



## FALCON LINE



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# FALCON LINE

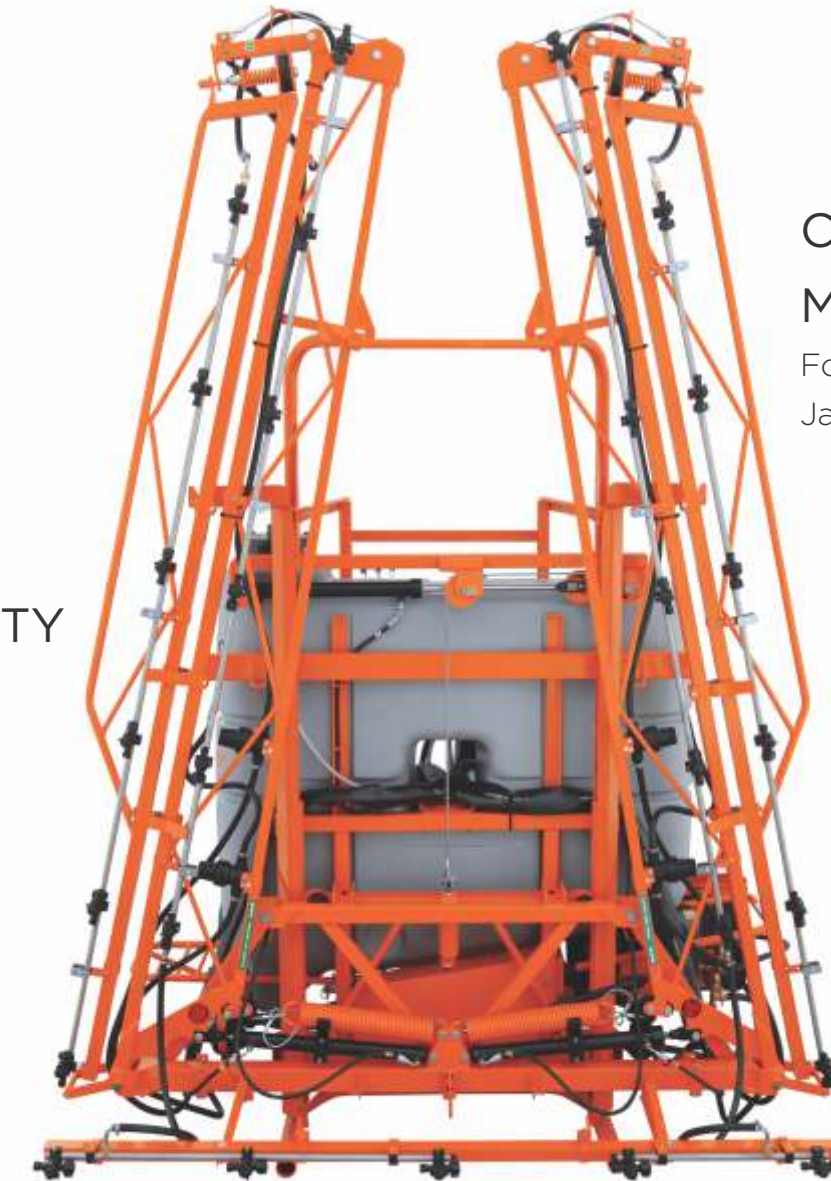
14-METER STABILIZED AND 100%  
HYDRAULIC BOOMS

**Falcon Line** was designed to meet the requirements of farmers seeking efficient application and ensured crop protection, from planting to harvesting.



TANKS WITH CAPACITY  
FOR 600 LITERS

Excellent autonomy.



COMPLETE APPLICATION  
MONITORING

For the 3- point system.  
Jacto Technology.

APPLICATION QUALITY

Suspension keeps the booms stabilized making spraying more uniform. It absorbs impacts caused by uneven terrains thus protecting the equipment.



## FALCON LINE

### HYDRAULIC BOOMS MAKE WORK EASIER, REDUCE MANEUVERING TIME AND IMPROVE APPLICATION QUALITY

To adjust the height (0.50 to 1.30 m), fold and unfold booms (individually or two simultaneously), the operator just has to activate the hydraulic control located within reach. This eases and reduces working time as the operator carries out every operation without getting off the tractor.

Advantages are clear mainly at the field borders, when resuming the operation and overcoming obstacles. Application has better quality and precision as it is perfectly possible to keep the ideal height of the boom even in uneven terrains.



### FALCON 1,400 LITERS

#### 1,400-LITER TANKS

Rear (600 liters) and front (800 liters) tanks ensure excellent autonomy, great stability to the assembly and excellent productivity.

Made in polyethylene, the tanks are extremely resistant to the corrosive action of chemical products.



### EASY TO FILL

Device with platform and quick coupling makes filling faster, safer and offers more comfort and convenience to the operator.



# VORTEX SYSTEM

## TOTAL PROTECTION FOR THE CROP WITH OR WITHOUT WIND

### VORTEX SYSTEM FAN

- Rotation (RPM) - 2800
- Air volume (M<sup>3</sup>/MIN) - 533 (32000 M<sup>3</sup>/H)
- Air speed (KM/H) - 100

- Great plant penetration and coverage.
- Protection even on the underside of leaves.
- Protects the plant from top to bottom.



#### REDUCES DRIFT. APPLIES LOW VOLUME

Wind is not a problem for Falcon Vortex. The air produced in its booms controls drift very well. This allows improving daily production with low-volume applications, reducing the amount of chemical mixture per area and the number of refills.

#### WIND DOES NOT STOP THE WORK. OPERATION IS SAFER.

Reducing drift avoids stopping the work in day with stronger winds. Once drift is controlled, there is more guarantee of protection to the environment and the operator.

#### BETTER CHEMICAL PENETRATION AND COVERGE

Besides improving chemical penetration in the middle of the crop, the air from Falcon Vortex booms promotes excellent coverage even on the underside of leaves.

#### JP-75 or JP-100 Pump



Jacto pumps have ceramic sleeves that are highly resistant to wear and that together with its robust pump mechanical system ensure reliability and low maintenance.

#### FOAM MARKER (optional)



The foam marker provides perfect viewing of the spray swath what prevents chemical failures or overlapping.

#### NOZZLES AND NOZZLE-HOLDERS



Bijet and quadrijet (optional) nozzles allow working with different types of nozzles for different applications and minimizing the time stopped to change nozzles.

#### FILLER UNIT (CLEAN SOURCE - optional)



JP-75 Clean Source Models allow filling the tank quickly without any risk of contaminating the tanks.

#### COMPONENTS. FALCON LINE.

#### IN-LINE FILTERS



In-line filters are an extra protection against early wear and clogging.

#### TANK



Made in high-density polyethylene is resistant to chemical products and impacts. Capacity for 600 liters with level indicator and strainer.



**FAN (VORTEX SYSTEM)**



Produces air that reduces drift and improves chemical penetration in the plants. Positioned to keep the tractor balance.

Adjustable air volume.

**TANK FOR HAND-WASHING**



A clean water tank with capacity for 12 liters for operator to wash hands.

**MAIN FILTER**



With quick closing, it is easily accessed for cleaning. Stainless steel mesh increases durability.

**CHEMICAL MIXER**



Makes filling easier and removes residues from chemical containers.

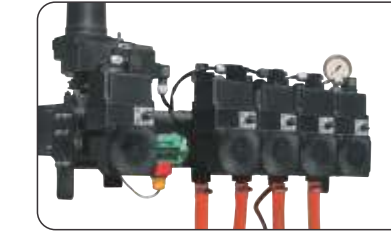
**MASTERFLOW CONTROL - 2  
OR 4 WAYS MANUAL ACTUATION**



Has better application quality.

Masterflow Control keeps spraying volume always constant even with variation in the tractor speed in the same gear. It also keeps spraying pressure constant when one or more sections are closed thus ensuring a better quality finish.

**ELECTRICAL-ELECTRONIC**



Electrical-Electronic Masterflow Control with JSC-5000 Controller and JEC-3200 / JEC-3400 (Vortex) Electrical Control

Programs and keeps spraying volume (L/ha) constant even with variation in the tractor speed. Informs working time, distance traveled, liters sprayed per minute, total and partial sprayed areas and total and partial sprayed volume.

Allows opening and closing spray nozzles through electrical actuation. It is equipped with a switch for manual operations. JEC 3200 Control activates the hydraulic booms and JEC 3400 Control activates fan as well as the functions above.



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### TECHNICAL SPECIFICATIONS

FALCON AM 14



FALCON AM 14 VORTEX



Dimensions	FALCON AM 14	FALCON AM 14 VORTEX
- Length x width x height	1.67 x 2.45 x 3.29 m	1.67 x 2.45 x 3.29 m
- Weight	620 kg	620 kg
Tank		
-Capacity -	600 l	600 l
-Material -	Polyethylene	Polyethylene
-Agitator -	Hydraulic	Hydraulic
Clean water tank		
-Capacity -	12 l	12 l
-Material -	Polyethylene	Polyethylene
Pump		
-Model -	JP-75 / JP-100	JP-75 / JP-100
-Pumping capacity -	75 l/min / 100 l/min	75 l/min / 100 l/min
-Maximum working pressure	300psi	300psi
Chemical filter		
-Model	FVS 100	FVS 100
-Capacity	100 l/min	100 l/min
-Mesh	60	60
Booms		
-Work width	14 m	14 m
-Actuation	Hydraulic	Hydraulic
-Minimal / Maximum height	0.5 a 1.30 m	0.5 a 1.30 m
-Branches - spacing, Nozzle quantity	50 cm / 29 nozzles	35 cm / 41 nozzles - 50 cm / 29 nozzles
-Nozzle-holders	Monojet / bijet	Monojet / bijet
Vortex		
-Maximum rotation	-	2800 rpm
-Air speed	-	100 km/h
-Air volume	-	9 m³/s
Working speed		
	2 to 6 km/h	2 to 6 km/h
Optional items		
	Filler unit Foam marker	Filler unit Foam marker Rose drops - 8 sets