

**Agrometer**



# ***MACHINERYCATALOGUE***

*FOR THE FUTURE OF SLURRY SOLUTIONS*

## ***THE HEART OF YOUR AGROMETER SOLUTION***

The APV 250 and APV 350 are complete pump units equipped with a cleaning function. These pumps are designed to consistently deliver vast quantities across long distances.

The pump unit is the cornerstone of your Agrometer solution. It enables continuous slurry spreading in the field, eliminating the need for road transportation of slurry. You can pump directly to an SDS or SRS spreader. With the addition of an extra controller, it can also be used to fill a nurse tank by the field, transport slurry from one location to another, or for continuous spreading with third-party drag hose systems.



The APV can be used with slurry tanks, lagoons, nurse tanks, and more. The maximum tank depth is 5 meters, while the maximum height of the slurry tank/nurse tank is 4 meters above ground level.

With the cleaning function, you avoid leaving “slurry puddles” when disconnecting the hoses. The cleaning function consists of a 2,150-liter water tank, a compressor, and a foam ball. Before disconnecting the hoses, water is pumped through them for cleaning. Subsequently, the foam rubber ball is blown through the system to ensure that hoses and pipes are completely clean before disconnection.

The pump units can be remotely controlled from the spreader or tractor.

## APV 250

### APV 250 – THE STANDARD EDITION COVERING MOST NEEDS

The APV 250 has been used for many years as a reliable solution for supplying both SDS and SRS spreaders, as well as for transport tasks or supplying third-party spreaders.

The pump unit is powered by a 251 HP John Deere

engine and a Bauer SX2000 pump, delivering a performance of up to 250 m<sup>3</sup>/hour @ 12 bar (outlet pressure).

The APV 250 has manual switching between pump and cleaning functions.

## APV 350

### APV 350 – FOR THOSE SEEKING EXTRA POWER AND CAPACITY

The APV 350 is designed for those requiring additional capacity for particularly demanding tasks and who only want to work with the very best equipment.

Fundamentally designed like the APV 250, it is equipped with an even more powerful 300 HP John Deere engine and a highly durable Cornell 4NHTB pump, delivering up to 350 m<sup>3</sup>/hour @ 12 bar (outlet pressure).

Additionally, the APV 350 features remote-controlled switching between pump and cleaning functions. This means there's no need to turn off the engine when switching between pump and compressor, and the driver doesn't have to walk the long distance between the spreader and pump unit every time a switch is made.

#### EXCERPT FROM TECH DATA APV 250:

Weight excl. fuel:	ca. 8,500 kg
Engine:	John Deere Powertech 6068 – 251 HP / 188 kW
Fuel capacity:	1000 l
AdBlue capacity:	56 l
Airflow compressor:	11.000 l/min
Tires:	Michelin 340/65 R18
Transportation speed:	Max. 30 km/h

#### EXCERPT FROM TECH DATA APV 350:

Weight excl. fuel:	ca. 9,000 kg
Engine:	John Deere Powertech 6068 – 278 HP / 208 kW
Fuel capacity:	1000 l
AdBlue capacity:	56 l
Airflow compressor:	11.000 l/min
Tires:	Michelin 340/65 R18
Transportation speed:	Max. 30 km/h



## THE BASIC PUMPING SOLUTION

The DP 250 is the essential pump unit, reliably delivering vast quantities of slurry across long distances. It facilitates continuous slurry spreading in the field, eliminating the need for road transportation of slurry.

You can pump directly to an SDS 8000 or SRS spreader. With the addition of a controller, it can also be used to fill a nurse tank by the field, transport slurry from one location to another, or for continuous spreading with third-party drag hose systems.

The DP 250 can be used with slurry tanks, lagoons, nurse tanks, and more. The maximum tank depth is 5 meters, while the maximum height of the slurry tank/nurse tank is 4 meters above ground level.

Powered by a 251 HP John Deere engine and a Bauer SX2000 pump, the DP 250 delivers a performance of up to 250 m<sup>3</sup>/hour @ 12 bar (outlet pressure).

The pump unit can be remotely controlled from the spreader or tractor.



### EXCERPT FROM TECH DATA DP 250:

Weight excl. fuel:	ca. 4,900 kg
Engine:	John Deere Powertech 6068 - 251 HP / 188 kW
Fuel capacity:	1200 l
AdBlue capacity:	56 l
Tires:	Michelin 340/65 R18
Transportation speed:	30 km/h

## WHEN FAR AWAY ISN'T FAR ENOUGH

If you need to boost your pressure, increase the flow, or the distance, you can add an intermediate pump to your system. Both the MP 250 and LP 250 are fully integrable with the DP and APV pump trolleys. Both models are powered by a 251 HP John Deere engine and a Bauer SX2000 centrifugal pump, delivering up to 250 m<sup>3</sup>/hour.

Using intermediate pumps, you can double your pumping distance, giving you an accessible spreading area that's up to 300% larger (compared to using only one pump trolley).

The MP 250 is a towed pump trolley with a single wheel axle. It can be managed by a relatively small

tractor and offers quick and easy connection and disconnection. The MP 250 also features a bypass function, allowing a cleaning ball (from APV pump trolleys) to bypass the slurry pump during hose cleaning.

The LP 250 has four support legs and is therefore transported in the tractor's lift. This is especially advantageous when there's a need to place the pump trolley in a more inaccessible location. Likewise, the LP 250 is also very suitable for use where terrain and soil conditions can make it challenging to operate with towed pump trolleys because the weight from the LP 250 is transferred to the tractor's large wheels.



### EXCERPT FROM TECH DATA MP 250:

<b>Weight excl. fuel:</b>	ca. 3,920 kg
<b>Engine:</b>	John Deere Powertech 6068 – 251 HP / 188 kW
<b>Fuel capacity:</b>	1200 l
<b>AdBlue capacity:</b>	56 l
<b>Tires:</b>	Michelin 340/65 R18
<b>Transportation speed:</b>	30 km/h



### EXCERPT FROM TECH DATA LP 250:

<b>Weight excl. fuel:</b>	ca. 3,150 kg
<b>Engine:</b>	John Deere Powertech 6068 – 251 HP / 188 kW
<b>Fuel capacity:</b>	700 l
<b>AdBlue capacity:</b>	56 l

## **PUMP UNIT OPTIONS**

You can choose various options that tailor the pump units specifically to your tasks:

### ➤ **Remote Control Switch between Pumping and Cleaning**

*Only for APV 250*

For the APV 250, when switching between pumping and cleaning, it's necessary to turn off the engine before manually making the switch.

By purchasing the remote-controlled gearbox, this step is eliminated, allowing the entire process to be managed directly from the spreader, similarly to the APV 350.

### ➤ **Additional Water Supply**

*Only for APV*

When pumping very thick slurry, you can opt to add water to reduce its viscosity. The added water volume is measured and can be read, ensuring that the spreaded amount of slurry is documented.

### ➤ **Ethernet Repeater Station**

In areas where radio communication might be challenging, using a repeater station helps stabilize the communication between the pump unit and the receiver. The mobile repeater can be strategically placed between the units, serving as an additional communication point.

An ethernet repeater is also a good alternative when poor coverage on the telecom network makes the use of GSM communication unreliable.

### ➤ **12 m Telescopic Antenna**

In hilly terrains and areas with poor signal conditions, the telescopic antenna enhances radio communication. Improved radio communication boosts efficiency as the risk of automatic shutdown is reduced.







## EFFICIENT AND SWIFT HANDLING OF SUPPLY HOSES

The HR 1000 hose reeler offers a rapid and straightforward method for managing supply hoses between the pump unit and the spreader. Laying out and winding up is hydraulically operated while driving the tractor. This eliminates dragging hoses across the ground, thus extending their lifespan. The hose is wound up in one piece without detaching the couplings.

The hose reeler can be mounted in both front and rear lifts, allowing you to carry up to 2,000 m of hose with a single tractor. When ordering, you need to specify if the hose reel should be equipped with front or rear lights.



### EXCERPT FROM TECH DATA HR 1000:

<b>Weight:</b>	ca. 2,580 kg
<b>Hose capacity including couplings:</b>	6" - 5 x 200 m 6" - 8 x 100 m 8" - 3 x 200 m
<b>Lift requirements, front:</b>	1 x double acting hydraulic outlet, extra socket for front lights
<b>Lift requirements, rear:</b>	1 x double acting hydraulic outlet



## ***PLACE THE HOSE PRECISELY WHERE YOU WANT***

When laying out the hose, its placement will vary within the width of the hose reel, depending on how the windings are positioned on the reel.

In many cases, it's beneficial to precisely determine where the hose is placed during deployment.

This can be especially useful when laying out in areas frequented by other traffic, where you'd want the hose to be off to the side and not in the way. Or when deploying in crops, positioning the hose in the tractor's track minimizes crop damage.

This is easily achieved with the FC 400 hose guide, which is mounted directly in the lift between the tractor and the HR 1000 hose reel. The hose guide is hydraulically operated from the cab, making it easy to position the hose exactly where you want.



### **EVEN DISTRIBUTION ON THE REELER**

During winding, it's used as a hose guide, ensuring a better and more evenly distributed winding on the reeler.

This also significantly reduces footprints on the field, as you stay in the tramline and don't need to maneuver the tractor to distribute the hose evenly on the reeler. Additionally, winding becomes faster.



## THE LIGHTEST SPREADING METHOD

The SDS 8000 is the 5th generation of the renowned self-propelled Agrometer spreader. Developed over more than 25 years, it's now equipped with numerous features ensuring optimal spreading, easy operation, and high reliability.

During operation, the SDS 8000 has a total weight of max. 28 tons. The 225 HP John Deere engine ensures smooth operation, even under challenging conditions.

The spreader features a 36m dribble bar, adjustable to 24m or 30m working width. Both the right and left wings can be hydraulically shut off. The distance between trailing hoses is 30cm.

With a 5" machine hose, the spreader has a working length of 550 meters, which can be extended to 600m with a 4½" machine hose.

The machine is equipped with an electronic/hydraulic hose guide, allowing in-cab adjustments to the hose reel if necessary. Mounted cameras also allow monitoring of the hose reel from the cabin.

Central lubrication ensures the machine is always well-lubricated, increasing uptime and extending the lifespan of wear parts. If a crane arm is chosen, it's also equipped with central lubrication.

An efficient shut-off valve allows the spreader to be moved to a new field without emptying it first.





### ***AUTOMATIC DOSE-CONTROLLED SPEED***

The driving speed during spreading is automatically controlled based on the desired dose, ensuring uniformity across the entire field, and preventing over- or under-dosing.

### ***WELL-EQUIPPED CABIN WITH CONTROL AND COMFORT***

All essential functions of the spreader can be monitored and controlled from the cabin. To ensure a comfortable workday for the operator, the cabin is equipped with a refrigerator and coffee machine.

When going backwards, the operator can choose to rotate the cabin 180 degrees for an optimal view of the hose.



## OPTIONS

The SDS 8000 can be equipped with various additional features to tailor the machine to your needs.

### ➤ **Electronic Tire Pressure Regulation**

This feature allows in-cab adjustment of the tire pressure. Lowering the tire pressure in the field improves traction by increasing the tire's contact area. This larger contact area also helps prevent topsoil damage. Choosing tire pressure regulation requires the addition of a compressor.

### ➤ **Outlet for Hydraulic or Air Brakes**

If you wish to transport a pump unit behind the spreader, you must choose the brake outlet that matches the pump unit's brakes.

### ➤ **Return Pumping with Compressor**

After completing spreading, when disconnecting the machine from the supply hose, a volume of slurry in the hose will spill onto the ground. This can be avoided using the powerful compressor, which blows this slurry back towards the pump unit. This prevents "slurry puddles" in the field and makes the hose easier to handle.

### ➤ **GPS**

For the SDS 8000, you can choose between Trimble or John Deere GPS. The machine can also be prepared for your own post-installation of GPS equipment from Trimble/John Deere.

### ➤ **TIRE CHOICE**

When ordering, you must choose the tire size and brand.

**Type 1:** 1050/50 R32 ET-35 (front)  
VF 620/70 R26 (rear)

**Type 2:** 900/60 R38 ET-35 (front)  
VF 620/70 R26 (rear)

*Brand: Choose between Alliance Agriflex 377+ or Michelin MegaXBib*

### **EXCERPT FROM TECH DATA SDS 8000:**

<b>Weight excl. slurry:</b>	ca. 21,000 kg	<b>Fuel capacity:</b>	395 l
<b>Engine:</b>	John Deere Powertech 6068	<b>AdBlue capacity:</b>	30 l
	225 HP / 168 kW		
<b>Wheel gauge:</b>	2,250 mm		



## CHOOSE BETWEEN CRANE ARM OR TAIL FOR HOSE

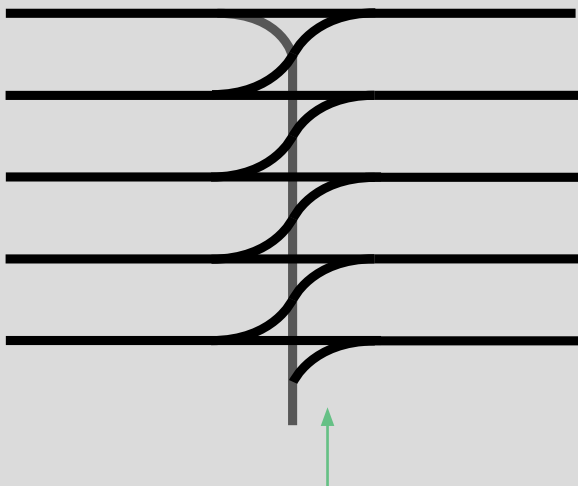
When ordering, you must choose whether the machine should be equipped with a crane arm or a tail for the hose.

The crane arm allows for optimal driving patterns, increasing capacity by minimizing field driving and avoiding overlaps.

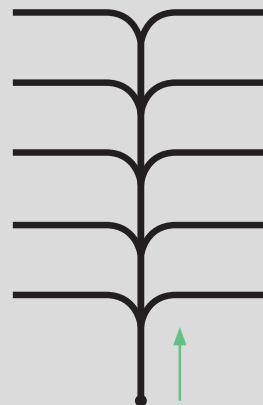
The tail offers simpler driving patterns and easier field maneuvering. Using the tail also ensures gentler hose handling, extending its lifespan. The tail also consists of fewer wear parts, reducing the costs for maintenance.



*Basic driving pattern  
Crane arm*



*Basic driving pattern  
Tail*



## THE FUTURE OF GENTLE SLURRY APPLICATION

The SRS 1200 represents the future of application methods, allowing you to maximize the use of both slurry and machinery. The machine is equipped with a 4½" machine hose and has a working length of 600 meters.

The hose reel is used in conjunction with applicators/dribble bars with a working width of up to 12m and a weight of max. 3000 kg.

The pivoting hose crane is joystick-controlled from the cabin, ensuring the hose is always positioned on the correct side of the machine. This means the hose is always rolled on/off the reel without dragging it across the ground, as seen in traditional drag-hose systems. This protects both the hose and crops.

An efficient shut-off valve allows you to move the hose reel to a new field without emptying it first.

### TIRE CHOICE

The SRS 1200 requires VF800/70 R38 tires. Choose between Michelin Axiobib2 or Alliance Agriflex.



#### EXCERPT FROM TECH DATA SRS 1200:

Weight excl. tool and slurry: ca. 10,740 kg

#### TRACTOR REQUIREMENTS:

<b>Power:</b>	from 200 HP (depending on tool)
<b>PTO:</b>	1,000 rpm
<b>Hydraulics:</b>	60 l/min @ max. 200 bar, 1 x double acting outlet (for support leg)



## AVOID WAITING TIME WITH FRONT TANK

When lifting the applicator to turn in the field, the APV/DP pump unit switches to stirring, causing a drop in hose pressure. This means you have to wait a bit before full pressure is restored when the applicator is lowered again.

This can be avoided using an FT 3000 front tank.

Instead of switching to stirring when turning, the pressure is reduced, and the slurry is pumped to

the front tank. Once you've finished turning, you immediately start applying slurry from the front tank. While doing this, full operating pressure is restored in the feed hose, and you automatically continue with normal application once the front tank is empty.

### PIPE ROUTING KIT

The pipe routing kit contains the necessary piping and fittings to connect the hose reel and FT 3000 front tank.



#### EXCERPT FROM TECH DATA FT 3000:

Tank capacity:	3 m <sup>3</sup>
Weight excl. slurry:	ca. 950 kg

#### FRONT LIFT REQUIREMENTS:

Lifting capacity:	min. 4,5 - 5 tons
Hydraulics:	60 l/min @ 150 bar, 2 x double acting outlet (for pump + valve)
Other:	Extra 7-pole socket for lights

## WIDER APPLICATION MADE LIGHTER

The new SRS 1800 is an evolution of the well-known SRS 1200 hose reel, but comes with a bogie axle and an extended hose crane. With a 5" machine hose, the working length is 550 meters, and with a 4½" machine hose, it extends to 600 meters.

The hose reel is compatible with all types of applicators/hose booms with a working width of up to 18m and a maximum weight of 4,500 kg.

The pivoting hose crane is joystick-controlled from the cabin, ensuring the hose is always positioned on the correct side of the machine. This means

the hose is always rolled on/off the reel without dragging it across the ground, as seen in traditional drag-hose systems. This protects both the hose and crops.

The hose reel is equipped with an electronic hose guide. With the control system, you can adjust the winding on the reel if necessary.

An efficient shut-off valve allows you to move the hose reel to a new field without emptying it first.

**NEW!** WORKING WIDTH UP TO 18 M!



### EXCERPT FROM TECH DATA SRS 1800:

Weight excl. tool and slurry: ca. 14,900 kg

### TRACTOR REQUIREMENTS:

Power: from 200 HP (depending on tool)  
 PTO: 1,000 rpm  
 Hydraulics: 60 l/min @ max. 200 bar, 2 x double acting outlet (for support leg + axle extension)

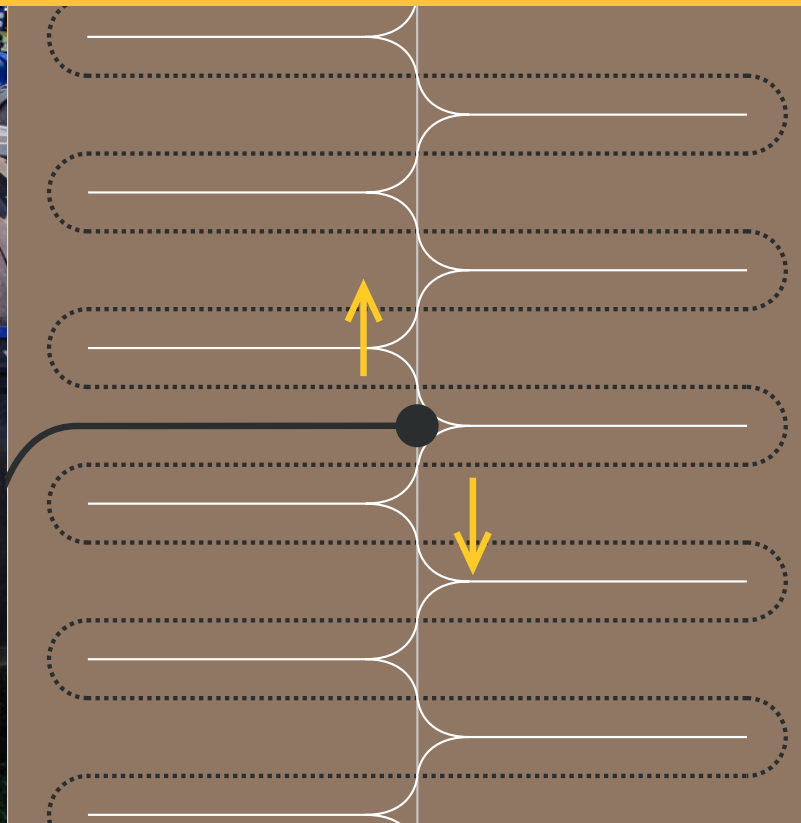


## **FORCED STEERING OF REAR AXLE MINIMIZES FIELD DAMAGE**

The rear axle of the SRS 1800 is force-steered. This results in less field damage when turning during spreading, compared to a regular bogie or triple-axle wagon.

## **BETTER WEIGHT DISTRIBUTION WITH EXTENDED AXLE**

The SRS 1800 has 2 x 300 mm extensions on the front axle. This means fewer passes in the same track in the field, distributing the weight over a slightly larger area. This helps protect against soil compaction, especially in the upper soil layers.



*Example of basic driving pattern with umbilical hose reel.*

## **TIRE CHOICE**

The SRS 1800 is equipped with tires sized 750/60-30.5.

Choose between **Michelin 181D TL CargoXbib High Flotation** or **Alliance Agriflex 389+**.

## MACHINE HOSES

You have various options when it comes to selecting a machine hose, depending on the type of machine:

	<b>SDS8000 crane</b>	<b>SDS8000 tail</b>	<b>SRS 1200</b>	<b>SRS 1800</b>
<b>Ultraman Special</b>		4,5" + 5"		
<b>Dragman Premium</b>	4,5" + 5"	4,5" + 5"	4,5"	4,5" + 5"
<b>Ultraman TT</b>	4,5" + 5"	4,5" + 5"		
<b>Hilcodur Agri-PU</b>	4,5" + 5"	4,5" + 5"		

### **Ultraman Special – BLACK**

Ultraman is a lightweight and flexible hose, specially developed for agricultural and industrial use. Its easy handling and long lifespan make it a cost-effective choice.

### **Dragman Premium – ORANGE**

Dragman is designed to withstand harsh environments, whether used on large flat fields or uneven agricultural areas. The hose is engineered to endure high tensile loads and is crafted from flexible, premium thermoplastic polyurethane (TPU) with excellent abrasion resistance and puncture resistance.

### **Ultraman TT – BLACK**

Building on the properties of the Ultraman Special, this hose is specially designed to better withstand the strain from a small working radius, making it particularly suitable for use with the SDS 8000 with a hose crane.

### **Hilcodur Agri-PU – YELLOW**

A versatile high-quality flat hose for agricultural and irrigation purposes, offering high abrasion resistance and great flexibility. Its smooth surface ensures a low-pressure drop.

## SUPPLY HOSE

You can choose between 6" and 8" supply hoses. 6" hoses gives you the possibility to have more hose on the reelers, while 8" hoses offers less pressure drop during operation.

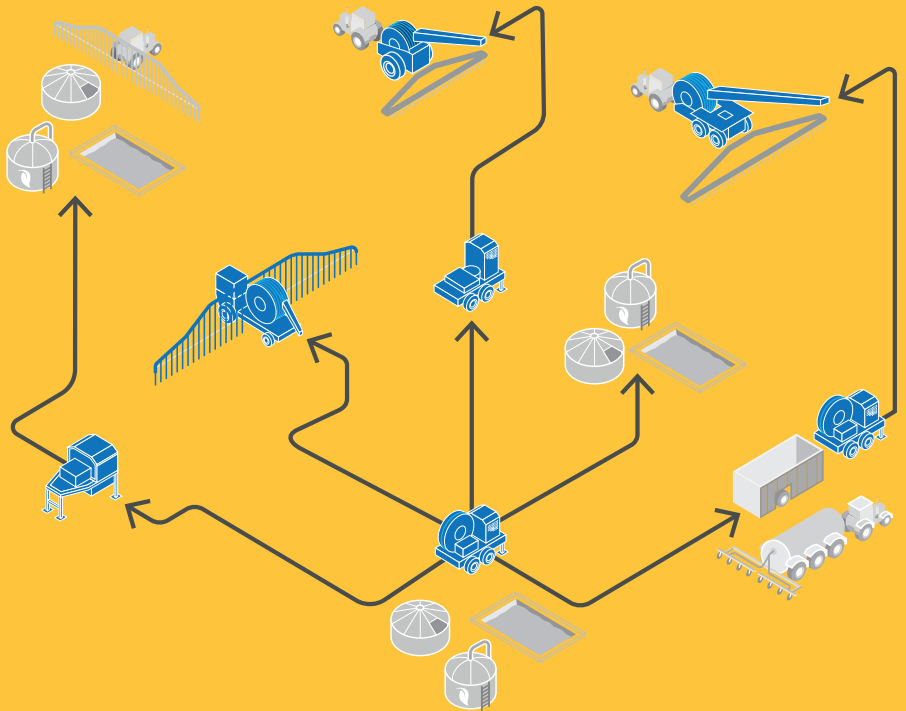


## SYSTEM OPTIONS

You can configure your machine solution in many different ways, and the sketch only shows a selection of the various possibilities.

You can always create a tailor-made solution that fits your specific tasks.

GSM communication and leakage control are options that (if desired) must be selected for all units in your system solution.



### ➤ GSM COMMUNICATION

If you operate in very hilly terrain or are exposed to other conditions that can disrupt the necessary radio communication, you can advantageously choose GSM communication. In this case, the communication between the pump unit(s) and the spreader will automatically switch to the telecom network if the direct radio signals do not get through.

The network switch occurs seamlessly and is not noticed by the driver. This ensures stable operation, which is not affected by all external disruptive signals.

### ➤ LEAKAGE CONTROL

Both the SDS 8000 and SRS 1200/1800 operate with high flow and high pressure. Even a very small tear in the feed hose will, over time, create a slurry puddle at the tear. With the leakage control, you can prevent serious consequences that can arise due to a tear.

The leakage control works by having two flow meters comparing the amount of slurry being pumped with the amount being spread. A deviation between the two values triggers an alarm.

Leakage control requires the addition of GSM communication on both the spreader and the pump unit.

# ***Your main benefits when choosing the Agrometer Slurry Solution:***

***Extend Your Application Season***

***Experience Less Field Damage***

***Reduce Fuel Consumption by 40 % \****

***Reduce CO<sub>2</sub>-emissions by 30 % \****

***Get Increased Yields***

***Reduce Public Road Transportation***

***Solutions For Everyone***

## **MACHINERYCATALOGUE**

*For the future of slurry solutions*



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