump available.

PTO driven as standard, the PN Series is the fastest method to fill or empty your tanker. The PN Series use sliding vanes to create vacuum or pressure inside the tank. A manual pump changeover is fitted as standard between pressure and vacuum. The PN Series are air cooled and use forced lubrication for minimal maintenance.

Jurop PN 84	9000 litre	up to 2000 gallons
Jurop PN 106	11000 litre	2300 gallons upwards
Jurop PN 140	14000 litre	optional

Options include:

- Exhaust*
- Wide angle PTO*
- Hydraulic changeover*
- Hydraulic driven pump*



TD-S



Unrivalled Comfort

TD-S Tankers

TD-S are non-recessed tandem axle tankers fitted on 22.5 or 26.5 tyres. TD-S offers greater carrying capacities than single axle tankers. With a greater demand for improved efficiency, contractors are turning towards TD-S models. TD-S capacity range from 2000 to 4000 gallons.

TD-S are packed with features including a sprung drawbar, 50mm swivel ring hitch and a high-speed parabolic axle for operator comfort. Rear steering is fitted from 2600 gallons upwards. TD-S are a key choice where a lot of road-work is involved. Reinforced internal baffles and a fully supported barrel ensure a smooth ride.



Parabolic under-slung tandem axle

TD-S are fitted on a parabolic commercial high-speed tandem axle. The parabolic axle is welded along the entire underside of the chassis for maximum support. The parabolic axle setup is particularly suited to intensive road use as stresses and strains are transmitted through a greater distance than a conventional 'bogie' pivot. The suspension is under-slung to reduce the centre of gravity and increase stability as you travel from one job to the next.



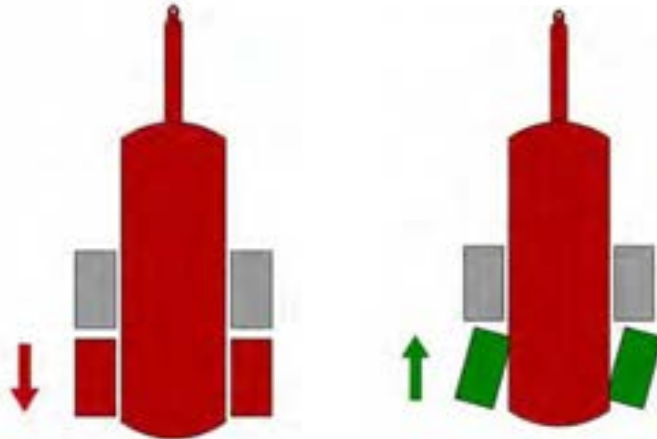


Rear steering for manoeuvrability

TD-S with a capacity of 2600 gallons upwards are supplied with rear steering for easy turning. The steering can be released in forward direction to allow the tanker to follow the tractor easily and reduce damage on headlands.

To reverse, the rear wheels are hydraulically 'locked'. This straightens the wheels and allows the operator to reverse with ease. The steering should always be 'locked' for all road transport or speeds above 15km/h.

For safety, all TD-S are fitted with 420x180 hydraulic brakes. Air brakes can be added for increased stopping power. An axle central greasing bank can also be fitted to reduce time consuming maintenance tasks.



Reverse - locked

Forward - free

Forced Steering

It is also possible to fit 'forced' steering as an option. Forced steering is teamed up with a spoon hitch to provide the safest and most comfortable tractor and tanker setup. Forced steering uses a ram on the drawbar to force the tanker rear axle to turn with the tractor. This setup also has the added benefit of being able to reverse easier around corners and tight farmyards.







TD-S Tyre Choice



Alliance

Tyre choice has become one of the most important factors when considering your tandem tank. TD-S are fitted as standard on 560/60 R22.5. However, HiSpec can offer multiple options in either 22.5 or 26.5. The larger 710/50 R26.5 tyres are becoming increasingly specified as they offer lower rolling resistance, reduced wear and improved control.

Alliance offer two patterns (885 and 882) that suit TD-S needs. Alliance 885 is suited to mixed road and field applications. The Alliance 882 pattern is suited to road applications.



ALLIANCE 885

Road 50% Field 50%



ALLIANCE 882

Road 75% Field 25%

Sizes Available	Load Index
22.5	
560/60 R22.5 Alliance 885	164 D
26.5	
650/55 R26.5 Alliance 885	170 D
710/50 R26.5 Alliance 885	170 D

Sizes Available	Load Index
22.5	
560/60 R22.5 Alliance 882	165 D
26.5	
650/55 R26.5 Alliance 882	170 D
710/50 R26.5 Alliance 882	172 D

TD-R



Premium Performance

TD-R Tandem Axle - Recessed

TD-R tankers are recessed tandem tankers designed for high-end users. Features include a sprung drawbar, 11000 litre Jurop pump and recessed 750/60 R30.5 Alliance tyres. A high-speed axle complete with rear steering ensures that TD-R can travel anywhere; and get there fast. Capacities range from 3000 to 4000 gallons and this ensures TD-R tankers float across fields and from one job to the next.

A TD-R is particularly suited to contractors who want to overcome all obstacles. TD-R have wheels recessed into the tanker to keep the width of the tanker as narrow as possible; whilst also providing maximum ground coverage. The tyres feature a high-load index meaning they carry greater weight at faster speed and travel easily over land.









Chassis

TD-R tankers are fully supported by a unique folded chassis. The chassis is folded twice to support the barrel along four key-lines for its entire length. This ensures that the weight of the tanker is distributed evenly to the axle. The chassis is also fitted with internal reinforcement to cope with any additional stresses placed upon these high performance tankers. For improved comfort, reinforced baffles are fitted internally at staggered heights to prevent surging.



Parabolic Sprung Axle

TD-R are fitted on a parabolic high-speed tandem axle complete with rear steering. The parabolic axle is welded along the entire underside of the chassis for maximum strength. The axle is particularly suited to intensive road use as stresses and strains are transmitted along a greater distance than a conventional 'bogie' pivot. The suspension is under-slung to reduce the centre of gravity and increase stability. Axle spacings are positioned at 1,820mm to accommodate the large 30.5 wheels. 420x180 hydraulic brakes are provided with air over hydraulic an optional extra to further improve braking efficiency.





Built for Performance

TD-R are designed to work and built for performance. TD-R provides exceptional control on roads and in fields. TD-R are fitted on Alliance 750/60 R30.5 for unrivalled premium performance. High-speed load indexes and excellent flotation properties cater for the demands on these tyres.

These large 30.5 tyres improve comfort and travel, have a lower rolling resistance, and ensure that your TD-R floats behind your tractor.



ALLIANCE 885

Road 50% Field 50%

Sizes Available

30.5

750/60 R30.5 Alliance 885

Load Index

181 D



ALLIANCE 882

Road 75% Field 25%

Sizes Available

30.5

750/60 R30.5 Alliance 882

Load Index

181 D









Self-steer Axle

TD-R is fitted with self-steering for excellent manoeuvrability. The steering is set to 'free' and 'locked' via hydraulic spool. Self-steering allows for the rear axle to steer independently of the front, allowing the rear axle to follow the direction of the tractor.

The steering allows for 12 degrees of oscillation in both directions to ensure that TD-R follow effortlessly. The steering should be set to 'locked' for reversing and for all public transport.

TD-R axles are also fitted with dampeners on the rear axle to reduce strain. This allows the axle to withstand additional forces that are exerted back through the tyres on abrupt turns.



TRI-S



Three times the load

TRI-S means huge capacity spread over three axles. HiSpec offer TRI-S ranging from 4000 to 5000 gallons. Sitting on 600/50 R22.5, TRI-S distributes weight evenly over a large surface area. TRI-S use three high-speed commercial axles and, to aid manoeuvrability, the rear axle is fitted with free steering. TRI-S are ideal for use as ferry tankers, or when fitted on 26.5 will allow a more mixed application. TRI-S move larger volumes of slurry than previously imagined and allow the operator to seriously increase output.









Travel lightly, keep a large footprint

TRI-S is fitted on 600/50 R22.5 Alliance, and these allow for considerable carrying capacities on the road. These tyres have excellent self-cleaning properties and maintain a large footprint on the road for maximum control. Larger 26.5 tyres can be fitted to suit a more varied use.

Thread patterns available include Alliance 885 and 882. Alliance 885 combines the best properties of flotation and road ability to perform well on roads and fields. Alliance 882 possess a denser pattern which allows this tyre to maintain optimum grip on the road, but slightly less traction in the field.



ALLIANCE 885

Road 50% Field 50%

Sizes Available

22.5
600/50 R22.5 Alliance 885

Load Index

159 D

26.5
650/55 R26.5 Alliance 885
710/50 R26.5 Alliance 885

170 D
170 D



ALLIANCE 882

Road 75% Field 25%

Sizes Available

26.5
650/55 R26.5 Alliance 882
710/50 R26.5 Alliance 882

Load Index

170 D
172 D

Size matters, go bigger

TRI-S Tridem Axle - **S**tandard

TRI-S are particularly suited to the transportation and spreading of larger volumes of slurry. They are also widely used as ferry tankers or supplying self-propelled spreaders.

TRI-S have been designed with a large diameter barrel in order to keep the overall length of the tanker as short as possible. The tridem parabolic axle fitted with 420x180 hydraulic brakes allows for maximum comfort on roads or fields. A full-length chassis allows the laden weight of the tanker to be distributed evenly over the running gear.

TRI-S tankers incorporate a durable painted finish and can be packed full of features as needed. Where tractor power is available, then TRI-S can make a positive solution to spreading of larger volumes over a shorter period of time.





5000 TRI-3



9000 litre Jurop PN84
11000 litre Jurop PN106
14000 litre Jurop PN140

up to 2000 gallons
2300 gallons upwards
optional

Pumping Power

HiSpec use top quality Jurop pumps across our range of vacuum tanks. Designed and manufactured in a state-of-the-art factory in Italy, Jurop pumps are the fastest and most powerful available today. Each pump is assembled according to Jurop's methodical standards and is carefully tested and checked prior to despatch.

PTO driven as standard, the PN Series provide the most efficient method of filling or emptying your tank. Jurop pumps have a worldwide reputation for quality and minimal maintenance. Parts and service are available locally, and the premium build of Jurop ensures an extremely long life.

Upgrade your Jurop for maximum performance



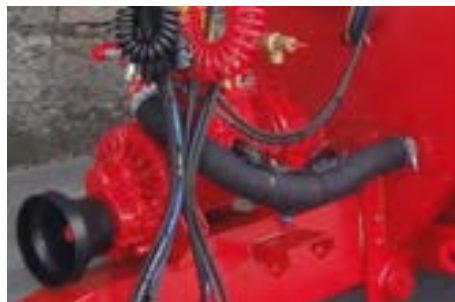
Go safer

Hydraulically-driven pumps offer greater safety to the operator by eliminating the PTO. Increase efficiency with constant spreading through corners and filling through any angle without any damage to the pump.



Go faster

Switch between vacuum and spreading at convenience and speed. Have your tank primed for refilling before you even reach the pit with a hydraulic changeover added to your pump. The changeover also keeps the operator safely away from the PTO to avoid unnecessary risks.



Go quieter

Reduce noise levels during pump operation and provide a cleaner environment around your tank. Exhaust air is directed through a purpose built silencer to dampen sound. Excess oil is also collected within the silencer to keep your pump and yard clean.

SPREAD ANYWHERE, ANYTIME

It's raining down

HiSpec use Jurop Julia centrifugal pumps for rain-gun spreading. Centrifugal systems are ideal for spreading in wet weather or over unfavourable ground. Centrifugal pumps are gravity-fed from the tanker and rely on the rotational energy from a propellor to expel the liquid under greater pressure and speed. A hydraulically operated rain-gun can jet liquid through 360 degrees up to 50 metres. A stonetrap and wide angle PTO are provided as standard for additional pump protection.

As an optional extra, the rain-gun can pivot up and down for hard to reach places.



Jurop Julia 84
Jurop Julia 106
Jurop Julia 140

up to 2000 gallons
2300 gallons upwards
optional



Optional up / down rain-gun





UMBILICAL SPREADING



Umbilical Pump Options

HiSpec tankers can be used in conjunction with umbilical cords to accelerate spreading. Depending on the pumping distance required, we can offer a range of centrifugal pumps to suit your umbilical setup. See page 42 for umbilical connection options.

- | | | | |
|----|--|------------------------------------|---------------------|
| 1. | Battioni GARDA | pto centrifugal / pto vacuum | 700 metres |
| | A proven pump for splashplate spreading and umbilical work up to 700 metres. PTO driven as standard, you can choose between the Battioni vacuum for filling and splashplating and the GARDA centrifugal for umbilical or rain-gun spreading. | | |
| 2. | Battioni EVO c/w DODA L35 | pto centrifugal / pto vacuum | 1,500 metres |
| | Comprises an 11,000 litre Battioni vacuum for filling and splashplate spreading, and a DODA L35 centrifugal for heavy umbilical work. Both pumps are PTO driven. Doda L35 is capable of umbilical pumping up to 1,500 metres. | | |
| 3. | Jurop Hydraulic c/w DODA L35 | pto centrifugal / hydraulic vacuum | 1,500 metres |
| | High-powered pto driven DODA L35 on the drawbar for umbilical work. Side-mounted Jurop 11,000 litre hydraulic pump for filling and splashplate spreading. Removes the need for pto for vacuuming. DODA L35 is capable of umbilical pumping up to 1,500 metres. | | |





UMBILICAL CONNECTIONS



SAFALLA

We recommend a SAFALLA for the most secure connection to your umbilical piping. SAFALLA (*Self Aligning Fully Automatic Latching & Locking Arm*) comprises of an automatic connection between your tanker and umbilical system. The SAFALLA is hydraulically lowered to a supplied non-return pod and eliminates the need to be getting in and out of the tractor, handling dirty pipes and adjusting hand-operated valves.

The SAFALLA is aligned up to the pod each time and the arm is hydraulically lowered to connect. The 4" hydraulic gate valve is then opened in sequence and pumping can commence. All of this is completed quickly and efficiently from the comfort of the cab.

4" BALL VALVE

4" ball valves can be fitted above the centrifugal pump to supply either direction. It is necessary to manually clamp your umbilical pipe to the ball valve each time unless the centrifugal pump is being used as a nursery tanker.

The 4" ball valve offers a more economical option over the SAFALLA.



LEVEL INDICATORS



3" Bubbles

100mm Sight Tube

Portholes (x3)

Know when you're full

3" sight bubbles are fitted as standard to inspect liquid level. Additional bubbles can be fitted to any position on the front or rear dish to monitor slurry levels.

A 100mm diameter full-length sight tube can be fitted to give a more accurate indicator of slurry level. The sight tube is manufactured from industrial grade perspex and fitted with a drain plug for cleaning. It is an excellent indicator of slurry level for both filling and emptying.

A set of portholes can be fitted to either the front or rear dished ends. These allow a window into the barrel at the top, middle and bottom of the dished end.

FILLING UP



Hoses and fill points

All tankers come standard with:

6" galvanised quick attach	x 1
6" blank fill point	x 3
6" x 15' reinforced suction hose	x 1
6" hose carriers	x 1

Additional quick attaches and hoses may be added as optional extras.

HiSpec uses perrot couplings and a sliding quick attach to clamp the suction hose to the tanker. The perrot fitting and sliding clamp is seen as the strongest connection available, however the suction hose needs to be aligned straighter to secure.

A 6" x 15' reinforced suction hose is supplied as standard. Hoses can also be supplied in 20' length and with the addition of double-end fittings for longer lengths. The 6" pipework is the most common size due to its ease of use and relative low weight.

Pipework is also available in 8" diameter to increase flow rate and provide improved suction with thicker slurry. The 8" will fill the tanker faster than the 6", however, the additional weight and handling of the 8" will need to be considered.

STORAGE AND CONVENIENCE



5 litre oil holder

Water and soap dispenser

Soap and Water

Keep clean as you go



A 20 litre water tank with soap dispenser allows you to keep your hands clean before getting back into the cab. Top up with fresh water as required.

A 5 litre oil drum holder can also be fitted for maintaining pump levels.

Tool Box

Keep your tools with you

Carry the tools you need to suit individual jobs. Toolbox is galvanised and lockable.



Stonetrap

Keep stones collected

A stonetrap is used for the collection of stones. Stones must pass over the trap where they are collected. The trap can be opened manually to release any build-up.



Internal Agitator

Keep it from settling

A hydraulically operated internal agitator prevents build-up of sand or sediment on the floor of the tanker. The agitator keeps the fluid in motion and runs for the entire length of the barrel.



Easy Access for Cleaning

Keep it clean

A 600mm side access manhole can be fitted to allow for easy cleaning; particularly when a low emission spreader is fitted.

Alternatively, the size of the rear manhole can be increased from 600mm to 900mm for easier access for cleaning.



4 Point Linkage

Carry any implement

Fitting a 4 point linkage to your tanker allows you to carry large applicators. The linkage is hydraulically raised or lower as needed.

The 4 point linkage is mounted on the rear with additional bracing and reinforcement placed along the chassis to counteract the added stresses from any applicator.

The 4 point linkage is extremely versatile and can carry any applicator as needed. It is also easy to remove the applicator and revert to a conventional splashplate.

Linkage brackets can be factory fitted at manufacturing stage which provides the option of simply bolting on the linkage at a later date.





BE SAFE, BE SEEN

Lighting

Be safe, be seen, light up

HiSpec tankers are fitted with one set of LED road-lights. Additional road-lights and beacons can be added to increase visibility and provide warning to other road users.

LED Road-lights

Add a second set of road-lights up high to increase visibility to other road users.



LED Flashing Beacon

A flashing amber LED beacon alerts approaching traffic.



LED Strobes

Amber pulsing strobes give advanced warning to traffic approaching from the rear.



LED Worklight

Add one or multiple LED worklights to keep the work going late into the evening or night.



Reversing Camera

Reversing or discharge cameras can be fitted for manoeuvring into difficult places and to monitor spreading.



AUTO-FILL AND TURBO-FILL

Auto-Fill

No waiting around

Our Auto-fill maximises productivity and comfort while simultaneously reducing work load. The Auto-fill requires only a single double acting valve for use. Firstly, the pump is hydraulically set to fill and this also pinches an air line at the same time. In sequence, the arm descends into the galvanised tripod to form an air-tight seal. The hydraulic gate valve is then opened and filling can commence.

The Auto-fill is available as side or centre mounted in either 6 or 8”.

Turbo-fill

Put your pump into turbo

Experience the ultimate in filling speed with an 8” Turbo-fill. The Turbo-fill is supplied in addition to the 8” Auto-fill. A hydraulically driven Turbo-fill enables higher capacities without overloading the pump. Filling time is reduced as the slurry is forced into the tank. It also helps to reduce froth levels which can occur with thick slurry.

The Turbo-fill is particularly suited to large capacity tankers where the full benefit of filling will be seen in shorter times. It can also help where the level of slurry has dropped in the pit and the pump is struggling to pull slurry up from greater depths.



LOADING AND UNLOADING

Top Filling

Sliding Top-fill

The sliding top-fill hatch opens horizontally along the top of the tanker to reduce the risk of contact with any filling implement. A hydraulic ram slides the hatch shut against steel rollers and a rubber seal to close. Galvanised finish now provided as standard.



Unloading Boom

The unloading boom is designed to feed an additional working tanker or nursery in the field. The boom is ideal where travel distances are increased and time savings are required.

There is also the added benefit of one tanker remaining in the field at all times. This prevents slurry and muck from being carried onto the road.

The unloading boom can be rotated hydraulically through 270 degrees making it possible to unload on both sides of the tanker. The boom length means that hedges can be easily bridged.

The boom is galvanised and features a drip tray to pass excess slurry neatly to the ground.









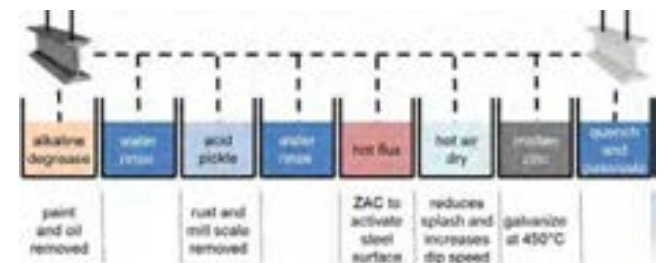
Galvanise

Stay well protected

HiSpec tanks are supremely welded to give the strongest and best built tanker on the market. In keeping with this standard, all tankers are shot-blasted prior to painting in a durable red paint to provide the perfect finish.

For maximum protection, tankers can be hot-dipped in a galvanising bath to provide anti-corrosion coating inside and out. The hot-dip galvanisation occurs at a temperature of 450 degrees. Before this hot-dip, the steel is cleaned with chemical washes so it is ready to react with molten zinc.

Zinc protects steel by forming both a physical barrier and electrochemical protection. This prevents moisture and oxygen from reaching the steel and corroding. The quality of workmanship in our slurry tanks, teamed with galvanisation, guarantees maximum protection.



SAFETY, COMFORT & CONTROL



Spoon Hitch

Smoother travel

A spoon hitch offers 90% less wear and damage than traditional towing rings. A HiSpec tanker comes standard with a 50mm ring hitch which can be upgraded to a ball and spoon coupling. The ball and spoon coupling helps eliminate shunting movement associated with traditional ring hitches.

The ball and spoon coupling ensures a perfect fit between tanker and tractor and the coupling facilitates greater comfort, safety and control.

A bolt-on ring hitch (*below*) can be fitted to the drawbar to future proof the option of a spoon at a later date.



Air Brakes

Improved stopping power

Greater road work and higher tractor speeds means braking must be a top priority when configuring your tanker. Most HiSpec tankers are fitted with a high-speed commercial axle and large 420x180 hydraulic brakes.

For additional safety and improved stopping power, air over hydraulic brakes can be fitted. A large air reservoir and load sensing relay give air brakes a crisp and immediate braking.



Forced Steering

Follow the tractor

Fitted with the spoon hitch, the option of forced steering maximises control and comfort. The operator does not need to worry about locking or unlocking the steering.

The extension and retraction of the steering ram on the drawbar controls the direction of the rear wheels. Overall tyre wear is reduced as dragging is lessened on the rear tyres. It is also easier to reverse the tanker as the rear wheels do not need to be 'locked' out.



Central Grease Bank

Maintenance made easy

Suitable for tandem and triple axle tankers, all grease points are routed back to an easily accessible central bank. The operator can easily apply grease to the axle to extend life and reduce maintenance time.



Electric Switch Controls

Everything at your fingertips

Control tanker functions through a customised electric switch box. All hydraulic functions and lights can be wired direct to the switch box to ensure you are in full control at all times.

The switch box provides the operator with instant control and reduces the number of hydraulic spool connections to the tractor.

The electric switch box is load sensing and can be ideal where a large number of hydraulic functions are required.



Flow Metering

Krohne Flow Meter

The Krohne Flow meter is attached to the outlet between tanker and applicator. As the slurry passes through the meter, it can record useful information including volume, application rates etc and display this information on the in-cab slurry monitor.

Tanlake DD Slurry Monitor

This is a comprehensive in-cab monitor which reads information from the flow meter and displays it using a number of read-out options.

The information can be downloaded against a specific customer or field reference. This information includes flow rate (M³/hr), application rates, forward speed, area covered, time and date.

SA-S



Model	Standard Tyre
800 SA-S	15 x 22.5
1150 SA-S	15 x 22.5
1350 SA-S	550/60- 22.5
1600 SA-S	550/60- 22.5
2000 SA-S	560/60 R22.5



15 x 22.5	550/60 - 22.5	21.3 x 24	560/60 R22.5
385 (15") 1080 (42")	550 (22") 1234 (49")	540 (21") 1400 (55")	543 (21") 1244 (49")
<p>15 x 22.5 tyres are particularly suitable for smaller machines. Their width 385mm is ideal for loads around small farm yards or hard surfaces.</p> <p>15 x 22.5 offers long wear resistance but limited flotation.</p>	<p>Load Index 154 A8</p> <p>550/60 - 22.5 tyres are designed for carrying high loads at low pressure, reducing soil compaction and preventing damage.</p> <p>The most common choice of tyre for SA-S as the large overall width helps spread the load over a greater area.</p>	<p>Load Index 155 A8</p> <p>Non-recessed 21.3 x 24 can be fitted to provide improved grip on sloped ground. The tractor grip helps to prevent the tanker from sliding on inclines. These tyres are also larger in diameter and provide lowest rolling resistance.</p>	<p>Load Index 161 D</p> <p>560/60 R22.5 is the ideal multi-purpose tyre for use on roads or fields. The higher carrying capacity means this tyre is fitted standard on the 2000 SA-S model.</p> <p>The high-load index ensures this tyre is suitable to intense road use or more industrial applications.</p>



SA-R



Model	Standard Tyre
1350 SA-R	750/70 R26 Alliance
1600 SA-R	750/70 R26 Alliance
2000 SA-R	750/70 R26 Alliance
2300 SA-R	750/70 R26 Alliance
2600 SA-R	800/65 R32 Alliance
3000 SA-R	750/60 R30.5 Alliance



750/70 R26 Alliance

800/65 R32 Alliance

750/60 R30.5 Alliance

750 (29") 1780 (70")

800 (31") 1850 (73")

767 (30") 1680 (66")

Load Index 158 A8

Alliance 750/70 R26 is a wide base radial tyre developed for field and hauling applications. The large footprint area reduces average ground pressure, minimises soil compaction and increases flotation abilities.

Ideal for farmers and tractor speeds under 40 km/h.

Load Index 181 A8

Alliance 800/65 R32 is an extra wide base radial tyre for higher capacities. Low angled lugs at the shoulders improve traction, while higher centres improve ride comfort. Load index of 181 A8 translates to 8,250kgs per tyre at 40km/h.

Recommended for contractors and tractors capable of 50 km/h.

Load Index 181 D

750/60 R30.5 Alliance 885 is a new generation tyre with a high load carrying capacity, working speed and superior distribution of pressure on the surface. Lower rolling resistance enhances fuel efficiency.

Load index of 181 D ensures each tyre is capable of 8,250 kgs at 65 km/h.



TD-S



Model	Standard Tyre
2000 TD-S	560/60 R22.5 Alliance
2600 TD-S	560/60 R22.5 Alliance
3000 TD-S	560/60 R22.5 Alliance
3500 TD-S	560/60 R22.5 Alliance
4000 TD-S	560/60 R22.5 Alliance



560/60 R22.5 Alliance 885

560/60 R22.5 Alliance 882

**650/55 R26.5 Alliance 885
710/50 R26.5 Alliance 885**

**650/55 R26.5 Alliance 882
710/50 R26.5 Alliance 882**

555 (22") 1230 (48")

565 (22") 1244 (49")

648 (26") 1380 (54")
732 (29") 1400 (55")

645 (25") 1389 (55")
727 (29") 1383 (55")

Load Index 164 D

Alliance 885 is a new generation tyre with a high load carrying capacity, working speed and superior distribution of pressure on the surface. Lower rolling resistance enhances fuel efficiency. Thread pattern 885 is suited to mixed road and field use.

Load index of 164 D equates to 5,000 kgs at 65 km/h.

Load Index 165 D

Alliance 882 combines the best characteristics of flotation and radial construction to provide a superior performance on roads applications. Designed for 75% road use, the 882 pattern places more tyre on the road surface for improved grip and control. Ideal for road performance.

Load Index 170 D

Alliance 885 is a new generation tyre with a high load carrying capacity, working speed and superior distribution of pressure on the surface. Lower rolling resistance enhances fuel efficiency.

Top performance tyre suitable for 6,000 kgs per tyre at speeds up to 65 km/h.

Load Index 170 D / 172 D

Alliance 882 combines the best characteristics of flotation and radial construction to provide a superior performance on road applications.

Ideal for high-performance on the road. These tyres are non-recessed but provide low rolling resistance and high wear. 710/50 R26.5 are seen as the top choice for their higher index and greater footprint.



TD-R



Model	Standard Tyre
3000 TD-R	750/60 R30.5 Alliance
3500 TD-R	750/60 R30.5 Alliance
4000 TD-R	750/60 R30.5 Alliance



750/60 R30.5 Alliance 885	750/60 R30.5 Alliance 882
750 (30") 1675 (66")	754 (30") 1675 (66")
<p>Load Index 181 D</p> <p>Alliance 750/60 R30.5 885 is a high performance tyre capable of carrying 8,250 kgs per tyre up to 65 km/h. Their unrivalled strength and performance means TD-R is a tanker without limits. 885 has a superior distribution of pressure on the surface for field applications.</p>	<p>Load Index 181 D</p> <p>Alliance 882 is designed for road ability as it allows more tyre surface in contact with the road. A load index of 181 D ensures TD-R float effortlessly behind your tractor.</p>

TRI-S



Model	Standard Tyre
4000 TRI-S	600/50 R22.5 Alliance
4500 TRI-S	600/50 R22.5 Alliance
5000 TRI-S	600/50 R22.5 Alliance



600/50 R22.5 Alliance 885	650/55 R26.5 Alliance 885 710/50 R26.5 Alliance 885	650/55 R26.5 Alliance 882 710/50 R26.5 Alliance 882
606 (24") 1172 (46")	648 (26") 1380 (54") 732 (29") 1400 (55")	645 (25") 1389 (55") 727 (29") 1383 (55")
<p>Load Index 159 D</p> <p>Alliance 600/50 R22.5 provide a large foot-print for TRI-S. Designed for a varied application the 885 is suitable for everyday mixed use on roads and fields.</p>	<p>Load Index 170 D</p> <p>Alliance R26.5 885 offers higher carrying capacity than the R22.5s. A higher load carrying capacity, working speed and superior distribution of pressure ensures lower rolling resistance and fuel efficiency.</p>	<p>Load Index 170 D / 172 D</p> <p>Alliance R26.5 882 combines a high load index and superior grip to outperform other options on the road. Load indexes of 170/172 D equates to a carrying capacity of 6000/6300 kgs up to 65 km/h.</p> <p>Ideal for road performance.</p>

WHICH APPLICATOR TO CHOOSE?

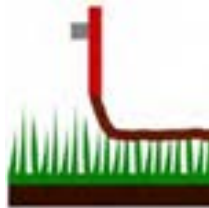
N - Nitrogen
P - Phosphate
K - Potassium

Fertiliser value of slurry

With a continued shift towards farm modernisation and a drive towards lowering pollution levels, farmers are turning towards low emission spreaders to apply slurry on their farms. The application of slurry via these methods are also focussed towards improving overall water quality through the Nitrates Directives. Slurry is seen as a reliable, available organic fertiliser with added value to the farm, so its vital that it is used as efficiently as possible to reduce artificial inputs. Slurry if applied by dribble bar, trailing shoe or injection will be worth approximately 3 units more N per 1,000 gallons than a conventional splashplate. Slurry contains the main nutrients NPK that are essential for plant growth, with 1,000 gallons of undiluted cattle slurry equivalent to a 50kg bag of 5-5-30 fertiliser.

DRIBBLE BAR

Dribbled above ground



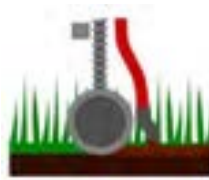
TRAILING SHOE

'Active Pressure' on the ground



DISC INJECTOR

Injected into the ground



Slurry is dribbled on the ground via specially designed boots or hose. This will dribble slurry without contact with the ground.

Slurry is applied to the ground through a spring loaded leg. The spring is designed to create 'active pressure' on the ground at all times. This serves two purposes. Firstly, it opens the soil for increased nutrient uptake, and secondly to reduce contamination.

Slurry is injected deep into the ground via a cutting disc. Maximum nutrient uptake and reduced nitrogen loss is provided by direct placement of the slurry. Evaporation and odour is also reduced by subsequent grass covering.



AGQUIP FARMER DRIBBLE BAR

AgQuip Farmer Dribble Bar

The 7.2 metre AgQuip farmer dribble bar uses innovative rubber boots for more precise distribution of slurry. These boots help to lower splashing from the dribble bar and reduce contamination.

The AgQuip farmer dribble bar hangs on a special A-frame rear door. The A-frame allows the dribble bar to be removed easily if required. The lower half of the dribble bar uses a unique pivoting feature to allow the boots to follow ground contours. During folding, these sections are lifted clear via chains for transportation. The Agquip dribble bar uses a Vogelsang Exacut for distribution.

Vogelsang ExaCut

The Vogelsang ExaCut is a precision distributor that uses a central rotor to chop and distribute in one step. The rotating action helps to shear any fibrous material, and an integrated stonetrapp collects heavy debris. The ExaCut is designed to rotate in either direction to prevent clogging and reduce wear.

AGQUIP ECO DRIBBLE HOSE



AgQuip ECO Dribble Hose

The 7 metre AgQuip ECO dribble hose is easily retrofitted to existing HiSpec tankers without any additional brackets. It requires just one additional spool valve. The dribble hose uses lay-flat hosing to distribute the slurry onto the ground. The lay-flat hosing has the benefit on clearing uneven ground easily.

The AgQuip dribble hose has a butterfly span to ensure that maximum ground clearance is achieved. The butterfly wings are shear-pin protected to give the additional comfort while operating. The splashplate is also fitted for normal use.

AgQuip Macerator

The AgQuip ECO dribble hose uses an in-house AgQuip macerator to distribute the slurry. The macerator is tried and tested to tough Irish conditions. It features an integrated stonetrapp for heavy debris. Hydraulically driven, it can be rotated in both directions to ensure even wear. Inspection of the macerator is extremely quick with just four clamp fittings to open for routine maintenance.



HISPEC TRAILING SHOE



HiSpec Trail-S

HiSpec is now offering an in-house trailing shoe solution to complement our tanker range. The HiSpec Trail-S is available in 6, 7.5 and 9 metre working widths. The Trail-S features a robust chassis mounted mast. The mast ensures that the shoe is properly supported to the tanker. The axle is also moved back to ensure the tanker is perfectly balanced. The Trail-S uses individual spring legs and hardened coulters to part the grass and open the surface of the soil in one pass.

Sprung coulters to part the grass

The Trail-S features individually sprung legs with toughened coulters to gently part the grass and open up the soil. The downward pressure applied to the legs ensures that the coulter is in constant contact with the ground. This contact is essential to create the optimum channel for nutrient uptake. The trailing rubber boot then deposits the slurry directly into the open channel to reduce contamination. Once spreading is complete, the parted grass comes together again, minimising evaporation and saving on fertiliser.



The HiSpec Trail-S features a number of unique features. The 7.5 and 9 metre trailing shoes fold down to reduce overall height. This folding is synchronised with the arms and ensures that the shoe does not project above the tanker barrel. The HiSpec trailing shoe can also be used as a dribble bar, without any contact with the ground if required. There is also the ability to use either fill point behind the shoe, or the splashplate any alterations.

The 9 metre Trail-S will also feature a unique hydraulic self-levelling, whereby each arm of the trailing shoe will lift as it passes over a side incline. This ensures that the shoe is working perfectly over its entire width and that pressure on the boots is distributed evenly.



Vogelsang ExaCut

The Trail-S use a german made Vogelsang ExaCut for distribution. The Vogelsang ExaCut is a precision distributor that uses a central rotor to chop and distribute in one step. The rotating action helps to shear any fibrous material, and maintain even wear.

The Trail-S uses two spools for operation. One spool is used to fold and unfold the arms. This spool is then switched over to run the ExaCut.

The second spool is used to lift and lower the legs. This determines the pressure created on the spring legs to the ground. It is also possible to operate the Trail-S as a dribble bar without any downward pressure.

A separate spool is used for splashplating with no alterations needed to the shoe.





Folding Ends

The 7.5 and 9 metre HiSpec Trail-S fold away nicely. Both shoes feature unique folding to reduce overall height. This reduced height means safer travel on roads and freer movement on farms. The Trail-S can be reversed under lower roofs than competitors' models.

Side Incline

The 9 metre Trail-S features a unique side incline lift. As the outer arms pass over an incline, a large amount of pressure is placed on the outer legs. This excess pressure is now diverted to an accumulator which allows the arm to lift for protection and ensure even distribution across the entire shoe.

Integrated Stonetrap

The Trail-S is fitted with an integrated stonetrap. Slurry exits the tanker from the side of the manhole where it passes directly into the ExaCut. Stones and heavy debris then fall into the trap where they can be easily removed.

Splashplate

A splashplate is also included with all Trail-S. The splashplate is fixed as normal operating height and fed directly from the manhole. This ensures that the feed is maintained at 6" and avoids restrictions. Simply select the separate pool at the tractor to splashplate.



Bomech Trailing Shoe

Dutch manufacturer Bomech has earned a reputation as a trailing shoe specialist. A Bomech trailing shoe will deliver one of the most efficient uses of slurry. Tempered steel shoes gently part the grass sideways and create a uniform channel for the slurry. A trailing rubber boot then deposits the slurry directly into this channel underneath the grass.

The creation of this channel allows the slurry to be absorbed faster and avoids grass contamination. Bomech technology with 'active constant pressure' of at least 6-10 kg per shoe provides optimal channel creation. Once spreading is complete, the parted grass comes together again, minimising evaporation and saving on fertiliser.

HiSpec offer Bomech Trailing Shoes from 10.5 up to 30 metres. These shoes fold up and over the mudguards for transportation. The combination of automatic level adjustment and individual trailing shoe suspension allows the Bomech to adjust to even the most difficult landscape conditions. Despite the wide working widths, there is little traction required to move the machines due to their advanced engineering and relative low weights.

Bomech Alrena

Bomech has developed a new Alrena distributor which produces the lowest variation in the distribution of slurry, currently less than 2.5%. The Alrena works with cutting discs which pass over the outlets. The cutting blades are pretensioned against the cutting screens via internal springs. The springs ensure that the blade is always kept sharp.

The Alrena is driven via hydraulic motor with a low oil demand. The direction of the distributor is changed automatically on headlands, and this helps to use all edges of the blades. This new Alrena distributor produces less wear internally so maintenance costs are reduced.

The Alrena comes with an integrated stone sump to protect the rotating blades from damage. Two inspection hatches are provided for routine maintenance.









Vogelsang Dribble Bars are available from 9 to 36 metres. Vogelsang have been developing dribble bars for more than 30 years. The SwingUp series offers dribble bars from 9 to 18 metres, while the SwingMax offers dribble bars ranging from 18 to 36 metres.

If liquid manure is spread close to the ground where it is unaffected by the wind, a significantly higher proportion of the nutrients reach the crop. Compared to conventional splashplate, nutrient emissions are reduced considerably.

Using Vogelsang means less inorganic fertiliser. To reduce operating costs further, Vogelsang have a bar to suit your tramline or working width. The extraordinary precision of liquid manure spreading with Vogelsang dribble bar systems helps to ensure even growth and a uniform ripening for crops.



Vogelsang Rotacut Inlet Chopper

Chop as you fill

The Vogelsang Rotacut is fitted to a standard 6" quick attach. The Rotacut is hydraulically driven via constant pumping on a tractor spool. As the tanker is filling, the Rotacut macerates fibres against a mesh cutting screen. This mesh cutting screen prohibits the passage of stones or large lumps into the tanker.

The Rotacut can be driven in both directions to ensure even wear. As a result, the blades and screen are always in contact and you benefit from optimal cutting performance. This also helps reduce power consumption as the screen and blades are kept sharp.

The front of the Rotacut features a 2" perspex sight bubble to monitor filling. The front compartment also acts as a sump for stones, which can be easily removed, when the Rotacut is switched off.

VOGELSANG



Vogelsang are at the forefront of macerator production through their innovation and progress over the last 90 years. Today, Vogelsang develop, manufacture and distribute some of the most innovative and reliable macerators for use in the agricultural sector. Vogelsang's newest development to their growing portfolio of ExaCut distributors is the ECQ. Featuring 50% longer service life, 50% less power consumption, even more exact distribution, the ECQ is a service sensation with unbeatable distribution accuracy.



Vogelsang ECQ Distributor

The ECQ is a new precision distributor from Vogelsang. The ECQ cutting rotor is now removable directly through the inspection plate making maintenance faster and easier than ever before.

The ECQ is hydraulically driven with a low oil requirement. In addition, all ECQs are equipped with a stone separator so stones are easily collected and removed.



Cutting

The optimised ECQ rotor with tri-lobe design reduces the contact surface and the friction resistance in the distributor, reducing strain on the cutting blades. Eccentric adjuster tensioning is also now possible without special tools. Lastly, wider inlets and orifice diameters reduce pressure loss and therefore less power consumption of the vacuum pump.



Service

The reduced strain on the cutting blades has enabled the service life to be extended by 50%, while simultaneously improving cutting performance and distribution. QuickService allows the ECQ cutting rotor to be removed directly through the inspection plate making maintenance faster and easier than ever before.



Quality

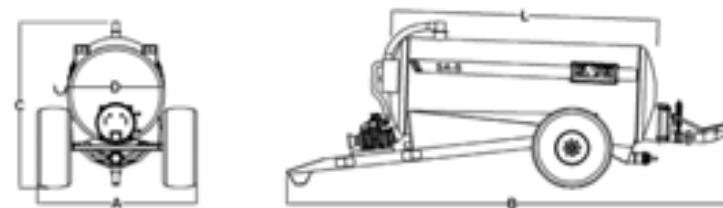
The ECQ is german made from Vogelsang and features the quality one would associate with german goods. Vogelsang has a wealth of experience through 90 years of innovation across a range of sectors including agriculture, industry, wastewater and biogas.

TECHNICAL

SA-S

Standard Specification includes:

50mm ring hitch, parking brake, 9000 litre Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, hydraulic brakes, LED road-lights (x1), 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



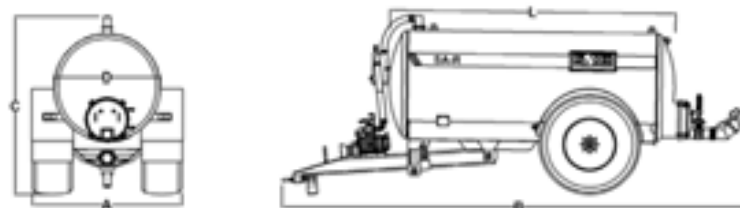
Model	Standard Tyre	Axle Size	Brake Size	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
800 SA-S	15 x 22.5	80 x 80	300 x 90	9000	2260	5540	2360	1372 (54")	2500	1690	3660
1150 SA-S	15 x 22.5	80 x 80	300 x 90	9000	2260	6295	2450	1372 (54")	3050	1800	5228
1350 SA-S	550/60- 22.5	80 x 80	300 x 90	9000	2550	6425	2550	1524 (60")	3080	2000	6319
1600 SA-S	550/60- 22.5	80 x 80	300 x 90	9000	2550	7245	2650	1524 (60")	3660	2275	7501
2000 SA-S	560/60 R22.5	100 x 100	400 x 80	9000	2560	7305	3020	1740 (68")	3660	2500	9547

Please note that brand of tyre supplied may vary according to availability at time of manufacture.
Mudguards standard from 1350 SA-S upwards

SA-R

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, commercial axle, 420x180 hydraulic brakes, LED road-lights (x1), built-in round mudguards, 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.

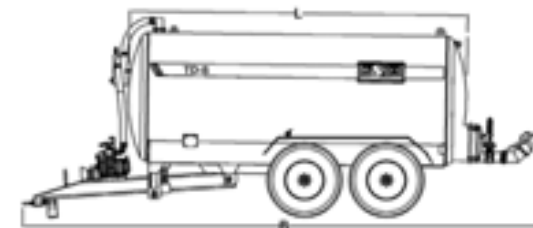


Model	Standard Tyre	Axle	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
1350 SA-R	750/70 R26 Alliance	Stepped	150 x150	420 x 180	Yes	9000	2580	6425	2820	1524 (60")	3670	3000	6137
1600 SA-R	750/70 R26 Alliance	Stepped	150 x 150	420 x 180	Yes	9000	2580	7245	2820	1524 (60")	4250	3300	7273
2000 SA-R	750/70 R26 Alliance	Stepped	150 x 150	420 x 180	Yes	9000	2580	7305	2950	1740 (68")	4250	3680	9183
2300 SA-R	750/70 R26 Alliance	Stepped	150 x 150	420 x 180	Yes	11000	2580	7245	3050	1866 (73")	4300	3900	10547
2600 SA-R	800/65 R32 Alliance	Straight	150 x 150	420 x 180	Yes	11000	2630	8145	3050	1866 (73")	4910	4800	11593
3000 SA-R	750/60 R30.5 Alliance	Straight	150 x 150	420 x 200	Yes	11000	2600	8775	3100	1866 (73")	5540	5000	13784

TD-S

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, parabolic tandem commercial axle, 420x180 hydraulic brakes, 560/60 R22.5 tyres, LED road-lights (x1), 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



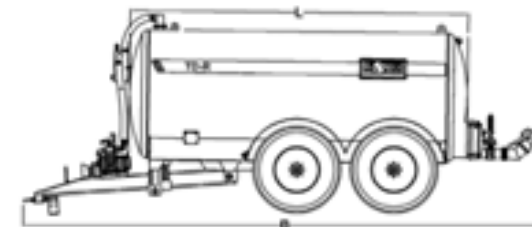
Model	Standard Tyre	Steering	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
2000 TD-S	560/60 R22.5	No	2 x 127	420 x 180	Yes	9000	2660	7305	2850	1740 (68")	4230	5350	9547
2600 TD-S	560/60 R22.5	Rear	2 x 127	420 x 180	Yes	11000	2660	8145	3200	1866 (73")	4910	5650	11819
3000 TD-S	560/60 R22.5	Rear	2 x 150	420 x 180	Yes	11000	2660	8775	3200	1866 (73")	5540	6050	13638
3500 TD-S	560/60 R22.5	Rear	2 x 150	420 x 180	Yes	11000	2660	8915	3200	1866 (73")	6060	6350	15911
4000 TD-S	560/60 R22.5	Rear	2 x 150	420 x 180	Yes	11000	2660	8915	3350	1993 (78")	6060	6700	18185

Please note that brand of tyre supplied may vary according to availability at time of manufacture.

TD-R

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, 11000 litre Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, parabolic tandem commercial axle c/w rear steering, 420x180 hydraulic brakes, 750/60 R30.5 tyres, LED road-lights (x1), 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



Model	Standard Tyre	Steering	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
3000 TD-R	750/60 R30.5	Rear	2 x 150	420 x 180	Yes	11000	2850	8775	3200	1886 (73")	5180	7700	13638
3500 TD-R	750/60 R30.5	Rear	2 x 150	420 x 180	Yes	11000	2850	9575	3200	1866 (73")	5600	8100	15911
4000 TD-R	750/60 R30.5	Rear	2 x 150	420 x 180	Yes	11000	2850	9575	3350	1993 (78")	5600	8500	18185

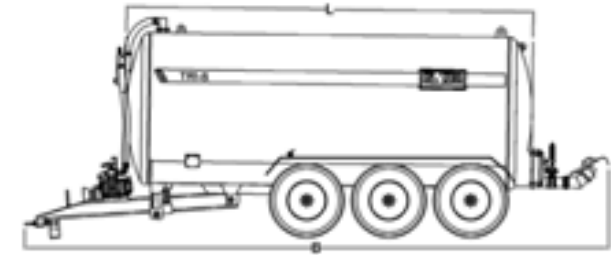
Please note that brand of tyre supplied may vary according to availability at time of manufacture.

TECHNICAL

TRI-S

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, 11000 litre Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, tridem commercial axle c/w rear steering, 420x180 hydraulic brakes, LED road-lights (x1), mudguards, 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



Model	Standard Tyre	Steering	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
4000 TRI-S	600/50 R22.5	Rear	3 x 150	420 x 180	Yes	11000	2710	8260	3400	2133 (84")	6160	7750	18185
4500 TRI-S	600/50 R22.5	Rear	3 x 150	420 x 180	Yes	11000	2710	8500	3400	2133 (84")	6410	7980	20457
5000 TRI-S	600/50 R22.5	Rear	3 x 150	420 x 180	Yes	11000	2710	8750	3400	2133 (84")	6660	8250	22730

Please note that brand of tyre supplied may vary according to availability at time of manufacture.

SALES AND SERVICE



SALES

Your nearest HiSpec dealer is just a **click** away!!!. Visit www.hispec.net for dealer locations.

PARTS AND SUPPORT

Ensure your HiSpec tanker performs to its maximum with genuine HiSpec parts. The HiSpec dealer network ensures you have all the parts to keep you working.



TRAIL-S

Standard Specification includes:

Vogelsang ExaCut distributor, 40mm flexible hose, individual spring steel legs c/w toughened coulter, active ground pressure, long life rubber trailing boot, galvanised steel frame c/w folding ends, galvanised light bar c/w LED road-lights, chassis mounted fixed mast, integrated stonetrap, splashplate, 6" blanked fill points (x2), electric divertor switch (folding & distributor).

9 metre additional spec (hydraulic accumulator side incline suspension)



Folded



Working

Model	Working Width	Outlets	Distance	Distributor	Stonetrap	Folding Ends	Transport Width	Hydraulic Incline Suspension	Controls	Unladen kg	Galvanise
6.0 TRAIL-S	6 metres	24	25 cm	Vogelsang	Integrated	N/A	2550	N/A	2 Spools	700	Yes
7.5 TRAIL-S	7.5 metres	30	25 cm	Vogelsang	Integrated	Yes	2550	N/A	2 Spools	850	Yes
9.0 TRAIL-S	9 metres	36	25 cm	Vogelsang	Integrated	Yes	2550	Yes, both side arms	2 Spools	1,000	Yes

GET IN TOUCH



HiSpec is always striving to improve our products and we would love to hear your comments and receive your photographs of products in action through our social media pages.



HiSpec Engineering Ltd
 Station Road
 Bagenalstown
 Co. Carlow
 R21 E038
 Ireland

+353 (0) 59 97 21929

www.hispec.net

sales@hispec.net





HiSpec believes the specification in this brochure to be correct at the time of printing. However, specifications, standard equipment and options are subject to change without notice. Some equipment may be unavailable at time of manufacture. Please ask your dealer for advice concerning current availability of standard and optional equipment, and your dealer will verify that your tanker will include the equipment you ordered. All images in this brochure may be shown with optional equipment.

Authorised Dealer Stamp



Contents

MODELS

4	SA-S
8	SA-R
14	TD-S
20	TD-R
30	TRI-S
36	JUROP
38	SPREAD ANYWHERE, ANYTIME
40	UMBILICAL SPREADING
42	UMBILICAL CONNECTIONS
43	LEVEL INDICATORS, FILLING UP
44	STORAGE AND CONVENIENCE
46	BE SAFE, BE SEEN
47	AUTO-FILL AND TURBO-FILL
48	LOADING AND UNLOADING
50	GALVANISE
52	SAFETY, COMFORT AND CONTROL

TYRES

54	SA-S
55	SA-R
56	TD-S
57	TD-R
58	TRI-S

APPLICATORS

60	AGQUIP
62	HISPEC TRAILING SHOE
66	BOMECH
68	VOGELSANG
72	TECHNICAL
74	SALES AND SERVICE
75	GET IN TOUCH



Page 4

SA-S Single Axle - Standard



Page 8

SA-R Single Axle - Recessed



Page 14

TD-S Tandem Axle - Standard



Page 20

TD-R Tandem Axle - Recessed



Page 30

TRI-S Triple Axle - Standard



Page 62

TRAIL-S Trailing Shoe





Our Story

Established in 1988, HiSpec Engineering Ltd is a family-owned and run company based in Carlow, Ireland. Since the company's inception, we have grown progressively as a manufacturer and supplier of top quality machinery.

Our core activity is centred on the design and manufacturing of innovative and reliable machinery for use throughout the agricultural sector. We are a company that is proud of the dependable and honest reputation we have built. We aim to continue a sustainable business that will benefit national and international communities.

HiSpec Engineering has invested heavily in our production facilities in order to provide our customers with the highest quality products. We have established a strong core dealer network throughout Ireland and the UK. We also manufacture and distribute agricultural machines to various countries around the world.

We are focused on improving ourselves and our products and we are always looking to establish greater efficiencies to ensure that HiSpec maintains its reputation as a market leader in manufacturing high quality products.

Yours Sincerely,

The Nolan Family

SA-S



SA-S Single Axle - Standard

SA-S offers a basic specification to meet the needs of small farms. Capacity ranges from 800 to 2000 gallons. SA-S feature non-recessed wheels with an agricultural axle making it ideally paired with lower HP tractors. The barrel is manufactured in 6mm British steel and is fully supported to the chassis below. The chassis is complete with an A-frame drawbar for tight turning.

A powerful 9000 litre Jurop pump is fitted for prompt filling. The pump is also protected with a secondary syphon fitted as standard. The tyres of choice are 550/60 - 22.5 due to their excellent flotation. Alternatively, 21.3 x 24 are available with a tractor grip to provide improved stability on sloped ground.









SA-S models are fitted on an eight stud agricultural axle with hydraulic brakes. LED road-lights and mudguards* ensure that you are ready for the road. SA-S are ideally suited to tractor speeds under 30km/h. The smaller capacities and flotation wheels allow SA-S to float easily over land.

All SA-S are finished with a premium paint job. The tanker is shot-blasted to provide perfect preparation for our durable red paint finish. The 600mm rear manhole is galvanised and suitable for mounting of a dribble bar if required.

** mudguards standard from 1350 SA-S upwards*

SA-R





Large capacity and an easy pull

SA-R Single Axle - Recessed

SA-R are premium, single axle, recessed tankers for farmers and contractors. Capacities range from 1350 to 3000 gallons. Manufactured in 6mm British steel, SA-R tankers have collared dished ends and internal ribs for a strong build.

Our full length folded chassis is unique to HiSpec and supports the barrel along its entire length; reducing stress and distributing weight evenly. SA-R tankers are also fitted with internal baffles to prevent slurry surge. A sprung drawbar and swivel hitch ensure smooth and comfortable operation.

SA-R feature large, recessed Alliance tyres to cover a wide footprint. Alliance tyres allow for an easy pull of large capacities. SA-R up to 2300 SA-R are fitted on 750/70 R26 Alliance. The larger 2600 SA-R is fitted with a heavy-duty 800/65 R32 Alliance, while the 3000 SA-R is complete with a superior strength 750/60 R30.5 Alliance.

Also unique to HiSpec is our stepped axle, which is standard from 1350 to 2300 SA-R and lowers the overall height of the tanker. This stepped axle also aids stability and comfort. The 2600 and 3000 SA-R are fitted on a straight commercial axle for larger carrying capacity.





Stepped Axle up to 2300 SA-R

Stepped Axle

Lowered centre of gravity and improved handling. SA-R tankers up to 2300 gallons are fitted on a stepped commercial axle to increase stability. The stepped axle lowers the rear of the tanker approximately 125mm. 420x180 commercial brakes offer high braking efficiency suitable for high speed and many load applications.

The 2600 and 3000 SA-R are fitted on a straight axle with large commercial hydraulic brakes for additional stopping power. Air brakes are optional to either axle.



750/70 R26 Alliance

up to 2300 SA-R
158 A8



800/65 R32 Alliance

2600 SA-R
181 A8



750/60 R30.5 Alliance

3000 SA-R
181 D

Alliance Tyres



High performing Alliance tyres are fitted on all SA-R. Alliance Tyre Group (ATG) is a subsidiary of Yokohama Group. ATG has a presence in over 120 countries across six continents.

750/70 R26 Alliance

Load Index 158 A8

The 750/70 R26 Alliance is the ideal tyre for small recessed tankers where a farmer is looking for a wide footprint and a low rolling resistance. Standard up to 2300 SA-R.

800/65 R32 Alliance

Load Index 181 A8

800/65 R32 Alliance possesses a wider footprint and increased strength to reduce ground pressure and increase carrying capacity. Suited for tractors over 40km/h. Fitted on the 2600 SA-R and optional for other models.

750/60 R30.5 Alliance

Load Index 181 D

High performance 750/60 R30.5 Alliance tyres are fitted to the 3000 SA-R to cater for increased weight and speed demands. A load index of 181 D ensures top performance up to 65km/h.





Juop Pumps

Since 1976, Juop pumps are manufactured in a state-of-the-art factory in Italy. For 45 years Juop have been recognised as the fastest and most powerful vacuum pump available.

PTO driven as standard, the PN Series is the fastest method to fill or empty your tanker. The PN Series use sliding vanes to create vacuum or pressure inside the tank. A manual pump changeover is fitted as standard between pressure and vacuum. The PN Series are air cooled and use forced lubrication for minimal maintenance.

Juop PN 84	9000 litre	up to 2000 gallons
Juop PN 106	11000 litre	2300 gallons upwards
Juop PN 140	14000 litre	optional

Options include:

- Exhaust*
- Wide angle PTO*
- Hydraulic changeover*
- Hydraulic driven pump*



TD-S



Unrivalled Comfort

TD-S Tankers

TD-S are non-recessed tandem axle tankers fitted on 22.5 or 26.5 tyres. TD-S offers greater carrying capacities than single axle tankers. With a greater demand for improved efficiency, contractors are turning towards TD-S models. TD-S capacity range from 2000 to 4000 gallons.

TD-S are packed with features including a sprung drawbar, 50mm swivel ring hitch and a high-speed parabolic axle for operator comfort. Rear steering is fitted from 2600 gallons upwards. TD-S are a key choice where a lot of road-work is involved. Reinforced internal baffles and a fully supported barrel ensure a smooth ride.



Parabolic under-slung tandem axle

TD-S are fitted on a parabolic commercial high-speed tandem axle. The parabolic axle is welded along the entire underside of the chassis for maximum support. The parabolic axle setup is particularly suited to intensive road use as stresses and strains are transmitted through a greater distance than a conventional 'bogie' pivot. The suspension is under-slung to reduce the centre of gravity and increase stability as you travel from one job to the next.



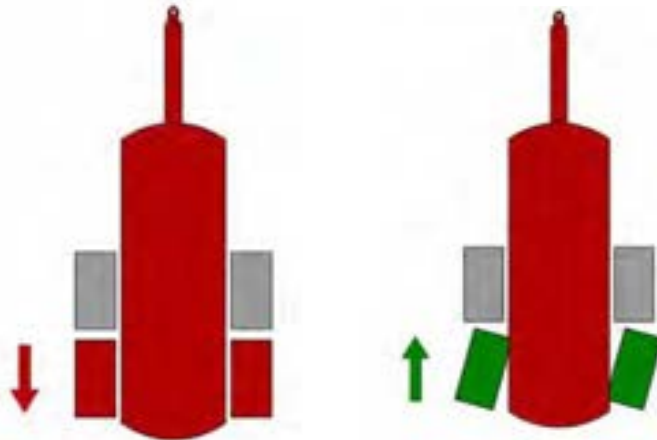


Rear steering for manoeuvrability

TD-S with a capacity of 2600 gallons upwards are supplied with rear steering for easy turning. The steering can be released in forward direction to allow the tanker to follow the tractor easily and reduce damage on headlands.

To reverse, the rear wheels are hydraulically 'locked'. This straightens the wheels and allows the operator to reverse with ease. The steering should always be 'locked' for all road transport or speeds above 15km/h.

For safety, all TD-S are fitted with 420x180 hydraulic brakes. Air brakes can be added for increased stopping power. An axle central greasing bank can also be fitted to reduce time consuming maintenance tasks.



Reverse - locked

Forward - free

Forced Steering

It is also possible to fit 'forced' steering as an option. Forced steering is teamed up with a spoon hitch to provide the safest and most comfortable tractor and tanker setup. Forced steering uses a ram on the drawbar to force the tanker rear axle to turn with the tractor. This setup also has the added benefit of being able to reverse easier around corners and tight farmyards.







TD-S Tyre Choice



Alliance

Tyre choice has become one of the most important factors when considering your tandem tank. TD-S are fitted as standard on 560/60 R22.5. However, HiSpec can offer multiple options in either 22.5 or 26.5. The larger 710/50 R26.5 tyres are becoming increasingly specified as they offer lower rolling resistance, reduced wear and improved control.

Alliance offer two patterns (885 and 882) that suit TD-S needs. Alliance 885 is suited to mixed road and field applications. The Alliance 882 pattern is suited to road applications.



ALLIANCE 885

Road 50% Field 50%



ALLIANCE 882

Road 75% Field 25%

Sizes Available	Load Index
22.5	
560/60 R22.5 Alliance 885	164 D
26.5	
650/55 R26.5 Alliance 885	170 D
710/50 R26.5 Alliance 885	170 D

Sizes Available	Load Index
22.5	
560/60 R22.5 Alliance 882	165 D
26.5	
650/55 R26.5 Alliance 882	170 D
710/50 R26.5 Alliance 882	172 D

TD-R



Premium Performance

TD-R Tandem Axle - Recessed

TD-R tankers are recessed tandem tankers designed for high-end users. Features include a sprung drawbar, 11000 litre Jurop pump and recessed 750/60 R30.5 Alliance tyres. A high-speed axle complete with rear steering ensures that TD-R can travel anywhere; and get there fast. Capacities range from 3000 to 4000 gallons and this ensures TD-R tankers float across fields and from one job to the next.

A TD-R is particularly suited to contractors who want to overcome all obstacles. TD-R have wheels recessed into the tanker to keep the width of the tanker as narrow as possible; whilst also providing maximum ground coverage. The tyres feature a high-load index meaning they carry greater weight at faster speed and travel easily over land.









Chassis

TD-R tankers are fully supported by a unique folded chassis. The chassis is folded twice to support the barrel along four key-lines for its entire length. This ensures that the weight of the tanker is distributed evenly to the axle. The chassis is also fitted with internal reinforcement to cope with any additional stresses placed upon these high performance tankers. For improved comfort, reinforced baffles are fitted internally at staggered heights to prevent surging.



Parabolic Sprung Axle

TD-R are fitted on a parabolic high-speed tandem axle complete with rear steering. The parabolic axle is welded along the entire underside of the chassis for maximum strength. The axle is particularly suited to intensive road use as stresses and strains are transmitted along a greater distance than a conventional 'bogie' pivot. The suspension is under-slung to reduce the centre of gravity and increase stability. Axle spacings are positioned at 1,820mm to accommodate the large 30.5 wheels. 420x180 hydraulic brakes are provided with air over hydraulic an optional extra to further improve braking efficiency.





Built for Performance

TD-R are designed to work and built for performance. TD-R provides exceptional control on roads and in fields. TD-R are fitted on Alliance 750/60 R30.5 for unrivalled premium performance. High-speed load indexes and excellent flotation properties cater for the demands on these tyres.

These large 30.5 tyres improve comfort and travel, have a lower rolling resistance, and ensure that your TD-R floats behind your tractor.



ALLIANCE 885

Road 50% Field 50%

Sizes Available

30.5

750/60 R30.5 Alliance 885

Load Index

181 D



ALLIANCE 882

Road 75% Field 25%

Sizes Available

30.5

750/60 R30.5 Alliance 882

Load Index

181 D









Self-steer Axle

TD-R is fitted with self-steering for excellent manoeuvrability. The steering is set to 'free' and 'locked' via hydraulic spool. Self-steering allows for the rear axle to steer independently of the front, allowing the rear axle to follow the direction of the tractor.

The steering allows for 12 degrees of oscillation in both directions to ensure that TD-R follow effortlessly. The steering should be set to 'locked' for reversing and for all public transport.

TD-R axles are also fitted with dampeners on the rear axle to reduce strain. This allows the axle to withstand additional forces that are exerted back through the tyres on abrupt turns.



TRI-S



Three times the load

TRI-S means huge capacity spread over three axles. HiSpec offer TRI-S ranging from 4000 to 5000 gallons. Sitting on 600/50 R22.5, TRI-S distributes weight evenly over a large surface area. TRI-S use three high-speed commercial axles and, to aid manoeuvrability, the rear axle is fitted with free steering. TRI-S are ideal for use as ferry tankers, or when fitted on 26.5 will allow a more mixed application. TRI-S move larger volumes of slurry than previously imagined and allow the operator to seriously increase output.









Travel lightly, keep a large footprint

TRI-S is fitted on 600/50 R22.5 Alliance, and these allow for considerable carrying capacities on the road. These tyres have excellent self-cleaning properties and maintain a large footprint on the road for maximum control. Larger 26.5 tyres can be fitted to suit a more varied use.

Thread patterns available include Alliance 885 and 882. Alliance 885 combines the best properties of flotation and road ability to perform well on roads and fields. Alliance 882 possess a denser pattern which allows this tyre to maintain optimum grip on the road, but slightly less traction in the field.



ALLIANCE 885

Road 50% Field 50%

Sizes Available

22.5
600/50 R22.5 Alliance 885

Load Index

159 D

26.5
650/55 R26.5 Alliance 885
710/50 R26.5 Alliance 885

170 D
170 D



ALLIANCE 882

Road 75% Field 25%

Sizes Available

26.5
650/55 R26.5 Alliance 882
710/50 R26.5 Alliance 882

Load Index

170 D
172 D

Size matters, go bigger

TRI-S Tridem Axle - **S**tandard

TRI-S are particularly suited to the transportation and spreading of larger volumes of slurry. They are also widely used as ferry tankers or supplying self-propelled spreaders.

TRI-S have been designed with a large diameter barrel in order to keep the overall length of the tanker as short as possible. The tridem parabolic axle fitted with 420x180 hydraulic brakes allows for maximum comfort on roads or fields. A full-length chassis allows the laden weight of the tanker to be distributed evenly over the running gear.

TRI-S tankers incorporate a durable painted finish and can be packed full of features as needed. Where tractor power is available, then TRI-S can make a positive solution to spreading of larger volumes over a shorter period of time.





5000 TRI-3



9000 litre Jurop PN84
11000 litre Jurop PN106
14000 litre Jurop PN140

up to 2000 gallons
2300 gallons upwards
optional

Pumping Power

HiSpec use top quality Jurop pumps across our range of vacuum tanks. Designed and manufactured in a state-of-the-art factory in Italy, Jurop pumps are the fastest and most powerful available today. Each pump is assembled according to Jurop's methodical standards and is carefully tested and checked prior to despatch.

PTO driven as standard, the PN Series provide the most efficient method of filling or emptying your tank. Jurop pumps have a worldwide reputation for quality and minimal maintenance. Parts and service are available locally, and the premium build of Jurop ensures an extremely long life.

Upgrade your Jurop for maximum performance



Go safer

Hydraulically-driven pumps offer greater safety to the operator by eliminating the PTO. Increase efficiency with constant spreading through corners and filling through any angle without any damage to the pump.



Go faster

Switch between vacuum and spreading at convenience and speed. Have your tank primed for refilling before you even reach the pit with a hydraulic changeover added to your pump. The changeover also keeps the operator safely away from the PTO to avoid unnecessary risks.



Go quieter

Reduce noise levels during pump operation and provide a cleaner environment around your tank. Exhaust air is directed through a purpose built silencer to dampen sound. Excess oil is also collected within the silencer to keep your pump and yard clean.

SPREAD ANYWHERE, ANYTIME

It's raining down

HiSpec use Jurop Julia centrifugal pumps for rain-gun spreading. Centrifugal systems are ideal for spreading in wet weather or over unfavourable ground. Centrifugal pumps are gravity-fed from the tanker and rely on the rotational energy from a propellor to expel the liquid under greater pressure and speed. A hydraulically operated rain-gun can jet liquid through 360 degrees up to 50 metres. A stonetrap and wide angle PTO are provided as standard for additional pump protection.

As an optional extra, the rain-gun can pivot up and down for hard to reach places.



Juop Julia 84
Juop Julia 106
Juop Julia 140

up to 2000 gallons
2300 gallons upwards
optional



Optional up / down rain-gun





UMBILICAL SPREADING



Umbilical Pump Options

HiSpec tankers can be used in conjunction with umbilical cords to accelerate spreading. Depending on the pumping distance required, we can offer a range of centrifugal pumps to suit your umbilical setup. See page 42 for umbilical connection options.

- | | | | |
|----|--|------------------------------------|---------------------|
| 1. | Battioni GARDA | pto centrifugal / pto vacuum | 700 metres |
| | A proven pump for splashplate spreading and umbilical work up to 700 metres. PTO driven as standard, you can choose between the Battioni vacuum for filling and splashplating and the GARDA centrifugal for umbilical or rain-gun spreading. | | |
| 2. | Battioni EVO c/w DODA L35 | pto centrifugal / pto vacuum | 1,500 metres |
| | Comprises an 11,000 litre Battioni vacuum for filling and splashplate spreading, and a DODA L35 centrifugal for heavy umbilical work. Both pumps are PTO driven. Doda L35 is capable of umbilical pumping up to 1,500 metres. | | |
| 3. | Jurop Hydraulic c/w DODA L35 | pto centrifugal / hydraulic vacuum | 1,500 metres |
| | High-powered pto driven DODA L35 on the drawbar for umbilical work. Side-mounted Jurop 11,000 litre hydraulic pump for filling and splashplate spreading. Removes the need for pto for vacuuming. DODA L35 is capable of umbilical pumping up to 1,500 metres. | | |





UMBILICAL CONNECTIONS



SAFALLA

We recommend a SAFALLA for the most secure connection to your umbilical piping. SAFALLA (*Self Aligning Fully Automatic Latching & Locking Arm*) comprises of an automatic connection between your tanker and umbilical system. The SAFALLA is hydraulically lowered to a supplied non-return pod and eliminates the need to be getting in and out of the tractor, handling dirty pipes and adjusting hand-operated valves.

The SAFALLA is aligned up to the pod each time and the arm is hydraulically lowered to connect. The 4" hydraulic gate valve is then opened in sequence and pumping can commence. All of this is completed quickly and efficiently from the comfort of the cab.

4" BALL VALVE

4" ball valves can be fitted above the centrifugal pump to supply either direction. It is necessary to manually clamp your umbilical pipe to the ball valve each time unless the centrifugal pump is being used as a nursery tanker.

The 4" ball valve offers a more economical option over the SAFALLA.



LEVEL INDICATORS



3" Bubbles

100mm Sight Tube

Portholes (x3)

Know when you're full

3" sight bubbles are fitted as standard to inspect liquid level. Additional bubbles can be fitted to any position on the front or rear dish to monitor slurry levels.

A 100mm diameter full-length sight tube can be fitted to give a more accurate indicator of slurry level. The sight tube is manufactured from industrial grade perspex and fitted with a drain plug for cleaning. It is an excellent indicator of slurry level for both filling and emptying.

A set of portholes can be fitted to either the front or rear dished ends. These allow a window into the barrel at the top, middle and bottom of the dished end.

FILLING UP



Hoses and fill points

All tankers come standard with:

6" galvanised quick attach	x 1
6" blank fill point	x 3
6" x 15' reinforced suction hose	x 1
6" hose carriers	x 1

Additional quick attaches and hoses may be added as optional extras.

HiSpec uses perrot couplings and a sliding quick attach to clamp the suction hose to the tanker. The perrot fitting and sliding clamp is seen as the strongest connection available, however the suction hose needs to be aligned straighter to secure.

A 6" x 15' reinforced suction hose is supplied as standard. Hoses can also be supplied in 20' length and with the addition of double-end fittings for longer lengths. The 6" pipework is the most common size due to its ease of use and relative low weight.

Pipework is also available in 8" diameter to increase flow rate and provide improved suction with thicker slurry. The 8" will fill the tanker faster than the 6", however, the additional weight and handling of the 8" will need to be considered.

STORAGE AND CONVENIENCE



5 litre oil holder

Water and soap dispenser

Soap and Water

Keep clean as you go



A 20 litre water tank with soap dispenser allows you to keep your hands clean before getting back into the cab. Top up with fresh water as required.

A 5 litre oil drum holder can also be fitted for maintaining pump levels.

Tool Box

Keep your tools with you

Carry the tools you need to suit individual jobs. Toolbox is galvanised and lockable.



Stonetrap

Keep stones collected

A stonetrap is used for the collection of stones. Stones must pass over the trap where they are collected. The trap can be opened manually to release any build-up.



Internal Agitator

Keep it from settling

A hydraulically operated internal agitator prevents build-up of sand or sediment on the floor of the tanker. The agitator keeps the fluid in motion and runs for the entire length of the barrel.



Easy Access for Cleaning

Keep it clean

A 600mm side access manhole can be fitted to allow for easy cleaning; particularly when a low emission spreader is fitted.

Alternatively, the size of the rear manhole can be increased from 600mm to 900mm for easier access for cleaning.



4 Point Linkage

Carry any implement

Fitting a 4 point linkage to your tanker allows you to carry large applicators. The linkage is hydraulically raised or lower as needed.

The 4 point linkage is mounted on the rear with additional bracing and reinforcement placed along the chassis to counteract the added stresses from any applicator.

The 4 point linkage is extremely versatile and can carry any applicator as needed. It is also easy to remove the applicator and revert to a conventional splashplate.

Linkage brackets can be factory fitted at manufacturing stage which provides the option of simply bolting on the linkage at a later date.





BE SAFE, BE SEEN

Lighting

Be safe, be seen, light up

HiSpec tankers are fitted with one set of LED road-lights. Additional road-lights and beacons can be added to increase visibility and provide warning to other road users.

LED Road-lights

Add a second set of road-lights up high to increase visibility to other road users.



LED Flashing Beacon

A flashing amber LED beacon alerts approaching traffic.



LED Strobes

Amber pulsing strobes give advanced warning to traffic approaching from the rear.



LED Worklight

Add one or multiple LED worklights to keep the work going late into the evening or night.



Reversing Camera

Reversing or discharge cameras can be fitted for manoeuvring into difficult places and to monitor spreading.



AUTO-FILL AND TURBO-FILL

Auto-Fill

No waiting around

Our Auto-fill maximises productivity and comfort while simultaneously reducing work load. The Auto-fill requires only a single double acting valve for use. Firstly, the pump is hydraulically set to fill and this also pinches an air line at the same time. In sequence, the arm descends into the galvanised tripod to form an air-tight seal. The hydraulic gate valve is then opened and filling can commence.

The Auto-fill is available as side or centre mounted in either 6 or 8”.

Turbo-fill

Put your pump into turbo

Experience the ultimate in filling speed with an 8” Turbo-fill. The Turbo-fill is supplied in addition to the 8” Auto-fill. A hydraulically driven Turbo-fill enables higher capacities without overloading the pump. Filling time is reduced as the slurry is forced into the tank. It also helps to reduce froth levels which can occur with thick slurry.

The Turbo-fill is particularly suited to large capacity tankers where the full benefit of filling will be seen in shorter times. It can also help where the level of slurry has dropped in the pit and the pump is struggling to pull slurry up from greater depths.



LOADING AND UNLOADING

Top Filling

Sliding Top-fill

The sliding top-fill hatch opens horizontally along the top of the tanker to reduce the risk of contact with any filling implement. A hydraulic ram slides the hatch shut against steel rollers and a rubber seal to close. Galvanised finish now provided as standard.



Unloading Boom

The unloading boom is designed to feed an additional working tanker or nursery in the field. The boom is ideal where travel distances are increased and time savings are required.

There is also the added benefit of one tanker remaining in the field at all times. This prevents slurry and muck from being carried onto the road.

The unloading boom can be rotated hydraulically through 270 degrees making it possible to unload on both sides of the tanker. The boom length means that hedges can be easily bridged.

The boom is galvanised and features a drip tray to pass excess slurry neatly to the ground.









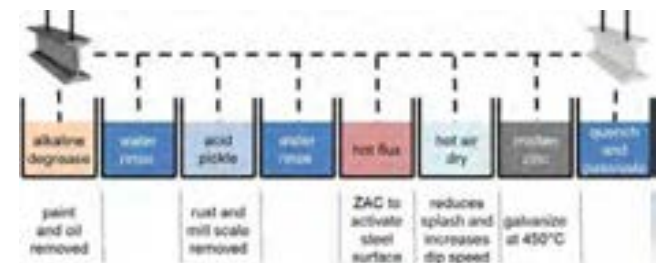
Galvanise

Stay well protected

HiSpec tanks are supremely welded to give the strongest and best built tanker on the market. In keeping with this standard, all tankers are shot-blasted prior to painting in a durable red paint to provide the perfect finish.

For maximum protection, tankers can be hot-dipped in a galvanising bath to provide anti-corrosion coating inside and out. The hot-dip galvanisation occurs at a temperature of 450 degrees. Before this hot-dip, the steel is cleaned with chemical washes so it is ready to react with molten zinc.

Zinc protects steel by forming both a physical barrier and electrochemical protection. This prevents moisture and oxygen from reaching the steel and corroding. The quality of workmanship in our slurry tanks, teamed with galvanisation, guarantees maximum protection.



SAFETY, COMFORT & CONTROL



Spoon Hitch

Smoother travel

A spoon hitch offers 90% less wear and damage than traditional towing rings. A HiSpec tanker comes standard with a 50mm ring hitch which can be upgraded to a ball and spoon coupling. The ball and spoon coupling helps eliminate shunting movement associated with traditional ring hitches.

The ball and spoon coupling ensures a perfect fit between tanker and tractor and the coupling facilitates greater comfort, safety and control.

A bolt-on ring hitch (*below*) can be fitted to the drawbar to future proof the option of a spoon at a later date.



Air Brakes

Improved stopping power

Greater road work and higher tractor speeds means braking must be a top priority when configuring your tanker. Most HiSpec tankers are fitted with a high-speed commercial axle and large 420x180 hydraulic brakes.

For additional safety and improved stopping power, air over hydraulic brakes can be fitted. A large air reservoir and load sensing relay give air brakes a crisp and immediate braking.



Forced Steering

Follow the tractor

Fitted with the spoon hitch, the option of forced steering maximises control and comfort. The operator does not need to worry about locking or unlocking the steering.

The extension and retraction of the steering ram on the drawbar controls the direction of the rear wheels. Overall tyre wear is reduced as dragging is lessened on the rear tyres. It is also easier to reverse the tanker as the rear wheels do not need to be 'locked' out.



Central Grease Bank

Maintenance made easy

Suitable for tandem and triple axle tankers, all grease points are routed back to an easily accessible central bank. The operator can easily apply grease to the axle to extend life and reduce maintenance time.



Electric Switch Controls

Everything at your fingertips

Control tanker functions through a customised electric switch box. All hydraulic functions and lights can be wired direct to the switch box to ensure you are in full control at all times.

The switch box provides the operator with instant control and reduces the number of hydraulic spool connections to the tractor.

The electric switch box is load sensing and can be ideal where a large number of hydraulic functions are required.



Flow Metering

Krohne Flow Meter

The Krohne Flow meter is attached to the outlet between tanker and applicator. As the slurry passes through the meter, it can record useful information including volume, application rates etc and display this information on the in-cab slurry monitor.

Tanlake DD Slurry Monitor

This is a comprehensive in-cab monitor which reads information from the flow meter and displays it using a number of read-out options.

The information can be downloaded against a specific customer or field reference. This information includes flow rate (M³/hr), application rates, forward speed, area covered, time and date.

SA-S



Model	Standard Tyre
800 SA-S	15 x 22.5
1150 SA-S	15 x 22.5
1350 SA-S	550/60- 22.5
1600 SA-S	550/60- 22.5
2000 SA-S	560/60 R22.5



15 x 22.5

550/60 - 22.5

21.3 x 24

560/60 R22.5

385 (15") 1080 (42")

550 (22") 1234 (49")

540 (21") 1400 (55")

543 (21") 1244 (49")



15 x 22.5 tyres are particularly suitable for smaller machines. Their width 385mm is ideal for loads around small farm yards or hard surfaces.

15 x 22.5 offers long wear resistance but limited flotation.

Load Index 154 A8

550/60 - 22.5 tyres are designed for carrying high loads at low pressure, reducing soil compaction and preventing damage.

The most common choice of tyre for SA-S as the large overall width helps spread the load over a greater area.

Load Index 155 A8

Non-recessed 21.3 x 24 can be fitted to provide improved grip on sloped ground. The tractor grip helps to prevent the tanker from sliding on inclines. These tyres are also larger in diameter and provide lowest rolling resistance.

Load Index 161 D

560/60 R22.5 is the ideal multi-purpose tyre for use on roads or fields. The higher carrying capacity means this tyre is fitted standard on the 2000 SA-S model.

The high-load index ensures this tyre is suitable to intense road use or more industrial applications.

SA-R



Model	Standard Tyre
1350 SA-R	750/70 R26 Alliance
1600 SA-R	750/70 R26 Alliance
2000 SA-R	750/70 R26 Alliance
2300 SA-R	750/70 R26 Alliance
2600 SA-R	800/65 R32 Alliance
3000 SA-R	750/60 R30.5 Alliance



750/70 R26 Alliance	800/65 R32 Alliance	750/60 R30.5 Alliance
750 (29") 1780 (70")	800 (31") 1850 (73")	767 (30") 1680 (66")
<p>Load Index 158 A8</p> <p>Alliance 750/70 R26 is a wide base radial tyre developed for field and hauling applications. The large footprint area reduces average ground pressure, minimises soil compaction and increases flotation abilities.</p> <p>Ideal for farmers and tractor speeds under 40 km/h.</p>	<p>Load Index 181 A8</p> <p>Alliance 800/65 R32 is an extra wide base radial tyre for higher capacities. Low angled lugs at the shoulders improve traction, while higher centres improve ride comfort. Load index of 181 A8 translates to 8,250kgs per tyre at 40km/h.</p> <p>Recommended for contractors and tractors capable of 50 km/h.</p>	<p>Load Index 181 D</p> <p>750/60 R30.5 Alliance 885 is a new generation tyre with a high load carrying capacity, working speed and superior distribution of pressure on the surface. Lower rolling resistance enhances fuel efficiency.</p> <p>Load index of 181 D ensures each tyre is capable of 8,250 kgs at 65 km/h.</p>



TD-S



Model	Standard Tyre
2000 TD-S	560/60 R22.5 Alliance
2600 TD-S	560/60 R22.5 Alliance
3000 TD-S	560/60 R22.5 Alliance
3500 TD-S	560/60 R22.5 Alliance
4000 TD-S	560/60 R22.5 Alliance



560/60 R22.5 Alliance 885

560/60 R22.5 Alliance 882

**650/55 R26.5 Alliance 885
710/50 R26.5 Alliance 885**

**650/55 R26.5 Alliance 882
710/50 R26.5 Alliance 882**

555 (22") 1230 (48")

565 (22") 1244 (49")

648 (26") 1380 (54")
732 (29") 1400 (55")

645 (25") 1389 (55")
727 (29") 1383 (55")

Load Index 164 D

Alliance 885 is a new generation tyre with a high load carrying capacity, working speed and superior distribution of pressure on the surface. Lower rolling resistance enhances fuel efficiency. Thread pattern 885 is suited to mixed road and field use.

Load index of 164 D equates to 5,000 kgs at 65 km/h.

Load Index 165 D

Alliance 882 combines the best characteristics of flotation and radial construction to provide a superior performance on roads applications. Designed for 75% road use, the 882 pattern places more tyre on the road surface for improved grip and control. Ideal for road performance.

Load Index 170 D

Alliance 885 is a new generation tyre with a high load carrying capacity, working speed and superior distribution of pressure on the surface. Lower rolling resistance enhances fuel efficiency.

Top performance tyre suitable for 6,000 kgs per tyre at speeds up to 65 km/h.

Load Index 170 D / 172 D

Alliance 882 combines the best characteristics of flotation and radial construction to provide a superior performance on road applications.

Ideal for high-performance on the road. These tyres are non-recessed but provide low rolling resistance and high wear. 710/50 R26.5 are seen as the top choice for their higher index and greater footprint.



TD-R



Model	Standard Tyre
3000 TD-R	750/60 R30.5 Alliance
3500 TD-R	750/60 R30.5 Alliance
4000 TD-R	750/60 R30.5 Alliance



750/60 R30.5 Alliance 885	750/60 R30.5 Alliance 882
750 (30") 1675 (66")	754 (30") 1675 (66")
<p>Load Index 181 D</p> <p>Alliance 750/60 R30.5 885 is a high performance tyre capable of carrying 8,250 kgs per tyre up to 65 km/h. Their unrivalled strength and performance means TD-R is a tanker without limits. 885 has a superior distribution of pressure on the surface for field applications.</p>	<p>Load Index 181 D</p> <p>Alliance 882 is designed for road ability as it allows more tyre surface in contact with the road. A load index of 181 D ensures TD-R float effortlessly behind your tractor.</p>

TRI-S



Model	Standard Tyre
4000 TRI-S	600/50 R22.5 Alliance
4500 TRI-S	600/50 R22.5 Alliance
5000 TRI-S	600/50 R22.5 Alliance



600/50 R22.5 Alliance 885	650/55 R26.5 Alliance 885 710/50 R26.5 Alliance 885	650/55 R26.5 Alliance 882 710/50 R26.5 Alliance 882
606 (24") 1172 (46")	648 (26") 1380 (54") 732 (29") 1400 (55")	645 (25") 1389 (55") 727 (29") 1383 (55")
<p>Load Index 159 D</p> <p>Alliance 600/50 R22.5 provide a large foot-print for TRI-S. Designed for a varied application the 885 is suitable for everyday mixed use on roads and fields.</p>	<p>Load Index 170 D</p> <p>Alliance R26.5 885 offers higher carrying capacity than the R22.5s. A higher load carrying capacity, working speed and superior distribution of pressure ensures lower rolling resistance and fuel efficiency.</p>	<p>Load Index 170 D / 172 D</p> <p>Alliance R26.5 882 combines a high load index and superior grip to outperform other options on the road. Load indexes of 170/172 D equates to a carrying capacity of 6000/6300 kgs up to 65 km/h.</p> <p>Ideal for road performance.</p>



WHICH APPLICATOR TO CHOOSE?

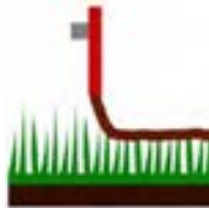
N - Nitrogen
P - Phosphate
K - Potassium

Fertiliser value of slurry

With a continued shift towards farm modernisation and a drive towards lowering pollution levels, farmers are turning towards low emission spreaders to apply slurry on their farms. The application of slurry via these methods are also focussed towards improving overall water quality through the Nitrates Directives. Slurry is seen as a reliable, available organic fertiliser with added value to the farm, so its vital that it is used as efficiently as possible to reduce artificial inputs. Slurry if applied by dribble bar, trailing shoe or injection will be worth approximately 3 units more N per 1,000 gallons than a conventional splashplate. Slurry contains the main nutrients NPK that are essential for plant growth, with 1,000 gallons of undiluted cattle slurry equivalent to a 50kg bag of 5-5-30 fertiliser.

DRIBBLE BAR

Dribbled above ground



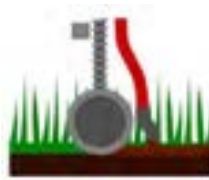
TRAILING SHOE

'Active Pressure' on the ground



DISC INJECTOR

Injected into the ground



Slurry is dribbled on the ground via specially designed boots or hose. This will dribble slurry without contact with the ground.

Slurry is applied to the ground through a spring loaded leg. The spring is designed to create 'active pressure' on the ground at all times. This serves two purposes. Firstly, it opens the soil for increased nutrient uptake, and secondly to reduce contamination.

Slurry is injected deep into the ground via a cutting disc. Maximum nutrient uptake and reduced nitrogen loss is provided by direct placement of the slurry. Evaporation and odour is also reduced by subsequent grass covering.



AGQUIP FARMER DRIBBLE BAR

AgQuip Farmer Dribble Bar

The 7.2 metre AgQuip farmer dribble bar uses innovative rubber boots for more precise distribution of slurry. These boots help to lower splashing from the dribble bar and reduce contamination.

The AgQuip farmer dribble bar hangs on a special A-frame rear door. The A-frame allows the dribble bar to be removed easily if required. The lower half of the dribble bar uses a unique pivoting feature to allow the boots to follow ground contours. During folding, these sections are lifted clear via chains for transportation. The Agquip dribble bar uses a Vogelsang Exacut for distribution.

Vogelsang ExaCut

The Vogelsang ExaCut is a precision distributor that uses a central rotor to chop and distribute in one step. The rotating action helps to shear any fibrous material, and an integrated stonetrapp collects heavy debris. The ExaCut is designed to rotate in either direction to prevent clogging and reduce wear.

AGQUIP ECO DRIBBLE HOSE



AgQuip ECO Dribble Hose

The 7 metre AgQuip ECO dribble hose is easily retrofitted to existing HiSpec tankers without any additional brackets. It requires just one additional spool valve. The dribble hose uses lay-flat hosing to distribute the slurry onto the ground. The lay-flat hosing has the benefit on clearing uneven ground easily.

The AgQuip dribble hose has a butterfly span to ensure that maximum ground clearance is achieved. The butterfly wings are shear-pin protected to give the additional comfort while operating. The splashplate is also fitted for normal use.

AgQuip Macerator

The AgQuip ECO dribble hose uses an in-house AgQuip macerator to distribute the slurry. The macerator is tried and tested to tough Irish conditions. It features an integrated stonetrapp for heavy debris. Hydraulically driven, it can be rotated in both directions to ensure even wear. Inspection of the macerator is extremely quick with just four clamp fittings to open for routine maintenance.



HISPEC TRAILING SHOE



HiSpec Trail-S

HiSpec is now offering an in-house trailing shoe solution to complement our tanker range. The HiSpec Trail-S is available in 6, 7.5 and 9 metre working widths. The Trail-S features a robust chassis mounted mast. The mast ensures that the shoe is properly supported to the tanker. The axle is also moved back to ensure the tanker is perfectly balanced. The Trail-S uses individual spring legs and hardened coulters to part the grass and open the surface of the soil in one pass.

Sprung coulters to part the grass

The Trail-S features individually sprung legs with toughened coulters to gently part the grass and open up the soil. The downward pressure applied to the legs ensures that the coulter is in constant contact with the ground. This contact is essential to create the optimum channel for nutrient uptake. The trailing rubber boot then deposits the slurry directly into the open channel to reduce contamination. Once spreading is complete, the parted grass comes together again, minimising evaporation and saving on fertiliser.



The HiSpec Trail-S features a number of unique features. The 7.5 and 9 metre trailing shoes fold down to reduce overall height. This folding is synchronised with the arms and ensures that the shoe does not project above the tanker barrel. The HiSpec trailing shoe can also be used as a dribble bar, without any contact with the ground if required. There is also the ability to use either fill point behind the shoe, or the splashplate any alterations.

The 9 metre Trail-S will also feature a unique hydraulic self-levelling, whereby each arm of the trailing shoe will lift as it passes over a side incline. This ensures that the shoe is working perfectly over its entire width and that pressure on the boots is distributed evenly.



Vogelsang ExaCut

The Trail-S use a german made Vogelsang ExaCut for distribution. The Vogelsang ExaCut is a precision distributor that uses a central rotor to chop and distribute in one step. The rotating action helps to shear any fibrous material, and maintain even wear.

The Trail-S uses two spools for operation. One spool is used to fold and unfold the arms. This spool is then switched over to run the ExaCut.

The second spool is used to lift and lower the legs. This determines the pressure created on the spring legs to the ground. It is also possible to operate the Trail-S as a dribble bar without any downward pressure.

A separate spool is used for splashplating with no alterations needed to the shoe.





Folding Ends

The 7.5 and 9 metre HiSpec Trail-S fold away nicely. Both shoes feature unique folding to reduce overall height. This reduced height means safer travel on roads and freer movement on farms. The Trail-S can be reversed under lower roofs than competitors' models.

Side Incline

The 9 metre Trail-S features a unique side incline lift. As the outer arms pass over an incline, a large amount of pressure is placed on the outer legs. This excess pressure is now diverted to an accumulator which allows the arm to lift for protection and ensure even distribution across the entire shoe.

Integrated Stonetrap

The Trail-S is fitted with an integrated stonetrap. Slurry exits the tanker from the side of the manhole where it passes directly into the ExaCut. Stones and heavy debris then fall into the trap where they can be easily removed.

Splashplate

A splashplate is also included with all Trail-S. The splashplate is fixed as normal operating height and fed directly from the manhole. This ensures that the feed is maintained at 6" and avoids restrictions. Simply select the separate pool at the tractor to splashplate.



Bomech Trailing Shoe

Dutch manufacturer Bomech has earned a reputation as a trailing shoe specialist. A Bomech trailing shoe will deliver one of the most efficient uses of slurry. Tempered steel shoes gently part the grass sideways and create a uniform channel for the slurry. A trailing rubber boot then deposits the slurry directly into this channel underneath the grass.

The creation of this channel allows the slurry to be absorbed faster and avoids grass contamination. Bomech technology with 'active constant pressure' of at least 6-10 kg per shoe provides optimal channel creation. Once spreading is complete, the parted grass comes together again, minimising evaporation and saving on fertiliser.

HiSpec offer Bomech Trailing Shoes from 10.5 up to 30 metres. These shoes fold up and over the mudguards for transportation. The combination of automatic level adjustment and individual trailing shoe suspension allows the Bomech to adjust to even the most difficult landscape conditions. Despite the wide working widths, there is little traction required to move the machines due to their advanced engineering and relative low weights.

Bomech Alrena

Bomech has developed a new Alrena distributor which produces the lowest variation in the distribution of slurry, currently less than 2.5%. The Alrena works with cutting discs which pass over the outlets. The cutting blades are pretensioned against the cutting screens via internal springs. The springs ensure that the blade is always kept sharp.

The Alrena is driven via hydraulic motor with a low oil demand. The direction of the distributor is changed automatically on headlands, and this helps to use all edges of the blades. This new Alrena distributor produces less wear internally so maintenance costs are reduced.

The Alrena comes with an integrated stone sump to protect the rotating blades from damage. Two inspection hatches are provided for routine maintenance.









Vogelsang Dribble Bars are available from 9 to 36 metres. Vogelsang have been developing dribble bars for more than 30 years. The SwingUp series offers dribble bars from 9 to 18 metres, while the Swing-Max offers dribble bars ranging from 18 to 36 metres.

If liquid manure is spread close to the ground where it is unaffected by the wind, a significantly higher proportion of the nutrients reach the crop. Compared to conventional splashplate, nutrient emissions are reduced considerably.

Using Vogelang means less inorganic fertiliser. To reduce operating costs further, Vogelsang have a bar to suit your tramline or working width. The extraordinary precision of liquid manure spreading with Vogelsang dribble bar systems helps to ensure even growth and a uniform ripening for crops.



Vogelsang Rotacut Inlet Chopper

Chop as you fill

The Vogelsang Rotacut is fitted to a standard 6" quick attach. The Rotacut is hydraulically driven via constant pumping on a tractor spool. As the tanker is filling, the Rotacut macerates fibres against a mesh cutting screen. This mesh cutting screen prohibits the passage of stones or large lumps into the tanker.

The Rotacut can be driven in both directions to ensure even wear. As a result, the blades and screen are always in contact and you benefit from optimal cutting performance. This also helps reduce power consumption as the screen and blades are kept sharp.

The front of the Rotacut features a 2" perspex sight bubble to monitor filling. The front compartment also acts as a sump for stones, which can be easily removed, when the Rotacut is switched off.



Vogelsang are at the forefront of macerator production through their innovation and progress over the last 90 years. Today, Vogelsang develop, manufacture and distribute some of the most innovative and reliable macerators for use in the agricultural sector. Vogelsang's newest development to their growing portfolio of ExaCut distributors is the ECQ. Featuring 50% longer service life, 50% less power consumption, even more exact distribution, the ECQ is a service sensation with unbeatable distribution accuracy.



Vogelsang ECQ Distributor

The ECQ is a new precision distributor from Vogelsang. The ECQ cutting rotor is now removable directly through the inspection plate making maintenance faster and easier than ever before.

The ECQ is hydraulically driven with a low oil requirement. In addition, all ECQs are equipped with a stone separator so stones are easily collected and removed.



Cutting

The optimised ECQ rotor with tri-lobe design reduces the contact surface and the friction resistance in the distributor, reducing strain on the cutting blades. Eccentric adjuster tensioning is also now possible without special tools. Lastly, wider inlets and orifice diameters reduce pressure loss and therefore less power consumption of the vacuum pump.



Service

The reduced strain on the cutting blades has enabled the service life to be extended by 50%, while simultaneously improving cutting performance and distribution. QuickService allows the ECQ cutting rotor to be removed directly through the inspection plate making maintenance faster and easier than ever before.



Quality

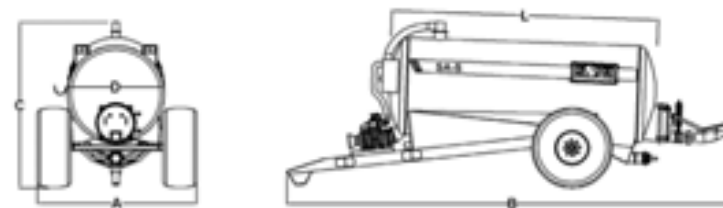
The ECQ is german made from Vogelsang and features the quality one would associate with german goods. Vogelsang has a wealth of experience through 90 years of innovation across a range of sectors including agriculture, industry, wastewater and biogas.

TECHNICAL

SA-S

Standard Specification includes:

50mm ring hitch, parking brake, 9000 litre Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, hydraulic brakes, LED road-lights (x1), 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



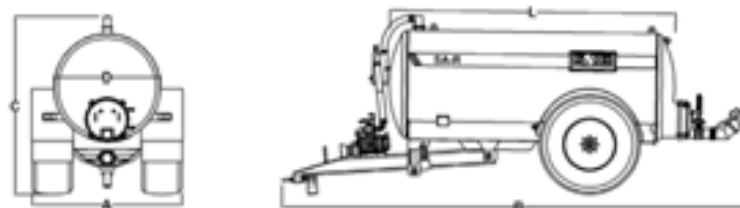
Model	Standard Tyre	Axle Size	Brake Size	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
800 SA-S	15 x 22.5	80 x 80	300 x 90	9000	2260	5540	2360	1372 (54")	2500	1690	3660
1150 SA-S	15 x 22.5	80 x 80	300 x 90	9000	2260	6295	2450	1372 (54")	3050	1800	5228
1350 SA-S	550/60- 22.5	80 x 80	300 x 90	9000	2550	6425	2550	1524 (60")	3080	2000	6319
1600 SA-S	550/60- 22.5	80 x 80	300 x 90	9000	2550	7245	2650	1524 (60")	3660	2275	7501
2000 SA-S	560/60 R22.5	100 x 100	400 x 80	9000	2560	7305	3020	1740 (68")	3660	2500	9547

Please note that brand of tyre supplied may vary according to availability at time of manufacture.
Mudguards standard from 1350 SA-S upwards

SA-R

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, commercial axle, 420x180 hydraulic brakes, LED road-lights (x1), built-in round mudguards, 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.

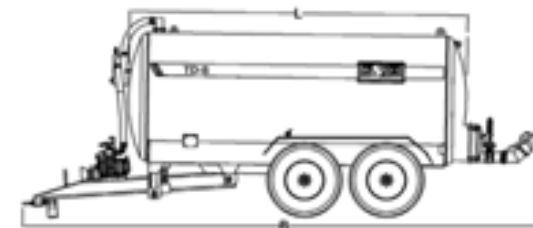


Model	Standard Tyre	Axle	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
1350 SA-R	750/70 R26 Alliance	Stepped	150 x150	420 x 180	Yes	9000	2580	6425	2820	1524 (60")	3670	3000	6137
1600 SA-R	750/70 R26 Alliance	Stepped	150 x 150	420 x 180	Yes	9000	2580	7245	2820	1524 (60")	4250	3300	7273
2000 SA-R	750/70 R26 Alliance	Stepped	150 x 150	420 x 180	Yes	9000	2580	7305	2950	1740 (68")	4250	3680	9183
2300 SA-R	750/70 R26 Alliance	Stepped	150 x 150	420 x 180	Yes	11000	2580	7245	3050	1866 (73")	4300	3900	10547
2600 SA-R	800/65 R32 Alliance	Straight	150 x 150	420 x 180	Yes	11000	2630	8145	3050	1866 (73")	4910	4800	11593
3000 SA-R	750/60 R30.5 Alliance	Straight	150 x 150	420 x 200	Yes	11000	2600	8775	3100	1866 (73")	5540	5000	13784

TD-S

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, parabolic tandem commercial axle, 420x180 hydraulic brakes, 560/60 R22.5 tyres, LED road-lights (x1), 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



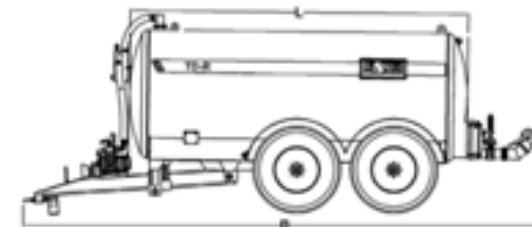
Model	Standard Tyre	Steering	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
2000 TD-S	560/60 R22.5	No	2 x 127	420 x 180	Yes	9000	2660	7305	2850	1740 (68")	4230	5350	9547
2600 TD-S	560/60 R22.5	Rear	2 x 127	420 x 180	Yes	11000	2660	8145	3200	1866 (73")	4910	5650	11819
3000 TD-S	560/60 R22.5	Rear	2 x 150	420 x 180	Yes	11000	2660	8775	3200	1866 (73")	5540	6050	13638
3500 TD-S	560/60 R22.5	Rear	2 x 150	420 x 180	Yes	11000	2660	8915	3200	1866 (73")	6060	6350	15911
4000 TD-S	560/60 R22.5	Rear	2 x 150	420 x 180	Yes	11000	2660	8915	3350	1993 (78")	6060	6700	18185

Please note that brand of tyre supplied may vary according to availability at time of manufacture.

TD-R

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, 11000 litre Jurop pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, parabolic tandem commercial axle c/w rear steering, 420x180 hydraulic brakes, 750/60 R30.5 tyres, LED road-lights (x1), 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



Model	Standard Tyre	Steering	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
3000 TD-R	750/60 R30.5	Rear	2 x 150	420 x 180	Yes	11000	2850	8775	3200	1886 (73")	5180	7700	13638
3500 TD-R	750/60 R30.5	Rear	2 x 150	420 x 180	Yes	11000	2850	9575	3200	1866 (73")	5600	8100	15911
4000 TD-R	750/60 R30.5	Rear	2 x 150	420 x 180	Yes	11000	2850	9575	3350	1993 (78")	5600	8500	18185

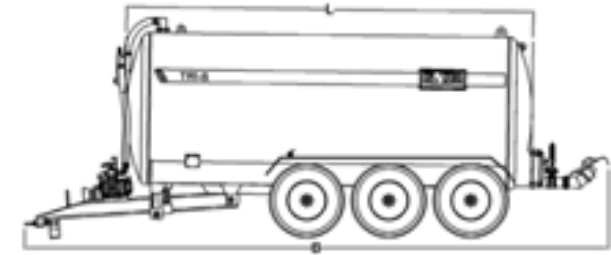
Please note that brand of tyre supplied may vary according to availability at time of manufacture.

TECHNICAL

TRI-S

Standard Specification includes:

50mm swivel ring hitch, sprung drawbar, parking brake, 11000 litre Jurup pump, PTO, manual pump changeover, protection shut off syphon, 6mm steel barrel, anti-implosion rings, internal baffles, 3" sight bubbles (x2), 6" galvanised quick attach (x1), 6" blanked fill point (x3), 6" hose carriers (1 side), 6" x 15' reinforced suction hose, tridem commercial axle c/w rear steering, 420x180 hydraulic brakes, LED road-lights (x1), mudguards, 600mm galvanised hinged rear door, low trajectory splashplate, 2" wash-down adaptor, HiSpec red paint finish.



Model	Standard Tyre	Steering	Axle Size	Brake Size	Commercial	Pump	Width A	Length B	Height C	Diameter D	Length L	Unladen kg	Litres
4000 TRI-S	600/50 R22.5	Rear	3 x 150	420 x 180	Yes	11000	2710	8260	3400	2133 (84")	6160	7750	18185
4500 TRI-S	600/50 R22.5	Rear	3 x 150	420 x 180	Yes	11000	2710	8500	3400	2133 (84")	6410	7980	20457
5000 TRI-S	600/50 R22.5	Rear	3 x 150	420 x 180	Yes	11000	2710	8750	3400	2133 (84")	6660	8250	22730

Please note that brand of tyre supplied may vary according to availability at time of manufacture.

SALES AND SERVICE



SALES

Your nearest HiSpec dealer is just a **click** away!!!. Visit www.hispec.net for dealer locations.

PARTS AND SUPPORT

Ensure your HiSpec tanker performs to its maximum with genuine HiSpec parts. The HiSpec dealer network ensures you have all the parts to keep you working.



TRAIL-S

Standard Specification includes:

Vogelsang ExaCut distributor, 40mm flexible hose, individual spring steel legs c/w toughened couler, active ground pressure, long life rubber trailing boot, galvanised steel frame c/w folding ends, galvanised light bar c/w LED road-lights, chassis mounted fixed mast, integrated stonetrap, splashplate, 6" blanked fill points (x2), electric divertor switch (folding & distributor).

9 metre additional spec (hydraulic accumulator side incline suspension)



Folded



Working

Model	Working Width	Outlets	Distance	Distributor	Stonetrap	Folding Ends	Transport Width	Hydraulic Incline Suspension	Controls	Unladen kg	Galvanise
6.0 TRAIL-S	6 metres	24	25 cm	Vogelsang	Integrated	N/A	2550	N/A	2 Spools	700	Yes
7.5 TRAIL-S	7.5 metres	30	25 cm	Vogelsang	Integrated	Yes	2550	N/A	2 Spools	850	Yes
9.0 TRAIL-S	9 metres	36	25 cm	Vogelsang	Integrated	Yes	2550	Yes, both side arms	2 Spools	1,000	Yes

GET IN TOUCH



HiSpec is always striving to improve our products and we would love to hear your comments and receive your photographs of products in action through our social media pages.



HiSpec Engineering Ltd
 Station Road
 Bagenalstown
 Co. Carlow
 R21 E038
 Ireland

+353 (0) 59 97 21929

www.hispec.net

sales@hispec.net





HiSpec believes the specification in this brochure to be correct at the time of printing. However, specifications, standard equipment and options are subject to change without notice. Some equipment may be unavailable at time of manufacture. Please ask your dealer for advice concerning current availability of standard and optional equipment, and your dealer will verify that your tanker will include the equipment you ordered. All images in this brochure may be shown with optional equipment.

Authorised Dealer Stamp

