



SPRINTER

2500L

BERTHOUD®
Forward together

SPRINTER

BERTHOUD's compact powerhouse



SPRINTER is truly compact powerhouse from BERTHOUD. The development goal was a compact and lightweight machine with a low centre of gravity, requiring only moderate power to operate it. Equipped as standard with recognised equipment such as the GAMA pump, Axiale suspension, etc., the Sprinter is the ideal machine for mixed farmers and small cereal growers. The Sprinter range is available with the ALS boom, which has an L-shaped structure, but combined with an Axiale suspension, Berthoud's distinct DNA that has become the benchmark in the market over the recent years.

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Technical characteristics

Chassis tank

Stability, flexibility of use, integration of equipment

Main tank

2500-litre main tank made of high density polyethylene + 5%.

Optimised distribution of masses on the chassis the tank design

- A high-density polyethylene diamond point tank that optimises the emptying of the tank.
- Limited height of the tank, wider at the bottom to keep the centre of gravity low.
- Sump with suction by lateral pipe = no "siphon" effect = limited bottom residue
- 260-litre rinsing tank placed at the front and centre of the chassis for good load distribution and an evenly balanced machine



Chassis: light but sturdy!

The Sprinter is designed using high strength steel for a long life of the structure
It is protected by Berthoud UHR paint

Compactness above all

It has a 3.75 m wheelbase, small for its category, which allows you to turn sharply on the headlands.
The drawbar is length-adjustable and has 2 positions spaced 20 cm apart.
Its centre of gravity is low for optimum stability
The track width is adjustable from 1.5 to 2 m



Stay in control on slopes!

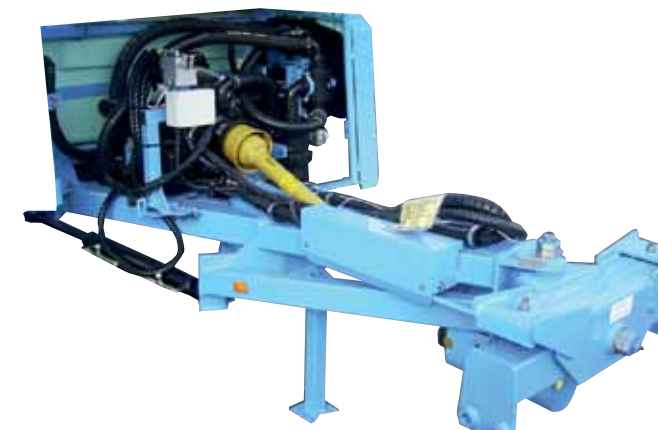
The adjustable boom option allows you to manually correct the sprayer position on slopes.

Monitor the tractor tracks to reduce the impact on your crops

The optional tracking drawbar is a simple solution for optimising tractor tracking.
Based on a mechanical solution, no hydraulic assistance is required.

Its advantages:

- Mechanical solution: simple solution
- Realignment index for changeover from road mode to field mode
- Standard shock absorbers for filtering spurious swinging



Everything within easy reach



Berlogic panel

The Berlogic panel allows you to perform all the sprayer functions easily and quickly: filling, mixing, agitation, spraying etc.

Mixing

Retractable hopper with built-in hopper rinsing and container rinsing

- Mixing and rinsing of the containers with clean water
- Clean hopper and circuit after the mixing
- Reduced residual volume

Pumps

GAMA pump

Reputed for its sturdiness and long service life, the Gama piston pump (130 or 160 l/min) has two major advantages:

- Excellent volume measurement, which guarantees the accuracy of the regulation systems
- Minimum servicing requirements thanks to its oil-bath mechanism, the use of stainless steel valves and the absence of an air chamber.

Diaphragm piston pump (optional)

- 265 l/min - 20 bar
- Simple and economic



Gauges

Float gauge

with direct reading

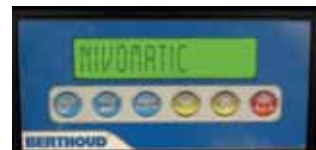
- > Visible from the cab and the spraying station.
- > Gauge placed in the centre of the tank for optimum accuracy regardless of the spray mixture level in the tank.



Ribbon gauge (optional)

NIVELEC digital reading gauge (optional)

- > Increased accuracy
- > Dual display (direct and digital reading)
- > Gauge tube attached to the bottom of the tank for optimum accuracy regardless of the spray mixture level in the tank.



Precise application

The right dose at the right time in the right place, that is the aim of a treatment. Precise regulation plays a crucial role at this level. It is also decisive for reducing residual volumes at the end of application. Three regulation models are available on the Sprinter: auto-regulator, DP TRONIC and EC TRONIC.

AUTOREGULATOR DPM

AUTOREGULATOR is a DPM (Flow Proportional to Engine speed) regulation unit. This system allows you to maintain a constant volume/ha in a selected gear ratio; it is very precise for speed variations of up to 20%

- Simple and economic solution
- BERJUST 2000 (optional): This monitor can be used to alternately display volume/ha applied and forward speed. If necessary, it can display the number of litres sprayed, the hectares sprayed and the kilometres travelled.



DP TRONIC monitor

It is used to:

- Control spraying and the boom
- Adjust the volume/ha
- Permanently display the 4 main spraying parameters (volume/ha, speed, litres applied, pressure measured)
- Display individual totals which can be stored

DP TRONIC advantages

- Starting pressure
- Minimum pressure during spraying (pressure threshold)
- Dosage adjustment during application without leaving DPE mode
- May be used with a multi-function joystick for increased working comfort

EC TRONIC monitor

It is used to:

- Permanently display the 4 main spraying parameters (volume/ha, speed, litres applied, pressure measured)
- Traceability (by plot, multi-users, etc.)
- Individually control 15 sections sequentially with the multi-function joystick



EC TRONIC advantages

- BUS CAN technology
- Large 15 cm colour screen
- PILOT multi-functional, wireless joystick (standard in ED version, optional in SEH): work within a radius of up to 25 m around the central unit to check any blocking of the nozzles, the adjustment of the booms, and the measurement of the nozzle flow rate from outside!



EXCLUSIVE TO
BERTHOUD

Reduced residual volume at the end of application
Easy to operate
User comfort

DILUNET

Sequencing of dilutions of residual liquid from the control station (optional)

DILUNET Plus
rinsing of the tank from the cab (optional)

GPS assistance: Make the job easier

BERTHOUD offers you a number of features to practise precision agriculture

E TECH unit: a turnkey solution!

The BERTHOUD regulation units may be fitted with E TECH unit for guidance, section shut-off and dosage adjustment. The console with a 20.3 cm touchscreen allows:

- Guidance.
- Section cut-off using GPS with display of section status.
- Intra-plot dosage adjustment

Upgradeable, you can easily unlock advanced features



Flow of spray mixture Make a difference

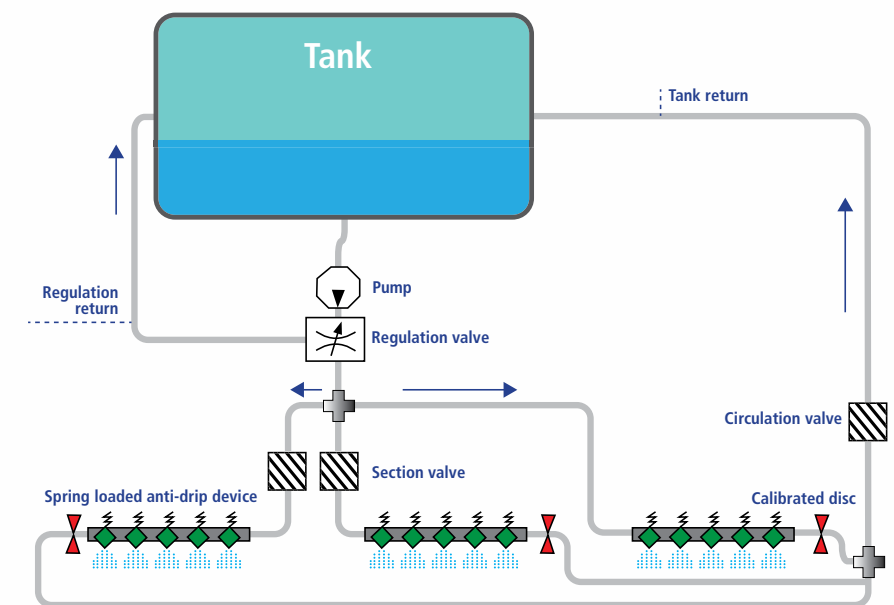
Discontinuous flow: the basis

The spray mixture flows in the sections only when spraying, no return to the tank at the end of the section. Other types of flows can be fitted on SPRINTER.

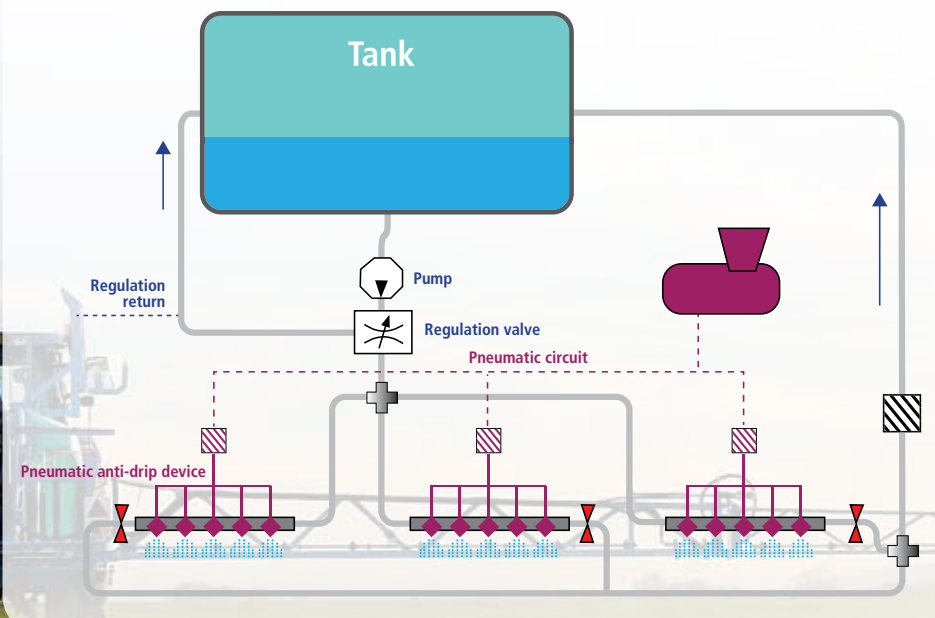
SPRINTER can also be fitted with semi-continuous flow. In this system, the liquid circulates continuously during spraying in order to prevent clogging at the end of a section.

This type of circulation is extremely useful when working with powder-based chemicals and in low-volume applications.

Semi-continuous flow (optional):



Continuous flow (optional):



Discontinuous flow ensures that the spray mixture flows during and after spraying. Based on an AGP (Pneumatic Anti-Drip) system, it provides various advantages:

- > Minimises dirt and deposits
- > Permanent agitation
- > The rinsing water may be used several times by "recirculating" it = less contaminated water to be evacuated
- > Rapid priming
- > Instantaneous pneumatic cut-out
- > Returns channelled to a single pipe
- > Motorised valves to open the flow from the cab
- > Benefit from instantaneous priming at low cost thanks to the pneumatic circuit supplied as standard on Sprinter

Choice of booms

ALS boom: Available in 18, 20, 21 and 24 m, it is equipped with an Axiale boom suspension and an L-shaped arm structure

AXIALE suspension

By design, the ALS boom includes the AXIALE suspension as standard. A BERTHOUD benchmark, it provides legendary stability on flat land, on slopes and bends.



L-shaped arm structure

In order to optimise the weight/stiffness relationship. Polypropylene spraying pipes – Stainless steel optional



Boom control



Symmetrical unfolding (18/9m, 20/11m, 21/11m, 24/12m) with SEH or ED command



Integral unfolding (0-18, 0.24m, etc.) in tractor control valve version or SEH

MULTIS boom

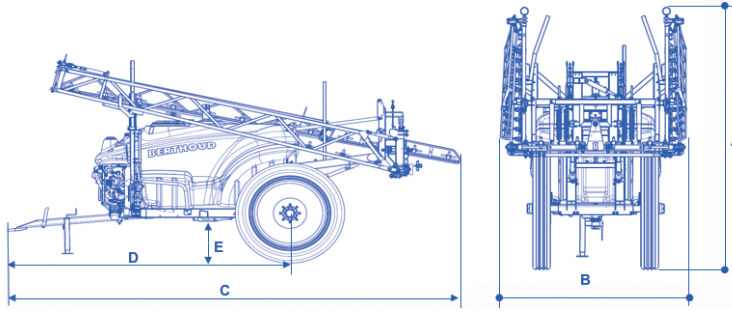
Rear-folding boom, available in 15 and 18 m. It is equipped with a link rod suspension and numerous options for hydraulic control: tilt corrector, uncoupling



SPRINTER equipment

	SRPINTER DPT/ECT	SPRINTER AR
Chassis		
Non-suspended chassis	X	X
Fixed drawbar	X	X
Adjustable boom	0	0
Mechanical tracking drawbar	Y	0
Track width 1.5m to 2m (min. track width depending on tyres)	X	X
Booms		
ALS 18 - 20 - 21 - 24m	X	X
MULTIS 15 - 18m	X	X
Spraying		
GAMA piston pump 130l/minute	X	X
GAMA piston pump 160l/minute	0	0
Diaphragm piston pump 280 litres/min	0	0
AUTO-REGULATOR unit		X
BERJUST 2000 unit		0
Triple filtration (sieve, filling, backflow)	X	X
Float gauge	X	X
Ribbon gauge	0	0
NIVELEC gauge	0	0
Electric Gate Valves (VEC)	X	X
Semi-continuous flow	0	
Continuous Flow	0	
E tech Visio pack	0	
E-tech pack	0	
Equipment		
Mixing hopper	X	X
18l hand wash tank	X	X
Rinsing tank	260l	260l
Ball valves for rinsing	X	X
Agitation shut-off in cab	0	
DILUNET	0	
DILUNET +	0	
Boom lighting	0	
End nozzles	0	
Mudguards	Y	0

X	Standard
0	Optional
	Not available



Dimensions & weight

Dimensions in metres		Multis 15	Multis 18	ALS 18	ALS 20	ALS 21	ALS 24
SPRINTER 25-26 (version 230/95 R 44)	A (min)	3.38	3.38	2.85	3.05	3.05	3.05
	A (max)	3.38	3.38	3.05	3.25	3.25	3.25
	B	2.55	2.55	2.55	2.55	2.55	2.55
	C	4.38	4.38	6.35	6.35	6.35	6.35
	D	3.98	3.98	3.98	3.98	3.98	3.98
	W	0.70	0.70	0.70	0.70	0.70	0.70
Weight (kg)		Multis 15	Multis 18	ALS 18	ALS 20	ALS 21	ALS 24
SPRINTER 25-26	Empty weight	1725	1750	1850	1870	1870	1900
	GVWR	4485	4510	4610	4610	4630	4660

SPRINTER 100% BERTHOUD

BERTHOUD, a success story that started in 1895 on the initiative of Paul **BERTHOUD**. In 1987, the brand joined the Exel Industries Group, the world leader in spraying techniques present in the agricultural, industrial and consumer goods fields. **BERTHOUD** generates its turnover through its equipment for Row crops, Vines & Fruit bushes and Orchards.



Brand advantage

BERTHOUD meets all your requirements: mixed-farming breeding, cereal crops, large farms, agricultural contractors (ETA), Cooperatives for the use of agricultural equipment (CUMA), etc. From the simplest machine (mechanical DPA), to **E BERTHOUD SOLUTIONS**, (precision agriculture), all of them enjoy the best resale value on the second-hand market.



Innovation advantage

BERTHOUD designs 100% of its sprayers and over 10% of its employees work on Research and Development. BERTHOUD develops its own concepts and holds many patents: ACTIFLEX, etc.



Network advantage

A special partnership of over 50 years with a network that provides a relay close to your location. 350 dealership technicians are trained every year in our Training Centre.

After-sales service

Service advantage

Delivery of spare parts in less than 24 hours, service level of close to 99% strengthened by the high availability of our teams on the road and the performance of our After Sales hot line.



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We reserve the right to modify our models and their features.

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BERTHOUD®
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