



XENIS

800 - 1000 - 1200 - 1500



Tecnoma 
Green'novation solutions

www.tecnoma.com



THE CHASSIS

HIGH RESISTANCE STEEL CHASSIS

- 3 point hitching, category II: simplicity and rapidity
- 3 dimensional frame for tank security
- Cat. III hitching for version 1500 ℓ
- Stabiliser legs
- Automatic hitching as standard for the version 1500 ℓ

Option:

- Automatic hitching for the 800, 1000 and 1200 ℓ

Automatic hitching option



THE APPLICATION

TANKS

Tanks that are light, compact, rotomoulded in high density polyethylene. All of TECNOMA' expertise in plastics technology acquired over many years.

Main tank:

- 800, 1000, 1200 and 1500 ℓ
- 2 hydraulic agitators
- 1 or 3 Lav'Tons depending on model
- 1 transparent tube gauge

Rinsing tank:

- 1 clean water tank for effluents
- 150 ℓ for all versions

Hand wash:

- 15 ℓ available located in the operating area
- tank incorporated into rinsing tank

Options:

- Storage compartment protected from spray, incorporated under the main tank
- Dry gauge

Inside tank



Layout of tanks



EASY OPERATING AREA

Simplicity and rapidity

Starting the machine is intuitive using valves fitted with position indicators.

- Step for tank access as standard for the versions 1200 and 1500 ℓ
- Full drain tank by manual valve

Operating area of the Standard circuit with pump PM 301 - 125 ℓ/min:

The STANDARD circuit has a level of equipment that is very complete including:

- A set of ergonomic multi-way valves
- Suction filling of the main tank
- Pump PM 301 - 125 ℓ/min
- 3 Lav'Ton
- 1 valve for 2 hydraulic agitators

Operating area



The expertise of TECNOMA

- Chassis designed for intensive use
- 3 dimensional tank maintaining for excellent rigidity of the assembly
- The paint process is of proven quality and resists chemical attacks: shot-blasting, EPOXY primer and polyester top coat
- Hitching for all tractor configurations
- Chassis designed to create minimum overhang



The equipment of the standard circuit allow the following functions:

- Filling of main tank by suction or gravity
- Filling of rinsing tank by pressure or gravity
- Application
- Agitation
- Rinsing of tank (Lav'Ton)
- Rinsing boom
- Rinsing of boom without return to tank

Operating area for Standard circuit with pre-dispositions.

Options:

- The Incorporator and Lav'Box pack
- Hyper aspiration
- Filling the rinsing tank using the pump
- Pump PM 400 (150 ℓ/min)
- The Spirovit
- Hand lance
- 40 mm CAMLOCK coupling ILO std
- TecFlow system
- Gravity Autonet (with PM 301)
- Autonet integrated
- 10 m hose reel kit



The expertise of TECNOMA service, safety and preservation of the environment

- Clever assembly of the different tanks for complete integration and a more compact size
- Smooth tank wall: limited waste residues and easy cleaning
- The forms are designed to ensure low centre of gravity for increased stability
- Rinsing tank positioned in the centre of the main tank and towards the front for better balance and to reduce overhang
- 3 lav'tons as standard: rotative washing nozzles for complete rinsing of the main tank
- Pipe length are as short as possible and their diameters are optimised to reduce wasted volume: less product lost, simplified control of effluents

Basic valve pack



Valve pack in option



PUMP AND FILTRATION

Pistons-diaphragm pump to ensure a stable flow at a wide volume and pressure range.

The pump is completely incorporated into the form of the tank and is aligned with the PTO to maximise the working life of the drive shaft.

Its position optimise accessibility and visibility for easier maintenance.

- Piston-diaphragm pump PM 301 – 125 ℓ/min
- Safety valve 12 bars
- Single shaft drive
- Filling filter 500 microns
- Suction filter with valve 365 microns

Options:

- Pump PM 400 – 150 ℓ/min
- Suction hose with filter
- Super-filtration

THE REGULATION

3 regulations for perfect homogeneous distributions.

REGULAIR

Regulation by constant pressure with pneumatic assistance. Wide flexibility and working comfort thanks to the control joystick in the cab for the application and hydraulic functions. General On/Off control of the sections (up to 5 sections) may be simultaneous or independent. Hydraulic circuit selector switch (SC).

Check the pressure with a class 1 pressure gauge with a large diameter and large scale.

Display up to 16 bars with higher accuracy between 0 and 8 bars. Diameter allows it to be read easily from the cab. Pressure gauge fitted to circuit with permanent circulation to avoid any clogging and provide complete rinsing or frost protection. Pressure gauge is protected and incorporated into the rinsing tank.

Use : The pressure regulator spring is replaced by an air chamber that is inflated to the required pressure.

ADVANTAGE FOR USER: Once the pressure has been set, it remains constant and the regulator automatically compensates the section breaks without any need for calibrated returns. The pressure may be set in the cab using a pneumatic compressor control.

Control joystick in cab for XENIS REGULAIR



Characteristics	PM 301	PM 400
Max.speed	540	540
Flow rate (ℓ/min) at 15 bar (nominal speed: 540 rpm)	125	150
Weight (kg)	15,8	27,4
Absorbed power (hp) at 540 rpm	5,4	6,57

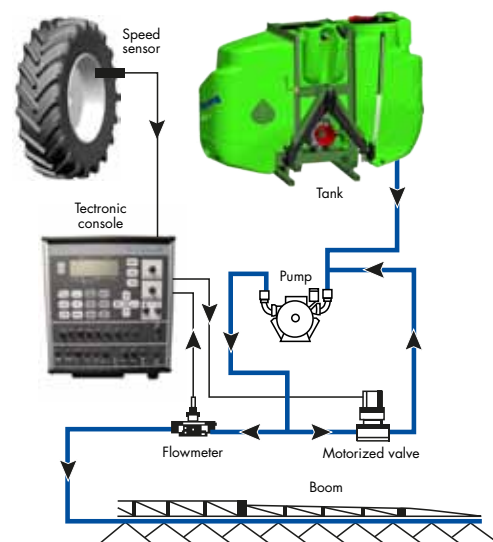




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Example of DPAE regulation
Operating principle



ELECTRA

Regulation proportional flow to motor (DPM). Electrical adjustment via the joystick in the cab. The DPM regulation ensures a constant flow rate/ha even when engine speed varies. The DPM regulation has distribution with a calibrated return that can be adjusted for each section. These adjustable calibrated returns ensure the flow rate/ha is respected when changing sections. The calibrated returns need to be set when changing the nozzle sizes.

Use: the DPM regulation is particularly suited for applications in parcels whose relief causes variations in the engine speed and therefore the speed.

TECTRONIC

DPAE regulation (proportional flow to forward speed). Only one parameter to enter : rate/ha. The DPAE regulation that operates through a flow meter is completely independent of the choice of nozzles or the viscosities and densities of the products to be sprayed. The user therefore has no additional calibrating or setting to make. The TECTRONIC allows the user, within the recommended range of use of the nozzles, to vary the advance speeds as desired. Suitable for Precision Agriculture combined with the TRACKGUIDE II unit.

A single parameter: the rate/ha

THE BOOMS

All of the booms in the XENIS range are fitted with PENTAJET nozzle holder with DVC and 2 or 4 nozzles in the NOZAL range. The use of ROTOFLEX connectors (depending on model) prevents the hoses from being pinched or nipped when folding and unfolding. The booms are fitted with a removable safety end in case obstacles are encountered.

3 types of booms

GC boom

Manual, steel 12 and 15 metres

- Rear cross folding
- Stainless steel nozzle holder pipes
- ALBATROSS pendulum suspension as standard on GC 15 metres
- Distribution by TECNOMA solenoid valves
- 3 sections (12 m) - 4 sections (15 m)

Hydraulic version 12 and 15 metres

- Requires 1 DA and 1 SA spool valves for basic version
- Hydraulic SC control (circuit selector)
- Hydraulic winch
- Albatross Suspension

GC boom options:

- Height adjustment (manual version)
- ALBATROSS suspension for 12 m version (manual version)
- 5 sections instead of 4 for the 15 m version
- Boom end nozzles manual control
- Hydraulic tilt if suspension
- Foam marker

GDM boom

Hydraulic steel 15 and 18 metres

- Rear vertical boom folding
- Single side fold
- Flexible feed and spray lines
- Hydraulic boom lift with nitrogen accumulator
- ALBATROSS pendulum suspension as standard for more stability
- Hydraulic lock
- Articulations fitted with bushes and grease nipples to increase working life of parts
- Distribution by TECNOMA solenoid valves
- Hydraulic control using circuit selector
- 5 sections

GDM boom options:

- Hydraulic tilt
- STAINLESS STEEL pipes for PENTAJET
- Electro-distributor
- Boom end nozzles manual control
- Foam marker
- NOVATOP version available

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Hydraulic steel 15, 16, 18, 20 and 21 metres

- Simultaneous folding/unfolding
- ALBATROSS pendulum suspension as standard for more stability
- Articulations fitted with bushes and grease nipples
- Flexible feed and spray lines
- Distribution by TECNOMA solenoid valves
- 4 sections (15, 16 and 18 m) and 5 (20 and 21 m)

hle boom options:

- Single side fold for 15, 16 and 18 m
- Hydraulic tilt
- Boom end nozzles manual control
- Foam marker

GC hydraulic boom



GDM boom single side fold



hle boom



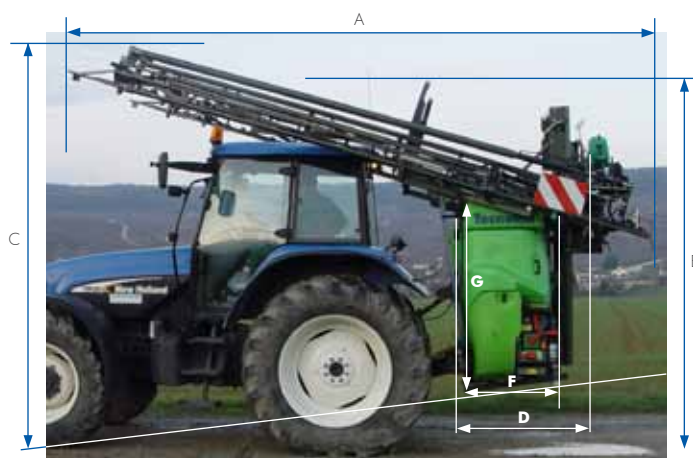


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WEIGHT AND DIMENSIONS

Dimensions (mm)	Overall length (A)	Overall width (B)	Overall height of machine from ground (C)	Distance from coupling to boom nozzle (D)	Sprayer height open boom (E)	Tank depth (F)	Tank height (G)
XENIS 1000 l hle 18 m l	4300	2520	3250	1250	2650	750	1150



XENIS 1012 GC hydraulic	760 Kg
XENIS 1015 hle	900 Kg
XENIS 1018 hle automatic hitching	900 Kg
XENIS 1221 hle	1260 Kg
XENIS 1018 GDM automatic hitching	1100 Kg
XENIS 1215 GDM automatic hitching	1080 Kg
XENIS 1218 GDM	1120 Kg



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Genuine parts available spare parts on CD and all the NOZAL nozzles range.

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