

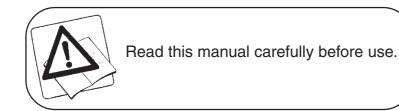




USE AND MAINTENANCE MANUAL

MISTBLOWERS

TOWED MISTBLOWERS LASER - FUTURA - EXPO series AT STD/TOP - AT BASE







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Thank you for having chosen UNIGREEN.

The product you purchased has been designed and built with the greatest attention to the safety of the operator and the environment, nevertheless there are still some residual risks due to the nature of the product used. For this reason we recommend reading all of this manual to avoid making mistakes in the first period of use and to get the most out of the working life of the sprayer in time, doing the programmed maintenance at regular intervals.



USING AND KEEPING THE USE AND MAINTENANCE MANUAL 1

The manual is an integral part of the machine and should be kept in a safe place where it can be reached easily for consultation.

COMPOSITION OF THE MANUAL 1.1

This manual consists of various parts to make it easier to consult by subject and to avoid repetitions; the following are part of the manual:

- pump handbook a)
- b) pressure regulator handbook (manual or electric)
- spraying computer handbook (if fitted) c)

d) optional accessories handbooks (marker, premix, cardan shaft, etc.) UNIGREEN reserves the right to make changes to the manual without prior warning and the normal printing cycles may vary slightly.

1.2 **GUARANTEE**

The enclosed card indicates the conditions of the UNIGREEN guarantee. The UNIGREEN guarantee covers the repair or replacement of parts considered manufacturing flaws, according to the unquestionable judgement of UNIGREEN, only after the authorised agent for that zone has verified the fault. Ambit of the guarantee

The guarantee doesn't cover cases of normal wear, negligent use, poor maintenance and/or improper use.

The following materials subject to normal wear are not covered by the guarantee: gaskets and seals, diaphragms, seal rings, tubes and pipes, nozzles, pressure gauges, oil, tyres, friction material of the clutches.

Evident cases of negligence include: work speed over that indicated in the spraying tables in the handbook (or too high for the conditions of the terrain), use of herbicide booms without an auto-levelling system or with the autolevelling system blocked, power-takeoff speed over 540 rpm.

Mounted mistblowers: activation of the three-point elevator with cardan shaft engaged and power-takeoff operational.

And anything else indicated in the present Use and Maintenance Manual. Maintenance:

The guarantee is void if the maintenance indicated in the tables in this manual isn't respected, regarding the period and deadline of the interventions, washing the machine and the circuit at the end of the treatment. Improper use:

The use the UNIGREEN machines are designed for is indicated in this manual, any other use is forbidden and makes the guarantee void.

PRODUCT RESPONSIBILITY 1.3

UNIGREEN spa is not responsible if:

a) During the working life of the machine the normal maintenance operations aren't performed and documented as indicated in this handbook, in the enclosed handbooks of the pumps-motors-regulators-etc. and in any case as is customary for the normal maintenance of mechanical machinery.

The machine is equipped with non original accessories or components or b) parts that aren't acknowledged by UNIGREEN as their own.

The machine is equipped with original accessories or components that are C) unsuitable in the measurements, weight or version for the same. Please consult the page of available and recommended fittings.

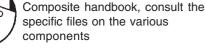
d) Not following the instructions in the manual whether totally or partially.

Modifications made to the machine that haven't been authorised by e) UNIGREEN.

1.4 WARNING SIGNS IN THE MANUAL AND ON THE MACHINE

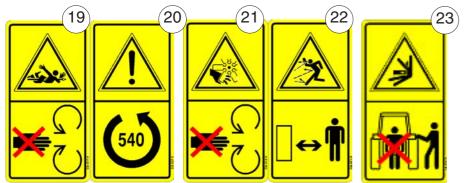
Below you will find all of the pictograms on the machine (see FIG.1 for their position), in order to illustrate the warnings, the prohibitions and the correct method of use.

The operations that require particular attention are shown in the images beside the text.



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2 SAFETY REGULATIONS AND RESIDUAL RISKS

In relation to safety, the following terms will be used:

Dangerous zones: any zone inside and/or near the machine where the presence of a person exposed constitutes a risk for the safety and health of the same person.

Person exposed: any person who has their body or any part of their body in a dangerous zone.

Before starting the machine, the operator must check for any visible faults in the safety devices and the machine itself.

Never start the machine until you have told anyone in the range of action of the machine to move away and they have done so.

The protective devices must not be removed or disabled when the machine is running.

It is obligatory to keep all the plates with danger and safety signs in perfect conditions. If they get damaged or deteriorate, replace them in good time. Replace parts believed to be faulty with others indicated by UNIGREEN. NEVER try makeshift or hazardous solutions.

Don't wear clothes, jewellery, accessories, or anything else that can get caught in the moving machine members.

Pay the greatest attention to all the warning and danger signs on the machine. Don't use the machine for any other purpose other than that indicated in the manual.

The machine has been designed and built with the appropriate devices to guarantee the safety of the user.

In any case there are some residual risks associated with the improper use of the machine by the operator; for this purpose danger signs and symbols and prohibitions are applied near some parts of the machine (see previous pictograms).

Key to the symbols

1- Read the Use and Maintenance manual

2- Stop the machine and read the manual before every intervention

- 3- Don't lubricate while running
- 4- Don't drink
- 5- Don't dispose of residue liquids in the environment
- 6- No smoking

7- Danger, risk or injury, don't get near the machine until the moving machine members have stopped

8- Danger of crushing, don't get your hands near the moving mechanical machine members

9- Danger, risk or injury caused by fluids under pressure

10- Don't climb on the machine during work or transfers

- 11- Don't climb on the tank
- 12- Don't enter in the tank
- 13- Wearing earmuffs is obligatory
- 14- Wearing a face mask is obligatory
- 15- Wearing safety footwear is obligatory
- 16- Wearing protective gloves is obligatory
- 17- Wearing protective overalls is obligatory

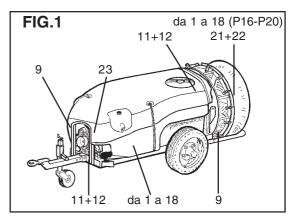
18- Use a working pressure under that indicated in red on the manometer.

19- Don't get your hands near the moving cardan shaft

20- Make sure power-takeoff of the tractor turns in the right direction and runs at the right speed. 21- Don't remove the protecting device with fan moving.

22- Material shooting off the machine, stand at a safe distance.

23- Don't stand between the machine and the tractor.



INDICATIVE POSITION OF THE WARNING SIGNS ON THE MISTBLOWERS NB: the position may vary on the basis of the characteristics of the model.





2.1 INTENDED USE

The sprayer in this series is built for agricultural use. The materials used are resistant to normal chemical products used in agricultural spraying (or herbicides) at the time of construction.

Any other use is not allowed and the manufacturer is not responsible for any damage caused by aggressive, dense or sticky chemicals.

THE USE OF THE MACHINE BY PERSONS UNDER 18 YEARS OF AGE IS STRICTLY FORBIDDEN

The use of liquid fertilizers in suspension is not allowed, while the use of the same in a solution is possible if requested when the machine is ordered from Unigreen and in any case changing some of the parts described in the handbooks of the regulator, such as the manometer (stainless steel), the nozzles (large diameter ceramic) and eliminating the fine mesh filters to prevent blockages.

2.2 PROHIBITED USE

- Using the machine with the following products is strictly forbidden:
- = Paints of any kind and type
- = Solvents or thinners for paints of any kind and type
- = Combustibles or lubricants of any kind and type
- = LPG or gas of any kind and type
- = Flammable liquids of any kind and type
- = Liquid foodstuffs, whether for animals or humans
- = Liquids containing granules or consistent solids
- = Mixtures of various incompatible chemical products
- = Liquid fertilizer or manure in suspension with lumps and/or that is particularly dense
- = Liquids with a temperature of over 40°C
- = Any products that aren't suitable for the specific use of the machine.

2.3 USING CHEMICAL PRODUCTS

All pesticides or herbicides can be dangerous to humans and the environment if used erroneously or inadvertently.

Therefore we recommend that only suitably trained persons should use these products (license) and in any case only after having carefully read the instructions on the container.



2.3.1 REGULATIONS FOR THE USE OF CHEMICAL PRODUCTS

Some recommendations for avoiding damage and accidents:

= Keep the machine in a suitable, protected place with no access for children or strangers

= Handle the products with care, wearing rubber acid-proof gloves, gogglesface masks or filtering helmets, overalls made of water-repellent fabrics or TIVEK and boots made of rubber or similar materials.

= If chemical products or mixtures of product come into contact with the eyes or are swallowed consult a doctor immediately, taking the label of the product with you.

= Wash all clothes that come into contact with the chemical, whether diluted or undiluted, thoroughly before using them again.

= Don't smoke, drink or eat when preparing or spraying the mix or near or in the fields treated.

DON'T ENTER THE TANK: the residues of a chemical product can cause poisoning and suffocation.

= When spraying, respect safe distances from residential areas, water courses, roads, sports centres and public parks or paths.

= Thoroughly wash the containers of plant protection products using the relevant accessories, rinsing several times with clean water. The liquids used for washing can be used for treatment.

= Collect the washed containers and send them to the relevant collection centres. Never dispose of them in the environment and don't use them again for any other purpose. It is good practice to knock a hole in the bottom of the tins so they can't be used again.

= When you have finished spraying, wash the sprayer thoroughly, diluting the residues with a quantity of water at least 10 times that of the residues, spraying the resulting mix over the treated field.

2.4 RECOMMENDATIONS

a) Refer to the present handbook for the use and maintenance of the frame, tank, auto-levelling systems, elevators, mechanical and hydraulic herbicide booms, spray booms and hose reels.



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Refer to the enclosed handbooks for the use and maintenance of the pump and pressure regulator and any accessories or motors.

b) Please contact the agent in your zone, the nearest authorised workshop or UNIGREEN S.p.A. directly for any repairs the user feels they aren't capable of performing alone. (see point 10.4)

c) Due to the complexity of the equipment and the variety of technologies used (mechanical, hydraulic, oil-pressure and electrotechnical) operators must not dismantle or modify the equipment. All of the relevant operations must be performed by specialised personnel, authorised by UNIGREEN S.p.A.

2.4.1 TAKING PRECAUTIONS AGAINST FIRE HAZARDS

Don't use naked flames or heat sources near the machines. The mistblowers are made with many materials that derive from petroleum: tanks, tubes, pipes and hoses, wheels and plastic parts; furthermore the presence of oils of various nature and residues of chemical products make them potentially flammable.

2.5 WEATHER CONDITIONS

We recommend spraying in the early hours of the morning or late in the afternoon, avoiding the hottest time of day.

Never do any spraying if it's raining or rain is forecast.

Don't spray in strong wind or in any case, in winds above 3/5 m/second. If you have to spray in windy conditions, use relatively low pressures to obtain quite large drops that are less sensitive to drifting (being heavier the wind has less effect). There are also special anti-drift nozzles available from UNIGREEN S.p.A.; for information, please contact our offices.

2.6 MACHINES DESIGNED TO BE USED ONLY WITH CLEAN WATER

There are versions of the machines designed only to be used with a hose reel for washing with cold clean water.

These machines cannot be used with chemical products as they don't have some of the devices or accessories that are needed to use these products safely. These machines are identified by the word "washing" on the CE plate.

2.7 DRIVING ON THE ROAD

The towed mistblowers are not specifically designed for road use. Nevertheless, many models are also available in the version homologated for road traffic with the tank empty.

You should check with your local reseller on the correct couplings to use and use tractors that meet the regulations in force.

3 CHARACTERISTICS AND SPECIFICATIONS

This handbook is valid for mounted and towed mistblowers with axial fans for phytosanitary treatment in orchards and vineyards, in any case for arboreal cultivation in rows of varying nature and type.

It is also valid for cannon mistblowers for the phytosanitary treatment of tall plants and forest trees such as poplars or similar.

The axial mistblowers produce a mixed spray, breaking the drops with the pressure and the speed of the air produced by the fan.

These mistblowers produced by UNIGREEN SPA are identified by the CE plate (FIG. 2) bearing one of the marks indicated in the tables of the allowed fittings (see the following paragraph).

3.1 TABLES OF FITTINGS ALLOWED

Tables N° 14b-15b-16b let you identify the version of your machine indicating the basic equipment and all the possible fittings available (optional). You can also find the other fittings allowed or other versions to meet your requirements in the future.

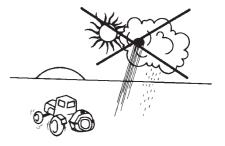
THE EQUIPMENT DEFINED IN THE TABLES OF THIS HANDBOOK (TAB: 14b-15b-16b, page 37, 38, 39) SHOULD BE CONSIDERED BINDING FOR THE VALIDITY OF THE DECLARATION OF CONFORMITY.

Other fittings or setups of basic components and/or optionals should be considered unsafe and therefore are not covered by the guarantee and aren't UNIGREEN's responsibility.

The same goes for fittings realised with components or accessories that aren't original UNIGREEN parts.

UNIGREEN accessories can easily be identified by the label with the yellow background "ORIGINAL UNIGREEN ACCESSORY"





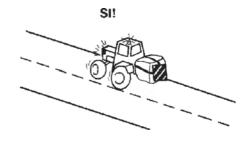




FIG.2



3.2 NOISE LEVEL OF THE MACHINE

Use earmuffs to protect your ears when using the machine, below you will find the data on the maximum noise levels during work.

Atomisers with axial fan rotor

ACOUSTIC POWER LEVEL emitted by the machine with axial fan rotor: 113.5 and 118.5 dBA respectively in 1st and 2nd gear

ACOUSTIC POWER LEVEL AT THE OPERATOR'S POSITION emitted by the machine with axial fan rotor: 89.0 and 89.5 dBA respectively in 1st and 2nd gear

Atomisers with centrifugal fan rotor (cannon)

ACOUSTIC POWER LEVEL emitted by the machine with axial fan rotor: 111.5 and 117.5 dBA respectively in 1st and 2nd gear

ACOUSTIC POWER LEVEL AT THE OPERATOR'S POSITION emitted by the machine with axial fan rotor: 94.0 and 97.0 dBA respectively in 1st and 2nd gear

Readings taken in accordance with the following standards:

Machines Directive 98/37/CE (89/392 CE Dir. re-codified).

Legislative Decree D.Lgs. n°292 of the 4th of September 2002 concerning the environmental acoustic emission of machines and equipment for use outdoors. Legislative Decree D.Lgs. 277/91 on the subject of the protection of workers against the risks deriving from exposure to chemical, physical and biological agents.

3.3 STANDARDS OF REFERENCE:

- MACHINES DIRECTIVE 98/37/CEE (89/392 CE Dir. re-codified).

- Directive 86/188/CEE: risks deriving from exposure to noise (implemented in Italy by Legislative Decree D.L 277/1991)

- DPR 547/1955: Regulations for the prevention of accidents and hygiene at work. - Legislative Decree D.Lgs. n°292 of the 4th of September 2002 concerning the environmental acoustic emission of machines and equipment for use outdoors. -UNI EN ISO 12100-1/Apr.2005 : Machinery safety - Fundamental concepts,

general design principles - Part 1: basic terminology, methodology -UNI EN ISO 12100-2/Apr.2005 : Machinery safety - Fundamental concepts, general design principles - Part 2: Technical principles

-UNI EN 294/July 1993: Machinery safety, safe distances to avoid reaching hazardous areas with upper limbs.

-UNI EN 349/June 1994: Machinery safety, minimum spaces to prevent crushing of body parts

-UNI EN 907/Nov.1998: Agricultural and forestry machinery - Sprayers and spreaders of liquid fertilizers - Safety.

-UNI EN 954-1/Dec. 1998 : Machinery safety - Fundamental concepts, general design principles

-UNI EN 982/July 1997: Machinery safety. Safety requisites relevant to systems and their components for hydraulic and pneumatic transmissions. Hydraulics. -UNI EN ISO 4254-1/June 2006: Agricultural machines - Safety - Part 1: General requisites

-ISO 11684/1995: Pictograms - general principles.

4 USER'S INSTRUCTIONS

4.1 DESCRIPTION OF THE MACHINE

The mistblowers consist of a structural steel frame and a polyester tank reinforced with fibreglass or high-density polyethylene. The frame is hotgalvanised. The tank is easy to empty and this makes it possible to use the machine even on hillsides.

The pumps are generally diaphragm pumps but in some cases they are fitted with pistons.

The accessories for completing the fitting, non-drip jets and ceramic nozzles make the UNIGREEN mistblower a highly qualified and efficient piece of equipment.

4.1.1 HANDWASHINGTANKS

The mistblowers are supplied with an auxiliary hand-washing tank with clean water and a hand tap.

This tank must always be supplied with water and the inside must be clean so you can wash any parts of the body that come into contact with the chemical product used.

Never drink the liquid inside.



This symbol identifies the clean water tank on the machine used to wash your hands

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4.2 PRELIMINARY CHECKS

When you receive the machine, check that it is complete and no parts are missing.

If there are any damaged parts, inform your local reseller or UNIGREEN directly in good time.

When the machine is delivered, make sure you ask:

a) that the machine is delivered with all of its parts fitted and that the fitting meets the requisites in table N° 14b-15b-16b (pages 37, 38, 39). This procedure is necessary because for reasons of space during transportation the machine is often delivered partially dismantled.

b) that it is tested in your presence in particular checking:

= that the suction filter and the inside of the tank are clean and free of work residues.

= that the connections are made correctly following the basic layout (FIG. N $^{\circ}$ 17, page 16).

= that the hose clips and all the unions and connections are tightened properly.

= that all of the protective covers are fitted solidly to the machine, in particular the protective cover of the power-takeoff of the pump.

= that the multiplier is sufficiently supplied with lubricant oil.

= that the zone where the fan turns hasn't been bent by knocks during transportation.

4.3 TRANSPORTING AND MOVING THE MACHINE

Every time you have to lift the machine, before starting the operation, always make sure the lifting gear and the relevant tools and equipment (cables, hooks, etc..) are suitable for lifting the load and check the stability of the same.

It is forbidden to unhook and move the machine with the tank full.

The dry weight of the machine at the maximum level of fitting and with all the accessories allowed is stamped on the nameplate; use slings and lifting gear with a adequate load-bearing capacity (FIG.3).

Never lift or move the mistblowers by hand if there is liquid in the tank. The machine will weigh more and the movement of the liquid can change the centre of gravity causing uncontrolled movements.

We recommend using slings as shown in the figure, the lifting points to use on the machine are indicated with the relevant symbol.

Don't lift the machine with the forks of a forklift truck because the machine can tip over due to the overhanging weight of the blower group.

Don't pass or stand under the machine when it is being lifted.

4.3.1 TOWED ATOMISERS

PARKING

Don't stand the mistblower on unstable ground or steep slopes, the machine is designed to be parked safely on compact ground with a slope of up to 8.5° using the relevant chocks (FIG. 4) in the following way:

- Machine parked with drawbar uphill (max 8.5°), place the chocks behind the wheels.

- Machine parked with drawbar downhill (max 8.5°), place the chocks in front of the wheels.

- Machine parked across the slope (max 8.5°), place one chock in front of the drawbar wheel (in the direction of the slope) and the other in front of the wheel uphill.

MOVING

To lift the machine, follow the instructions above.

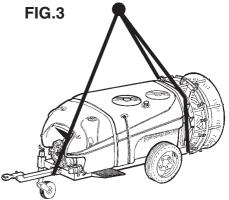
The towed mistblowers have an extendable drawbar parking wheel so the machine can be moved around by hand on flat, compact ground, with the tank empty.

To make moving the mistblower around easier when it is disconnected from the tractor, on the machine and on the drawbar there are supports for positioning the: - cardan shaft: hinged rest on the drawbar parking wheel.

- manual pressure regulator: bayonet housing on the drawbar.

- electric pressure regulator: pushbutton panel support (the cable must be

- coiled around the same to stop it getting in the way).
- Brake levers if fitted: bayonet housing on the drawbar.



Only move and lift the machine with the tank empty





This symbol identifies the coupling points of the machine





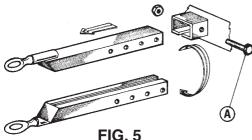


FIG. 5



The parking wheel in the mistblower's work position.

4.4 TRACTOR COUPLING

= The tractor must be equipped with a 1"3/8 ASAE DIN 9611/A at 550 rpm power-takeoff capable of supplying the power necessary for operating the machine.

= It must have a towing hitch (towed mistblowers with a towing eye or fork drawbar) and a three-point elevator (for mounted machines and a steering drawbar for towed machines) suitable for safely bearing the weight of the mistblower.

= It must be able to tow the maximum overall mass of the machine. All of the characteristics required are indicated in the fittings tables 14b-15b-16b on pages 37-38-39 (the total mass is also indicated on the CE plate on the machine).

WARNING: make sure there are no persons or things near the mistblower before starting the machine and while you are using it.

4.4.1 DRAWBAR WITH TOWING EYE OR FORK

= Check that the weight on the hook can be supported by the tractor (the maximum weights on the drawbar are indicated in the fittings tables 14b-15b-16b on page 37-38-39)

= Hook the drawbar to the towing hitch adjusting the height of the same hook so the tank of the sprayer is horizontal. You can also rotate the drawbar as shown (FIG. 5).

= Retract the parking drawbar wheel (or foot) so it doesn't get damaged during work.

= Position the pressure regulator in a place where it is easy to reach from the driver's seat. Don't carry liquids under pressure inside the cabin; use the relevant electrical or cable controls for these tractors.

= Check that the pipes of the pressure regulator (or the electrical cables on a pushbutton control panel) don't get in the way and are positioned at a safe distance from the cardan shaft and the wheels of the tractor.

= You must purchase the brake kit if the towed mistblower will be used on hillsides.

4.4.2 STEERING DRAWBAR (COUPLED TO ELEVATOR)

= Check that the diameter of the elevator coupling pins coincide with the tractor (adapter bushes are available on request).

= Check that the weight on the elevator can be supported by the tractor (the maximum weights on the drawbar are indicated in the fittings tables 14b-15b-16b on page 37-38-39)

= Check that the steering joint is lubricated with grease.

= Connect the drawbar to the elevator using the elevator control to keep the tank of the sprayer horizontal.

= When you have connected the drawbar proceed as for the towing eye drawbar.



4.4.3 STEERING DRAWBAR (TOWING EYE)

Special steering drawbars with a towing eye, homologated for road traffic, are available on request and another manual is supplied with the instructions on using this.



4.4.4 ADJUSTABLE HUBS

If the mistblower has adjustable hubs you can adjust the height of the machine; to do this, lift the machine as explained in point 4.3, loosen the 8 axel fixing screws, pull off the hub and position it in the desired position.

4.4.5 HYDRAULIC CONNECTION TO THE DISTRIBUTORS

Machines that need a hydraulic connection to drive the movements of the cannon are equipped with 1/2", "Push-Pull", quick-fit male couplings. You can connect the pipes by simply pushing them in, making sure you:

- do so only with the engine turned off;
- lower any tools connected to the elevator of the tractor;
- carefully clean the two parts that will be coupled

Warning: the hydraulic cylinders used are the "Double Effect" type. Consult the use and maintenance manual of the tractor.

4.5 CARDAN SHAFT

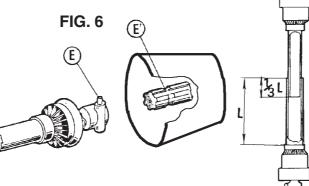
In some models this is supplied on request. The cardan shaft must bear the CE mark.

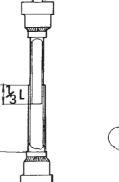
It must always have its own instructions that must be followed scrupulously and it should come with a cover bearing the mark, integrated in every part. You should have previously checked the length to avoid:

- = if it is too long, DANGEROUS THRUST ON THE PUMP SHAFT
- = if too short, the POSSIBILITY OF DANGEROUS BREAKAGES

THE MINIMUM OVERLAP OF THE TWO TELESCOPIC TUBES MUST NEVER BE LESS THAN 1/3 OF THE LENGTH OF THE TUBES.

The power that can be transmitted by the cardan shaft must be at least equal to that required to run the mistblower. These power ratings are indicated in tables N° 14b-15b-16b (pages 37-38-39).





Hook any safety chains to solid anchor points

- a) Hook any safety chains to solid anchor points
 b) Check that the button or ringnut "E" (FIG. 6) is correctly engaged and
- blocked both on the pump side and on the tractor side.
- c) Don't exceed an inclination of 30° in any direction for any reason
- **d)** With the machine stopped, periodically grease the spiders and the pipes, keeping the connecting zone particularly clean.

e) Avoid letting the end of the cardan shaft come into contact with the ground with the machine stopped; use the relevant support on some versions for this, if your machine has no support, hook the external safety chain to a part of the frame of the machine (ex. control unit support).

f) For towed mistblowers with a steering drawbar, be very careful not to lift the arms of the elevator too high to prevent the cardan shaft touching parts of the drawbar.

I) For towed mistblowers, avoid very tight steering circles with the cardan shaft turning (max 30°) as this could damage both the cardan shaft and the feet of the pump (FIG. 7).

NEVER USE THE CARDAN TRANSMISSION IF THE FOLLOWING PROTECTIVE COVERS ARE MISSING:

- TRACTOR POWER-TAKEOFF PROTECTIVE COVER
- CARDAN SHAFT PROTECTIVE COVER
- FIXED PROTECTIVE COVER ON THE PUMP SHAFT

4.6 PUMP

When using the pump scrupulously observe the instructions in the enclosed handbook supplied by the manufacturer.

The pump can be identified by the ratings plate on the same; the main data on the pressure and delivery are easy to find on this plate.

Normally the pumps mustn't exceed 550 RPM; a higher speed won't improve performance but there is a risk of compromising the life and safety of the pump.

There is a safety valve on the pump, calibrated to prevent overpressure. Don't tamper with this valve for any reason and don't block or obstruct the pipes connected to it in any way.

4.7 SUCTION FILTER

The sprayer is fitted with a suction filter with filter cartridges that have roughly a 50-gauge mesh, which is equivalent to a hole of 0.4 at 0.35 mm. An efficient filter lets the sprayer work properly.

You should periodically check that the filter cartridge is clean, this check should be done more often if there are impurities in the liquid.

To inspect the filter cartridge wear rubber acid-proof gloves as the liquid in the filter can come into contact with your hands when you open the filter. Don't perform this operation with the pump running as the depression produced

blocks the cover preventing the removal.

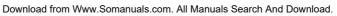






FIG. 8





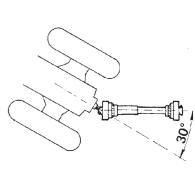


FIG. 7

Before removing the cover of the filter, make sure that the same is isolated from the tubing by unscrewing the relevant rear valve (FIG. N°8) or on the 3-way deviator (FIG. N° 10, page 14).

After washing the cartridge, reassemble the cover making sure you connect the same to the circuit again, using the valves described above in the opposite order.

WARNING!: Don't disperse the washing residues in the environment!!

4.8 PRESSURE REGULATOR

To use the pressure regulator, follow the instructions in the enclosed handbook scrupulously. The pressure regulator controls all of the most important spraying functions, the thorough knowledge of its functions makes work easier and more precise.

The working pressure and the maximum pressure of the sprayer are determined by the pressure regulator which also protects the circuit from overpressure in any work conditions. (In serious but very rare cases, if the connecting pipes get blocked the pressure relief valve lets the pressure off)

In some setups there may be a pump that can reach a pressure of 50 bar controlled by a regulator designed for 20 bar. In this case the maximum pressure that can be reached is 20 bar.

The regulators can be manual, mounted on the sprayer or at a distance to make the controls easier to use; or electrical with a control panel in the cabin. There are also regulator versions with mechanical remote controls with a cable. If the tractor has a waterproof cabin the use of electrical controls is obligatory.

4.8.1 COMPONENTS OF THE PRESSURE REGULATOR

Below you will find the indications for the main models fitted on Unigreen products.

A main ON-OFF command: "open" lets the fluid flow into the circuit in use; "closed" empties the tank.

B maximum pressure valve: adjusted by hand with the relevant knob (drains the excess liquid when the set pressure is reached).

C jets section tap: opens the corresponding jet boom or drains to the compensation regulator (G).

D auxiliary tap: can be used for various accessories (it is always manual). **E** volumetric pressure valve (proportional):

(when present) it regulates the spraying pressure. The valve automatically compensates variations in speed (within the scope of the same gear ratio), keeping the quantity of liquid supplied per surface unit (litres/hectare) unchanged.

F self-cleaning filter: filters the delivery liquid.

G compensation regulators: suitably regulated, these make it possible to keep the pressure constant when one or more sections of jets is closed, they don't influence treatments with the boom fully open. **H manometer**: indicates the working pressure.

Connections: **R1** supply union **R2** drain union **R3** volumetric drain union **R4** jets section delivery union **R5** auxiliary delivery union

Control box for GCP ELETTRICO electrical regulators

I1 main control valve switchI2 volumetric pressure valve switch (proportional)I3 jets section valves switches

4.8.2 GENERAL INSTRUCTIONS

When using the pressure regulator, scrupulously observe the instructions in the enclosed handbook, below you will find generic indications for the major models fitted by Unigreen.

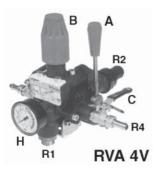
All the regulation and adjustment tests must be carried out with clean water.

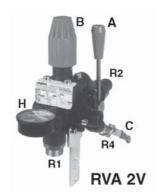




Don't use the sprayer

without having consulted the enclosed handbook.







Pressure regulators without a volumetric valve (GCP3-way - GRH-RVA)

Adjusting the maximum pressure valve

- put main control A in the drain position ("OFF").
 loosen the hand wheel of maximum pressure valve B completely
- (anticlockwise).
- start the pump by activating the power-takeoff of the tractor at 540rpm
- = open main control A (position "ON"), the manometer will be activated
- = open all of the section valves C (position "ON")

= adjust maximum pressure valve B to the working value (in any case less than the safe maximum pressure the system can reach).

Pressure regulators with a volumetric valve (GCP ELETTRICO) Adjusting the maximum pressure valve

= put main control **A** in the drain position ("OFF").

= loosen the hand wheel of maximum pressure valve **B** completely (anticlockwise).

- = open volumetric valve E completely.
- = start the pump by activating the power-takeoff of the tractor at 540rpm
- = open main control A (position "ON"), the manometer will be activated
- = open the drain tap on filter F slightly (only GCP ELETTRICO).

= close volumetric valve **E** completely. If the pressure rises over the maximum limit of the system, make sure maximum pressure valve **B** is open (see previous indications)

= open all of the section valves C (position "ON")

= adjust maximum pressure valve **B** to a value over that of the working pressure (generally 10-14 bar) and in any case lower than the safe maximum pressure that the system can reach.

Adjusting the volumetric pressure.

= with the volumetric pressure valve **E** adjust the pressure to the value the treatment will be done at (the pressure is indicated on the nozzles tables on the basis of the tractor speed and litres/hectare to spray)

Warning! The working pressure must be adjusted with the volumetric valve and not with the maximum pressure valve. In the case the working pressure is too near to the calibrated pressure of the maximum pressure valve, the proportional valve may not be able to compensate the speed variations correctly.

Adjusting the compensated returns

= close only one tap of section **C** (position "OFF").

= adjust the corresponding compensator **G** until you return to the pressure set previously (displayed on the manometer).

= open and close the tap of section ${\bf C}$ and check that the pressure remains constant.

= repeat the above operations for all the section taps.

If the types of nozzles aren't changed the regulations carried out will guarantee a constant spraying of the liquid also per treatments that are done at different working pressures.

NB: if the type of nozzle is changed then the calibrating will have to be done again.

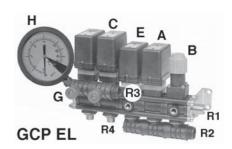
4.9.1 DELIVERY FILTERS (ONLY EQUIPPED MODELS)

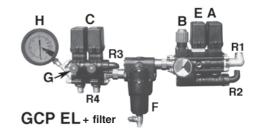
This is particularly useful when using small nozzles (low volume), they are normally mounted on the jet booms and have a filter cartridge with a 40-gauge mesh (the equivalent of a 0.4 mm hole).

In the RV version, the standard cartridge has a 86-gauge mesh (the equivalent of a 0.25mm hole) and another manometer is mounted after the cartridge to make fault-finding easier.

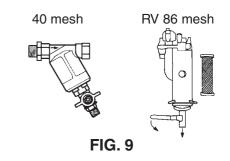
At the end of each treatment cycle you should clean the cartridge: turn the jets to the closed position, put the command under pressure and open the tap under the filter to drain the tank for a few minutes.

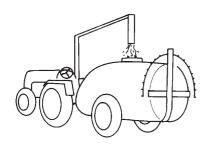
You should clean the cartridge by hand periodically, on the basis of the product used. Stop the pump to clean. Wear rubber gloves and the other personal protective equipment when cleaning.



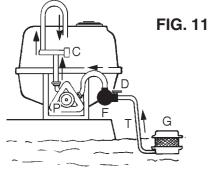


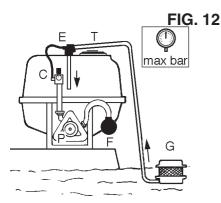












WARNING: using the taps on the pump or in any case on the front of the machine puts the operator near the cardan shaft. Despite the presence of CE standard protective covers you should take great care.

4.10 FILLING THE TANK

The machines for defensive crop treatments, in consideration of the safety of persons, animals and the protection of the environment, must only be filled indirectly from open water courses and only by free-falling water from the waterworks.

The pipe used for filling must never come into contact with the liquid inside the tank and therefore the water must always fall over the upper edge of the filling inlet and through the filter installed on it.

The tank is fitted with a transparent graduated band that shows the exact quantity of liquid inside. This reading is precise if the tank is on flat ground; the actual total capacity coincides with the highest number. All the filling systems fitted by Unigreen on their production machines or on request are antipollution and stop the liquid overflowing out of the tank.

a) FILLING WITH THE 3-WAY DEVIATOR (Fig. 10- Fig. 11).

It is possible to fill the tank using the pump and the floating filter kit **G** (cod.1002/0080F) with 6 metres of rubber hose (the floating filter lets you always and only suck up clean water).

- = connect hose T to deviator D using the union hose adaptor supplied.
- = turn the lever of deviator **D** to the filling position.

= place the other end of the hose, on which you fitted filter **G**, in the watering point.

start the power-takeoff leaving pressure regulator C in the draining position (you don't have to put the pump under pressure).

= the filling speed in litres/minute is equal to the delivery of pump P.

visually check the level of the liquid in the tank and after filling stop the pump and put the lever of deviator **D** back in the working position.
 = disconnect pipe **T** from deviator **D**.

b) FILLING WITH THE SUCTION FILTER (Fig. 3- Fig. 11).

If the 3-way deviator isn't fitted you can fill the tank using the coupling on the cover of the suction filter. Unscrew the rear wing nut of the filter and using a G1"1/2 threaded union, connect pipe **T** with the floating filter to the coupling. Also in this case the filling speed in litres/minute is equal to the delivery of the pump.

c) FILLING WITH THE ANTIPOLLUTION EJECTOR (Fig. 12)

If you are filling with an antipollution hydroejector (mounted as standard on some models) then you should proceed as follows:

- = put roughly 20-30 L of water in the tank and start the pump.
- = remove the cap of ejector E and insert filling pipe T.

= place the other end of the hose, on which you fitted filter **G**, in the watering point.

= open the tap that supplies the ejector (on pump **P** or pressure regulator **C**).

= increase the pressure until it reaches a value which is sufficient to suck up the liquid.

= visually check the level of the liquid inside the tank and after filling disconnect pipe **T** from the ejector, close the tap and replace the cap.

4.11 TEST WITH CLEAN WATER

It is good practice to do a test with clean water (without chemical product in the tank) before the first treatment to make sure the mistblower is working properly and to get to know the controls. For instructions on how to proceed with the treatment see the chapter SPRAYING.

4.12 MIXING

The active principle can be mixed using the relevant stirrers before and during the treatment. Correct mixing and stirring is the basis of the correct distribution on the crops. We recommend some useful accessories such as the premixer for powders and liquids (see the following paragraph).

To mix the product in the tank proceed as follows:

a) high-pressure machines from 30 to 60 bar (FIG. N° 13): run the stirrer (or ejector) for roughly 10-15 minutes at the maximum pressure available

b) low pressure machines, max 20 bar

= with a drilled pipe on the drain, run the pump at roughly 540 RPM with the pressure regulator on drain for at least 10-15 minutes. (FIG. N $^{\circ}$ 14)

= with the stirrer on a delivery, run the pump supplying the stirrer (or ejector) at the maximum pressure available for at least 10-15 minutes. (FIG. N° 13)

Some models with very small tanks aren't equipped with mixers, you should use the drain of the pressure regulator: run the pump at roughly 540 RPM with the pressure regulator in the drain position for at least 10-15 minutes. (FIG. N° 15)

4.12.1 MANUAL PREMIXING

Dilute the active principle by hand before introducing it into the tank, (you must wear suitable protective clothing such as rubber gloves, a mask or goggles, overalls, etc.).

4.12.2 PREMIXER ON COVER (OPTIONAL):

Open the cover and pour all of the chemical powder into the filter, close the cover and open the supply tap until all of the powder has dissolved.

4.12.3 PREMIXER ON HOPPER WITH TIN WASHER

(LASER - FUTURA P16-P20 series) (see Fig. N° 16)

- After having freed hook "g", extract the premixer and lift cover D.

- Open supply tap **A** on the pump so the liquid flows at a maximum pressure of **8 bar**, then open gate **B** to the tank.

- Introduce the product to mix and, after you have closed cover ${\bf D}$ again, press grip ${\bf C}$ to mix the product in the hopper, watching the level of the liquid to make sure it doesn't overflow.

(To prevent overflowing and to help powder products dissolve, always keep gate ${\bf B})$ open.

To wash the tin, proceed as follows:

-Lift cover D

-Open tap ${\boldsymbol{\mathsf{A}}}$ supplying it with a pressure of at least 8 bar

-Introduce the tin into the hopper inserting washing pipe ${\ensuremath{\textbf{E}}}$ into the tin.

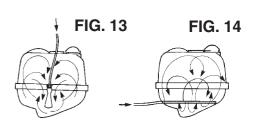
-Press the same tin onto the pipe until it has been completely washed.

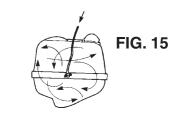
-Drain the liquid into the tank by opening gate ${\ensuremath{\textbf{B}}}$.

-If the tin washer isn't supplied with clean water and isn't fitted with the optional electrical pump, you must rinse again with clean water by hand.

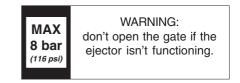
THE LIQUIDS USED FOR RINSING SHOULD BE INTRODUCED INTO THE TANK TO BE SPRAYED ON THE FIELD.

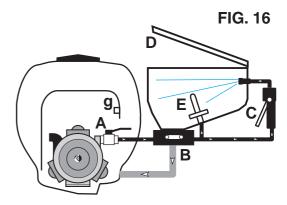
At the end of the operations, close gate **B** then close tap **A**, insert the premixer in the housing again, blocking hook "**g**".











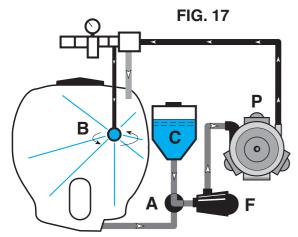
WARNING: using the taps on the pump or in any case on the front of the machine puts the operator near the cardan shaft. Despite the presence of CE standard protective covers you should take great care.



4.13 WASHING THE ATOMISER

After every treatment, thoroughly clean the equipment, washing it with water inside and out. Dirty equipment is very dangerous for people and in particular for children.

Discharging the residues of washing in the environment without taking precautions is forbidden as this pollutes water courses. Distribute the residues on the field or the crops where they won't cause any damage.



WARNING: using the taps on the pump or in any case on the front of the machine puts the operator near the cardan shaft. Despite the presence of CE standard protective covers you should take great care.



This symbol identifies the clean water tank on the machine used to wash the circuit

4.13.1 CIRCUIT WASHER AND TANK WASHER

Some machine models are fitted with a circuit washer tank (FIG.17). This tank must be filled with clean water and used to rinse the entire circuit including the suction, delivery, pump, pressure regulator, jets and nozzles. Thanks to the practical rotary nozzle it also rinses the inside surfaces of the tank. NB: To completely clean the tank and the pipes of any residues of the various active principles, we recommend adding 2kg of soda to the washing liquid for every 100 L of water.

At the end of the treatment, wash the circuit and the tank.

- a) Stop the diaphragm pump disengaging the power-takeoff.
- b) Check you have filled the circuit washer tank (C).
- c) Make sure the main control of the pressure regulator is OFF and that all the boom sectors are closed.
- d) Turn suction deviator A to the circuit washer position (H2O).
- e) Start the diaphragm pump by engaging the power-takeoff.

f) Increase the engine speed until all of the liquid in circuit washer tank C has been sucked up.

g) Turn the diaphragm pump off and turn deviator A to the work position (TANK).

h) Turn the main control to ON, so there is pressure in the circuit.

i) Start the diaphragm pump again and use the tank washing tap on the regulator (or on pump P) that supplies jet B.

j) After a few minutes you can close the tank washing tap

k) Distribute the washing residues over a portion of the field where it won't cause damage.

I) After you have finished washing, stop the diaphragm pump.

NB: at the end of the washing cycle, if there is the risk of frost, pour roughly 500 grams of normal antifreeze for auto vehicles into the tank.

BLOWER GROUP

All the mistblowers have a high speed fan rotor. You must take great care and beware of the effects that this can provoke: such as the aspiration and projection of foreign bodies which, although of a small size, can be very dangerous especially for the eyes and face.

5.1 **AXIAL BLOWER GROUP WITH PULLEY**

The mistblowers that have a drive transmission between the pump and fan with pulleys are equipped with a neutral gear; the multiplied ratio is 1:4.26, the rotation speed of the fan is 2,300 RPM.

You should periodically check the tension of the belts; if they become too slack you should tension them by loosening nuts B and screwing in screws A to take up the slack. Remember to tighten nuts **B** again after the operation. (FIG.18)

AXIAL BLOWER GROUP WITH MULTIPLIER 5.2

The transmission of the drive from the pump to the fan is done through a multiplier with one or two neutral gears.

Normally the rotation speed of the fan is 1950 RPM in first gear and 2500 RPM in second in the multiplier with 2 gear ratios (multiplied ratios 1:3.6 - 1:4.6) and 2,500 RPM in the multiplier with one gear ratio (1:4.6) with the power-takeoff running at 540 RPM.

You can change from one gear to the next with the lever on the multiplier, made accessible through the opening on the side in the rear left part of the machine or at a distance on the right side. The lever has 2 or 3 positions depending on the number of gears and the central position is neutral (to use only the pump without the fan).

WARNING: the gear change lever must only be used with the power-takeoff disengaged and the fan stopped. If it is difficult to engage, turn the cardan shaft slightly by hand to find the right position of the lever (make sure the tractor is turned off).

There are two deflectors (one on the right and one on the left) in the bottom part of the delivery outlet of the fan groups which define the direction of the airflow; lower if the deflector is lowered and higher if the deflector is raised. For the system to work properly it should be set up as follows: the left deflector (looking at the mistblower from behind) raised and the right one lowered in machines with a multiplier, vice versa in those with a pulley (as the fan turns in the opposite direction).

For the maintenance of the multiplier (see point 8.2.3 Multiplier Lubrication).

5.3 **BLOWER GROUP WITH FRONT SUCTION**

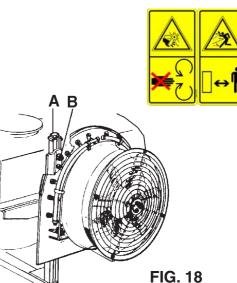
These models have front suction with delivery of the air obliquely to the rear of the machine. This characteristic guarantees greater penetration into the vegetation (see fig. 19)

There are two models of blower groups with front suction:

- Axial fan: used for treatments similar to traditional multiplier blower groups, with delivery of the air in a circular crown.

- Tangential fan: for use in small and medium espalier rows of vines. There are pulley drive versions or multiplier versions, adjustable jets can be mounted to spray the vegetation at various heights.

The vanes of these blowers have an inclination that can be adjusted by 5°, with positions from 20° to 40° (as standard this is set at 35°); to adjust the inclination you have to order the appropriate adjustment discs (Fig. 20, page 18). This operation must only be performed by gualified personnel respecting the position of the single vanes so as not to vary the dynamic balance of the fan; unbalanced blowers can cause rapid wear of the multiplier and the fan rotor itself making the machine unsafe.





WORK TEMPERATURE

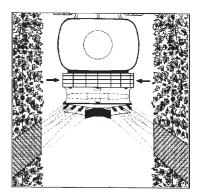
Heat is generated by the friction between the various moving components and on the basis of the power transmitted. The temperature of the multiplier or disengaging box depends on the capacity to dissipate heat to the surrounding environment and therefore the surfaces involved in the heat exchange and the environmental conditions.

The specifications refer to environmental conditions with a temperature between -10° +50°C (14°C -122°F).

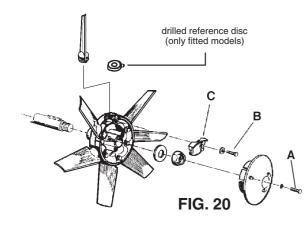
The working temperature limit of the box is 90°C (200°F) established to prevent the ageing of the seals and guarantee a sufficient viscosity of the oil. The heat makes the air in the box expand and therefore increases the pressure inside. The correct use of the oil seals is guaranteed up to an internal pressure of 0.5 bar. Boxes designed to be used for particularly heavy duty work are equipped

with a breather cap that can be fitted on any cast iron box on request.

FIG. 19







5.4 AXIAL ROTOR

Generally the new models of rotors are fitted with 7 vanes made of aluminium or nylon + fibreglass and the vanes have a variable inclination from 20° to 40° with step adjustment by 5° (in some cases there are drilled reference discs) FIG. 20.

The angular movement of all of the vanes, if done correctly, doesn't change the dynamic balance of the blower group.

To change the inclination of the vanes (as standard this is set at 35°) proceed as follows:

a) Remove the protective grill.

b) Unscrew screws **A** that hold the spinner (central cover), each vane has two blocking screws **B** at the side, one on the right and one on the left. Unscrew the two screws enough to turn the vane the degrees necessary (replace the drilled discs when fitted). To make the adjustment easier, there are reference notches on blocking element **C**.

c) After you have positioned the vane, perform the same operation on the next one and screw the screws of the first in enough to block it in place.

d) Repeat the operation on all the vanes and after you've checked that all have the same angle, reassemble the spinner and the protective grill. The fan is balanced dynamically; the different numbers of washers under the

screws blocking the vanes are for balancing.

You shouldn't change the position of the washers or add or remove any. Only tighten down the screws with moderate force as they have an aluminium thread.

5.5 CLUTCH

Big aluminium and nylon blowers have a centrifugal type clutch that makes it possible to engage the fan rotor gradually.

This prevents jerky starts, due to the inertia of the fan rotor, which can have a negative effect on the transmission.

For the centrifugal clutch to work properly the speed of the power-takeoff mustn't be less than 450 rpm, especially if you are using the first gear of the multiplier.

Generally clutches with shoes/plates made of sintered material with a high coefficient of friction are fitted, on some low power models rubber clutches may be fitted.

5.6 CANNON BLOWER GROUP

The cannon blower group is equipped with a multiplier similar to the normal axial blower groups and all of its operating characteristics are the same. The main difference with respect to the axial blower groups is that the centrifugal fan rotor is made of galvanised steel, the fan rotors in this type are fixed and can't be adjusted, for the clutch see the previous paragraph. This fan rotor can usually produce a delivery which is much higher with a very high speed airflow.

The cannon fan is mounted on a thrust block that can be adjusted by hand by unscrewing the relevant locking screw. This adjustment must be done with the fan rotor stopped because the high speed of the air make the movement of the fan dangerous.

5.6.1 MANUALLY INCLINABILE HEAD

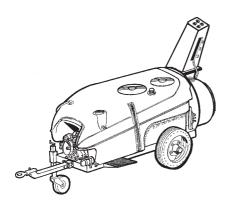
The cannon blower group can be equipped with a pivoting head (max inclination $180^\circ)$ adjustable by hand.

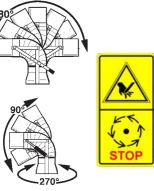
5.6.2 HYDRAULIC DRIVEN HEADS

On request hydraulic pivoting (inclination 90° roughly) and rotating (max rotation 270°) heads are available.



The cannon fans can be equipped with hydraulic drives: with the cylinder fitted directly (30° inclination roughly) or a motor with a pinion and chain (180° inclination roughly).





5.6.4 OIL FEED FROM TRACTOR

(for hydraulic systems)

Connect the delivery and discharge quick-fit coupling to the respective connections, respecting the direction of flow.

The distributor inlet pipe is connected to the aluminium flow separator valve next to the distributor.

The flow separator must be adjusted correctly so it sends less than 4-5 $L/1^{\circ}$ to the distributor.

To prevent the cylinders moving at a dangerous speed, adjust the relevant chokes near the cylinders. If the registration ringnuts aren't visible then fixed chokes are fitted. The chokes are fitted on the discharge line of the movement to slow.

Any impurities in the oil could block the chokes and as a consequence block the cylinder; remove the dirt if necessary. The maximum pressure valves of the distributors are regulated to a pressure of around 150 bar.

To prevent the excessive heating of the oil we recommend supplying the distributor of the sprayer only when the cylinders are being used.

We recommend having qualified personnel do any adjustments.

Pay attention to the integrity and efficiency of the hydraulic components and in particular to the pipes to prevent the risk of bursting.

Do a full check on the pipes and components at least once a year, we recommend replacing hydraulic pipes every 3-4 years.





6 SPRAYING

6.1 DESCRIPTION OF TYPE OF JETS

Various types of jets are fitted; with a single or double head. Generally they have a non-drip diaphragm and are made out of brass, suitable

for pressures up to 40 bar, some models are nickel plated. The jets can be equipped with different types of nozzles, changing the locking ringnuts. The jets used normally have high volume, Ø18, ceramic plates and low volume conical nozzles (Albuz ATR or Teejet TXB). The jets for cannons have a jet holder with adjustable delivery and spray that has high volume,

ceramic plates, Ø15 instead of 18.

All the jets normally used have three positions (FIG. 21):

a) spray - if the nozzle is pointing outwards, away from the blower group, parallel with the non-drip valve

b) closed - if the nozzle is at 90° with respect to the non-drip valve or, for the single jet if it is facing inwards towards the blower group

c) nozzle second spray - when these are pointing towards the outside of the blower group parallel with the non-drip valve.

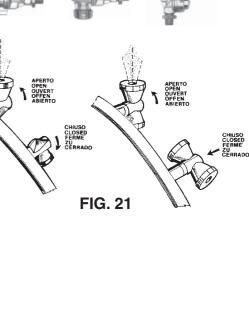
6.2 DESCRIPTION OF TYPE OF NOZZLES

The nozzles are extremely important to obtain a correct distribution on the vegetation to be treated. Poor quality or worn nozzles have a tendency to create unevenly treated strips.

The nozzles are produced in various sizes, to work with a precise pressure range, to create certain types of larger or smaller drops; using nozzles for a purpose they are not envisaged for prejudices the precision and duration of the nozzles.

6.2.1 NORMAL VOLUME CONICAL NOZZLES (OVER 500L/HA)

Generally made of ceramics, these nozzles consist of various parts; the actual nozzle, the stainless steel slinger and a series of seals. They are particularly resistant to wear and are designed to work also at high-pressure (25-45 bar) producing drops of an average size with strong turbulence. This turbulence makes them suitable for penetrating luxuriant vegetation and so they are suitable for fungicides and insecticides. There are various sizes and the capacities are indicated in table N° 1, page 34.











Made of two ceramic pieces with colour-coded plastic inserts, they are available in various sizes identified by the colour (see table 3 page 34). They have been specifically designed to obtain a large number of small drops with strong turbulence even at low pressures (2-3 bar). This turbulence makes them suitable for penetrating luxuriant vegetation and so they are suitable for fungicides and insecticides. The nozzles of the TR Lechler and TXA Teejet series are in this category.

6.2.3 ANTI-DRIFT NOZZLES

Specific anti-drift nozzles are available from Unigreen. The main characteristic of these nozzles is that they eliminate the fog effect caused by the presence of drops that are too small and are particularly sensitive to drifting. For further information please contact Unigreen for the relevant instruction handbook.

6.3 CALIBRATING AXIAL FAN ATOMISERS

(Tables on pages 25 - 31)

The tables on pages 25-31 let you easily calculate the distribution in litres/ hectare of the mistblowers with the standard fittings, proceeding as indicated below:

a) Choose the table relevant to the blower group of the mistblower in question (the main reference is the number of jets)

b) Find the distance between the rows of the vegetation and the diameter of the nozzles used (ceramic plates, TR or TXA).

c) In the horizontal strip, choose the working speed and the distribution in litres/ hectare and on the vertical scale find the pressure to use.

d) Adjust the pressure to obtain the treatment required.

If the distance between the rows is different from that in the table you can easily calculate the distribution in proportion: for example with a distance between the rows of 8 m, divide the figure for the litres/hectare of the distance between the 4 m rows by half, with a distance between the rows of 2.5 m double the figure for the distance between the 5 m rows.

The last line of the table indicates the overall delivery of the fan. If the mistblower is fitted with non-standard nozzles, the spraying tables of the

single nozzles per mistblower are on page 34.

To calculate the distribution in litres/hectare, use the following formula:

1

Vd = <u>600 x Q</u>

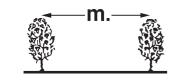
I x V where:

- Vd = volume to distribute (L/ha)
- **Q** = sum of the nozzles delivery (L/min)
 - = distance between the rows (m)

V = tractor speed (Km/h)

EXAMPLE: Distance between the rows: **5 m** Speed: **6 Km. / h** Working air pressure 30 bar Fan Ø **800** with 14 standard, high volume nozzles (Ø 1.0) Q total delivery of the nozzles (*Tab. 1 page 34*) **2.96x14= 41.44 L/min** $Vd = \underline{600 \times 41.44} = 829 L/ha$ 5×6

N.B.: Depending on the season the vegetation may be more or less luxuriant; bear this in mind before starting the treatment. If the plants don't have much foliage you should diminish the quantity of litres per hectare using lower pressures or closing one or more jets of the fan.



N.B. to calculate the different ranges it is sufficient to multiply the value lt/hectare by the corresponding width indicated in the table and divide it by the new width.

Example-

In the table: 907lt/ha with row distance 3m.

 $\frac{907x3}{2,8} = 971 \text{ Lt/ha with row distance } 2,8m$

6.4 CALIBRATING CANNON ATOMISERS

(Tables on pages 31-33)

Atomisers with a cannon blower group are mainly intended for treating forest trees or other tall plants that it is impossible to drive into with the sprayer (for example tobacco or similar cultivations). They are also frequently used in cultivation under mobile greenhouses.

When shooting the atomised chemical mix at distances, that can even be over 40 m, it isn't possible to verify with the exact distribution on the area treated. Due to the effect of the wind, the presence of turbulence and the obstacle of the same plants being treated, we don't recommend using cannons with chemical products that need to be distributed with great precision. Don't use herbicides or similar products.

6.4.1 TREATMENTS ON TALL PLANTS

a) Use the tables of pages 31-33 choosing the one relevant to the type of cannon to use and the number of jets.

b) On the last line choose the delivery in L/minute that goes with the chosen working pressure.

c) Then spray the litres desired on the plant defining the necessary treatment time.

When treating a poplar grove or in similar situation there are photocells for the automatic management of the opening of the jet in the presence of the plant to treat, available on request.

6.4.2 TREATMENTS ON HERBACEOUS CULTIVATIONS

a) Use the tables of pages 31-33 choosing the one relevant to the type of cannon to use and the number of jets.

b) Find the range and the diameter of the nozzles used (ceramic plate or TR nozzles).

c) In the horizontal strip, choose the working speed and the distribution in litres/ hectare and on the vertical scale find the pressure to use.

d) Adjust the pressure to obtain the treatment required.

Note: the minimum range indicated in the table can vary significantly according to the adjustment of the single jets (screwed in more or less). To verify the exact delivery of the fan do tests with clean water.



When using hand lances bear in mind the following notes:

= Don't direct the jet of liquid towards electric power lines or zones where there is electrical current, houses or where people might pass.

= Don't point the jet at people or animals.

The jet can cause serious injuries simply due to the mechanical force of the liquid under pressure.

= Never block the spraying lever of the lance in an open position because if the lance falls it will be uncontrollable.

= At the end of work after you have stopped the pump, make sure that any residual pressure in the pipes under pressure has been drained to avoid unexpected jets when putting the lance away.

There are various types of lances; with a lever, mitra spray gun and pistol grip. For further information please refer to the handbook in the package.

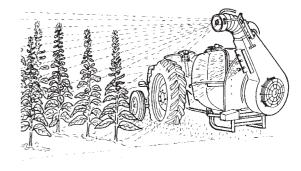
The lever lance is controlled by opening lever A which, depending on how much it's pressed, produces a conical spray or direct jet. The standard nozzle is \emptyset 1.5

The mitra spray gun can produce a direct jet or a conical spray and the type of spray is selected by pushing lever B forwards or backwards. Use lever C to open the jet. The standard nozzle is \emptyset 2.5

Replacement nozzles are available for all of the lances and the capacities are indicated in the tables TAB.4 and TAB.5 (page 35).













MAINTENANCE

2

All of the maintenance operations and repairs must be carried out with the machine and cardan shaft stopped and the tank and circuit clean of any residues of chemical products.

The maintenance of the mistblower is essential for maintaining a high level of safety. Also consult the single handbooks of the main components of the mistblower.

8.1 PROGRAMMED MAINTENANCE (TAB. N° 7, page 36)

We recommend using a table of programmed maintenance to follow in time to keep the mistblower in an efficient working condition.

For major and important maintenance jobs we recommend using the normal UNIGREEN assistance service available from your reseller, (if necessary) replacing parts using original spare parts only.

8.2 ROUTINE MAINTENANCE

= After every treatment wash the inside of the tank and the entire circuit as indicated in paragraph 4.13

- = Periodically check that the suction and delivery filters are clean
- Check the oil level in the volumetric compensator of the pump
 The use of chemical products that are particularly damaging for a nitrile

rubber mix can cause the diaphragm to break before time. In these conditions check the state of the components more often. There are diaphragms made of special materials (viton and desmopan) that are available on request.

= When doing treatments with copper hydroxide you should take great care to thoroughly clean the system, washing it after each treatment because hydroxides attack parts that aren't painted or protected by hot galvanising. To prevent chemical attacks we recommend spraying transparent paint on the parts that are most exposed to the product and equipping the mistblower with stainless steel pressure gauges.

8.2.1 CLEANING THE NOZZLES

Check the state of wear of the nozzles and replace them when the delivery is over 30-35% of the theoretical level.

If you notice even a partial blockage of a nozzle proceed as follows:

- drain the pressure and stop the machine
- dismantle the screw or bayonet ringnuts holding the nozzles
- clean with a small brush or compressed air, **don't use nails, punches or** bradawls

- reassemble the nozzles and the ringnuts, replacing the filters and seals.

8.2.2 LUBRICATION

The moving mechanical components must be lubricated to prevent wear and overheating. This lubrication can be done with grease or oil: oil allows significantly higher speeds, in general grease is used to lubricate bearings with a vertical or inclined axis as it stays in the zone for longer.

8.2.3 MULTIPLIER LUBRICATION

The multiplier and disengaging boxes are normally lubricated in an "oil bath", in special cases NLGI n.0 grease is used. The viscosity is an essential characteristic of a lubricant oil and this is indicated by the SAE (SOCIETY OF AUTO-MOTIVE ENGINEERS) classification of the oils for gearboxes and differentials. Special additives improve the capacity of the oil to maintain a lubricant film also at high pressures and temperatures. We recommended using SAE 90 oil for the multiplier and disengaging boxes. The quantity of oil is established by the level cap. A greater quantity of oil doesn't improve the conditions of lubrication and can cause overheating in the box. Changing the oil protects the parts from the dangers associated with wear and the presence of metallic particles that can be present, especially in the first period of use. We recommend replacing the oil after the first 50 working hours and then subsequently every 500 hours.

The quantity of oil needed is indicated on the sticker near the multiplier (FIG. 23)

WARNING: the oil used mustn't be dispersed in the environment and must be collected the relevant containers.

8.3 EXTRAORDINARY MAINTENANCE

At the end of a season of intense use, or every two years of normal use, it is a good idea to have a specialised service technician perform a general check on the machine.

8.4 REPAIRS

We recommend having the normal UNIGREEN assistance service available



FIG. 23



from our reseller perform any repairs or contact a specialised workshop. During all of the repairs, in particular when welding, the machine and the circuit must be clean of any residues of chemical product.

If the machine has to be lifted (for example to change a wheel) follow the instructions in point 4.3 of the present handbook.

Also make sure the machine is stopped, connected to the tractor, and use the relevant chocks to block the wheel still on the ground.

If you use a jack (manual or hydraulic) make sure you use a jack that is suitable for the frame so it can't slip and put it in the right position. The jack must be placed under the main frame of the machine near the wheel to change. Make sure the ground is compact: if necessary use wooden beams or other sufficiently resistant material to broaden the supporting base of the jack.

8.5 STORAGE IN A WAREHOUSE AND TRANSPORTATION

The sprayer must be kept in a closed place away from excessive humidity and protected from frost. Especially if electrical pressure regulators, electrical motors, a spraying computer or similar components are fitted.

Before storing the machine, after you have washed it, apply a light coat of oil.

If the temperature might drop to below zero, drain any residual liquid or add roughly 0.5 L of normal antifreeze for auto vehicles.

To transport the machine follow the instructions in point 4.3 of the present handbook.

8.6 PUTTING BACK INTO SERVICE AFTER WINTER LAYUP

Before using the machine again after a long period of inactivity you should perform some general checks, following the instructions in point 4.2 and drain any antifreeze. Never start the shaft of the pump if you think there may by ice inside. To check this, make sure you can turn the shaft by hand without connecting it to the tractor. After you have connected the machine to the tractor (see point 4.4) following the instructions in the present user's handbook and in the enclosures of the pump, pressure regulator and accessories.

8.7 DEMOLITION AND DISPOSAL

When the sprayer will be put out of service you should wash it with great care to remove any residues of chemical product, follow the instructions in point 4.13 of the present handbook. ATTENTION: It is necessary to adopt appropriate Individual Protection Devices in manipulating waste.

The disposal of waste deriving from the demolition of the machine must be carried out respecting the environment, avoiding soil, air and water pollution.

Local legislation in force in the matter must be respected in any case.

Remember that waste is understood as any substance or object that enters into the categories shown in attachment A in part IV of Legislative Decree 152/2006, that the holder has destroyed, has decided or is obliged to destroy.

Waste deriving from the demolition of the machine is classifiable as special waste.

8.7.1 MATERIALS FOR DEMOLITION

Non-dangerous special waste is that which can be recovered, according to the February 1998 Ministerial Decree:

- · Iron, aluminium, stainless steel and copper materials
- Plastic materials
- · Electronic cards
- Hydraulic oil
- Electrical plant

8.7.2 INDICATIONS FOR A SUITABLE TREATMENT OF WASTE

The Correct management of special waste envisages:

stocking in suitable places, avoiding mixing dangerous waste with the non-dangerous.
 ensuring that authorised carriers and receivers carry out its transport and disposal/

recovery.

Transport of one's waste to authorised collection centres is allowed exclusively if you are enrolled in the Environmental Management Register.

8.7.3 ELECTRICAL AND ELECTRONIC APPARATUS WASTE (EEAW)

The Italian government has adopted the European Parliament directives in the matter of the disposal of electrical and electronic waste (EEAW) (2002/95/CE and 2003/108/CE Directives) with Legislative Decree n° 151, July 25 2005).

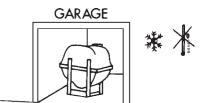
The measures: in particular, the decree established measures and procedures aimed at: a) forestalling the production of EEAW;

b) promoting the re-use, recycling and other forms of EEAW recovery, in order to reduce the quantity to send for disposal;

c) improving, in terms of the environment, the actions of the subjects who participate in the life-cycle of these apparatuses (producers, distributors, consumers and operators directly involved in the treatment of EEAW);

d) reducing the use of dangerous substances in electrical and electronic apparatus.













The decree imposes the limitation and elimination of several substances present in EEAW: lead, mercury, cadmium, chrome, hexavalent chrome, polybrominated biphenyl, polybrominated diphenyl and polybrominated diphenyl ethers.

The machine has been designed and created in conformity with this directive. Follow the indications shown below.

The symbol to the side, showing a barred garbage can on wheels, indicates the separate collection of the electrical and electronic apparatuses of the machine.

The user of the present machine can contact the collection centres instituted by the Local Authorities or the UNIGREEN Company directly, or request withdrawal by the dealer, in order to carry out correct disposal of the waste.

Commonly used spare parts

| part | description | | | code |
|--|--|--|--|--|
| 80. | single Ø18 non-drip je diaphragm (1/4" mount | t for mistblower with t) without nozzles | 1 | 1224/0194F |
| | double Ø18 non-drip je diaphragm (1/4" mount | | h | 1224/0195F |
| | double 15 + Ø18 non-o diaphragm (1/4" mount | drip jet Ø for cannon t) without nozzles | with | 1224/0199F |
| AUUZ | ceramic conical nozzle high volume for Ø18 mistblower jet | | Ø0,8 Ø1,0 Ø1,2 Ø1,5 Ø1,8 Ø2,0 | 3400/0394F 3400/0395F 3400/0396F 3400/0397F 3400/0398F 3400/0399F |
| | diffuser Ø18 mm. for mistblower jet | | closed Ø1,0 Ø1,2 Ø1,5 Ø1,8 | B1606.0011 B1606.0012 B1606.0013 B1606.0014 B1606.0015 |
| | filter for Ø18 jet | | holes Ø 0,8 | 1002/0110F |
| Ceramic, conical nozzle kit, filter diffuser and seal for Ø18 mm jet | Nozzle Ø0,8 Nozzle Ø1,0 Nozzle Ø1,2 Nozzle Ø1,5 Nozzle Ø1,8 Nozzle Ø2,0 | Dif. Ø1,0 Dif. Ø1,0 Dif. Ø1,2 Dif. Ø1,5 Dif. Ø1,8 Dif. Ø1,8 | Filter Ø0,8 Filter Ø0,8 Filter Ø1,0 Filter Ø1,0 Filter Ø1,0 Filter Ø1,0 | 3400/0400F 3400/0401F 3400/0402F 3400/0403F 3400/0404F 3400/0405F |
| | Clamp kit for fixing G1/ | /4" jets on Ø1/2" boo | oms | 1805/0034F |
| @ `` `````````````````````````````````` | Clamp kit for fixing G1/ | /4" jets on Ø1/2" boo | oms+ M8 F thread | 1805/0050F |
| Lechler | ISO nozzle ceramic conical with slinger + OR | TR 80-005 TR80-067 TR80-01 TR80-015 TR80-02 TR80-03 TR80-04 TR80-05 | Lilac Olive Orange Green Yellow Blue Red Brown | 3400/0577F 3400/0578F 3400/0579F 3400/0580F 3400/0581F 3400/0583F 3400/0584F 3400/0585F |

TABLES FOR CALIBRATING MISTBLOWERS Ø500-600

| ur | nigreen spa | | abella ha spre | - | | | | | | | | |) 8 ge | tti | | | | |
|-------------------------------|-------------|------------|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|--------------|------|---------|--------|----------------|
| | | LL./I | | | | nica (| | | 00-00 | | | cerar | nica (| Ø1,2 | | | Largh | ezza di lavoro |
| PRE | SSIONE bar | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | WO | rking width |
| c | 0.5 | 057 | 000 | 1100 | 1046 | 1054 | 1540 | 1001 | 1154 | 1117 | 1000 | 1000 | 1000 | 0000 | 0514 | | | |
| Velocità Km/h <i>speed</i> | 3,5 | 857 | 983 | 1120 | 1246 | 1354 | 1543 | | 1154 | | 1623 | | | 2286 | | | | ALC: |
| ocità K speed | 4 | 750 600 | 860 | 980 | 1090 | 1185 | | | 1010 | | | | | 2000 | | 2 | | |
| ocit sp€ | 5 | 500 | 688 | 784 | 872 | 948 | | 1184 | | 992 | 1136 | | | 1600 | | iţ | que | A |
| Vel | 6 | 429 | 573 491 | 653 560 | 727 623 | 790 677 | 900 771 | 987 846 | 673 577 | 827 709 | 947 811 | 903 | 994 | 1333 1143 | | | | 3 m. |
| | 1 | 429 | 491 | 500 | 023 | 0/7 | 771 | 040 | 577 | 709 | 011 | 903 | 994 | 1143 | 1237 | | | 5 111. |
| c | 3,5 | 643 | 737 | 840 | 934 | 1016 | 1157 | 1260 | 866 | 1063 | 1217 | 1354 | 1/01 | 171/ | 1886 | | PT2 | ĩ |
| Velocità Km/h <i>speed</i> | | 563 | 645 | 735 | 818 | 889 | 1013 | | 758 | 930 | 1065 | 1185 | 1305 | 1500 | | | E. | |
| locità Kr <i>speed</i> | 4 5 | 450 | 516 | 588 | 654 | 711 | 810 | 888 | 606 | 930 744 | 852 | 948 | 1044 | 1200 | | 4 | | |
| ocit sp€ | 5 6 | 450 375 | 430 | 490 | 545 | 593 | 675 | 740 | 505 | 620 | 652 710 | 940 790 | 870 | 1000 | | <u></u> | qe | 4 |
| Vel | 7 | 375 | 369 | 490 | 467 | 508 | 579 | 634 | 433 | 531 | 609 | 677 | 746 | 857 | 943 | | | 4 m. |
| | 7 | 521 | 003 | 420 | 407 | 500 | 575 | 004 | 400 | 551 | 003 | 0// | 740 | 007 | 340 | | | 4 |
| ۲ | 3,5 | 514 | 590 | 672 | 747 | 813 | 926 | 1015 | 693 | 850 | 974 | 1083 | 1193 | 1371 | 1509 | | PT 1 | ~ |
| /m/ | 4 | 450 | 516 | 588 | 654 | 711 | 810 | 888 | 606 | 744 | 852 | 948 | 1044 | 1200 | | в | | |
| ocità K speed | 5 | 360 | 413 | 470 | 523 | 569 | 648 | 710 | 485 | 595 | 682 | 758 | 835 | 960 | 1056 | | | |
| Velocità Km/h <i>speed</i> | 6 | 300 | 344 | 392 | 436 | 474 | 540 | 592 | 404 | 496 | 568 | 632 | 696 | 800 | 880 | Ľ | Y | Ŷ |
| Ve | 7 | 257 | 295 | 336 | 374 | 406 | 463 | 507 | 346 | 425 | 487 | 542 | 597 | 686 | 754 | | | 5 m. |
| L | • | / | | | 0.1 | | 100 | | 0.0 | | 107 | <u> </u> | | | | | | • 111 |
| | Litri/min. | 15,0 | 17,2 | 19,6 | 21,8 | 23,7 | 27,0 | 29,6 | 20,2 | 24,8 | 28,4 | 31,6 | 34,8 | 40,0 | 44,0 | | Tab. 3 | 3215/0000F |
| | ug. sing. | 1,88 | 2,15 | 2,45 | 2,72 | 2,96 | 3,37 | 3,70 | 2,53 | 3,10 | 3,55 | 3,95 | 4,35 | 5,00 | 5,50 |] | | |

| ur | nigreen spa | | | - | | | | | Gr.Ve 500-Ø6 | | | | 8 ge | tti | | | (90) |
|-------------------------------|-------------|------|------|-------|------|------|------|------|------------------------|------|------|------|------|---------|------|---------|---------------------|
| | | | | R80-0 | | | | | | | | | ERDE | | | | Larghezza di lavoro |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| | - | | | | | | | | | | | | | | | | |
| Km/h d | 3,5 | 234 | 274 | 331 | 354 | 400 | 440 | 463 | 34 | 411 | 491 | 537 | 600 | 657 | 697 | | |
| ed K | 4 | 205 | 240 | 290 | 310 | 350 | 385 | 405 | 30 | 360 | 430 | 470 | 525 | 575 | 610 | /ha | |
| ocità K <i>speed</i> | 5 | 164 | 192 | 232 | 248 | 280 | 308 | 324 | 24 | 288 | 344 | 376 | 420 | 460 | 488 | _itri/ | |
| Velocità <i>spee</i> | 6 | 137 | 160 | 193 | 207 | 233 | 257 | 270 | 20 | 240 | 287 | 313 | 350 | 383 | 407 | | |
| - | 7 | 117 | 137 | 166 | 177 | 200 | 220 | 231 | 17 | 206 | 246 | 269 | 300 | 329 | 349 | | 3 m. |
| | | | | | | | | | | | | | | | | | |
| Km/h d | 3,5 | 176 | 206 | 249 | 266 | 300 | 330 | 347 | 26 | 309 | 369 | 403 | 450 | 493 | 523 | | |
| ocità Kr <i>speed</i> | 4 | 154 | 180 | 218 | 233 | 263 | 289 | 304 | 23 | 270 | 323 | 353 | 394 | 431 | 458 | itri/ha | |
| Velocità <i>spee</i> | 5 | 123 | 144 | 174 | 186 | 210 | 231 | 243 | 18 | 216 | 258 | 282 | 315 | 345 | 366 | itri, | |
| /elc | 0 | 103 | 120 | 145 | 155 | 175 | 193 | 203 | 15 | 180 | 215 | 235 | 263 | 288 | 305 | | |
| - | 7 | 88 | 103 | 124 | 133 | 150 | 165 | 174 | 13 | 154 | 184 | 201 | 225 | 246 | 261 | | 4 m. |
| _ | • - | | 107 | 100 | | | | | | a (= | | | | | | _ | |
| h/m | 3,5 | 141 | 165 | 199 | 213 | 240 | 264 | 278 | 21 | 247 | 295 | 322 | 360 | 394 | 418 | | |
| cità Ki <i>peed</i> | 4 | 123 | 144 | 174 | 186 | 210 | 231 | 243 | 18 | 216 | 258 | 282 | 315 | 345 | 366 | /ha | |
| ocită spe | 5 | 98 | 115 | 139 | 149 | 168 | 185 | 194 | 14 | 173 | 206 | 226 | 252 | 276 | 293 | itri/ | |
| Velocità Km/h <i>speed</i> | 6 | 82 | 96 | 116 | 124 | 140 | 154 | 162 | 12 | 144 | 172 | 188 | 210 | 230 | 244 | | |
| - | 7 | 70 | 82 | 99 | 106 | 120 | 132 | 139 | 10 | 123 | 147 | 161 | 180 | 197 | 209 | | 5 m. |
| | Litri/min. | 4,1 | 4,8 | 5,8 | 6,2 | 7,0 | 7,7 | 8,1 | 0,6 | 7,2 | 8,6 | 9,4 | 10,5 | 11,5 | 12,2 | 1 | Tab. 3215/0000F |
| i i | ug. sing. | 0.51 | 0.60 | 0.70 | 0.70 | 0.88 | 0.96 | 1.01 | 0,08 | 0,90 | 1.07 | 1.18 | 1.31 | 1,44 | 1.52 | - | |

TABLES FOR CALIBRATING MISTBLOWERS Ø600-650

| ur | nigreen spa | Та | bella | eroga | azione | e in Li | itri/et | taro G | ir.Ver | tola (| Ø600- | Ø650 | 10 g | etti | ۲ | | |
|-------------------------------|-------------|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|-------|--------|------|------|---------|---------------------|
| | | Lt./h | a spre | ading | rate ta | ble fo | r Blow | er Ø60 | 00-Ø6 | 50 10 | NOZZ | LES | | | I | | |
| | | | Pias | strina | cerar | nica (| Ø1.0 | | | Pias | strina | cerar | nica (| Ø1,2 | | | Larghezza di lavoro |
| PR | ESSIONE bar | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | working width |
| | | | | | | | | | | | | | | | | | |
| ų/۲ | 3,5 | 1074 | 1229 | 1400 | 1554 | 1691 | 1926 | 2114 | 1446 | 1771 | 2029 | 2257 | 2486 | 2857 | 3143 | | |
| Velocità Km/h <i>speed</i> | 4 | 940 | 1075 | 1225 | 1360 | 1480 | 1685 | 1850 | 1265 | 1550 | 1775 | 1975 | 2175 | 2500 | 2750 | าล | |
| ocità Kı <i>speed</i> | 5 | 752 | 860 | 980 | 1088 | 1184 | 1348 | 1480 | 1012 | | | 1580 | | | | itri/ha | |
| elo s | 0 | 627 | 717 | 817 | 907 | 987 | 1123 | 1233 | | | | 1317 | | | | | <u>1</u> |
| > | 7 | 537 | 614 | 700 | 777 | 846 | 963 | 1057 | 723 | 886 | 1014 | 1129 | 1243 | 1429 | 1571 | | 3 m. |
| | | | | | - | | | | | | | _ | | | | | |
| h/n | 3,5 | 806 | 921 | 1050 | | 1269 | | | 1084 | | | 1693 | | | | | |
| Velocità Km/h <i>speed</i> | 4 | 705 | 806 | 919 | 1020 | 1110 | 1264 | 1388 | 949 | 1163 | 1331 | 1481 | 1631 | | 2063 | 4 | |
| locità Kı <i>speed</i> | 5 | 564 | 645 | 735 | 816 | 888 | 1011 | 1110 | 759 | 930 | 1065 | | 1305 | | | itri | |
| /elc S | 6 | 470 | 538 | 613 | 680 | 740 | 843 | 925 | 633 | 775 | 888 | | 1088 | | | | |
| _ | 7 | 403 | 461 | 525 | 583 | 634 | 722 | 793 | 542 | 664 | 761 | 846 | 932 | 1071 | 1179 | | 4 m. |
| _ | <u> </u> | 0.45 | | 0.40 | 000 | 1015 | | 1000 | 0.07 | 1000 | 1017 | 1051 | 1 10 1 | 4-14 | 4000 | - | |
| h/m | 3,5 | 645 | 737 | 840 | 933 | | | 1269 | | 1063 | | 1354 | | | 1886 | | |
| locità Kı <i>speed</i> | 4 | 564 | 645 | 735 | 816 | 888 | 1011 | 1110 | 759 | 930 | 1065 | | 1305 | | | | |
| ocit: s <i>pe</i> | 5 | 451 | 516 | 588 | 653 | 710 | 809 | 888 | 607 | 744 | 852 | 948 | 1044 | 1200 | | | |
| Velocità Km/h <i>speed</i> | 6 | 376 | 430 | 490 | 544 | 592 | 674 | 740 | 506 | 620 | 710 | 790 | 870 | 1000 | | | <u> </u> |
| - | / | 322 | 369 | 420 | 466 | 507 | 578 | 634 | 434 | 531 | 609 | 677 | 746 | 857 | 943 | | 5 m. |
| | Litri/min. | 18,8 | 21,5 | 24,5 | 27,2 | 29,6 | 33,7 | 37,0 | 25,3 | 31,0 | 35,5 | 39,5 | 43,5 | 50,0 | 55,0 |] | Tab. 3215/0000F |
| | ug. sing. | 1,88 | 2,15 | 2,45 | 2,72 | 2,96 | 3,37 | 3,70 | 2,53 | 3,10 | 3,55 | 3,95 | 4,35 | 5,00 | 5,50 | | |

| unig | reen spa | | | - | | | | | a r.Ven 00-Ø6 | | | | 10 ge | etti | 9 | | (150) |
|-------------------------------|------------|------|------|--------|------|------|------|------|-------------------------|------|------|-------|-------|------|------|----------|---------------------|
| | | | - | 'R80-0 | | | | | | | | 015 V | ERDE | | | | Larghezza di lavoro |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| Ę | 3,5 | 291 | 343 | 411 | 446 | 503 | 549 | 577 | 46 | 514 | 611 | 674 | 749 | 823 | 869 | | |
| Velocità Km/h <i>speed</i> | 4 | 255 | 300 | 360 | 390 | 440 | 480 | 505 | 40 | 450 | 535 | 590 | 655 | 720 | 760 | Ja | |
| locità Ki <i>speed</i> | 5 | 204 | 240 | 288 | 312 | 352 | 384 | 404 | 32 | 360 | 428 | 472 | 524 | 576 | 608 | tri/h | |
| eloc <i>St</i> | 6 | 170 | 200 | 240 | 260 | 293 | 320 | 337 | 27 | 300 | 357 | 393 | 437 | 480 | 507 | Ë | <u>T</u> T |
| > | 7 | 146 | 171 | 206 | 223 | 251 | 274 | 289 | 23 | 257 | 306 | 337 | 374 | 411 | 434 | | 3 m. |
| | | | | | | | | | | | | | | | | | |
| ų/u | 3,5 | 219 | 257 | 309 | 334 | 377 | 411 | 433 | 34 | 386 | 459 | 506 | 561 | 617 | 651 | | |
| Velocità Km/h <i>speed</i> | 4 | 191 | 225 | 270 | 293 | 330 | 360 | 379 | 30 | 338 | 401 | 443 | 491 | 540 | 570 | na | |
| locità Kı <i>speed</i> | 5 | 153 | 180 | 216 | 234 | 264 | 288 | 303 | 24 | 270 | 321 | 354 | 393 | 432 | 456 | Litri/ha | |
| /elo S | 0 | 128 | 150 | 180 | 195 | 220 | 240 | 253 | 20 | 225 | 268 | 295 | 328 | 360 | 380 | | |
| > | 7 | 109 | 129 | 154 | 167 | 189 | 206 | 216 | 17 | 193 | 229 | 253 | 281 | 309 | 326 | | 4 m. |
| | <u> </u> | | | a (= | | | | | | | | 10- | | | | _ | |
| h/m | 3,5 | 175 | 206 | 247 | 267 | 302 | 329 | 346 | 27 | 309 | 367 | 405 | 449 | 494 | 521 | | |
| à Ki ed | 4 | 153 | 180 | 216 | 234 | 264 | 288 | 303 | 24 | 270 | 321 | 354 | 393 | 432 | 456 | tri/ha | |
| locità K <i>speed</i> | 5 | 122 | 144 | 173 | 187 | 211 | 230 | 242 | 19 | 216 | 257 | 283 | 314 | 346 | 365 | .itri/ | |
| Velocità Km/h <i>speed</i> | 6 | 102 | 120 | 144 | 156 | 176 | 192 | 202 | 16 | 180 | 214 | 236 | 262 | 288 | 304 | | |
| - | 7 | 87 | 103 | 123 | 134 | 151 | 165 | 173 | 14 | 154 | 183 | 202 | 225 | 247 | 261 | Ц | 5 m. |
| | Litri/min. | 5,1 | 6,0 | 7,2 | 7,8 | 8,8 | 9,6 | 10,1 | 0,8 | 9,0 | 10,7 | 11,8 | 13,1 | 14,4 | 15,2 | | Tab. 3215/0000F |
| | ug. sing. | 0,51 | 0,60 | 0,72 | 0,78 | 0,88 | 0,96 | 1,01 | 0,08 | 0,90 | 1,07 | 1,18 | 1,31 | 1,44 | 1,52 | | |

TABLES FOR CALIBRATING MISTBLOWERS Ø700-750

| u | nigreen spa | | | - | zione rate ta | | | | | | | | 12 g | etti | | | |
|-------------------------------|-------------|--------|------|------|------------------|------|------|------|-------|------|--------|------|--------|------|------|-----------|--------------------|
| | | LL./11 | | | cerar | | | | 00-07 | | strina | | nica (| ð1,2 | | | Larghezza di lavor |
| PRE | ESSIONE bar | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | Î | working width |
| | | | | | | | | | | | | | • | | | | |
| u/⊓ | 3,5 | 1291 | 1474 | 1680 | | | 2309 | | | | 2434 | | | | | | |
| Velocità Km/h <i>speed</i> | 4 | 1130 | | | | | | | 1520 | | | | | | | <u> </u> | |
| ocità Kr <i>speed</i> | 5 | 904 | 1032 | 1176 | 1304 | 1420 | 1616 | 1776 | 1216 | 1488 | 1704 | | | 2400 | | | |
| elo s | 0 | 753 | 860 | 980 | 1087 | | - | | 1013 | - | - | | | 2000 | 2200 | | <u> </u> |
| > | 7 | 646 | 737 | 840 | 931 | 1014 | 1154 | 1269 | 869 | 1063 | 1217 | 1354 | 1491 | 1714 | 1886 | | 3 m. |
| | | | | | | | | | | | | | | | | | |
| u/n | 3,5 | 969 | 1106 | 1260 | 1397 | | 1731 | 1903 | 1303 | 1594 | 1826 | 2031 | | | 2829 | | |
| Velocità Km/h <i>speed</i> | 4 | 848 | 968 | 1103 | 1223 | 1331 | 1515 | 1665 | 1140 | 1395 | 1598 | 1778 | 1958 | 2250 | 2475 | ha | |
| locità Kr <i>speed</i> | 5 | 678 | 774 | 882 | 978 | 1065 | 1212 | 1332 | 912 | 1116 | 1278 | | 1566 | | | . <u></u> | W W |
| elo s | 0 | 565 | 645 | 735 | 815 | 888 | 1010 | - | 760 | 930 | 1065 | | 1305 | 1500 | | | |
| > | 7 | 484 | 553 | 630 | 699 | 761 | 866 | 951 | 651 | 797 | 913 | 1016 | 1119 | 1286 | 1414 | | 4 m. |
| | | | | | | | | | | | | | | | | | |
| h/n | 3,5 | 775 | 885 | 1008 | 1118 | 1217 | 1385 | 1522 | 1042 | 1275 | 1461 | 1625 | 1790 | 2057 | 2263 | | |
| a Kn | 4 | 678 | 774 | 882 | 978 | 1065 | 1212 | 1332 | 912 | 1116 | 1278 | 1422 | 1566 | 1800 | 1980 | ла | |
| locità Kr <i>speed</i> | 5 | 542 | 619 | 706 | 782 | 852 | 970 | 1066 | | 893 | 1022 | 1138 | 1253 | 1440 | | | |
| Velocità Km/h <i>speed</i> | 0 | 452 | 516 | 588 | 652 | 710 | 808 | 888 | 608 | 744 | 852 | 948 | 1044 | 1200 | 1320 | | <u>1 P</u> |
| > | 7 | 387 | 442 | 504 | 559 | 609 | 693 | 761 | 521 | 638 | 730 | 813 | 895 | 1029 | 1131 | | 5 m. |
| | | | | | | | | | | | | | | | 1 | 7 | |
| | Litri/min. | 22,6 | 25,8 | 29,4 | 32,6 | 35,5 | 40,4 | 44,4 | 30,4 | 37,2 | 42,6 | 47,4 | 52,2 | 60,0 | 66,0 | l | Tab. 3215/0000F |
| | ug. sing. | 1,88 | 2,15 | 2,45 | 2,72 | 2,96 | 3,37 | 3,70 | 2,53 | 3,10 | 3,55 | 3,95 | 4,35 | 5,00 | 5,50 | Ī | |

| ur | nigreen spa | | | - | | | | | | ntola (50 12 | | | 12 ge | etti | í | F | (150) |
|-------------------------------|-------------|------------|------------|----------------|------------|------------|------------|------------|----------|------------------|------------|------------|------------|------------|------------|----------|---------------------|
| | | L1./11 | | ' R80-C | | | | er Ør | 00-07 | | | | ERDE | | | Π | Larghezza di lavoro |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | - 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| ч | 3,5 | 349 | 411 | 491 | 537 | 606 | 657 | 691 | 51 | 617 | 731 | 811 | 897 | 989 | 1040 | | ~ ~ |
| Velocità Km/h <i>speed</i> | 4 | 305 | 360 | 430 | 470 | 530 | 575 | 605 | 45 | 540 | 640 | 710 | 785 | 865 | 910 | | |
| ocità K speed | 5 | 244 | 288 | 344 | 376 | 424 | 460 | 484 | 36 | 432 | 512 | 568 | 628 | 692 | 728 | _itri/ha | |
| sloc <i>Sp</i> | 6 | 203 | 240 | 287 | 313 | 353 | 383 | 403 | 30 | 360 | 427 | 473 | 523 | 577 | 607 | Ë | <u> </u> |
| ۶ ۶ | 7 | 174 | 206 | 246 | 269 | 303 | 329 | 346 | 26 | 309 | 366 | 406 | 449 | 494 | 520 | | 3 m. |
| | | | | | | | | | | | | | | | | | |
| h/n | 3,5 | 261 | 309 | 369 | 403 | 454 | 493 | 519 | 39 | 463 | 549 | 609 | 673 | 741 | 780 | | |
| Velocità Km/h <i>speed</i> | 4 | 229 | 270 | 323 | 353 | 398 | 431 | 454 | 34 | 405 | 480 | 533 | 589 | 649 | 683 | ha | |
| locità Ki <i>speed</i> | 5 | 183 | 216 | 258 | 282 | 318 | 345 | 363 | 27 | 324 | 384 | 426 | 471 | 519 | 546 | _itri/ha | |
| /elo s | 6 | 153 | 180 | 215 | 235 | 265 | 288 | 303 | 23 | 270 | 320 | 355 | 393 | 433 | 455 | Ľ | |
| - | 7 | 131 | 154 | 184 | 201 | 227 | 246 | 259 | 19 | 231 | 274 | 304 | 336 | 371 | 390 | | 4 m. |
| - | 0.5 | 000 | 0.47 | 005 | 000 | 000 | 00.4 | | | 070 | 100 | 107 | = | = | 001 | _ | |
| m/h | 3,5 | 209 | 247 | 295 | 322 | 363 | 394 | 415 | 31 | 370 | 439 | 487 | 538 | 593 | 624 | | |
| à K ed | 4 | 183 | 216 | 258 | 282 | 318 | 345 | 363 | 27 | 324 | 384 | 426 | 471 | 519 | 546 | itri/ha | |
| Velocità Km/h <i>speed</i> | 5 | 146 | 173 | 206 | 226 | 254 | 276 | 290 | 22 | 259 | 307 | 341 | 377 | 415 | 437 | Litri | the way |
| Vel | 6 | 122 105 | 144 123 | 172 147 | 188 161 | 212 182 | 230 197 | 242 207 | 18 15 | 216 185 | 256 219 | 284 243 | 314 269 | 346 297 | 364 312 | | <u> </u> |
| | I | 100 | 120 | 177 | 101 | 102 | 107 | 207 | 10 | 105 | 215 | 270 | 200 | 201 | 012 | | V III. |
| | Litri/min. | 6,1 | 7,2 | 8,6 | 9,4 | 10,6 | 11,5 | 12,1 | 0,9 | 10,8 | 12,8 | 14,2 | 15,7 | 17,3 | 18,2 | | Tab. 3215/0000F |
| | ug. sing. | 0,51 | 0,60 | 0,72 | 0,78 | 0,88 | 0,96 | 1,01 | 0,08 | 0,90 | 1,07 | 1,18 | 1,31 | 1,44 | 1,52 | | |

TABLES FOR CALIBRATING MISTBLOWERS Ø800

| ur | nigreen spa | | | | • | | | | | | | 00 14 | getti | | | | |
|-------------------------------|-------------|------|------|------|-------------------------|------|------|-------|------|------|------|------------|-------|------|---------|----------|---------------------|
| | | L | | | <i>ing rat</i> cerar | | | lower | 0800 | | | s ceran | nica | 712 | | | Larghezza di lavoro |
| PRF | SSIONE bar | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | working width |
| | | 10 | 10 | 20 | 20 | 00 | 40 | 50 | 10 | 10 | 20 | 20 | 00 | τv | 50 | | Working Water |
| Ļ | 3,5 | 1127 | 1290 | 1470 | 1633 | 1774 | 2023 | 2220 | 1517 | 1860 | 2130 | 2370 | 2610 | 3000 | 3300 | | |
| Velocità Km/h <i>speed</i> | | 986 | | 1286 | | | | 1943 | | | | 2074 | | | | | |
| locità Kı <i>speed</i> | 5 | 789 | 903 | 1029 | 1143 | 1242 | | 1554 | | 1302 | | 1659 | | | | Litri/ha | |
| sloc sp | 6 | 658 | 753 | 858 | 953 | | 1180 | | | | | 1383 | | | | Ľ | or su |
| Š | 7 | 564 | 645 | 735 | 816 | 887 | | 1110 | | | | 1185 | | | | | 4 |
| | | | • | • | | | | | | | | | | | | | - |
| h/h | 3,5 | 902 | 1032 | 1176 | 1306 | 1419 | 1618 | 1776 | 1214 | 1488 | 1704 | 1896 | 2088 | 2400 | 2640 | | . |
| Velocità Km/h <i>speed</i> | 4 | 789 | 903 | 1029 | 1143 | 1242 | 1416 | 1554 | 1062 | 1302 | 1491 | 1659 | 1827 | 2100 | 2310 | g | |
| locità Ki <i>speed</i> | 5 | 631 | 722 | 823 | 914 | 994 | 1133 | 1243 | 850 | 1042 | 1193 | 1327 | 1462 | 1680 | 1848 | Litri/ha | |
| elo(<i>SI</i> | 6 | 526 | 602 | 686 | 762 | 828 | 944 | 1036 | 708 | 868 | 994 | 1106 | 1218 | 1400 | 1540 | Ξ | <u>T</u> |
| > | 7 | 451 | 516 | 588 | 653 | 710 | 809 | 888 | 607 | 744 | 852 | 948 | 1044 | 1200 | 1320 | | 5 m. |
| | | | | | | | | | | | | | | | | | - |
| ų/u | 3,5 | 751 | 860 | 980 | 1089 | 1183 | 1349 | 1480 | 1011 | 1240 | 1420 | 1580 | 1740 | 2000 | 2200 | | |
| i Kn ≋ď | 4 | 658 | 753 | 858 | 953 | 1035 | 1180 | | | 1085 | | 1383 | 1523 | 1750 | 1925 | ha | |
| Velocità Km/h <i>speed</i> | 5 | 526 | 602 | 686 | 762 | 828 | 944 | 1036 | | 868 | 994 | 1106 | | | | Litri/ha | |
| 'elo S | 0 | 438 | 502 | 572 | 635 | 690 | 787 | 863 | 590 | 723 | 828 | | | 1167 | | | |
| ^ | 7 | 376 | 430 | 490 | 544 | 591 | 674 | 740 | 506 | 620 | 710 | 790 | 870 | 1000 | 1100 | | 6 m. |
| | | | | | | | 1-6 | | | | | | | | | 1 | T |
| | Litri/min. | 26,3 | 30,1 | 34,3 | 38,1 | 41,4 | 47,2 | 51,8 | 35,4 | 43,4 | 49,7 | 55,3 | 60,9 | 70,0 | 77,0 | | Tab. 3215/0000F |
| | ug. sing. | 1,88 | 2,15 | 2,45 | 2,72 | 2,96 | 3,37 | 3,70 | 2,53 | 3,10 | 3,55 | 3,95 | 4,35 | 5,00 | 5,50 | | |

| ur | nigreen spa | L | | | - | | | | o Gr. Ø800 | | | | getti | | | (| 60 |
|-----------------------------|-------------|------|------|-------|-------|------|------|------|---------------|------|------------|-------|------------|------|------|----------|---------------------|
| | | | Т | R80-0 |)1 AR | ANCI | C | | | | TR80- | 015 V | ERDE | | | | Larghezza di lavoro |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| £ | 3,5 | 304 | 360 | 433 | 467 | 527 | 574 | 604 | 47 | 540 | 643 | 707 | 784 | 866 | 913 | | #1) D |
| Km/h d | 4 | 266 | 315 | 379 | 409 | 461 | 503 | 529 | 41 | 473 | 563 | 619 | 686 | 758 | 799 | в | |
| | 5 | 213 | 252 | 303 | 327 | 369 | 402 | 423 | 33 | 378 | 450 | 495 | 549 | 606 | 639 | Litri/ha | |
| Velocità <i>spe</i> e | 6 | 178 | 210 | 253 | 273 | 308 | 335 | 353 | 28 | 315 | 375 | 413 | 458 | 505 | 533 | Lit | the second |
| ٧e | 7 | 152 | 180 | 216 | 234 | 264 | 287 | 302 | 24 | 270 | 321 | 354 | 392 | 433 | 456 | | 4 m. |
| | | | | | | | | | | | | | | | | | |
| Km/h ď | 3,5 | 243 | 288 | 346 | 374 | 422 | 459 | 483 | 38 | 432 | 514 | 566 | 627 | 693 | 730 | | |
| | 4 | 213 | 252 | 303 | 327 | 369 | 402 | 423 | 33 | 378 | 450 | 495 | 549 | 606 | 639 | ha | |
| Velocità Kı <i>speed</i> | 5 | 170 | 202 | 242 | 262 | 295 | 322 | 338 | 26 | 302 | 360 | 396 | 439 | 485 | 511 | Litri/ha | |
| /elc s | 0 | 142 | 168 | 202 | 218 | 246 | 268 | 282 | 22 | 252 | 300 | 330 | 366 | 404 | 426 | | <u>-1 F</u> |
| - | 7 | 122 | 144 | 173 | 187 | 211 | 230 | 242 | 19 | 216 | 257 | 283 | 314 | 346 | 365 | | 5 m. |
| ~ | 2.5 | 203 | 240 | 289 | 311 | 351 | 383 | 403 | 31 | 360 | 429 | 471 | 523 | 577 | 609 | | |
| Km/h d | 3,5 4 | 203 | 240 | 269 | 273 | 308 | 335 | 353 | 28 | 315 | 429 375 | 413 | 523 458 | 505 | 533 | æ | |
| | 5 | 142 | 168 | 202 | 218 | 246 | 268 | 282 | 20 | 252 | 300 | 330 | 366 | 404 | 426 | Litri/ha | |
| Velocità <i>spe</i> e | 6 | 118 | 140 | 168 | 182 | 205 | 223 | 235 | 18 | 210 | 250 | 275 | 305 | 337 | 355 | Lit | the sta |
| Ve | 7 | 101 | 120 | 144 | 156 | 176 | 191 | 201 | 16 | 180 | 214 | 236 | 261 | 289 | 304 | | <u>6 m.</u> |
| | | | | | | | | | | | | | | | | | |
| | Litri/min. | 7,1 | 8,4 | 10,1 | 10,9 | 12,3 | 13,4 | 14,1 | 1,1 | 12,6 | 15,0 | 16,5 | 18,3 | 20,2 | 21,3 | | Tab. 3215/0000F |
| | ug. sing. | 0,51 | 0,60 | 0,72 | 0,78 | 0,88 | 0,96 | 1,01 | 0,08 | 0,90 | 1,07 | 1,18 | 1,31 | 1,44 | 1,52 | | |

TABLES FOR CALIBRATING MISTBLOWERS Ø900

| ur | nigreen spa | | Tabe | lla er | ogazi | one ii | n Litri | /ettar | o Gr. | Vento | la Ø9 | 00 16 | getti | | | | |
|-------------------------------|-------------|------|----------|--------|---------|----------|-------------|--------|-------|-------|--------|-------|--------|------|------|----------|---------------------|
| | | L | .t./ha s | pread | ing rat | te table | e for B | lower | Ø900 | 16 NC | ZZLE | S | | | Ì | | |
| | | | Pias | strina | cerar | nica (| ð1,0 | | | Pias | strina | ceran | nica (| ð1,2 | | | Larghezza di lavoro |
| PRE | SSIONE bar | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | working width |
| | | | | | | | | | _ | | | | | | | | |
| Velocità Km/h <i>speed</i> | 3,5 | 1290 | 1474 | | | | | | | | | 2709 | | | | | |
| a Kr | 4 | | 1290 | | | | | | | | | 2370 | | | | Litri/ha | |
| locità Kı <i>speed</i> | 5 | 903 | | 1176 | 1305 | | 1617 | | | | | 1896 | | | | itri/ | |
| /elo S | 0 | 753 | 860 | 980 | 1088 | | | | | | | 1580 | | | | | |
| > | 7 | 645 | 737 | 840 | 932 | 1016 | 1155 | 1269 | 868 | 1063 | 1217 | 1354 | 1491 | 1714 | 1886 | | 4 m. |
| | | | | | | | | | | | | | | | | | |
| h/n | 3,5 | 1032 | 1179 | 1344 | 1491 | 1625 | 1848 | 2030 | 1389 | 1701 | 1947 | 2167 | 2386 | 2743 | 3017 | | |
| Velocità Km/h <i>speed</i> | 4 | 903 | 1032 | | | 1422 | 1617 | | 1215 | 1488 | | 1896 | | | | ha | |
| locità Kı <i>speed</i> | 5 | 722 | 826 | 941 | 1044 | | | | 972 | 1190 | | 1517 | | | | Litri/ha | |
| /elo S | 0 | 602 | 688 | 784 | 870 | 948 | | | | 992 | | 1264 | | | | | |
| > | 7 | 516 | 590 | 672 | 746 | 813 | 924 | 1015 | 694 | 850 | 974 | 1083 | 1193 | 1371 | 1509 | | 5 m. |
| | | | | | | | | | _ | | | | | | | | |
| u/h | 3,5 | 860 | 983 | 1120 | | | | | - | 1417 | | 1806 | | | | | |
| a Kn | 4 | 753 | 860 | 980 | 1088 | | | | 1013 | | | | | | 2200 | ha | |
| locità Kr <i>speed</i> | 5 | 602 | 688 | 784 | 870 | 948 | 1078 | | | 992 | 1136 | | | | 1760 | Litri/ha | |
| Velocità Km/h <i>speed</i> | 0 | 502 | 573 | 653 | 725 | 790 | 898 | 987 | 675 | 827 | 947 | | | 1333 | | | |
| > | 7 | 430 | 491 | 560 | 621 | 677 | 770 | 846 | 579 | 709 | 811 | 903 | 994 | 1143 | 1257 | | 6 m. |
| | | | | | | | | | | | | | | | | 1 | |
| | Litri/min. | 30,1 | 34,4 | 39,2 | 43,5 | 47,4 | 53,9 | 59,2 | 40,5 | 49,6 | 56,8 | 63,2 | 69,6 | 80,0 | 88,0 | | Tab. 3215/0000F |
| | ug. sing. | 1,88 | 2,15 | 2,45 | 2,72 | 2,96 | 3,37 | 3,70 | 2,53 | 3,10 | 3,55 | 3,95 | 4,35 | 5,00 | 5,50 | | |

| u | nigreen spa | | | | - | | | | | /ento 16 NC | | | getti | | | | (150) |
|---------------------------|-------------|------|------|-------|------|------|------|------|------|-----------------------|------|-------|-------|------|------|----------|---------------------|
| | | | | R80-0 | | | | | | | | 015 V | ERDE | | | | Larghezza di lavoro |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| <u>ر</u> | 3,5 | 351 | 411 | 493 | 536 | 604 | 660 | 694 | 51 | 617 | 733 | 810 | 900 | 986 | 1041 | | |
| Km/h ď | 4 | 308 | 360 | 493 | 469 | 529 | 578 | 608 | 45 | 540 | 641 | 709 | 788 | 863 | 911 | ч | sia sia |
| | 5 | 246 | 288 | 345 | 375 | 423 | 462 | 486 | 36 | 432 | 513 | 567 | 630 | 690 | 729 | Litri/ha | |
| Velocità <i>spee</i> | 6 | 205 | 240 | 288 | 313 | 353 | 385 | 405 | 30 | 360 | 428 | 473 | 525 | 575 | 608 | Litı | of the |
| Ve | 7 | 176 | 206 | 246 | 268 | 302 | 330 | 347 | 26 | 309 | 366 | 405 | 450 | 493 | 521 | | 4 m. |
| | | | | | | | | _ | | | | | | | | | |
| /h | 3,5 | 281 | 329 | 394 | 429 | 483 | 528 | 555 | 41 | 494 | 586 | 648 | 720 | 789 | 833 | | |
| Km/h ď | 4 | 246 | 288 | 345 | 375 | 423 | 462 | 486 | 36 | 432 | 513 | 567 | 630 | 690 | 729 | າສ | |
| locità Kı <i>speed</i> | 5 | 197 | 230 | 276 | 300 | 338 | 370 | 389 | 29 | 346 | 410 | 454 | 504 | 552 | 583 | Litri/ha | |
| Velocità <i>spee</i> | 6 | 164 | 192 | 230 | 250 | 282 | 308 | 324 | 24 | 288 | 342 | 378 | 420 | 460 | 486 | Ľ | <u>T</u> T |
| > | 7 | 141 | 165 | 197 | 214 | 242 | 264 | 278 | 21 | 247 | 293 | 324 | 360 | 394 | 417 | | 5 m. |
| | | | | | | | | | | | | | | | | | |
| Km/h ď | 3,5 | 234 | 274 | 329 | 357 | 403 | 440 | 463 | 34 | 411 | 489 | 540 | 600 | 657 | 694 | | |
| | 4 | 205 | 240 | 288 | 313 | 353 | 385 | 405 | 30 | 360 | 428 | 473 | 525 | 575 | 608 | ha | |
| locità Kı <i>speed</i> | 5 | 164 | 192 | 230 | 250 | 282 | 308 | 324 | 24 | 288 | 342 | 378 | 420 | 460 | 486 | Litri/ha | |
| Velocità <i>spee</i> | 6 | 137 | 160 | 192 | 208 | 235 | 257 | 270 | 20 | 240 | 285 | 315 | 350 | 383 | 405 | | |
| ~ | 7 | 117 | 137 | 164 | 179 | 201 | 220 | 231 | 17 | 206 | 244 | 270 | 300 | 329 | 347 | | 6 m. |
| | Litri/min. | 8,2 | 9,6 | 11,5 | 12,5 | 14,1 | 15,4 | 16,2 | 1,2 | 14,4 | 17,1 | 18,9 | 21,0 | 23,0 | 24,3 | | Tab. 3215/0000F |
| | ug. sing. | 0,51 | 0,60 | 0,72 | 0,78 | 0,88 | 0,96 | 1,01 | 0,08 | 0,90 | 1,07 | 1,18 | 1,31 | 1,44 | 1,52 | • | |

TABLES FOR CALIBRATING MISTBLOWERS Ø650 TGZ

| ur | nigreen spa | | | | - | | | | o Gr.\ Ø650 | | | | getti | | 8 | 14 | GETTI 😡 |
|-------------------------------|-------------|------|------|------|------|------|------|-----------|----------------|------|-------|------|-------|------|------|----------|---------------------|
| | | L | | | - V | VER | | ower | 0050 | | R 80- | | | U | | | Larghezza di lavoro |
| PRES | SIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| ų/ | 3,5 | 727 | 864 | 1029 | 1131 | 1255 | 1385 | 1461 | 1467 | 1735 | 2085 | 2283 | 2551 | 2791 | 2949 | | 83. B. |
| άK | 4 | 636 | 756 | 900 | 990 | 1098 | 1212 | 1278 | 1284 | 1518 | 1824 | 1998 | 2232 | 2442 | 2580 | Ja | |
| Velocità Km/h <i>speed</i> | 5 | 509 | 605 | 720 | 792 | 878 | 970 | 1022 | 1027 | 1214 | 1459 | 1598 | 1786 | 1954 | 2064 | Litri/ha | |
| elo(| 6 | 424 | 504 | 600 | 660 | 732 | 808 | 852 | 856 | 1012 | 1216 | 1332 | 1488 | 1628 | 1720 | Ë | <u>T</u> <u>T</u> |
| > | 7 | 363 | 432 | 514 | 566 | 627 | 693 | 730 | 734 | 867 | 1042 | 1142 | 1275 | 1395 | 1474 | | 2,5 m. |
| | | | | | | | | | | | | | | | | | |
| u/µ | 3,5 | 606 | 720 | 857 | 943 | 1046 | 1154 | 1217 | | | 1737 | 1903 | | - | | | |
| Velocità Km/h <i>speed</i> | 4 | 530 | 630 | 750 | 825 | 915 | 1010 | | | 1265 | | | | | 2150 | ha | |
| locità Kr <i>speed</i> | 5 | 424 | 504 | 600 | 660 | 732 | 808 | 852 | 856 | 1012 | 1216 | | 1488 | - | 1720 | Litri/ha | |
| 'elo s | 6 | 353 | 420 | 500 | 550 | 610 | 673 | 710 | 713 | 843 | 1013 | - | | - | 1433 | | <u>1</u> |
| > | 7 | 303 | 360 | 429 | 471 | 523 | 577 | 609 | 611 | 723 | 869 | 951 | 1063 | 1163 | 1229 | | 3 m. |
| | | | | | | | | | | | | | | | | 1 | |
| ۲/u | 3,5 | 454 | 540 | 643 | 707 | 784 | 866 | 913 | 917 | 1084 | | | | | 1843 | | |
| ed K | 4 | 398 | 473 | 563 | 619 | 686 | 758 | 799 | 803 | 949 | 1140 | 1249 | 1395 | | 1613 | ha | |
| Velocità Km/h <i>speed</i> | 5 | 318 | 378 | 450 | 495 | 549 | 606 | 639 | 642 | 759 | 912 | 999 | 1116 | | 1290 | Litri/ha | |
| /elc s | 6 | 265 | 315 | 375 | 413 | 458 | 505 | 533 | 535 | 633 | 760 | 833 | 930 | | 1075 | | <u>1</u> |
| ~ | 7 | 227 | 270 | 321 | 354 | 392 | 433 | 456 | 459 | 542 | 651 | 714 | 797 | 872 | 921 | | 4 m. |
| [| Litri/min. | 10,6 | 12,6 | 15,0 | 16,5 | 18,3 | 20,2 | 20,2 21,3 | | 25,3 | 30,4 | 33,3 | 37,2 | 40,7 | 43,0 | | Tab. 3215/0000F |
| | ug. sing. | 0,76 | 0,9 | 1,07 | 1,18 | 1,31 | 1,44 | 1,52 | 1,53 | 1,81 | 2,17 | 2,38 | 2,66 | 2,91 | 3,07 | | |

N.B. to calculate the different ranges it is sufficient to multiply the value lt/hectare by the corresponding width indicated in the table and divide it by the new width (see chapter 6.3, page 20).

TABLES FOR CALIBRATING MISTBLOWERS Ø800 TGZ

| ur | nigreen spa | | | | - | | | | o Gr.\ | | | | getti | | 8 | 16 | GETTI (SO) |
|-------------------------------|-------------|------|------|------|------|------|------|-------|--------|------|-------|------|-------|------|------|----------|---------------------|
| | | L | | | | VERI | | lower | Ø800 | | R 80- | | 0 BL | 1 | | | Larghezza di lavoro |
| PRES | SIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 5 | 7 | 10 | 12 | 15 | 18 | 20 | | working width |
| ų/u | 3,5 | 697 | 823 | 977 | 1080 | 1200 | 1314 | 1389 | 1400 | 1657 | 1983 | 2177 | 2434 | 2663 | 2806 | | <i></i> |
| σĽ | 4 | 610 | 720 | 855 | 945 | 1050 | 1150 | 1215 | 1225 | 1450 | 1735 | 1905 | 2130 | 2330 | 2455 | д | |
| Velocità Km/h <i>speed</i> | 5 | 488 | 576 | 684 | 756 | 840 | 920 | 972 | 980 | 1160 | 1388 | 1524 | 1704 | 1864 | 1964 | Litri/ha | |
| elo(| 6 | 407 | 480 | 570 | 630 | 700 | 767 | 810 | 817 | 967 | 1157 | 1270 | 1420 | 1553 | 1637 | | <u>T</u> |
| > | 7 | 349 | 411 | 489 | 540 | 600 | 657 | 694 | 700 | 829 | 991 | 1089 | 1217 | 1331 | 1403 | | 3 m. |
| | | | | | | | | | _ | | | | | | | | - |
| 4/u | 3,5 | 523 | 617 | 733 | 810 | 900 | 986 | 1041 | 1050 | - | | | | | 2104 | | ja ja |
| Velocità Km/h <i>speed</i> | 4 | 458 | 540 | 641 | 709 | 788 | 863 | 911 | 919 | 1088 | 1301 | | | 1748 | | ha | |
| locità Ki <i>speed</i> | 5 | 366 | 432 | 513 | 567 | 630 | 690 | 729 | 735 | 870 | 1041 | 1143 | 1278 | 1398 | 1473 | Litri/ha | |
| s'elo | 6 | 305 | 360 | 428 | 473 | 525 | 575 | 608 | 613 | 725 | 868 | 953 | 1065 | | - | | |
| > | 7 | 261 | 309 | 366 | 405 | 450 | 493 | 521 | 525 | 621 | 744 | 816 | 913 | 999 | 1052 | | 4 m. |
| | | | | | | | | | | | | | | | | r — | |
| Km/h d | 3,5 | 418 | 494 | 586 | 648 | 720 | 789 | 833 | 840 | 994 | 1190 | 1306 | | | 1683 | | |
| λ β | 4 | 366 | 432 | 513 | 567 | 630 | 690 | 729 | 735 | 870 | 1041 | 1143 | 1278 | 1398 | 1473 | ha | |
| Velocità Ki <i>speed</i> | 5 | 293 | 346 | 410 | 454 | 504 | 552 | 583 | 588 | 696 | 833 | 914 | 1022 | | 1178 | Litri/ha | |
| /elo s | 6 | 244 | 288 | 342 | 378 | 420 | 460 | 486 | 490 | 580 | 694 | 762 | 852 | 932 | 982 | | |
| ^ | 7 | 209 | 247 | 293 | 324 | 360 | 394 | 417 | 420 | 497 | 595 | 653 | 730 | 799 | 842 | | 5 m. |
| [| Litri/min. | 12,2 | 14,4 | 17,1 | 18,9 | 21,0 | 23,0 | 24,3 | 24,5 | 29,0 | 34,7 | 38,1 | 42,6 | 46,6 | 49,1 | I | Tab. 3215/0000F |
| | ug. sing. | 0,76 | 0,9 | 1,07 | 1,18 | 1,31 | 1,44 | 1,52 | 1,53 | 1,81 | 2,17 | 2,38 | 2,66 | 2,91 | 3,07 | | |

CALIBRATING TABLE for CANNONS

TABLES FOR CALIBRATING CANNONS Ø450

| (15 | 3 0) | | | | - | | | | | | | 50 2 g | | | | | unigreen spa |
|-------------------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|-----------------|
| | | | Lt./na | | 80-03 | | ole lor | Canno | one Bi | | | 2 NOZ | | Ø1.5 | | | Gittata |
| PRE | ESSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | spray distance |
| c | 0.5 | 50 | <u> </u> | 74 | 00 | 01 | 100 | 105 | 75 | 01 | 105 | 447 | 100 | 140 | 100 | | |
| m/h | 3,5 | 52 | 62 | 74 | 82 | 91 | 100 | 105 | 75 | 91 | 105 | 117 | 129 | 146 | 163 | _ | |
| à K ed | 4 5 | 46 | 54 | 65 | 71 | 80 64 | 87 70 | 92 | 66 | 80 | 92 | 102 | 113 | 128 | 143 | /ha | $\phi = \phi$ |
| Velocità Km/h <i>speed</i> | 5 6 | 37 31 | 43 36 | 52 43 | 57 48 | 64 53 | 70 58 | 74 61 | 53 44 | 64 53 | 73 61 | 82 68 | 90 75 | 102 | 114 95 | Litri/ha | |
| Vel | 7 | 26 | 30 | 43 37 | 40 | 46 | 50 | 53 | 44 38 | 45 | 52 | 58 | 65 | 85 73 | 95 82 | | 10 m. |
| | 1 | 20 | 51 | 57 | 41 | 40 | 50 | 55 | 00 | 40 | 52 | 50 | 05 | 75 | 02 | | 10 111. |
| ٢ | 3,5 | 35 | 41 | 50 | 54 | 61 | 67 | 70 | 50 | 61 | 70 | 78 | 86 | 97 | 109 | | |
| γ Υ | | 31 | 36 | 43 | 48 | 53 | 58 | 61 | 44 | 53 | 61 | 68 | 75 | 85 | 95 | в | (P) |
| Velocità Km/h <i>speed</i> | 5 | 24 | 29 | 35 | 38 | 43 | 47 | 49 | 35 | 42 | 49 | 55 | 60 | 68 | 76 | Litri/ha | 5 |
| eloc sp | 6 | 20 | 24 | 29 | 32 | 35 | 39 | 41 | 29 | 35 | 41 | 45 | 50 | 57 | 63 | Ľ | |
| × × | 7 | 17 | 21 | 25 | 27 | 30 | 33 | 35 | 25 | 30 | 35 | 39 | 43 | 49 | 54 | | 15 m. |
| | | | | • | | | | | | | | | | | | | |
| h/h | 3,5 | 29 | 34 | 41 | 45 | 51 | 55 | 58 | 42 | 50 | 58 | 65 | 72 | 81 | 91 | | |
| γY | 4 | 26 | 30 | 36 | 40 | 44 | 49 | 51 | 37 | 44 | 51 | 57 | 63 | 71 | 79 | Ъ | P |
| locità Kr <i>speed</i> | 5 | 20 | 24 | 29 | 32 | 35 | 39 | 41 | 29 | 35 | 41 | 45 | 50 | 57 | 63 | Litri/ha | |
| Velocità Km/h <i>speed</i> | 0 | 17 | 20 | 24 | 26 | 30 | 32 | 34 | 24 | 29 | 34 | 38 | 42 | 47 | 53 | | |
| > | 7 | 15 | 17 | 21 | 23 | 25 | 28 | 29 | 21 | 25 | 29 | 32 | 36 | 40 | 45 | | 18 m. |
| | | | | 1.0 | | | | | | | | | | | | | T 0015/00005 |
| | Litri/min. | 3,1 | 3,6 | 4,3 | 4,8 | 5,3 | 5,8 | 6,1 | 4,4 | 5,3 | 6,1 | 6,8 | 7,5 | 8,5 | 10 | | Tab. 3215/0000F |

nota: portate minime indicative (getto regolabile avvitato) con getto svitato maggiorazioni fino al 60%

N.B. to calculate the different ranges it is sufficient to multiply the value lt/hectare by the corresponding width indicated in the table and divide it by the new width (see chapter 6.3, page 20).

| (19 | 6 | | | - | | | | | annoi | | | - | | | | | unigreen spa |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------|------------|------------|------------|------------|------------|------------|----------|----------------|
| / | | .t./ha s | preau | | 80-03 | | annon | еыо | ver Ø4 | | | cerar | | | 15 | | Gittata |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | spray distance |
| <u> </u> | 0.5 | 100 | 100 | 100 | 017 | 040 | 071 | 004 | 100 | 107 | 000 | 050 | 070 | 017 | 050 | | |
| /m/ | 3,5 4 | 139 122 | 168 147 | 196 172 | 217 190 | 240 210 | 271 237 | 294 257 | 162 142 | 197 173 | 226 198 | 252 221 | 278 244 | 317 278 | 352 308 | ~ | |
| Velocità Km/h <i>speed</i> | 5 | 97 | 118 | 137 | 152 | 168 | 190 | 206 | 114 | 138 | 158 | 177 | 195 | 222 | 246 | Litri/ha | OM |
| sloci sp | 6 | 81 | 98 | 114 | 127 | 140 | 158 | 171 | 95 | 115 | 132 | 147 | 162 | 185 | 205 | Ē | 11112 |
| ۶ ۱ | 7 | 70 | 84 | 98 | 109 | 120 | 136 | 147 | 81 | 99 | 113 | 126 | 139 | 159 | 176 | | 10 m. |
| | | - | | | | | | | | | | | | | | | |
| µ/µ | 3,5 | 93 | 112 | 131 | 145 | 160 | 181 | 196 | 108 | 131 | 151 | 168 | 186 | 211 | 235 | | |
| ed K | 4 | 81 | 98 | 114 | 127 | 140 | 158 | 171 | 95 | 115 | 132 | 147 | 162 | 185 | 205 | ha | R |
| locità Ki <i>speed</i> | 5 | 65 | 79 | 92 | 101 | 112 | 127 | 137 | 76 | 92 | 106 | 118 | 130 | 148 | 164 | Litri/ha | |
| Velocità Km/h <i>speed</i> | 6 | 54 | 65 | 76 | 84 | 93 | 105 | 114 | 63 | 77 | 88 | 98 | 108 | 123 | 137 | | 4 = |
| - | 7 | 46 | 56 | 65 | 72 | 80 | 90 | 98 | 54 | 66 | 75 | 84 | 93 | 106 | 117 | | 15 m. |
| ے | 3,5 | 77 | 94 | 109 | 121 | 134 | 151 | 163 | 90 | 110 | 126 | 140 | 155 | 176 | 195 | | |
| Velocità Km/h <i>speed</i> | 4 | 68 | 82 | 95 | 106 | 117 | 132 | 143 | - <u>30</u> 79 | 96 | 110 | 123 | 135 | 154 | 171 | в | |
| ocità Ki <i>speed</i> | 5 | 54 | 65 | 76 | 84 | 93 | 105 | 114 | 63 | 77 | 88 | 98 | 108 | 123 | 137 | Litri/ha | SUM S |
| eloc sp | 6 | 45 | 55 | 64 | 70 | 78 | 88 | 95 | 53 | 64 | 73 | 82 | 90 | 103 | 114 | Ë | 11113 |
| ž | 7 | 39 | 47 | 54 | 60 | 67 | 75 | 82 | 45 | 55 | 63 | 70 | 77 | 88 | 98 | | 18 m. |

 Litri/min.
 8,1
 9,8
 11,4
 12,7
 14,0
 15,8
 17,1
 9,5
 11,5
 13,2
 14,7
 16,2
 18,5
 20,5
 Tab. 3

 nota: portate minime indicative (getto regolabile avvitato) con getto svitato maggiorazioni fino al 60%
 al 60%
 bl 8,1
 bl 8,2
 bl 8,2

Tab. 3215/0000F

| (19 | <u>so</u> | | | - | | | | | | | - | etti + .ES + 2 | | | 25 | | unigreen spa |
|-------------------------------|------------|---------|-------|------|-------|------|------|--------|------|------|------|--------------------------|------|------|------|----------|-----------------|
| | | ./na 5p | neaun | - U | 30-03 | | | 5 DION | | | | cerar | | | 55 | [| Gittata |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | spray distance |
| | | | | | | | | | | | | | | | | | |
| ۲/u | 3,5 | 140 | 165 | 198 | 218 | 243 | 266 | 281 | 201 | 242 | 279 | 312 | 345 | 389 | 435 | | |
| Velocità Km/h <i>speed</i> | 4 | 122 | 145 | 174 | 190 | 213 | 233 | 246 | 176 | 212 | 244 | 273 | 302 | 340 | 381 | Litri/ha | R |
| locità Kı <i>speed</i> | 5 | 98 | 116 | 139 | 152 | 170 | 186 | 196 | 141 | 170 | 195 | 218 | 241 | 272 | 305 | itri/ | 0 W/2 |
| s'elo | 6 | 82 | 97 | 116 | 127 | 142 | 155 | 164 | 117 | 141 | 163 | 182 | 201 | 227 | 254 | | |
| > | 7 | 70 | 83 | 99 | 109 | 122 | 133 | 140 | 101 | 121 | 139 | 156 | 172 | 194 | 218 | | 15 m. |
| | | | _ | | | | | | | | | | | | | | |
| Km/h d | 3,5 | 117 | 138 | 165 | 181 | 203 | 222 | 234 | 168 | 202 | 232 | 260 | 287 | 324 | 363 | | |
| λß | 4 | 102 | 121 | 145 | 159 | 177 | 194 | 205 | 147 | 177 | 203 | 227 | 251 | 283 | 317 | Ъа | R |
| Velocità Ki <i>speed</i> | 5 | 82 | 97 | 116 | 127 | 142 | 155 | 164 | 117 | 141 | 163 | 182 | 201 | 227 | 254 | Litri/ha | 2 WU / |
| elo S | 6 | 68 | 80 | 96 | 106 | 118 | 129 | 136 | 98 | 118 | 136 | 152 | 168 | 189 | 212 | | |
| > | 7 | 58 | 69 | 83 | 91 | 101 | 111 | 117 | 84 | 101 | 116 | 130 | 144 | 162 | 181 | | 18 m. |
| | | | | | | | | | - | - | | | | | | _ | |
| ۲ ۲ | 3,5 | 91 | 108 | 129 | 142 | 159 | 174 | 183 | 131 | 158 | 182 | 203 | 225 | 253 | 284 | | |
| μΫ́ | 4 | 80 | 94 | 113 | 124 | 139 | 152 | 160 | 115 | 138 | 159 | 178 | 197 | 222 | 248 | д | (FR) |
| ocità Kı <i>speed</i> | 5 | 64 | 76 | 91 | 99 | 111 | 121 | 128 | 92 | 111 | 127 | 142 | 157 | 177 | 199 | Litri/ha | |
| Velocità Km/h <i>speed</i> | 6 | 53 | 63 | 75 | 83 | 93 | 101 | 107 | 77 | 92 | 106 | 119 | 131 | 148 | 166 | | |
| > | 7 | 46 | 54 | 65 | 71 | 79 | 87 | 92 | 66 | 79 | 91 | 102 | 112 | 127 | 142 | | 23 m. |
| - | | | | | | | | | | | | | | | | | |
| | Litri/min. | 12,2 | 14,5 | 17,4 | 19,0 | 21,3 | 23,3 | 24,6 | 17,6 | 21,2 | 24,4 | 27,3 | 30,2 | 34,0 | 38,1 | | Tab. 3215/0000F |

CALIBRATING TABLE for CANNONS

TABLES FOR CALIBRATING CANNONS Ø400 - 440 - 480

nota: portate minime indicative (getto regolabile avvitato) con getto svitato maggiorazioni fino al 60%

N.B. to calculate the different ranges it is sufficient to multiply the value lt/hectare by the corresponding width indicated in the table and divide it by the new width (see chapter 6.3, page 20).

| (1) | D Lt/h | a spre | | | - | | | | | | | | - | + 2 l a de noz | | i | unigreen spa |
|-------------------------------|------------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|------------|-----------|------------|--------------------------|------------|----------|----------------|
| | | | | | 30-03 | | | | | | | cerar | | | | | Gittata |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | spray distance |
| _ 1 | 0 - | 405 | 101 | 1.10 | 100 | 100 | | 011 | 454 | 100 | 000 | 001 | 0.50 | 004 | | - | |
| Velocità Km/h <i>speed</i> | 3,5 | 105 | 124 | 149 | 163 | 182 | 200 | 211 | 151 | 182 | 209 | 234 | 259 | 291 | 326 | | |
| locità Kr <i>speed</i> | 4 | 92 | 109 | 130 | 143 | 160 | 175 | 184 | 132 | 159 | 183 | 205 | 226 | 255 | 286 | Litri/ha | OK T |
| ocit: spe | 5 | 73 | 87 | 104 | 114 | 128 | 140 | 147 | 106 | 127 | 146 | 164 | 181 | 204 | 228 | .itri | |
| Velo | 6 7 | 61 | 72 | 87 | 95 | 106 | 116 | 123 | 88 | 106 | 122 | 136 | 151 | 170 | 190 | | 00 |
| - | 1 | 52 | 62 | 74 | 82 | 91 | 100 | 105 | 75 | 91 | 105 | 117 | 129 | 146 | 163 | | 20 m. |
| c | 0.5 | 70 | 00 | 00 | 100 | 100 | 100 | 140 | 101 | 101 | 100 | 150 | 170 | 104 | 010 | | |
| m/ | 3,5 | 70 | 83 | 99 | 109 | 122 | 133 | 140 | 101 | 121 | 139 | 156 | 172 | 194 | 218 | _ | 1 |
| à K ed | 4 | 61 | 72 | 87 | 95 | 106 | 116 | 123 | 88 | 106 | 122 | 136 | 151 | 170 | 190 | itri/ha | OK |
| ocità Ki <i>speed</i> | 5 | 49 | 58 | 69 | 76 | 85 | 93 | 98 | 70 | 85 | 98 | 109 | 121 | 136 | 152 | _itri | 100 |
| Velocità Km/h <i>speed</i> | 6 7 | 41 35 | 48 41 | 58 50 | 63 54 | 71 61 | 78 67 | 82 70 | 59 50 | 71 61 | 81 70 | 91 78 | 101 86 | 113 97 | 127 109 | - | 20 |
| _ | 1 | 35 | 41 | 50 | 54 | 01 | 07 | 70 | 50 | 01 | 70 | 10 | 00 | 97 | 109 | | 30 m. |
| ~ | 2 5 | 50 | 60 | 02 | 01 | 101 | 444 | 117 | 01 | 101 | 116 | 120 | 144 | 160 | 101 | | |
| | 3,5 | 58 51 | 69 | 83 | 91 79 | 101 | 111 | 117 | 84 73 | 101 | 116 102 | 130 | 144 | 162 | 181 | _ | |
| à K Ped | 4 5 | 41 | 60 48 | 72 58 | | 89 71 | 97 78 | 102 82 | 73 59 | 88 71 | 10∠ 81 | 114 91 | 126 101 | 142 | 159 127 | itri/ha | UM |
| Velocità Km/h <i>speed</i> | | 34 | - | | 63 | | | | | | | | | 113 | 127 | Litri | 11111 |
| Vel | 6 7 | 34 29 | 40 34 | 48 41 | 53 45 | 59 51 | 65 55 | 68 58 | 49 42 | 59 50 | 68 58 | 76 65 | 84 72 | 94 81 | 91 | | 36 m. |
| | 1 | 29 | 34 | 41 | 45 | 51 | 55 | 50 | 42 | 50 | 50 | 05 | 12 | 01 | 91 | | 30 III. |

 Litri/min.
 12,2
 14,5
 17,4
 19,0
 21,3
 23,3
 24,6
 17,6
 21,2
 24,4
 27,3
 30,2
 34,0
 38,1
 Tab. 3215/0000F

 nota: portate minime indicative (getto regolabile avvitato) con getto svitato maggiorazioni fino al 60%
 60%

| Velocità Km/h speed | 3,5 4 5 6 7 | 5 105 92 73 61 | 7 124 109 87 | 10 149 130 | 30-03 12 163 143 | BLU 15 182 | 18 200 | 20 | 10 | | | cerar 25 | | | 50 | | Gittata spray distance |
|-----------------------------|-------------------------|-----------------------------------|-----------------------|-------------------------|---------------------------|------------------|------------------|------|------|------|------|-------------|------|------|------|----------|---------------------------|
| Km/h ď | 3,5 4 5 6 | 105 92 73 | 124 109 87 | 149 130 | 163 | 182 | | 20 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | spray distance |
| locità Km/h <i>speed</i> | 4 5 6 | 92 73 | 109 87 | 130 | | | 200 | | | | | | | | | | , , |
| locità Km/r <i>speed</i> | 4 5 6 | 92 73 | 109 87 | 130 | | | | 011 | 454 | 100 | 000 | 00.4 | 050 | 001 | 000 | - | [|
| locità K <i>speed</i> | 5 6 | 73 | 87 | | 143 | | | 211 | 151 | 182 | 209 | 234 | 259 | 291 | 326 | | |
| locit: | 6 | - | - | | | 160 | 175 | 184 | 132 | 159 | 183 | 205 | 226 | 255 | 286 | Litri/ha | 1 |
| 0 0 | | 61 | | 104 | 114 | 128 | 140 | 147 | 106 | 127 | 146 | 164 | 181 | 204 | 228 | .itri | $O \sim$ |
| /e | 7 | | 72 | 87 | 95 | 106 | 116 | 123 | 88 | 106 | 122 | 136 | 151 | 170 | 190 | | |
| - | • | 52 | 62 | 74 | 82 | 91 | 100 | 105 | 75 | 91 | 105 | 117 | 129 | 146 | 163 | | 15 m. |
| | | | | | | | | | | | | | | | | | |
| Km/h | 3,5 | 87 | 103 | 124 | 136 | 152 | 166 | 175 | 126 | 151 | 174 | 195 | 215 | 243 | 272 | | |
| a K | 4 | 77 | 91 | 109 | 119 | 133 | 146 | 154 | 110 | 133 | 153 | 171 | 189 | 213 | 238 | ha | R |
| Velocità Kl speed | 5 | 61 | 72 | 87 | 95 | 106 | 116 | 123 | 88 | 106 | 122 | 136 | 151 | 170 | 190 | Litri/ha | \Box |
| elo. S | 6 | 51 | 60 | 72 | 79 | 89 | 97 | 102 | 73 | 88 | 102 | 114 | 126 | 142 | 159 | | |
| > | 7 | 44 | 52 | 62 | 68 | 76 | 83 | 88 | 63 | 76 | 87 | 97 | 108 | 121 | 136 | | 18 m. |
| | | | | | | | | | | | | | | | | | |
| ų/ | 3,5 | 68 | 81 | 97 | 106 | 119 | 130 | 137 | 98 | 119 | 136 | 152 | 169 | 190 | 213 | | |
| Km/h | 4 | 60 | 71 | 85 | 93 | 104 | 114 | 120 | 86 | 104 | 119 | 133 | 148 | 166 | 186 | a | |
| ocità Kr <i>speed</i> | 5 | 48 | 57 | 68 | 75 | 83 | 91 | 96 | 69 | 83 | 95 | 107 | 118 | 133 | 149 | Litri/ha | H |
| Velocità <i>spee</i> | 6 | 40 | 47 | 57 | 62 | 69 | 76 | 80 | 57 | 69 | 80 | 89 | 98 | 111 | 124 | Ľ | \bigcirc |
| ž | 7 | 34 | 40 | 49 | 53 | 59 | 65 | 69 | 49 | 59 | 68 | 76 | 84 | 95 | 106 | | 23 m. |
| Lit | itri/min. | 9.2 | 10.9 | 13,0 | 14,3 | 16,0 | 17,5 | 18,4 | 13,2 | 15.9 | 18.3 | 20,5 | 22.6 | 25.5 | 28.6 | | Tab. 3215/0000F |

CALIBRATING TABLE for CANNONS

TABLES FOR CALIBRATING CANNONS Ø400 - 440 - 480

nota: portate minime indicative (getto regolabile avvitato) con getto svitato maggiorazioni fino al 60%

N.B. to calculate the different ranges it is sufficient to multiply the value lt/hectare by the corresponding width indicated in the table and divide it by the new width (see chapter 6.3, page 20).

| (19 | 50 H | | | eroga ng rate | | | | | | | | - | - | | | ata | unigreen spa |
|-------------------------------|------------|----------|--------|------------------|-------|-----|------|--------|-----|-----|-----|-------|-----|-----|-----|----------|----------------|
| | | .///а бр | leadin | - × | 30-03 | | mone | , DIOW | | | | cerar | | | 10 | | Gittata |
| PRE | SSIONE bar | 5 | 7 | 10 | 12 | 15 | 18 | 20 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | | spray distance |
| | | | | | | | | | | | | | | | | | |
| Velocità Km/h <i>speed</i> | 3,5 | 79 | 93 | 112 | 122 | 137 | 150 | 158 | 113 | 136 | 157 | 175 | 194 | 219 | 245 | | |
| locità Kr <i>speed</i> | 4 | 69 | 81 | 98 | 107 | 120 | 131 | 138 | 99 | 119 | 137 | 153 | 170 | 191 | 214 | .itri/ha | |
| ipe ipe | 5 | 55 | 65 | 78 | 86 | 96 | 105 | 111 | 79 | 95 | 110 | 123 | 136 | 153 | 171 | itri/ | $O \sim$ |
| /elc s | 6 | 46 | 54 | 65 | 71 | 80 | 87 | 92 | 66 | 80 | 92 | 102 | 113 | 128 | 143 | | <u> </u> |
| ~ | 7 | 39 | 47 | 56 | 61 | 68 | 75 | 79 | 57 | 68 | 78 | 88 | 97 | 109 | 122 | | 20 m. |
| | | | | | | | | | | | | | | | | | |
| Velocità Km/h <i>speed</i> | 3,5 | 52 | 62 | 74 | 82 | 91 | 100 | 105 | 75 | 91 | 105 | 117 | 129 | 146 | 163 | | |
| a r Z | 4 | 46 | 54 | 65 | 71 | 80 | 87 | 92 | 66 | 80 | 92 | 102 | 113 | 128 | 143 | ha | |
| ocità Ki speed | 5 | 37 | 43 | 52 | 57 | 64 | 70 | 74 | 53 | 64 | 73 | 82 | 90 | 102 | 114 | .itri/ha | \Box \sim |
| elo s | 6 | 31 | 36 | 43 | 48 | 53 | 58 | 61 | 44 | 53 | 61 | 68 | 75 | 85 | 95 | | |
| > | 7 | 26 | 31 | 37 | 41 | 46 | 50 | 53 | 38 | 45 | 52 | 58 | 65 | 73 | 82 | | 30 m. |
| | | | | | | | | | | | | | | | | | |
| ų/د | 3,5 | 44 | 52 | 62 | 68 | 76 | 83 | 88 | 63 | 76 | 87 | 97 | 108 | 121 | 136 | | |
| ă X | 4 | 38 | 45 | 54 | 60 | 67 | 73 | 77 | 55 | 66 | 76 | 85 | 94 | 106 | 119 | Ja | |
| Velocità Km/h <i>speed</i> | 5 | 31 | 36 | 43 | 48 | 53 | 58 | 61 | 44 | 53 | 61 | 68 | 75 | 85 | 95 | Litri/ha | \neg |
| elo. <i>St</i> | 6 | 26 | 30 | 36 | 40 | 44 | 49 | 51 | 37 | 44 | 51 | 57 | 63 | 71 | 79 | | \cup |
| > | 7 | 22 | 26 | 31 | 34 | 38 | 42 | 44 | 31 | 38 | 44 | 49 | 54 | 61 | 68 | | 36 m. |

 Litri/min.
 9,2
 10,9
 13,0
 14,3
 16,0
 17,5
 18,4
 13,2
 15,9
 18,3
 20,5
 22,6
 25,5
 28,6
 Tab. 3

 nota: portate minime indicative (getto regolabile avvitato) con getto svitato maggiorazioni fino al 60%

Tab. 3215/0000F

TABLE 1-3 TABLES OF DELIVERY OF NOZZLES FOR ATOMISERS

| TABLE OF DELIVERY MEDIUM AND HIGH V | | | LES FOR AT | OMISER | | | |
|--|-------------------------|------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Ø NOZZLE | | 0,8 | 1,0 | 1,2 | 1,5 | 1,8 | 2,0 |
| Ø SLINGER | | 1,0 | 1,0 | 1,2 | 1,5 | 1,8 | 1,8 |
| PRESSURE | 10 bar 15 bar | 1,14 | 1,88 2,15 | 2,53 3,10 | 3,85 4,75 | 6,44 7,85 | 7,00 8,60 |
| | 20 bar | 1,31 | 2,45 | 3,55 | 5,45 | 9,10 | 9,90 |
| | 25 bar | 1,43 | 2,72 | 3,95 | 6,06 | 10,20 | 11,10 |
| | 30 bar | 1,55 | 2,96 | 4,35 | 6,67 | 11,10 | 12,10 |
| | 40 bar | 1,74 | 3,37 | 5,00 | 7,75 | 12,80 | 14,00 |
| | 50 bar | 1,93 | 3,70 | 5,50 | 8,78 | 14,40 | 17,45 |
| TABLE. 1 | Code: | 3400/0400F | 3400/0401F | 3400/0402F | 3400/0403F | 3400/0404F | 3400/0405F |

| TABLE OF DEL | | | | MISER | | | | lsa | |
|--------------|--------|---------------|---------------|--------------|--------------|--------------|-----------------|-------------|-------------|
| NOZZLE TR80 | ISO | LILLAC 005 | OLIVE 0067 | ORANGE 01 | GREEN 015 | YELLOW 02 | DARK BLUE 03 | E RED 04 | BROWN 05 |
| PRESSURE | 5 bar | 0,25 | 0,35 | 0,51 | 0,76 | 1,03 | 1,53 | 2,04 | 2,55 |
| | 7 bar | 0,30 | 0,41 | 0,60 | 0,90 | 1,22 | 1,81 | 2,41 | 3,01 |
| | 10 bar | 0,36 | 0,49 | 0,72 | 1,07 | 1,45 | 2,17 | 2,88 | 3,60 |
| | 12 bar | 0,39 | 0,54 | 0,78 | 1,18 | 1,60 | 2,38 | 3,16 | 3,94 |
| | 15 bar | 0,44 | 0,60 | 0,88 | 1,31 | 1,79 | 2,66 | 3,53 | 4,41 |
| - | 18 bar | 0,48 | 0,66 | 0,96 | 1,44 | 1,96 | 2,91 | 3,87 | 4,82 |
| | 20 bar | 0,51 | 0,70 | 1,01 | 1,52 | 2,07 | 3,07 | 4,08 | 5,09 |
| TAB. 3 | Code: | 3400/0577F | 8400/0578F | 3400/0579F | 3400/0580F | 3400/0581F | 3400/0583F | 3400/0584F | 3400/0585F |

TABLE 4-5 TABLES OF DELIVERY OF NOZZLES FOR HAND LANCES

| TABLE C | OF DELIVE | ERY IN LITF | | - | CONICA Ø1,5 noz | - | ES FOR L | EVER LA | NCE |
|----------|-----------|--------------------|--------------|--------------|--------------------|--------------|--------------|--------------|--------------|
| DIAMETER | NOZZLE | | Ø 1,0 | Ø 1,2 | Ø 1,5 | Ø 1,75 | Ø 2,0 | Ø 2,2 | Ø 2,5 |
| PRESSURE | E (BAR) | JET | | 1 | CAP | ACITY (L | t / min) | | |
| | 5 | cone direct jet | 1,16 1,40 | 1,40 1,70 | 1,90 2,50 | 2,25 3,95 | 2,65 4,7 | 2,90 6,00 | 3,50 7,70 |
| | 8 | cone direct jet | 1,40 1,70 | 1,80 2,20 | 2,60 3,40 | 2,80 4,85 | 3,40 6,00 | 3,65 7,60 | 4,45 9,80 |
| | 10 | cone direct jet | 1,50 1,90 | 1,96 2,40 | 2,90 3,75 | 3,10 5,40 | 3,90 6,95 | 4,10 8,55 | 5,00 11,0 |
| T | 15 | cone direct jet | 1,88 2,30 | 2,40 3,00 | 3,40 4,50 | 3,80 6,65 | 4,50 8,30 | 5,00 10,4 | 6,10 13,4 |
| | 30 | cone direct jet | 2,60 3,20 | 3,40 4,20 | 4,80 6,40 | 5,40 9,40 | 6,30 11,7 | 7,10 14,7 | 8,70 19,1 |
| TABLE. 4 | 50 | cone direct jet | 3,40 4,10 | 4,40 5,40 | 6,20 8,30 | 6,80 11,8 | 8,10 15,1 | 9,20 19,1 | 11,2 24,6 |

| TABLE | TABLE OF DELIVERY IN LITRES / MIN. OF THE CONICAL NOZZLES FOR MITRA SPRAY GUN note: standard Ø2,5 nozzle | | | | | | | | | | | | | |
|----------|--|--------------------|--------------|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|--|--|
| DIAMETER | Ø 1,0 | Ø 1,2 | Ø 1,5 | Ø 1,8 | Ø 2,0 | Ø 2,3 | Ø 2,5 | Ø 3,0 | | | | | | |
| PRESSURE | E (BAR) | JET | | CAPACITY (Lt / min) | | | | | | | | | | |
| | 15 | cone direct jet | 2,45 2,50 | 3,60 3,80 | 4,60 5,10 | 5,90 7,30 | 6,90 8,80 | 8,10 10,8 | 9,20 13,0 | 11,5 18,4 | | | | |
| | 25 | cone direct jet | 3,00 3,10 | 4,25 4,60 | 5,70 6,50 | 7,20 9,30 | 8,10 11,7 | 10,2 14,1 | 11,4 16,4 | 14,4 24,1 | | | | |
| 1 | 35 | cone direct jet | 3,40 3,50 | 4,70 5,40 | 6,60 7,40 | 8,50 10,8 | 10,2 13,4 | 12,9 16,8 | 14,0 19,1 | 18,0 28,2 | | | | |
| 4 | 40 | cone direct jet | 3,55 3,65 | 5,20 5,90 | 6,90 7,80 | 9,20 11,7 | 10,9 14,3 | 13,7 17,9 | 14,5 21,0 | 18,8 30,1 | | | | |
| TABLE. 5 | 50 | cone direct jet | 4,00 4,10 | 5,60 6,30 | 7,70 8,60 | 10,5 12,7 | 12,5 15,8 | 14,9 19,7 | 16,4 23,0 | 20,9 33,0 | | | | |

| OPERATION | 8 h | 50 h | 300 h | END OF SEASON |
|--|-----|------|-------|------------------|
| Check the level and state of the oil | 0 | | | |
| Check the accumulator pressure | | 0 | | |
| Check the suction (hoses, pipes, unions) | | 0 | | |
| Check and clean the suction | 0 | | | |
| and delivery filters | | | | |
| Check the pump fixing feet | | 0 | | |
| and screws in general | | | | |
| Check the diaphragm and the oil | | | X (1) | X (2) |
| and change if necessary | | | | |
| Check the suction/delivery valves | | | X | X |
| Check the pump screws and bolts are tight | | | | X |
| Check and clean the nozzles and the non-drip diaphragm | 0 | | | |
| Check the wear of the nozzles | | | 0 | |
| Check the hydraulic oil level | | 0 | | |
| Check any failures or cracking of the welds, | | | | 0 |
| especially on herbicide booms | | - | | _ |
| Grease the articulated joints and the wheel hubs | | 0 | | |
| Check the tyre pressure | | 0 | | |

NOTE: 0 Operation to be carried out by the operator
X Operation to be carried out by a specialised technician or in an authorised workshop (1) First oil change
(2) Change at the same time a changing the diaphragm

| PROBLEMS | CAUSES | SOLUTIONS | | | | |
|---|--|--|--|--|--|--|
| he pump won't charge | Air suction | Check the suction system | | | | |
| the pump won't charge | | | | | | |
| | Adjustment valve closed (Command group isn't at zero pressure) | Position the lever correctly | | | | |
| | Valves and/or valve seats suction and delivery worn or dirty | Replace or clean (*) | | | | |
| The pump doesn't reach the set pressure | Valve and/or valve seat adjustment worn | Replace (*) | | | | |
| | Valves and/or valve seats suction and delivery worn or dirty | Replace or clean (*) | | | | |
| | Insufficient rpm | Bring speed up to correct rpm always in the field of 350 ÷ 550 rpm. | | | | |
| | The nozzles used are worn or have holes that are too big | Replace | | | | |
| | Suction blocked | Clean the cartridge of the filter or remove the blockage | | | | |
| Irregular pressure (with impulses) | Valves and/or valve seats suction and delivery worn or dirty | Replace or clean (*) | | | | |
| | Air suction | Check the suction system | | | | |
| Excessive vibrations at delivery or incorrect air pressure | Pressure accumulator discharged value (see pump handbook) (*) | Bring the air pressure back up to the right | | | | |
| Noisiness and the level of the oil has dropped | Blocked suction | Check the suction system | | | | |
| Water in the oil | Breakage of one or more diaphragms | Replace (*) If the replacement isn't done immediately, drain the water out of the pump and introduce clean oil | | | | |
| | without water (also used) or diesel to | | | | | |
| | | stop rust attacking the internalparts | | | | |
| No liquid comes out of the nozzles | Delivery filter dirty Non-drip filters dirty Nozzles blocked | Clean | | | | |

| 2004 | TYPE OF MACHINE | | | | | | | | | | | | |
|--------------------|------------------------|------------|-------------|--------------------|------|------|----------------------|------|------|----------------------|------|-------------|--|
| TABLE 14 b | | | EXPU | - AT BA | 45E | | | | | | | | |
| FITTING | | 65 AT 6 | 0 T BASE | 800 T AT 8 BASE | | A | 1100 T AT 10 BASE | | | 1600 T AT 16 BASE | | 0 T BASE | |
| | Nominal capacity (L.) | 600 | 600 | 800 | 800 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| FAN | " " Ø600 NYLON | Х | | | | | | | | | | | |
| GROUP | " " Ø700 NYLON | | Х | Х | | | | | | | | | |
| | " " Ø800 NYLON | | | | Х | Х | Х | | Х | | Х | | |
| | " " Ø800TV NYLON | | | | | | | Х | | Х | | Х | |
| PUMPS | " " APS 51 | | | | | | | | | | | | |
| COMET | " " APS 71 | Х | | | | | | | | | | | |
| 0011121 | " " APS 96 | X | Х | Х | Х | х | | | | | | | |
| | " " APS 121 | ~ | ~ | ~ | X | ~ | Х | Х | х | х | Х | Х | |
| | " " APS 145 | | | | ~ | | X | X | X | X | X | X | |
| PUMPS | " " AR 813 | Х | | Х | | | | | | | | | |
| ANNOVI | " " AR 1064 | X | Х | X | Х | х | Х | Х | х | Х | Х | Х | |
| REVERBERI | " " AR 1265 | | | | | ,,, | X | X | X | X | X | X | |
| | " " BHA 140 | | | | | | | | | | | | |
| PRESSURE | GCP 3-WAY | Х | | | | | | | | | | | |
| REGULATOR | " RVA 2-WAY | Х | Х | Х | Х | Х | Х | Х | х | Х | Х | Х | |
| | " RM 40 S | Х | | | | | | | | | | | |
| JETS | SINGLE NON-DRIP | Х | Х | Х | Х | Х | Х | Х | х | Х | Х | Х | |
| | DOUBLE NON-DRIP | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| NOZZLES | CERAM. CONICAL Ø 18 | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | CERAM. CONICAL ISO | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | ALBUZ CERAM. ATR | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| DRAWBAR | WITH TOWING EYE | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | WITH FORK | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | STEERING | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| OPTIONALS | TOP DEF. | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | EJECTOR | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | DELIVERY FILTERS | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | LEAF PROTECTION | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | SINGLE SIDE FOR OLIVES | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| TOTAL MASS | EMPTY MAX FITINGS | 340 | 340 | 450 | 450 | 470 | 470 | 470 | 600 | 600 | 660 | 660 | |
| in Kg | FULL MAX FITINGS | 1070 | 1070 | 1400 | 1400 | 1680 | 1680 | 1680 | 2410 | 2410 | 2990 | 2990 | |
| Mass on the towing | | | | | | | | | | | | | |
| eye | FULL MAX FITINGS | 220 | 220 | 300 | 300 | 350 | 350 | 350 | 510 | 510 | 560 | 560 | |
| P HP | POWER NECESSARY | 30 | 37 | 37 | 40 | 40 | 45 | 50 | 57 | 62 | 57 | 62 | |

| 2004 | | | | ISERS P | LT | | | | | | | | | | |
|------------------------------|-------------------------|-----------------------------|----------|-----------|------|-----------|------|-----------|------|------|-----------|------|------|------|--|
| | TYPE OF | Polyeth | ylene Ta | ınk | | | | | | | | | | | |
| | MACHINE | LASER - FUTURA - AT STD/TOP | | | | | | | | | | | | | |
| TABLE 15 b | | | | | | | | | | | | | | | |
| | | P | - | P AT O | - | P11 | | | P16 | | | P20 | | | |
| FITTING | | AI 6 | STD | AI8 | STD | AT 11 STD | | AT 16 STD | | | AT 20 STD | | | | |
| | Capacità nominale (It.) | 600 | 600 | 800 | 800 | 1000 | 1000 | 1000 | 1500 | 1500 | 1500 | 2000 | 2000 | 2000 | |
| FAN | FAN Ø600 NY. | Х | | | | | | | | | | | | | |
| GROUP | " " Ø600 ALU. | Х | | | | | | | | | | | | | |
| | " " Ø700 NYLON | | Х | Х | | | | | | | | | | | |
| | " " Ø700 ALL+ CLUTCH | | Х | Х | | | | | | | | | | | |
| | " " Ø800 NYLON | | | | Х | Х | | | Х | | | Х | | | |
| | " " Ø800 ALL + CLUTCH | | | | Х | Х | | | Х | | | | | | |
| | " " Ø900 NY + CLUTCH | | | | | | | | | Х | | | Х | | |
| | " " Ø900 ALL + CLUTCH | | | | | | | | | Х | | | Х | | |
| | " " Ø650 NY TGZ | | Х | Х | | | Х | | | | | | | | |
| | " " Ø800 NY TGZ | | | | Х | | | Х | | | Х | | | Х | |
| PUMPS | " " APS 71 | Х | Х | Х | | | | | | | | | | | |
| COMET | " " APS 96 | Х | Х | Х | Х | Х | Х | | | | | | | | |
| | " " APS121 | | | | Х | Х | Х | Х | Х | | Х | Х | | Х | |
| | " " APS145 | | | | | Х | Х | Х | Х | | Х | Х | | Х | |
| | " " APS141 | | | | | Х | | | Х | Х | | Х | Х | | |
| | " " IDS 1000 | | | | | Х | | | Х | Х | | Х | Х | | |
| | " " IDS 1401 | | | | | | | | | | X | | Х | X | |
| PUMPS | " " AR 813 | Х | Х | Х | | | | | | | | | | | |
| ANNOVI REVERBERI | " " AR 1064 | Х | Х | Х | Х | | | | | | | | | | |
| | " " AR1265 | | | | Х | Х | Х | Х | | | Х | | | Х | |
| | " " BHA 140 | | | | | Х | | | Х | | | Х | Х | | |
| | " " BHA 160 | | | | | | | | Х | Х | | Х | Х | | |
| PISTON | PUMP T77 | Х | | Х | Х | | | | | | | | | | |
| PUMPS | " " T144 | | | | | | | | Х | | | Х | | | |
| PRESSURE | GCP RVA | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| REGULATOR | GRH Comet | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| - | GCP ELECTRIC | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| JETS | SINGLE NON-DRIP | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | DOUBLE NON-DRIP | X | Х | Х | Х | Х | X | X | Х | X | X | X | X | X | |
| NOZZLES | CERAM. CONICAL Ø 18 | Х | X | Х | Х | Х | Х | Х | X | X | X | Х | X | Х | |
| | CERAM. CONICAL ISO | X | X | X | X | Х | X | X | X | X | X | X | X | X | |
| | ALBUZ CERAM. ATR | X | X | X | X | Х | X | X | X | X | X | X | X | X | |
| DRAWBAR | | X | X | X | Х | X | X | X | X | X | X | X | X | X | |
| | WITH FORK | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| | STEERING | X | X | X | X | X | Х | X | X | X | X | X | X | X | |
| OPTIONALS | DEF. TOP | X | X | X | X | X | | X | X | X | X | X | X | X | |
| | TOP DEF. + 2 jets | X | X | X | X | X | | X | X | X | X | X | X | X | |
| | | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| | | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| | LIGHTS KIT | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | |
| | ROAD TRAFF. HOMOLOG. | V | v | v | v | v | v | v | v | v | V | | v | v | |
| | | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| | | X | X | X | X | X | Х | Х | X | X | Х | X | X | Х | |
| TOTAL MASS | SINGLE SIDE FOR OLIVES | X | X | X | X | X 470 | 450 | 470 | X | X | 500 | X | X | 650 | |
| | EMPTY MAX FITINGS | 340 | 360 | 450 | 450 | 470 | 450 | 470 | 600 | 610 | 590 | 660 | 670 | 650 | |
| in Kg Maaa on the touring | FULL MAX FITINGS | 1070 | 1090 | 1400 | 1400 | 1680 | 1660 | 1680 | 2410 | 2430 | 2410 | 2990 | 3000 | 2980 | |
| Mass on the towing | FULL MAX FITINGS | | | | | | | | | | | | | | |
| eye | | 220 | 220 | 300 | 300 | 350 | 350 | 350 | 510 | 510 | 510 | 560 | 560 | 560 | |
| P HP | POWER NECESSARY | 31 | 37 | 37 | 40 | 53 | 40 | 48 | 62 | 72 | 57 | 62 | 72 | 62 | |

| | | | -) - ·) · | | | | | | | | | |
|------------------------|-----------------------|--------------|-------------|--------|--------------|------|-----------|------|------|--|--|--|
| | | | | | | | | | | | | |
| P6 ATC6 | | P11 ATC11 | | | P16 ATC16 | | 20 C20 | | | | | |
| FITTING | | /1100 | | ///011 | | | 010 | | 020 | | | |
| | Nominal capacity (L.) | 600 | 1000 | 1000 | 1000 | 1500 | 1500 | 2000 | 2000 | | | |
| FAN | CENTRIFUGAL Ø450/27 | Х | | | | | | | | | | |
| GROUP | " " Ø400 /38 | | Х | | | | | | | | | |
| | " " Ø440 /78 | | | Х | | Х | | Х | | | | |
| | " " Ø480 /98 | | | | Х | | Х | | Х | | | |
| PUMPS | " " APS 51 | Х | | | | | | | | | | |
| COMET | " " APS 71 | Х | | | | | | | | | | |
| | " " APS 96 | | Х | | | | | | | | | |
| | " " APS121 | | | Х | Х | Х | Х | Х | Х | | | |
| | " " APS145 | | | Х | Х | Х | Х | Х | Х | | | |
| PUMPS | " " AR 813 | Х | | | | | | | | | | |
| ANNOVI | " " AR 1064 | | Х | | | | | | | | | |
| REVERBERI | " " AR 1265 | | Х | Х | Х | Х | Х | Х | Х | | | |
| | " " BHA 160 | | | Х | Х | Х | Х | Х | Х | | | |
| PRESSURE | RVA | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| REGULATOR | GRH Comet | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | GCP ELECTRIC | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | DOUBLE Ø18 CANNON | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| JETS | P 39 | Х | | | | | | | | | | |
| | SINGLE Ø18 | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | MFC TYRE | Х | | | | | | | | | | |
| NOZZLES | CERAMIC CONICAL | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| DRAWBAR | WITH TOWING EYE | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | WITH FORK | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | STEERING | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| OPTIONALS | MUDGUARD | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | BRAKE KIT | Х | Х | Х | Х | Х | Х | Х | Х | | | |
| | LIGHTS KIT | Х | Х | Х | Х | Х | X | Х | Х | | | |
| | ROAD TRAFF. HOMOLOG. | | | | | | | | | | | |
| | HYD.ROTAT. 30° | Х | Х | Х | Х | Х | X | Х | Х | | | |
| | HYDRAULIC ROTAT 180° | | Х | Х | Х | Х | Х | Х | Х | | | |
| | SWIVEL HEAD | | Х | Х | Х | Х | Х | Х | Х | | | |
| | ROTATING HEAD | | Х | Х | Х | Х | Х | Х | Х | | | |
| TOTAL MASS | EMPTY MAX FITINGS | 360 | 530 | 530 | 530 | 670 | 670 | 700 | 700 | | | |
| in Kg | FULL MAX FITINGS | 1090 | 1740 | 1740 | 1740 | 2480 | 2480 | 3030 | 3030 | | | |
| Mass on the towing eye | | 220 | 350 | 350 | 350 | 510 | 510 | 560 | 560 | | | |
| P HP | POWER NECESSARY | 34 | 50 | 76 | 90 | 76 | 90 | 76 | 90 | | | |











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