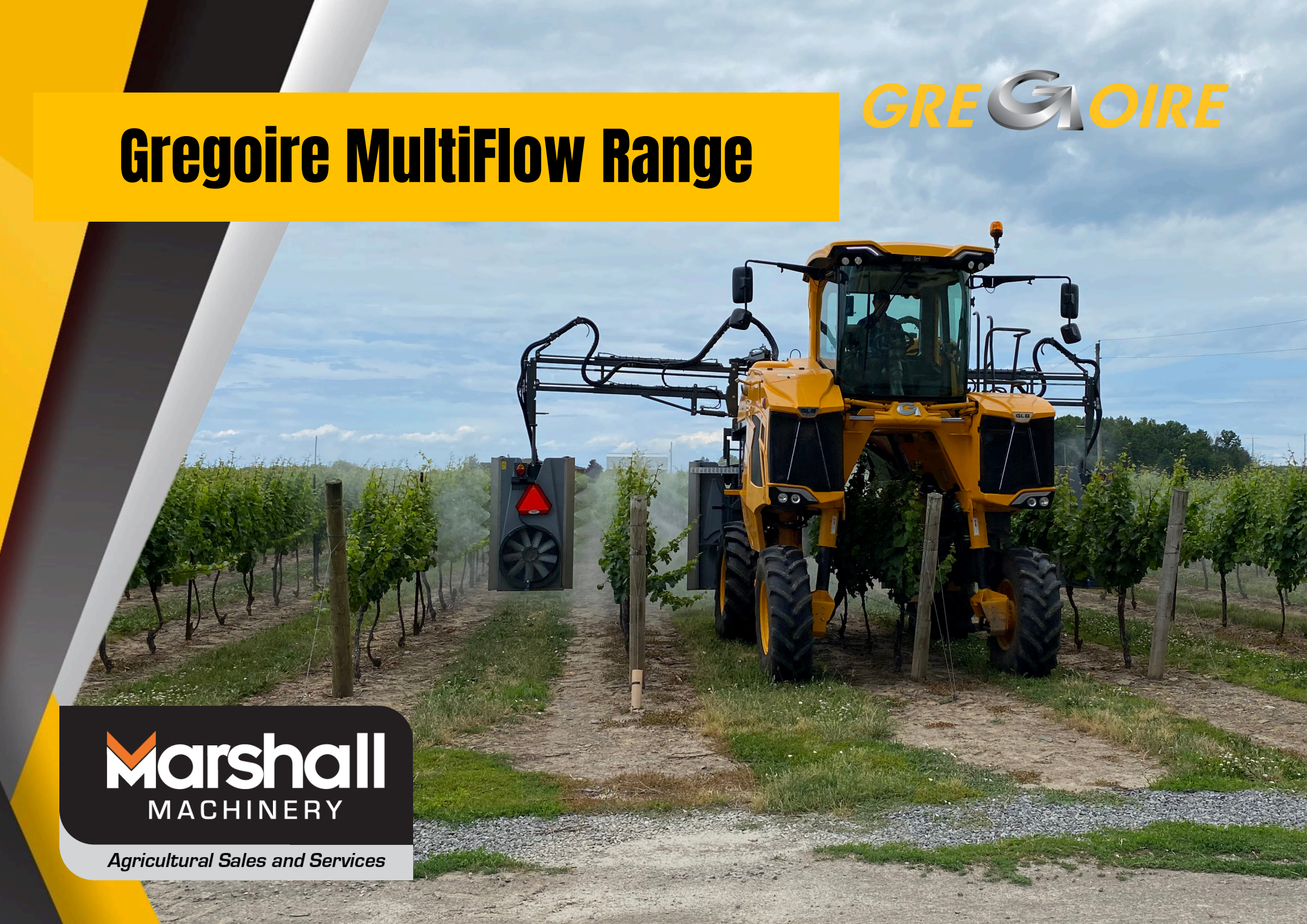
Gregoire MultiFlow Range

GREGOIRE



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Multiflow range

Multiflow range = mounted sprayers on GREGOIRE self-propelled harvesters

Two models are avaliable:

Multiflow Progress

Multiflow Quattro

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Multiflow Progress

Multiflow Progress:

- 4 or 6 rows pneumatic mounted sprayer
- Available on medium and large vines GREGOIRE harvester
  - ➢ Medium vines harvesters : GM7
  - ➢ Large vines harvesters: GL7, GL8, GX8
- For vines from 1.30m to 3.00m high

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Multiflow Quattro

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Multiflow Quattro Idea :

- 4 panel mounted mistblower
- Available on large vines GREGOIRE harvester
  - ➢ Large vines harvesters : GL7, GL8, GX8
- For vines from 2.00m to 3.00m high

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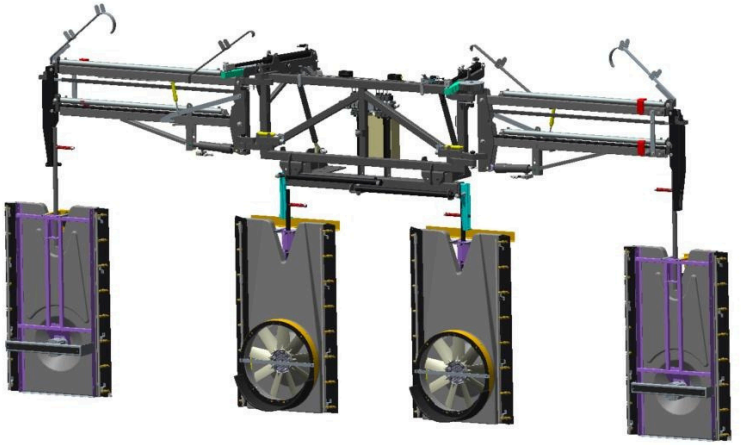
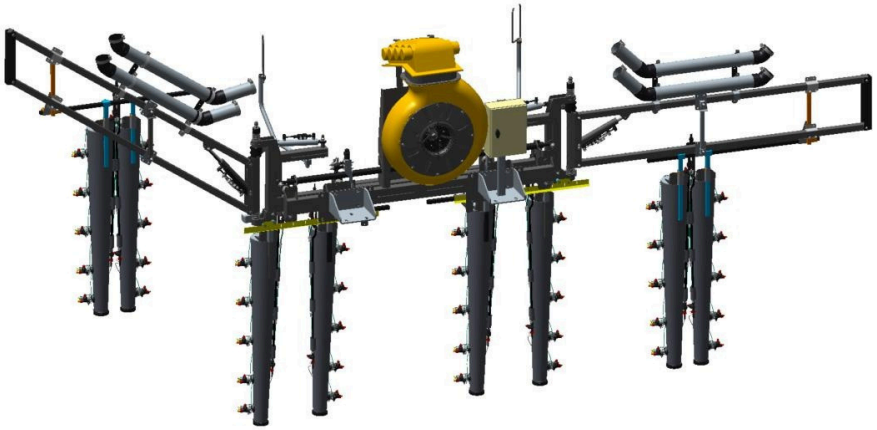
Multiflow Range Shared Design





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Multiflow Range Shared Frame Design

- Mechanically welded chassis :
  - √ Light
  - √ Simple
  - √ Reliable

- Spraying unit mounted on a multi function boom for a quick and easy coupling on the tractor base

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Multiflow Range Shared Frame Design

- Fast, simple sprayer hitching
- Supplied with a robust and efficient carrier frame
- Hydraulic and electrical connections conveniently located for quick hookup

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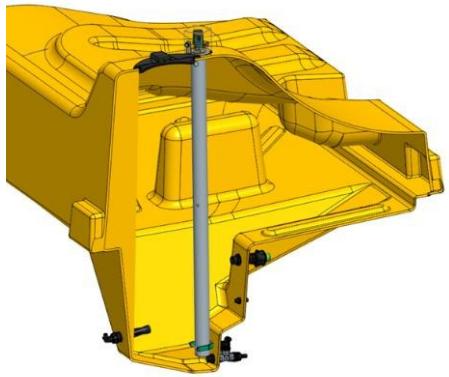
Multiflow Range Shared Tank Design

- Integrated storage compartments
- Drain valve and plug located beneath the tanks
- Integrated 300 L clean water tank
- 2500 L polyethylene spray tank with anti-overflow system
- 400 mm access hatch on each tank for easy filling and inspection
- Easy access to the spraying components
- Designed for quick washing and easy maintenance
- Simple evacuation of surplus spray product
- Integrated wash tank for system cleaning



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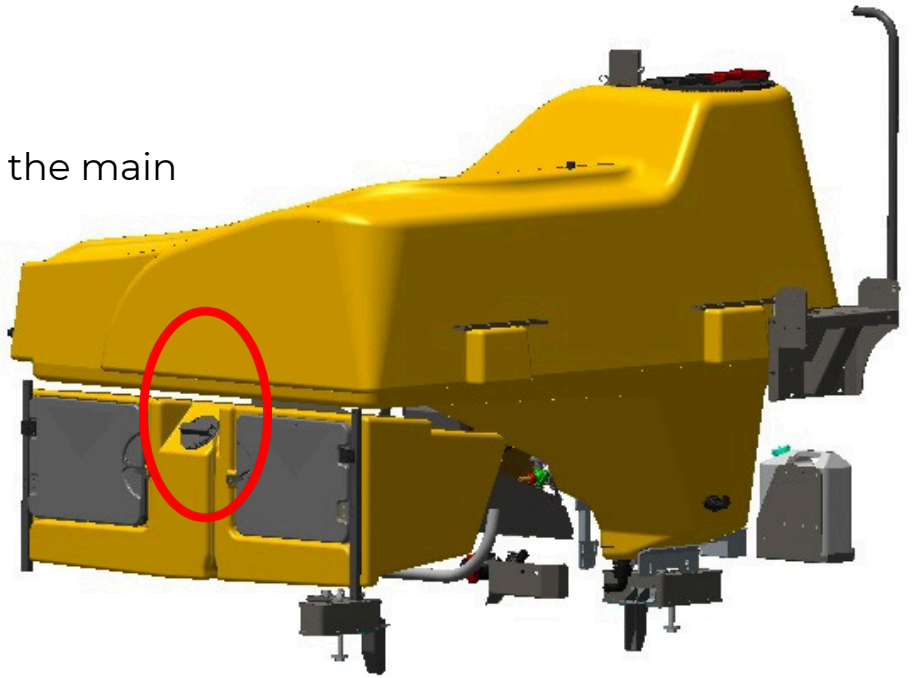
Multiflow Range Shared Tank Design

- Rinsing tank

- Clear water tank separated from the main tanks 300L capacity

- Easy access for a quick filling Efficient rinsing of the equipment



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Multiflow Range Shared Tank Design

- Hand wash tank
- Hand wash tank perfectly integrated 15l capacity
- Easy to access to fill it up or use

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Multiflow Range Shared Filtration Design

3-stage spray filtration system ensures high spray quality and prevents blockages in the product line:

- Step 1: Filtration through a strainer during tank filling
- Step 2: Filtration through an intake filter before the pump
  - Plastic strainer (standard equipment)
  - Stainless steel strainer (optional)
  - Equipped with a container rinser for easy cleaning of empty chemical containers
- Step 3: Filtration through a high-pressure line filter

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Multiflow Range Shared Pump Design

4-membrane piston pump

- Capacity: 95 L/min (Progress Idea) / 105 L/min (Quattro Idea)
- Output pressure is maintained constant by an air pressure regulator
- Pressure variations are continuously balanced to maintain consistent spray pressure
- Designed to handle heavy products and high application rates per hectare

The pump is one of the key components of the sprayer and performs two main functions:

- Delivers the spray product from the tank to the nozzles
- Agitates the product in the tank to prevent sedimentation and ensure a homogeneous spray mixture

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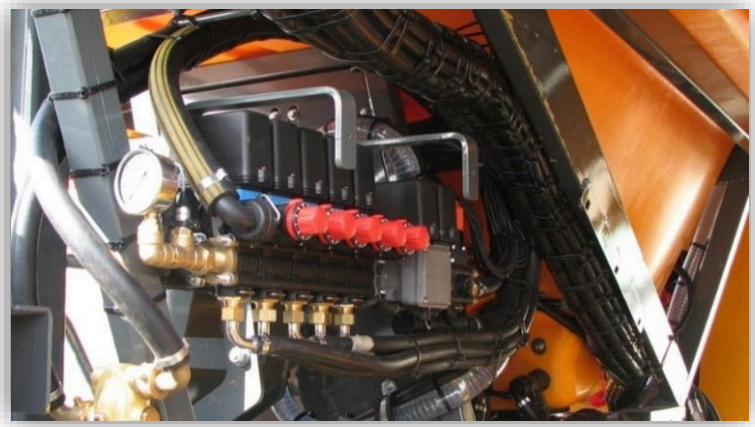
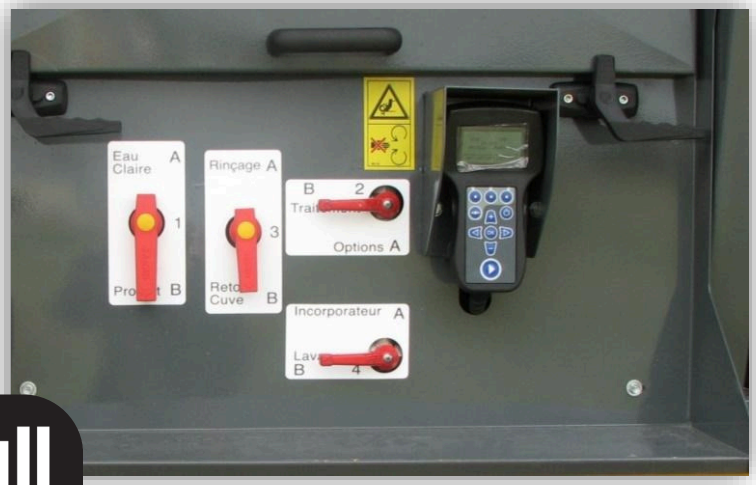
Multiflow Range Shared Monitoring Design





Control and Regulation

- Centralised valve system for easy control
- All settings are displayed on the iMonitor screen in the cab
- DPAE regulation (standard) – flow rate proportional to forward speed
- Electric valves with compensated return
- 5 complete rows + 2 half rows for precise spraying control

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Multiflow Range Shared Monitoring Design

iMonitor Control System

- Direct monitoring from the iMonitor screen in the cab
- Easy adjustment of operating parameters
- Boom management and section control
- Tool operation and monitoring
- Real-time activity monitoring

Benefits:

- Easier implement management
- Improved work efficiency and output
- Simpler machine handling
- Working sequences can be programmed for more efficient spraying operations.

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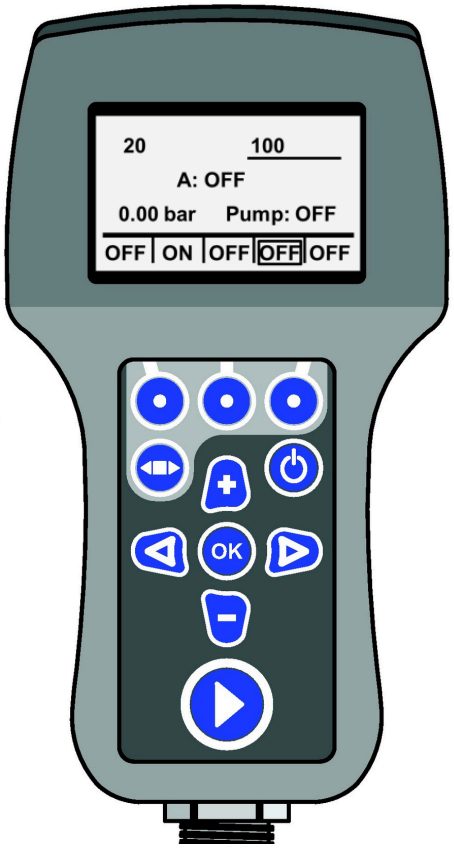
Multiflow Range Shared Monitoring Design



Remote Control Station

- Ergonomic remote control box
- Allows product mixing, chemical induction, and flow control directly from ground level

Benefits:

- Convenient tool for spray mixture preparation
- Optimised maintenance and sprayer washing operations

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Multiflow Progress Turbine

- Polyethylene Turbine
- 520mm turbine hydraulically driven with centrifugal clutch.
- Air box with 8 exits (100mm). Speed parameters are available directly on the harvester screen

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Multiflow Progress Boom

Boom Options

- Two different boom configurations available
- Independent control of the left and right arms

4-Row Boom

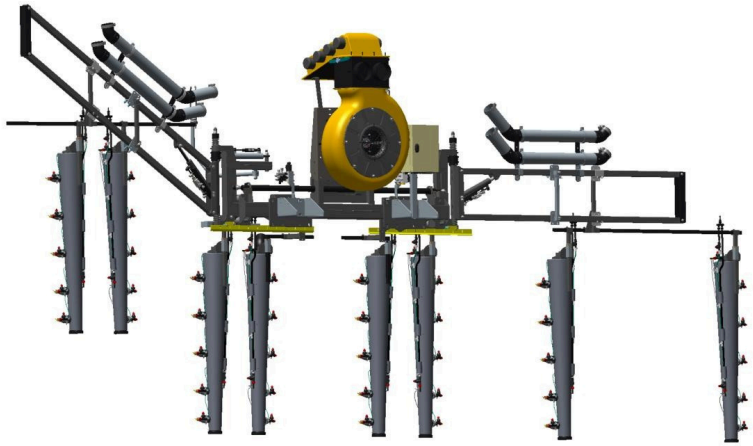
- Designed for vine spacing from 1.80 m to 3.00 m
- Available for GM range

6-Row Boom

- Designed for vine spacing from 1.30 m to 1.60 m
- Available for GM, GL and GX ranges

Adjustment & Control

- Hydraulic levelling correction
- Hydraulic width and row height adjustment from the iMonitor screen in the cab



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Multiflow Quattro Boom

Exponential Boom

- Exponential boom design for improved spray coverage
- Hydraulic automatic levelling correction
- Independent control of left and right arms

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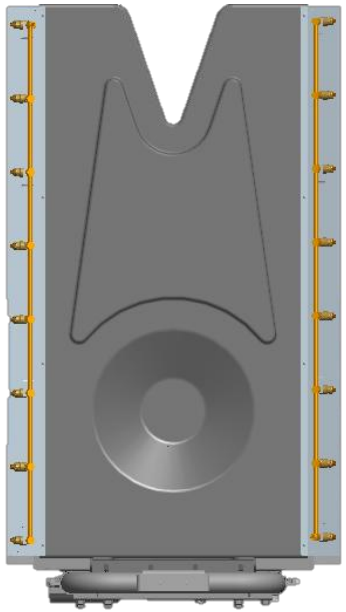
Multiflow Quattro Spraying Heads

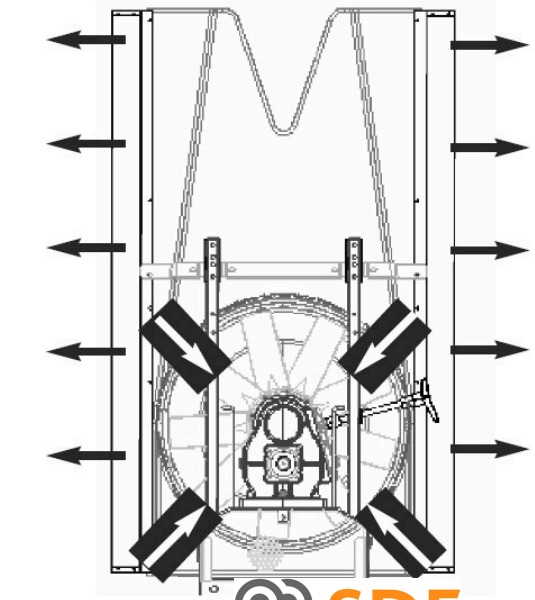
Airflow & Spraying System

- Mist blowing and spraying through 4 VTI arches suspended over the row
- Interlaced arch design for optimal airflow management

Benefits:

- High-quality airflow
- Sufficient air volume to carry the spray effectively
- Excellent foliage coverage and deep spray penetration





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