



HERMES
Blue

//// 20 to 24m

1000L 1200L

BERTHOUD®
Forward together

HERMES Blue

///// 20 to 24m

Perfect **balance**

The Hermes Blue **mounted sprayer** is available in 2 capacities of 1000 and 1200 litres. It has the advantage of a functional design that makes it very compact and gives it an exceptional balance.

Hermes Blue: a wealth of innovations with EcoMatic operation and the compact ALSR 20, 21 and 24 metre boom.

Hermes Blue combines robustness, performance, precision and ease of use.

→ ADVANTAGE **USER**

- PERFECT BALANCE ON THE ROAD AND IN THE FIELD
- COMPACT BOOM AND MULTI-DECOUPLING OF THE WORKING WIDTH
- SIMPLE AND SAFE USE
- APPLICATION PRECISION AND WORK PRODUCTIVITY

Chassis: Simple and compact



➔ MAXIMUM COMPACTNESS



A light but very strong chassis

3-point hitch integrated into the design and reducing rear offset
Optional automatic hitch

Chassis made of HLE steel protected

Rinsing tank 120 litres

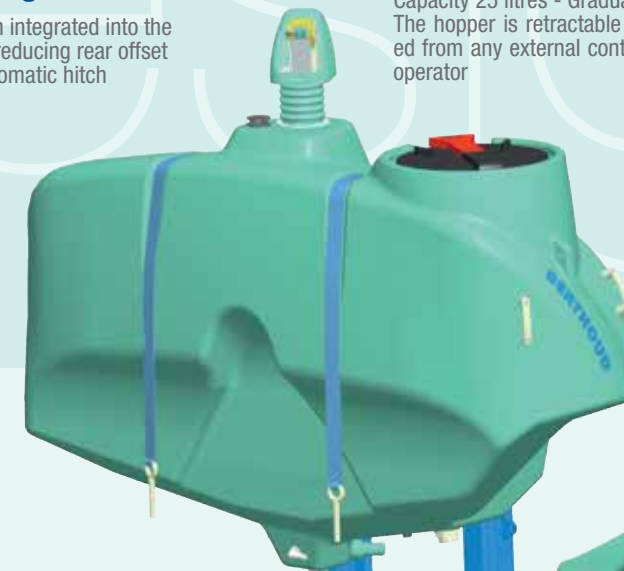
Integrated into the lower part to keep the centre of gravity at the bottom until the end of the work



Triple filtration

the assurance of spraying without clogging
The application is homogeneous and the operator is protected from any contamination

- Upon filling (sieve with mesh of 8/10)
- Upon suction (filter valve 6/10 mesh)
- Upon discharge (filter 1/4 turn with mesh of 4/10).



Integrated retractable mixing hopper

Capacity 25 litres - Graduated indication of contents
The hopper is retractable and integrated: a smooth design at work, protected from any external contamination, ergonomic controls to limit risks for the operator

Main tank

Main tank made of high-density polyethylene with 1000/1200 litre capacity + 5%.
Adjustable agitation circuit for an evenly blended spray mixture
Rinsing circuit with stainless steel Lav'Ton that removes residues and prevents phytotoxicity

EcoMatic: Always simpler!

Simplified EcoMatic operation with GAMA 105 or 130l/min pump
Simple operation without a doubt eliminating any risk of handling error
Drastic reduction in dead volume



Maximum compactness for minimised rear load transfer

- The centre of gravity placed far forward on the equipment, the hitch ideally integrated into the tank.
- Minimum overhang providing greater stability and manoeuvrability.



External direct-read gauge
Ribbon gauge (optional)
Nivelec (optional)
Nivomatic (optional)
A complete range of gauges to adapt to each use of each operator.

A design thought out in detail to meet all needs:

- A high-density polyethylene diamond point tank that optimises the emptying of the tank in all terrain conditions
- Sump with suction by lateral pipe = no "siphon" effect = limited bottom residue
- 120-litre rinsing tank placed on the right side of the chassis, filled either by the opening in the tank or by quick connection at the control station. Integration of a box for PPE (personal protective equipment)

EcoMatic®

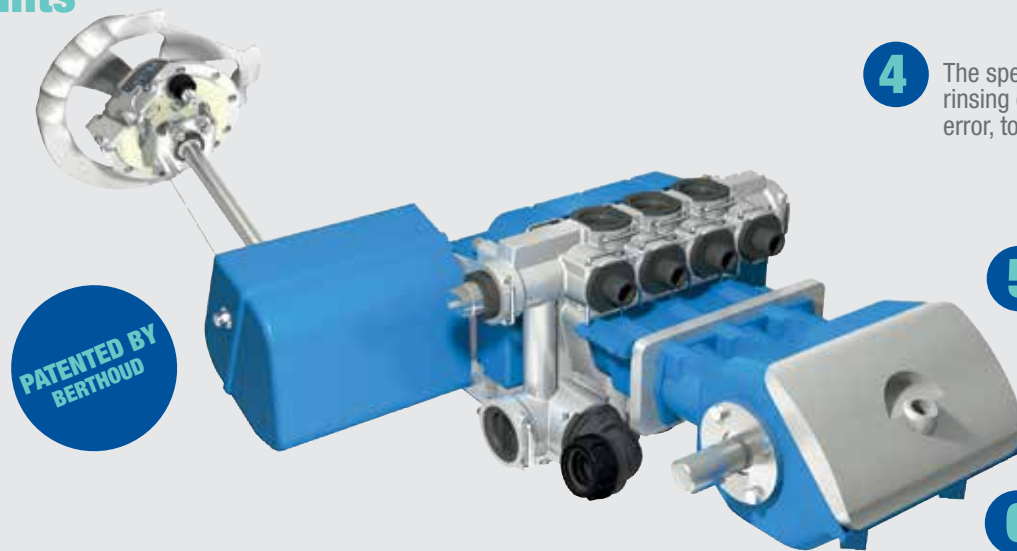
Operation that makes the difference

Most manufacturers now endeavour to meet the challenge of maximum reduction of residual volumes at the end of spraying. Various technological approaches are being developed while being careful not to worsen the ergonomics of this space, which is strategic for the use of the sprayer and the working speed.

The innovation on the EcoMatic lies in the assembly of function valves directly on the body of the sprayer pump and the single control.

The EcoMatic® currently stands out from the other solutions on the market through 6 points

- 1** All the function valves are attached to the body of the pump, which eliminates all of the connection pipes from the valves to the pump to **limit residual volumes**.
- 2** The valves are made of aluminium for longer life.
- 3** A single command controls all of the functions for greater simplicity



→ ADVANTAGE USER

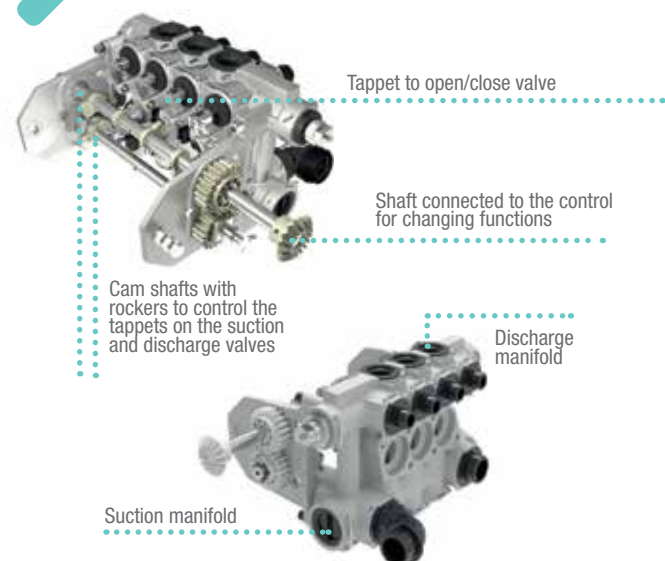
- **CLEAN AND SAFE OPERATION**
- **EASY AND SIMPLE!**

- 4** The specific sequential rinsing function sequences the rinsing of all of the circuits, simply and without risk of error, to **limit the risks of phytotoxicity**.
- 5** EcoMatic comes with the **GAMA pump 105** and 130l/min. Known for its sturdiness and long service life, it has 2 major advantages:
 - > Excellent volume measurement, which guarantees the precision of regulation.
- 6** Accessible and simple design to **optimise after-sales service**.

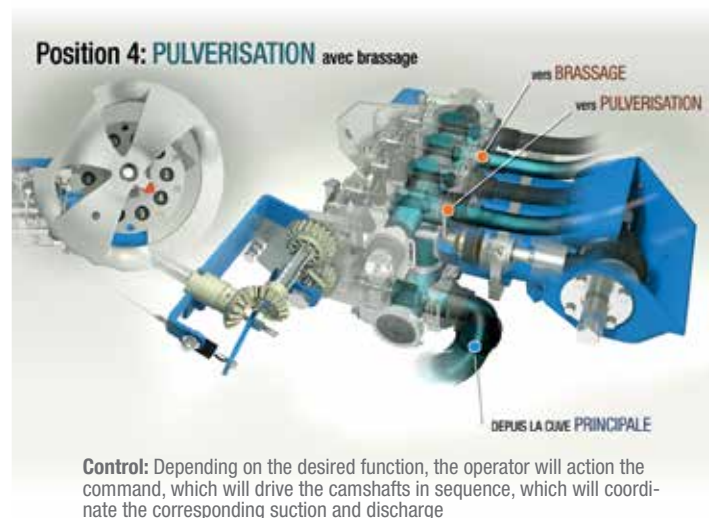


↑ **Control station:** An ergonomic area

→ **The valve block**



→ **The valve block:** Practical example



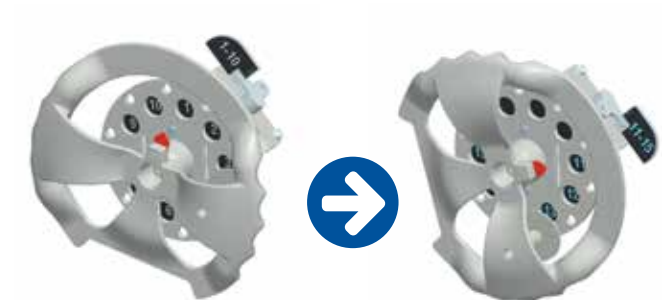
Control: Depending on the desired function, the operator will action the command, which will drive the camshafts in sequence, which will coordinate the corresponding suction and discharge

→ **The control**



It is used to control the functions of the sprayer. A central pointer indicates the chosen function. The number corresponds to a function identified on the BERLOGIC panel (1 number = 1 explicit function) – **facilitates operational use**

→ **Sequential rinsing**



Innovation on the EcoMatic®, when the operator changes products, this function can rinse all of the circuits of the sprayer without missing any, via a preestablished sequence of functions.

Intuitive transition to the additional sequential rinsing functions enables the operator to easily pass in front of each function in order to clean it.

ALSRboom

HERMES
Blue

Precision of application

Available in 20, 21 and 24 m “AXIALE” or L-shaped arm structure

A mixed design for the best stiffness/weight compromise guaranteeing a robust boom and a homogeneous application

Equipment:

Propylene spray pipes

Stainless steel spray pipe (optional)

QUADRIX nozzle holders and anti-drip

End nozzles (optional)

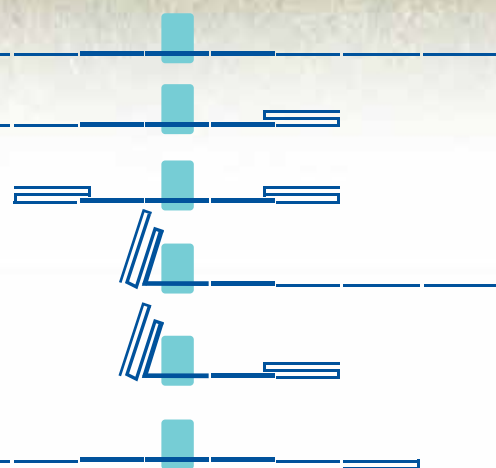
A compact structure associated with enviable stability

AXIALE suspension

In its design, the ALSR boom includes AXIALE suspension as standard. A true BERTHOUD benchmark, it provides legendary stability on flat land, slopes and bends.

the suspension and the stability of the boom will ensure its long service life and the best homogeneous application on the plant

Modular

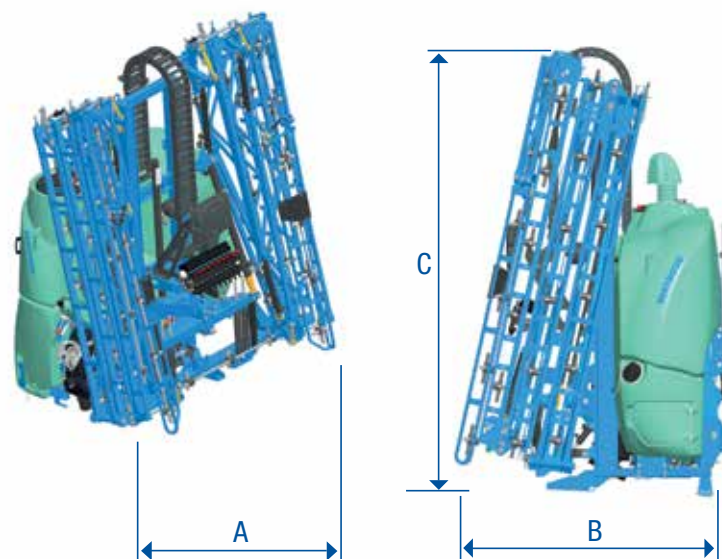


Multiple arm disconnection
for greater usage flexibility
(depending on hydraulic control options)

Dimensions (m)

	ALSR 20		ALSR 21		ALSR 24
	1000/1200		1000/1200		1000/1200
	3 arms	4 arms	3 arms	4 arms	4 arms
Width A	2.40 m				
Length B	1.85 m	2 m	1.85 m	2 m	2 m
Height C	3.40 m	3.05 m	3.40 m	3.05 m	3.05 m

ALSR 20 21 & 24m boom control	Std version	Version 1	Version 2
Tractor valves Tractor	1SE + 1DE	1SE + 1 Return	1SE + 1 return
Hydraulic control	SEH	ED	ED-GV
Available functions			
Boom lifting	x	x	x
Full boom unfolding	x	x	x
Symmetric partial unfolding	x	x	x
Left / Right independent unfolding			x
Angle correction	x	x (including angle correction reset)	x (including angle correction reset)
Independent boom locking sequential with folding/unfolding	x	x	x



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. A DPAE reference regulation by pressure sensor and 2 control interfaces in the cab offered on Hermes Blue:

- EC Tronic (standard)

- VT Tronic-ISOBUS (optional)

Also available in Iso Tronic version for full ISOBUS connection on a compatible Virtual Terminal

VT TRONIC TERMINAL

- Op-



The new VT TRONIC display is a top-of-the-line ISOBUS terminal offering standard features such as guidance, section shut-off, intra-plot dosage adjustment and documentation. The display has a touch-screen and displays information in a shared window for enhanced comfort and visibility.

It runs on Android on which it is possible to install additional software to multiply its features. You can download farming applications or view information such as weather, rain alerts, cereal prices, etc.

EC TRONIC MONITOR

the monitor can:

- Control spraying and the boom
- Adjust the volume/ha
- Permanently display the 4 main spraying parameters (volume/ha, speed, litres applied pressure measured)

Regulation by pressure sensor offers several advantages:

- Improved precision (pressure measurement close to the nozzle and more efficient on smaller volumes)
- Not affected by clogging or blockages
- No calibrated returns
- Low maintenance

Optional equipment that makes all the difference

BOOM CONTROL: the most efficient system on the market

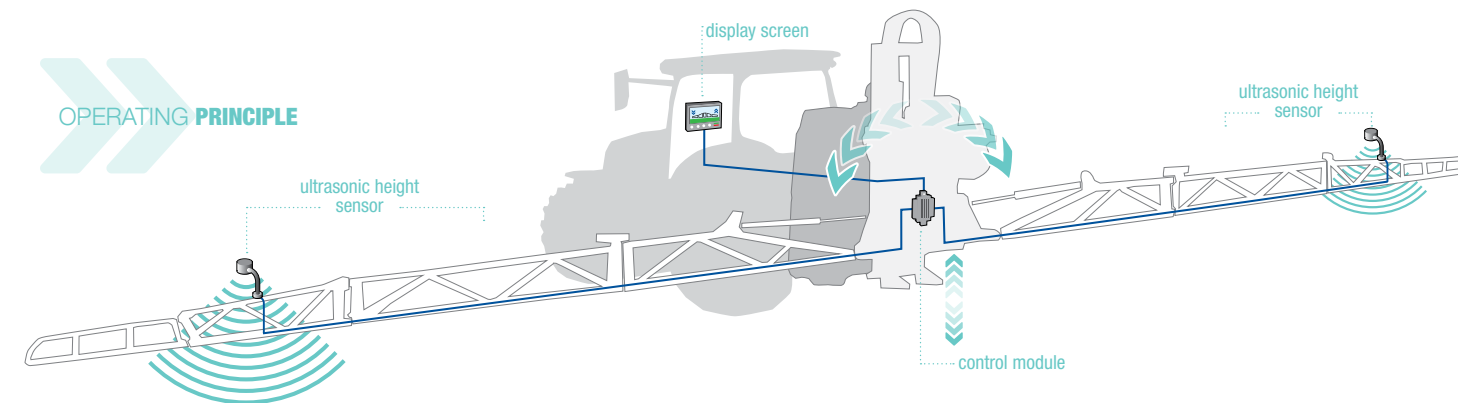
The BOOM CONTROL system maintains the boom at a height preset by the user. The BOOM CONTROL (optional) requires hydraulic control via a solenoid valve. Two versions are available:

Version **ACTIVE SLANT**

The ACTIVE SLANT version controls the boom height and slant automatically.

This ACTIVE SLANT version is designed for:

- sprayers operating in relatively flat ground
- sprayers not fitted with variable geometry

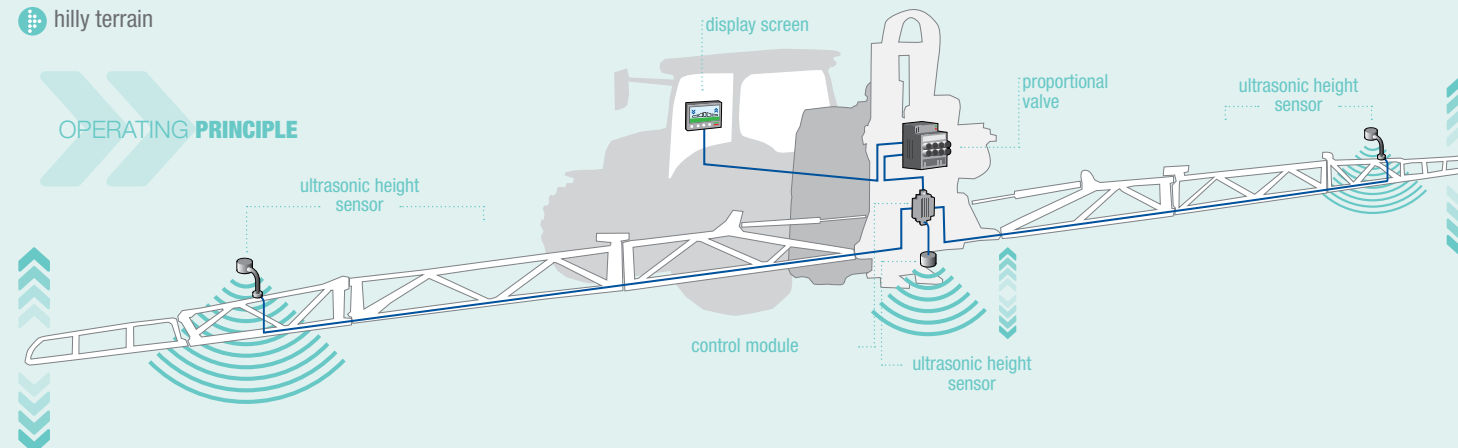


Version **TOTAL CONTROL**

The TOTAL CONTROL version controls the boom height and variable geometries.

This BOOM CONTROL version is designed for:

- booms fitted with variable geometries
- hilly terrain



ADVANTAGES
→ EXEMPLARY RESPONSIVENESS AND STABILITY

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 HERMES BLUE.

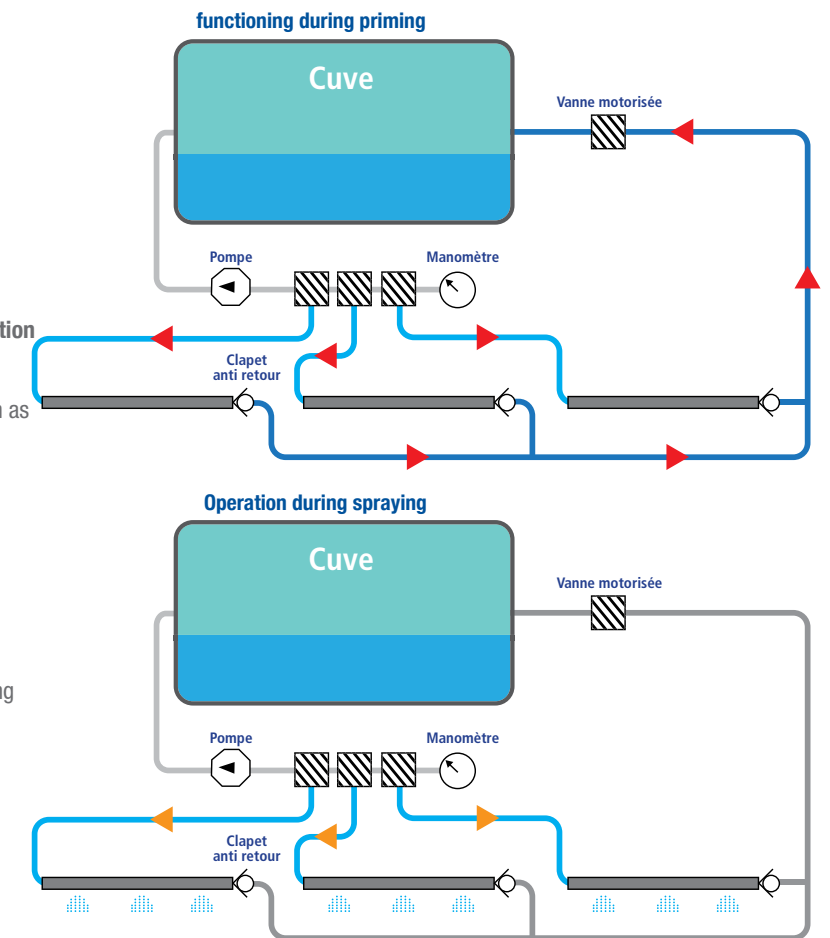
RTS (optional):

Allows boom priming after wintering, rinsing, etc. As soon as the sections open, all the nozzles open at the same time and at the correct pressure and with the right concentration of spray mixture.

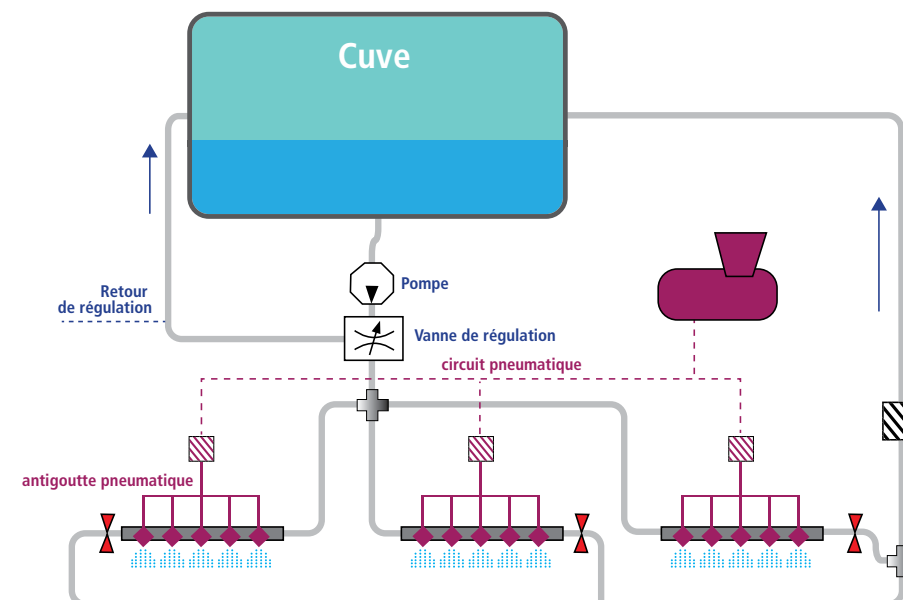
During this function, the flow circulates in the same direction as the sprayer. So no flow inversion which can bring deposits back into the pipes. The circulation pressure, lower than the opening pressure of the quadrix nozzles, is controlled by the EC regulation

Advantages of the RTS:

- Time saving on priming (no need for spraying)
- Correct concentration of product at the boom, after rinsing



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 mixing
- The rinsing water may be used several times by "recirculating" it = less contaminated water to be evacuated
- Rapid start-up
- Instantaneous pneumatic cut-out
- Returns channelled to a single pipe
- Motorised valves to open the flow from the cab



HERMES 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, which operates in the agricultural, industrial and general public fields.

BERTHOUD generates its turnover through its equipment for Row crops, Vines and Orchards.

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

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BERTHOUD®
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