

Aeroconvection spraying
GREGOIRE POWERFLOW VTD

GREGOIRE

SHIFT TO THE FUTURE

Power,
Accuracy and
Timeliness



* SHIFT TO THE FUTURE

Powerflow VTD



Tank

- **Polyethylene tank** : less risk of damage by heavy chocks. The inside and outside area are smooth. Cleaning of the sprayer is easier and faster.
- **The hand wash tank and the clean water tank** are perfectly integrated in the main tank.
- **Different capacity** to answer to different plantation widths : 1000, 1500 and 2000 liters.



Filters

- **To preserve the different parts** of the spraying circuit, Gregoire uses a triple filtration. One plastic strainer for the filling, a suction filter and a bronze high pressure filter.



Linkage

- **Articulated linkage** for a minimized turning circle.
- **Angle of articulation** : 60° maximum to respect the angle between the PTO shaft and the pump.

Stainless steel strainer

- **The plastic strainer with mixer** assures a good mixing of your chemical product during the filling.
- **The stainless steel strainer with container rinsers** offers not only good mixing but as well an easy cleaning of your products' cans once they are empty. (option)



Rate proportional to forward speed control

- **This system allows to regulate the rate** depending of the forward speed. The right rate is maintained whatever the ground conditions are. You can enter and exit slowly in the row by keeping the right rate.



The straight deflector

- **The straight arch deflector** supplies a straight air flow by using a and reversed air intake
- **Deflectors at a 30° angle** : better penetration without flattening the leaves.
- **Twin jet bronze nozzles** in bronze with anti drip valve offer the possibility to have 2 different flows without rates without to change nozzle.



« An exceptional air flow... »

The Powerflow VTD, compact and simple design, has a 750 mm diameter turbine with reversed air intake to avoid the suction of chemical product, leaves, and shoots... It has a 4 diaphragm piston pump with a maximum flow of 105 L/min at 50 bars. This pump is fitted with 3 valves so it can be equipped with accessories like premixer, rising nozzle ...

The straight deflector, integrating **DX'Plus system**, assures an homogeneous air flow. The air flow is guided horizontally on the complete working height which results in a good repartition of the chemical product.

The stainless steel flaps supporting the twin jet nozzles are inclined by 30° at the rear to increase the penetration of product into the vegetation. The twin jet nozzle holders are mounted on the adjustable flaps

The gearbox with 2 speeds and neutral position offers the possibility to adjust the speed of the turbine to work under all conditions.



« Easy to set up... »

The control unit in the cab controls the right and left electric valves. The electric pressure regulator facilitates in setting sprayer rate. The digital read out informs the driver about pressure and speed.

	Powerflow VTD		
Tank			
Capacity	1000, 1500 and 2000 liters		
Application			
Diameter turbine	750 mm		
Gear box	2 speed and neutral position		
Air intake for turbine	Reversed air intake		
Deflector type:	Dx'Plus system		
Stainless steel air flow adjustment	fixed		
Spraying circuit			
Pump	4 pistons diaphragm 50 bars and 105 L/min		
Filters	Strainer, suction and high pressure		
Regulation standard	Electrical		
Regulation (optional)	DPAE		
Valves	2 electric valves with compensated return		
Quantity of nozzle	16		
Pre mixer 5 liter	option		
Rinsing nozzle in the tank	option		
Plastic strainer	Standard		
Stainless steel strainer	option		
Tyres			
Standard size	1000 liters : 10.0/80x12/10 1500 liters : 11.5/80x15.3/12 2000 liters : 11.5/80x15.3/12		
Dimensions	1000 VTD	1500 TTA	2000 TTA
Length	3536mm	3783mm	4058mm
Height	1963mm	2007mm	2017mm
Overall width	1165mm	1395mm	1470mm
Deflector width	1172mm	1172mm	1172mm
Transmission height	620mm	685mm	695mm