

5 GOOD REASONS

FOR CHOOSING
MARTIGNANI
MIST BLOWERS
WITH THE
ELECTROSTATIC
DEVICE



1

OPERATING ADVANTAGES, COMPARED TO A CONVENTIONAL SPRAYER:

- Drift losses on atmosphere - 85%
- Run-off losses on the ground - 70%
- Perfect and uniform distribution of the agrochemical (minor quantity required per hectare)
- Increased efficiency
- Adaptable to any cultivation form

2

SAVINGS:

- Time: about 60%
- Labour: about 60%
- Chemicals: about 50%
- Water: about 90%

3

PRODUCTION QUALITY:

- Healthier crops
- Fruits without imperfections
- Fruits and wine with "zero" or minimum legal chemicals residues

4

LIFE QUALITY:

- Environmental impact reduction
- Contamination dangers for operators: about - 75%
- Guarantee of health for the consumers

5

TESTIMONIALS:

- Tested (with published results) worldwide by several eminent Research Institutes (three in Italy)
- INTERNATIONAL FAIRS MULTI AWARD WINNING:**
- SIMA - Paris- France (Golden Medal 1985)
- EIMA - Bologna - Italy (Technical Innovation 1988, 2004, 2014)
- AGRIBEX - Bruxelles - Belgium (Silver Spike 1992)
- FIERAGRICOLA - Verona - Italy (Technical Innovation 1994, 1995, 2004, 2016)
- EIMA - Bologna - Italy (Environment Award 2016)
- EIMA - Bologna - Italy (Technical Mention 2021)



TREATED WITH
ELECTROSTATIC[®]
AGRO SPRAY SYSTEM

PHANTOM "NEWPORT20"



www.martignani.com



MARTIGNANI SRL

Via Fermi, 63 - Zona Industriale Lugo 1
48020, S. Agata sul Santerno (RA) Italy
Tel. (+39) 0545 230 77

martignani@martignani.com



BEYOND
INNOVATION,
A CERTAINTY
OVER TIME

PHANTOM "NewPort20"

Articulated Electrostatic Sprayer
for perfect maneuverability in
hilly vineyards



ELECTROSTATIC[®]
AGRO SPRAY SYSTEM

...pioneers since 1981

Drive 6/90: "NewPort20" it has a turning radius of less than 6 meters and can be articulated up to 90°.

From **FIRST** in story...

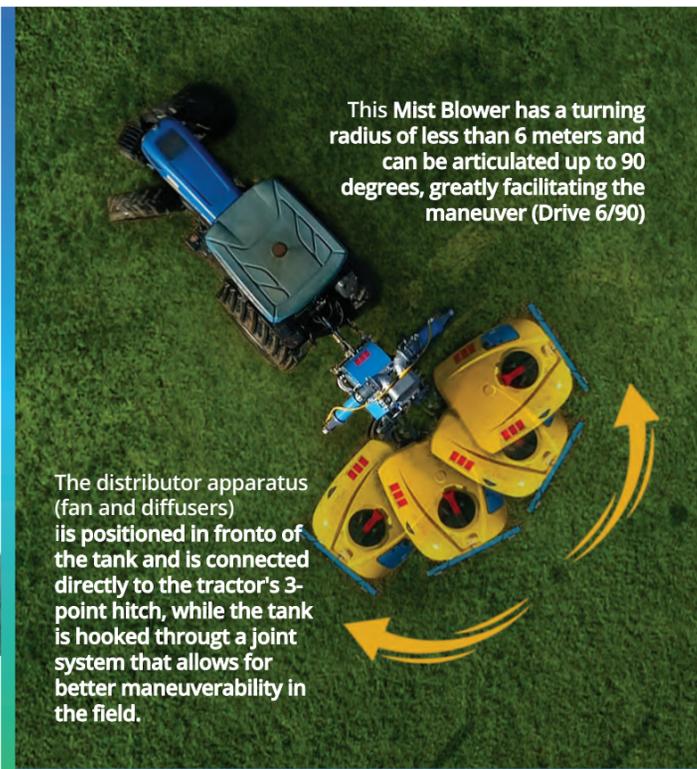
1964

Mod. Port 20
IL PRIMO ARTICOLATO



...to **FIRST** in perfection
for "Electrostatic Low Volume"
treatments with not only **ANTI DRIFT** but
also **ANTI CHEMICAL RESIDUES ON
THE HARVESTS, CERTIFIED!**

**TODAY WE PRESENT THE
EVOLUTION "NewPort20"**



This Mist Blower has a turning radius of less than 6 meters and can be articulated up to 90 degrees, greatly facilitating the maneuver (Drive 6/90)

The distributor apparatus (fan and diffusers) is positioned in front of the tank and is connected directly to the tractor's 3-point hitch, while the tank is hooked through a joint system that allows for better maneuverability in the field.

HERE ARE THE EXCLUSIVE "PLUS" OF THE ARTICULATED PHANTOM "NewPort20":

- **Low Volume*** and sustainable use of crop protection products = **saving of water - time - product**
- Electrostatic charge and reduction of drift losses = **further product savings + ZERO residues on fruit and wine**
- Targeted jet for even distribution within the vegetation = **healthier plants = less need for phytosanitary interventions**
- Higher working speed = **time saving**
- Very low absorbed power: tractors required to start, depending on the equipment, from only 24 or 50 HP in the plains = **fuel economy**
- Available capacities **600 LT, 1000 LT and 1500 LT**

The Phantom Articulated, like all Martignani sprayers, adopts a pneumatic pulverization system which guarantees speed of execution, optimal micronization and constant, uniform distribution, exceptional capacity of range and penetration in any climatic situation and superior efficacy in fungicidal or insecticide treatments.

* **Low Volume MARTIGNANI**

CONSTRUCTION FEATURES

- Tubular steel frame with **DUPLEX*** treatment
- Large reclining platform for tank inspection
- Tank trailer drawbar adjustable in length (3 positions at choice)
- Axles adjustable in width and height
- Wheels with tires and 6-hole rims
- High density polyethylene tank complete with large (d.product mixer basket with container rinsing kit, level indicator, hand washing tank, circuit washing tank
- Centrifugal fan with very high aerodynamic efficiency and reduced power consumption
- Oil bath gear box with device for disengaging the fan
- Self-priming centrifugal pump in stainless steel (flow rate 180 l/with **SSM (Special Seal Martignani)** mechanical seals resistant to the most concentrated chemical mixtures
- Solenoid valves with electric remote control and anti-drip system (PATENTED) and electric pressure regulator
- Stainless steel graduated scale metering valve, available in both the LV version (scale 0-550 l / h for viticulture) and the HV version (scale 0-1300 l / h for fruit growing)

* **DUPLEX:** High-adhesion anti-corrosion primer with cathodic coating + paint

ACCESSORIES ON REQUEST

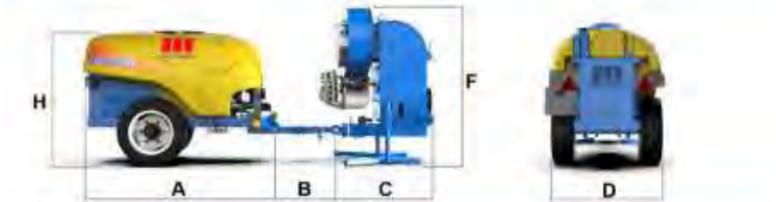
- **Spraying control and monitoring** with 4.0, ISOBUS or PRECISION FARMING systems
- **Road approval** "Mother Regulation"

The "**CALIFORNIA-VINEYARD**" version is perfect for treating two rows of vineyards, i.e. 4 walls for each passage with enormous savings of time because the steps are reduced exactly by half maintaining a light, agile and reliable structure of the machine.

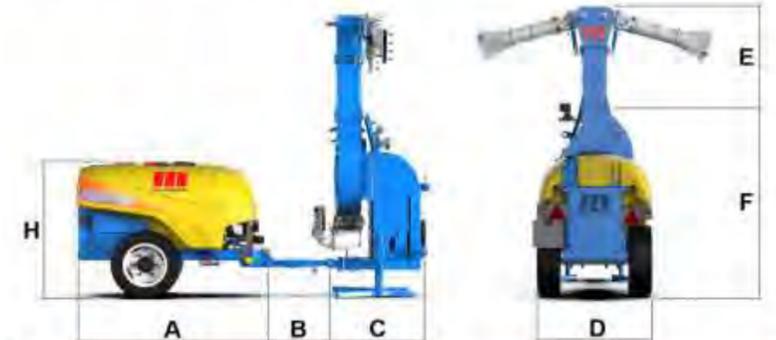
The two upper heads are hydraulically adjustable, from the driver's seat, ideal when working on slopes.

TECHNICAL DATA

Mod. KOMBY



Mod. CALIFORNIA



Description	Phantom Komby			Phantom California		
Capacity (lt)						
Tank	600	1000	1500	600	1000	1500
Circuit Rinsing tank	81	100		81	100	
Hand Wash tank	15			15		
Weight(kg)						
Empty mass	695	740	780	765	810	850
Fully loaded mass	1395	1855	2395	1465	1925	2465
Tires						
205/65 - 15	✓			✓		
225/70 - 15	✓			✓		
260/70 - 15.3		✓			✓	
340/55 - 16		✓	✓		✓	✓
300/80 - 15.3			✓			✓
Dimensions(mm)						
A	1845	2105	2305	1845	2105	2305
B	630 ÷ 950			630 ÷ 950		
C	835			835		
D	205/65 - 15	1010	-	1010	-	-
	225/70 - 15	1030	-	1030	-	-
	260/70 - 15.3	-	1355	-	1355	-
	340/55 - 16	-	1410	1410	-	1410
	300/80 - 15.3	-	-	1395	-	1395
E	tower 400 mm			800		
	tower 600 mm			1000		
	tower 850 mm			1250		
F	205/65 - 15	1545	-	1745	-	-
	225/70 - 15	1555	-	1755	-	-
	260/70 - 15.3	-	1590*	-	1790*	-
	340/55 - 16	-	1600*	1600*	-	1800*
	300/80 - 15.3	-	-	1645*	-	1845*
H	205/65 - 15	1300	-	1300	-	-
	225/70 - 15	1310	-	1310	-	-
	260/70 - 15.3	-	1505*	-	1505*	-
	340/55 - 16	-	1515*	1700*	-	1700*
	300/80 - 15.3	-	-	1740*	-	1740*
Altezza Totale macchina				E + F		
Mist Blower Specifications						
Tractor power required	da 18 kW (24 CV)			36 kW (50 CV)		
Absorbed power by the sprayer	da 13 kW (17 CV)			22kW (30 CV)		
Pump flow rate (l/m)	180					
Operating pressure (bar)	1.5					
Fan air capacity (m3/h)	da 6550 a 10500					
Fan Air Speed (m/s)	da 65 a 85					
Fan rotation speed (rpm)	da 3600 a 4250					
Sound Power level db(A)	104					

* variable measurement +/- 55 mm depending on the position of the axle (high/low)

AVAILABLE CONFIGURATIONS



KOMBY



TWIN
MULTIFLOW



CANNON



CALIFORNIA
ORCHARD



CALIFORNIA
VINEYARD



CALIFORNIA
MULTIFLOW