

Original notice
User's manual

RGU2671.G

DIESEL



This product complies with the provisions of the European Directive in accordance with Directive 2006/42/EU on the merge of the laws of the Member States relating to machinery and the work rights.

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1. INTRODUCTION

Read this manual thoroughly because it contains all the necessary information for model identification, installation, use and maintenance of this product under conditions that meet safety standards. Failure to do so may result in personal injury or property damage.

Keep this manual within reach of the product as it is an integral part of it. In case of resale, this manual must be sent to the buyer.

This manual is considered read and should be made available to the personnel who use the product.

Keep the serial number in this manual to ensure product traceability in case of failure, spare parts request, resale or even theft. Note this number on a separate sheet that is kept in a safe place.

Proper maintenance, constant care and control are essential for proper operation, optimum performance and durability of the product. For this reason, it is important to note regularly all the work and the various maintenance done on the product and to respect all that is presented in this manual.

All information, illustrations and specifications in this manual are based on the latest data available on the date of publication. We reserve the right to modify this manual at any time without prior notice.

This manual and its contents are the property of © **Fasep 2000**, it is forbidden to copy or reproduce it in any form whatsoever, in whole or in part without our prior written consent.

Serial number:



1.1. Area of use

This product is designed for professional use only which requires its use. Any other use is contrary to the "normal" use of this product. The manufacturer declines all liability for material damage or personal injury resulting from non-normal use, the risks being the responsibility of the user. "Normal" use implies compliance with the rules written in this manual.

This product must be used, maintained and repaired by qualified persons trained on this type of product. Always observe the accident prevention regulations and the general regulations on safety and health at work. The manufacturer declines all responsibility in case of material damage or personal injury resulting from a modification of the product without our agreement.

1.2. Guarantee

The product is delivered ready to use after satisfying technical tests. It is guaranteed for 12 months from the delivery date. The guarantee is only applied if the administrative conditions and the recommendations of installation, safety, use and maintenance contained in this manual are respected.

The manufacturer, through this guarantee, undertakes to freely substitute the parts deemed to be defective after a factory inspection according to our conditions.

The guarantee is limited to construction defects only. It excludes all liability for material damage or personal injury. It will cease if the device has been damaged, altered or disassembled.

No return is permitted without prior authorization. Any costs incurred as a result of a call for which the manufacturer is not responsible shall be borne by the customer.

1.3. Guarantee conditions

The guarantee does not cover:

- Damage due to natural or exceptional disasters.
- Accidental damage to third parties.
- Damage caused by frost.
- Damage resulting from the use of additional accessories not original or not recommended.
- Normal wear and tear of components.
- In any case, the damage resulting from an installation, operation, use or abnormal maintenance of the device, in any situation whatsoever.

The guarantee will lapse and no recourse will be possible, in case of:

- Non-compliance with the installation rules of the device and specifically:
 - IN CASE OF IMPACT DUE TO INCORRECT HANDLING.
- Failure to comply with the recommendations and warnings indicated in this manual and specifically:
 - IF CHANGES TO THE SAFETY BODIES.
 - IN CASE OF USE GREATER THAN THE RECOMMENDED CAPACITY OF THE DEVICE.
 - IN CASE OF MAINTENANCE FAILURES.
- Repairs or manipulations done by unauthorized third parties on the bodies or operations listed in this manual.

The guarantee does not cover:

- The cleaning of the device and its operating components.
- The routine maintenance related to normal wear and tear of the appliance.

In case of any guarantee claim or for any intervention under guarantee, it will be requested in advance: the proof of purchase and the serial number of the device. These elements attest to the fact that the device is covered by the contractual period.

The finding of a damage under guarantee does not systematically entail the replacement of the device nor the extension of its guarantee, which is left to the discretion of © **Fasep 2000**.

In case of refusal of guarantee, the decision will be motivated and explicitly supported by a report done by a professional: the repairs will then be the subject of an estimate.

For any objection to this refusal decision, the owner of the compressor may, at his own expense, done a second opinion.

2. SECURITY

2.1. Safety instructions

- Read this manual carefully.
- Do not use the device without prior training.
- Keep the device out of the reach of children.
- Never disassemble or modify the device in any form, in particular safety systems.
- Do not operate the device beyond its limits.
- Always have your device repaired by our or authorized technicians.
- Never use or intervene on the device in case of excessive fatigue or under the influence of drugs, narcotics or any other substance reducing alertness.
- Always keep the device and its area of use clean and free of greasy or slippery substances.
- Never pour liquid directly onto hot surfaces or electrical parts.
- Never cover the ventilation areas of the device.
- Never use a battery other than the recommended one.
- Do not breathe generated air or exhaust gases. Make sure that the exhaust hose is properly installed.
- Never swallow the liquids used on this device.
- During use:
 - o Wear fitting body clothing, safety shoes, protective gloves and noise protection. Avoid wearing jewelry.
 - o Always open the side door and rear doors of the van.
 - o Never open the compressor panels.
 - o In case of an emergency or suspected or detected malfunction, immediately press the emergency stop button.
 - o Do not open filler or drain caps.
- After use, wait until the device has cooled completely and empty the air under pressure.
- For maintenance:
 - o Press the emergency stop button.
 - o Check that the device is switched off.
 - o Wear protective gloves and goggles.
 - o Use only suitable equipment.
 - o Use only original spare parts.
 - o Do not use corrosive, flammable or volatile products for cleaning.

2.2. Security devices

- **Magneto-thermal switch for protecting the pump motor:** located inside the power station, it intervenes in case of a motor overheat, avoiding its deterioration.
- **Maximum pressure valve:** rated at 180 BAR plus or minus 5%, it limits the maximum pressure on the oil-hydraulic circuit ensuring the correct operation of the installation.
- **Piloted check valve with double sealing:** it avoids the fall of the mandrel in the event of breakage of the oil-hydraulic circuit.
- **Check valve on the mandrel opening line:** located inside the rotating connector, it avoids a possible fall of the wheel due to accidental breakages of the oil-hydraulic circuit.
- **Emergency stop.**
- **Gasoline supply cut-off.**

2.3. Warnings

HOT SURFACE



Never touch hot areas during and immediately after operation. Wait a few minutes for the complete cooling.

MOVING PARTS



Do not insert any part of the body or object into moving parts.
Always ensure that the guard and panels are present and secured.

RISK RELATED TO PRESSURIZED FLUIDS



Always check that the connections are tight and that the hoses are properly connected.

After use and complete cooling of the compressor, empty the air under pressure.

RISK OF ELECTRIC SHOCK



Never open the electrical cabinet door or the motor housing.

Never use the device with wet hands or feet.

Never touch electrical parts.

AUTOMATIC START-UP



Never intervene on the device without completely stopping it.

RISK OF CRUSHING



Several different stickers signal a risk of crushing.

Move as far as possible from areas where there is a risk of crushing.
Verify that no living being or object can be crushed.
Always wear safety shoes and protective gloves.

3. CHARACTERISTICS

The **TB126L** is designed to the assembly and disassembly of tubeless tires for heavy trucks, buses, civil engineering, agrarian, etc.

It is designed and manufactured to operate inside vans. All commercial vehicles used for commercial transport (eg: MASTER, BOXER, CRAFTER, SPRINTER, DAILY, etc.) with an appropriate transport capacity and dimensions.

Any other use of the device and/or any attempt to apply it to other types of wheels is not permitted and is abusive and will therefore be considered illegitimate.

Maximum mass according to version: 779 kg

Maximum dimensions according to version (L x l x h): 1750 x 1150 x 1700 mm

Sound level at 1 meter: 85 dB (A)

Lombardini gasoline engine with liquid cooling: 14 kW / 2500 rpm

K30HUPP compression block: 5.5 kW / 900 rpm

Generator:

2.6 kVA single phase: 3050 rpm / 230 V single phase / 50 Hz

Or 6 kVA single phase: 3050 rpm / 230 V single phase / 50 Hz

Or 7 kVA three-phases: 3050 rpm / 230 V single phase / 380 V three-phases / 50 Hz

Rim diameter: from 14 to 26"

Maximum wheel weight: 700 kg

Maximum wheel width: 600 mm

Maximum wheel diameter: 1300 mm

Air flow rate: 45 m³/h

Nominal pressure: 12 BAR

Air tank capacity: 120 liters

Gasoline tank capacity: 23 liters

Safety valve: 15 BAR

Height of van loading plane: 400 – 700 mm

Minimum van door width: 1200 mm

Minimum van door height: 1750 mm

Minimum van interior width: 1750 mm

Minimum van interior height: 1750 mm

4. RECEPTION

Despite all checks done before delivery, there is always the possibility that some anomalies occur during transport. For this reason, before commissioning, the product must be inspected for damage.

In addition, it must be observed during the first hours of operation to detect any anomalies.

Do not use your product in case of damage or malfunction detected, please contact your dealer.

Handling

The device is supplied in a wooden box with pallet and must be moved with a forklift truck.

Unpacking

1. Remove the packaging.
2. Ensure the integrity of the device and check for damage.
3. Do not leave the items of the package within the reach of children.

Keep the packaging during the contractual period of guarantee or for any possible shipment. However, the various parts of the packaging must be recycled in accordance with the legislation in force.

5. INSTALLATION

5.1. Positioning

The place of installation must be chosen in accordance with the applicable safety standards.

The installation is provided on vans whose dimensions are within the application limits which make the device usable, as indicated in the technical characteristics and explained in the following paragraphs.

The floor of the van must not be disjoint, its surface must be regular and equipped with a wooden protection.

The working conditions must comply with the following parameters:

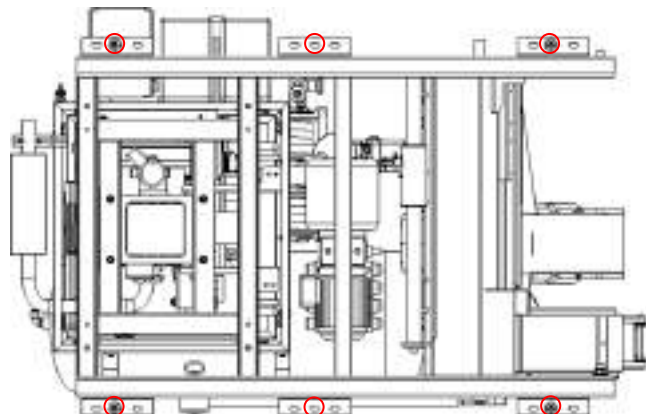
- Ambient temperature between 0°C and 55°C.
- Relative humidity from 30% to 95%.
- Absence of potentially explosive sources (eg: gas tanks, chemical deposits, etc.).
- Sufficient ventilation.
- Good overall cleanliness.

WARNING

Never place the battery or fuel tank within 30 cm of the exhaust pipe or any heat source.

5.2. Fixation

The device must be attached to the van floor. It is advisable to contact us to avoid possible damage to the mechanical / electrical / hydraulic parts under the floor. The standard fixing points are shown in the sketches below.



1. Check that the load capacity of the van is sufficient for the device weight.
2. It is advisable to use the supplied backplates for fixing to the floor (eg: a plate with a thickness of 5 mm or more). It is necessary to fix the device to the 6 fixing points.
3. Use M10 anchor screws and check that the floor has sufficient strength.

5.3. Ventilation

Ventilation must be installed in the van and must have adequate opening to ensure evacuation of heat. It must have a flow rate of 15 to 20% greater than the amount of air required for the overall cooling of all installed components.

For a good ventilation of the system in a van, it is necessary to provide two ventilation grids:

- **Air intake:** 400 x 400 mm located at the height and in the axis of the air intake of the compressor on the flywheel side of the compressor block
- **Air extraction:** 2 solutions depending on use:
 - o 400 mm x 300 mm being in the high position of the same side and in the axis of the preceding one
 - o To ensure optimum performance and performance, forced ventilation (eg: fan motor) must be installed on the roof of the truck to extract heat if it is used for more than 30°C outside.

5.4. Exhaust

In order to extract all the exhaust gases in a truck, an exhaust hose must be installed.

The exhaust hose and exhaust pipe delivered with the device must be used. This hose must take the shortest way to get out of the truck. To do this, it is obligatory to drill a hole on the floor of the truck in order to cross with this hose through the pipe.

DANGER

Ensure that the exhaust hose is not directed towards flammable materials. Remove covers such as crates, containers, etc. Because the compressor inevitably suffers damage during service. In addition, the risk of fire is very high.

5.5. Electrical connection

WARNING

Generators deliver electrical current when used.

Comply with current legislation and the installation and operating instructions in this manual.

Never connect the generator directly to other power sources.

For all connections, use a flexible, resistant, rubber-sheathed cable conforming to IEC 60245-4 or equivalent cables and ensure that they are kept in perfect condition.

Connect Class 1 equipment to the generator using a PE cable (green/yellow); this protective conductor is not required for Class 2 equipment.

Use only one Class 1 electrical device per electrical outlet.

Depending on the conditions of use (A, B or C), the following protective measures must also be observed:

A - If the generator is not equipped with an integrated differential protection device (standard version with neutral isolated from the grounding terminal):

- Use a device calibrated to 30 mA from each electrical outlet of the generator (place each device within 1 m of the generator, protecting it from the weather).
- In the case of occasional use of one or more portable devices, grounding of the generator is not necessary.

B - If the generator is equipped with an integrated differential protection device (version with neutral connected to the ground terminal)

- In case of supplying a temporary or semi permanent installation, connect the generator to earth *

C - Mobile applications (eg a generator installed in a moving vehicle)

The generators are designed to operate in a stationary manner. They can not be installed on a vehicle or other mobile equipment without a study taking into account the different installation and use specificities. Any use in motion is to be avoided. If grounding is not possible, connect the grounding terminal of the generator to the ground of the vehicle.

** To connect the generator to ground: attach a 10 mm² copper wire to the generator grounding terminal and a 1 meter galvanized steel ground stake in the ground.*

Only connect suitable electrical receivers to the generator and whose total power does not exceed the rated power of the generator. The electrical data of the receivers, such as voltage and frequency, must correspond to those of the generator. If the receiver information is missing, please ask the manufacturer. Electrical installations of existing buildings are not permitted.

Never touch exposed cables or disconnected connections.

Never expose the equipment to liquid splashes or weather conditions or place it on wet ground.

If there is any doubt about the installation, call us.

Choice of connection cables

Observe the sections and lengths recommended in this table when installing the system or when using extension cords.

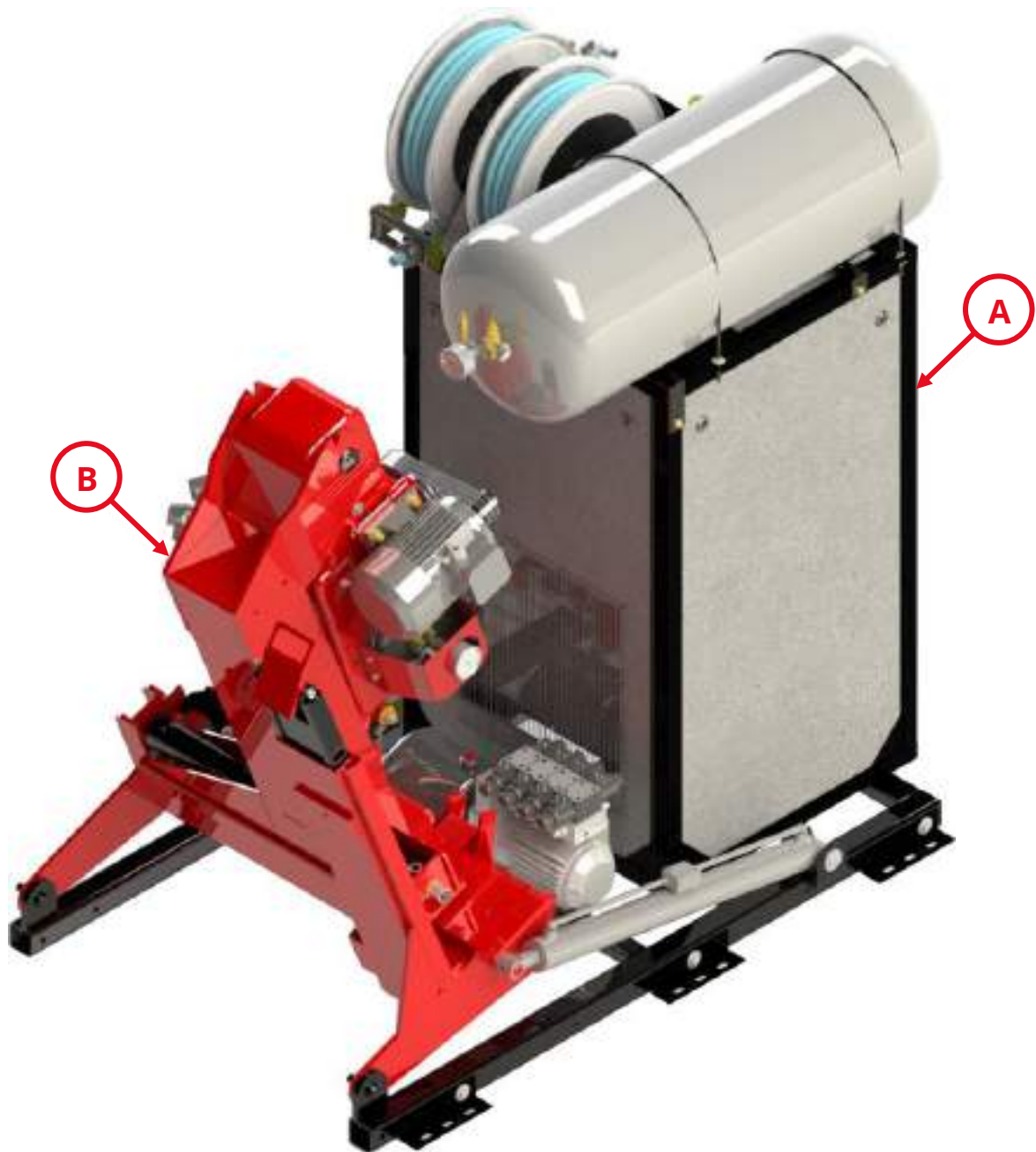
SECTION CONSEILLÉE DE CÂBLE											
		Single-phase						Three-phase			
Current intensity		10 A		16 A		32 A		10 A		16 A	
Units		mm ²	AWG	mm ²	AWG	mm ²	AWG	mm ²	AWG	mm ²	AWG
Cable length used:	1 to 50 m	4	10	6	9	10	7	1,5	14	2,5	12
	51 to 100 m	10	7	10	7	25	3	2,5	12	4	10
	101 to 150 m*	10	7	16	5	35	2	4	10	6	9

* This cable length is the maximum length allowed, it must not be exceeded.

Installation method: cables on cable tray or non perforated tablet / permissible voltage drop: 5% / multiconductor / cable type: PVC 70°C (example: H07RNF) / ambient temperature: 30°C.

6. IDENTIFICATION

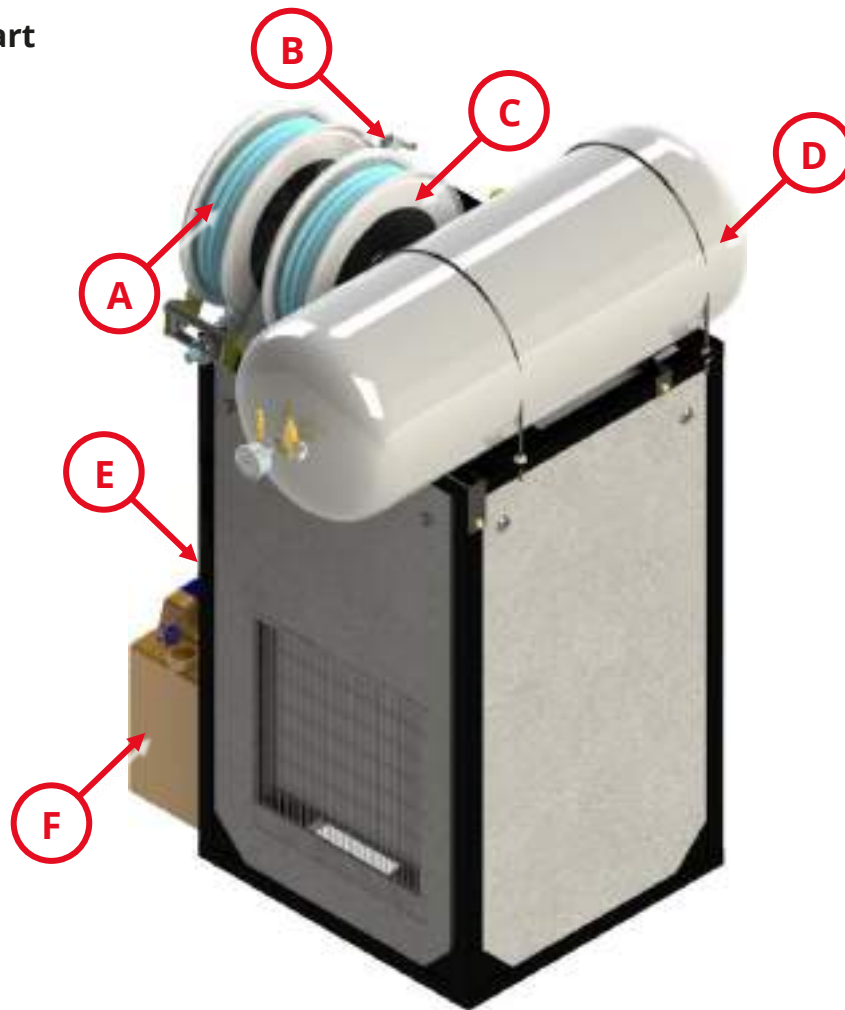
Global identification



A: "BOX" part

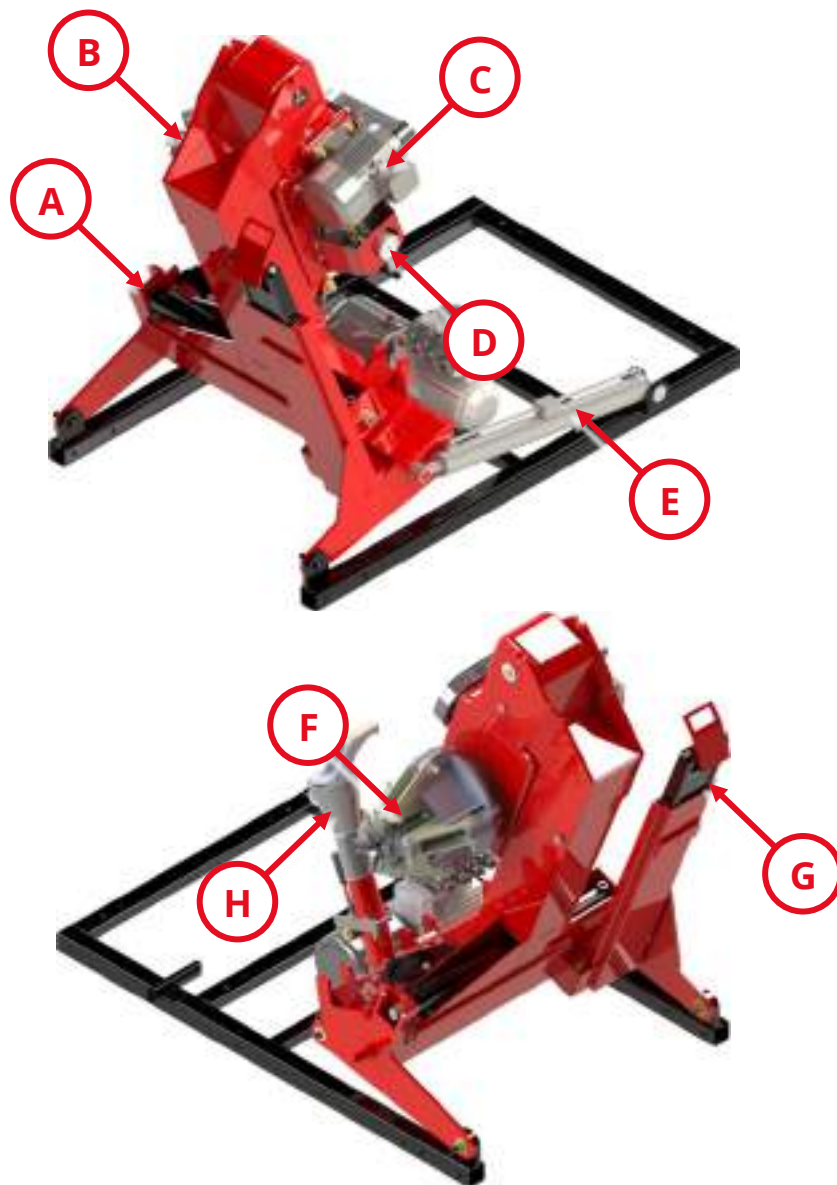
B: "TB" part

"BOX" part



- A:** "HGV" reel
- B:** Filter regulator lubricator "FRL" (hidden)
- C:** "LV" reel
- D:** Air tank
- E:** Battery (hidden)
- F:** Gasoline jerrycan

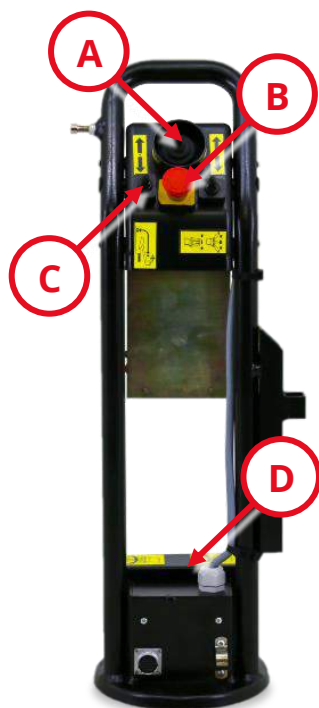
"TB" part



- A:** Trolley translation cylinder
- B:** Mandrel holder
- C:** Electric engine
- D:** Oil pressure gauge
- E:** Folding/unfolding cylinder
- F:** Hydraulic mandrel
- G:** Stand
- H:** Tools holder

Mobile control console

The mobile control console allows to choose the most suitable working position.



A: Manipulator wheel assembly/disassembly

B: Emergency stop button

C: Manipulator for device handling and wheel locking/unlocking

D: Clockwise/counterclockwise wheel rotation pedal

Manipulator A

Up to lift the mandrel holder.

Down to lower the mandrel holder.

To the left moves the mandrel holder to the left.

To the right moves the mandrel holder to the right.

Manipulator C

Up to enter the device inside the van.

Down to take the device out of the van.

To the left to open the mandrel for locking the wheel.

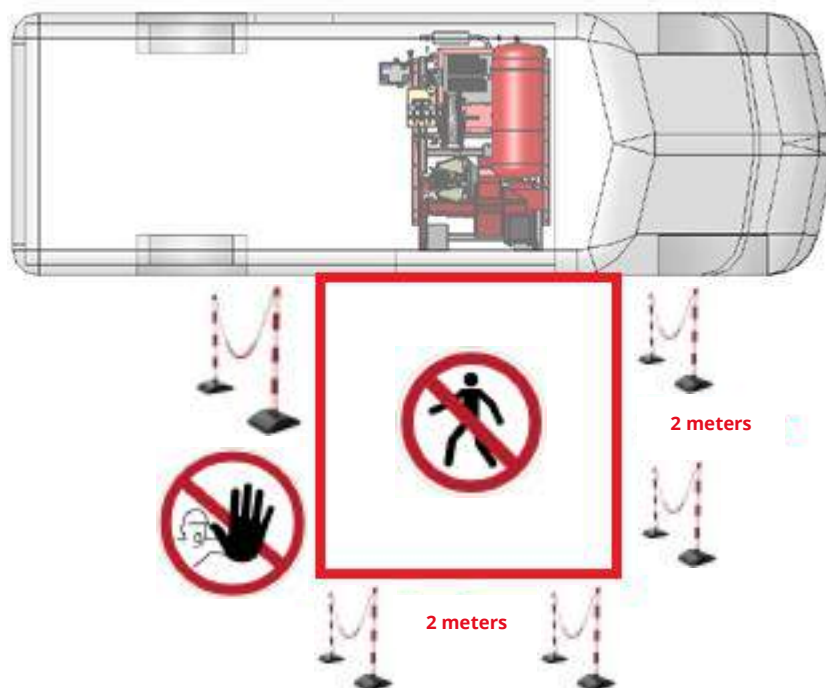
To the right to close the mandrel for unlocking the wheel.

7. OPERATIONAL AREA

WARNING

The operational area, adjacent to the door side of the vehicle (or in the area where the work is intended to be done), shall be delimited with appropriate signs for the prevention of accidents.

Access or crossing of the zone is prohibited during all operations, from unloading until the complete closing of the equipment in the van.



8. OPERATING CONTROL

WARNING

Before use, check all levels, correct tightening, correct tension, correct fastening, correct connection of all parts of the device. Also check the operation of the emergency stop button.

1. Start the device by following steps 1 to 8 of "9.1. Starting and unfolding" (page 23).
2. Move the **manipulator C** downwards and pull out the device until the mandrel holder is parallel to the ground.
3. Loosen the handle of the stand and pull out the stand approximately 20 cm, then tighten the handle.
4. Actuate the **manipulator C** downwards until the device is fully lowered. Make sure that the stand touches the floor and that the other parts do not touch the floor (minimum space of 4 cm between the floor and the mandrel holder). The stand must be slightly supported (the van must not be lifted). If this is not the case, repeat step 3 of this procedure by increasing the output of the stand.
5. Press the **manipulator A** downwards to lower the mandrel holder and upwards to raise it.
6. Move **manipulator A** to the left to move the mandrel holder to the left and right to move it to the right.
7. Press the **manipulator C** to the left to open the mandrel and to the right to close it.
8. Press the left pedal and the right to check the correct rotation of the mandrel.
9. Press the **manipulator A** downwards to fully open the mandrel holder. Continue to operate the **manipulator A** downwards and check that the pressure of the manometer is between 130 and 180 BAR plus or minus 5%.

WARNING

If the value is not the one indicated, do not use the appliance and call us.

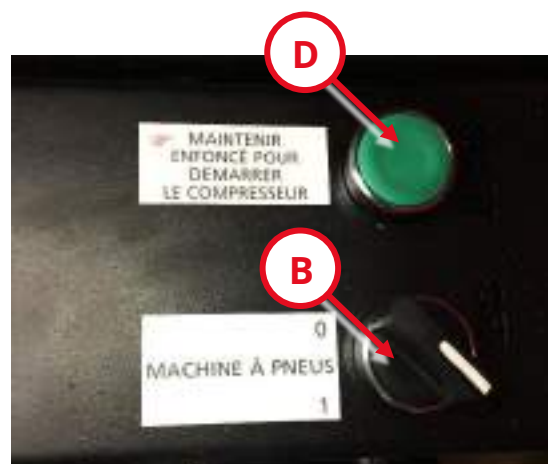
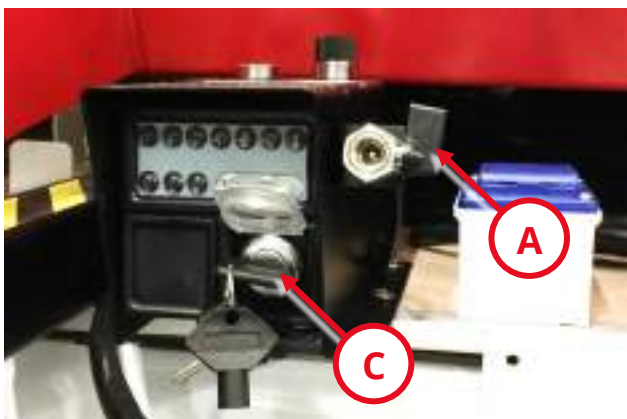
9. USE

WARNING

Before use, check all levels, correct tightening, correct tension, correct fastening, correct connection of all parts of the device. Also check the operation of the emergency stop button.

9.1. Starting and unfolding

1. Determine the operational area.
2. Unhook the control console attached to the mandrel holder.
3. Open the air purge valve **A**.
4. Switch the pneumatic tire contactor **B** to "0".
5. Turn the ignition key **C** one step to the right.
6. Observe the preheating (orange light). While holding the green button **D** on the tire machine, turn the ignition key until the engine starts (green light).
7. Close the air purge valve.
8. Turn the pneumatic tire contactor to "1".
9. Pull out the device until the mandrel holder is parallel to the ground.
10. Loosen the handle of the stand and pull out the stand approximately 20 cm, then tighten the handle.
11. Pull out the device completely. Make sure that the stand touches the floor and that the other parts do not touch the floor (minimum space of 4 cm between the floor and the mandrel holder). The stand must be slightly supported (the van must not be lifted). If this is not the case, repeat step 10 of this procedure by increasing the output of the stand.



9.2. Tire disassembling

1. Put the tools holder vertically.
2. Move the mandrel holder to the right and then down to align it in front of the wheel to make it easier to position the wheel.
3. Position the wheel with the hollow base opposed to the mandrel.
4. Open the mandrel and make sure the wheel is locked.
5. Lower the tools holder.
6. Carefully lubricate the tire to protect it from damage and facilitate operations.
7. Bring the rim into contact with the roller of the tools holder.
8. Perform the relief counterclockwise by pressing the left pedal.

WARNING

Always relieve counterclockwise

9. Move the tools holder to the other side of the wheel.
10. Repeat operation for the other side of the wheel.

WARNING

Grease the heel of the rim generously.

11. Move the tools holder to the other side of the wheel.
12. Attach the spout to the tools holder.
13. Catch the tire rod with the spout approximately 5 mm from the rim.
14. Slide the tire lifter lever over the spout into the space created.
15. Turn clockwise until first heel is removed.
16. Remove the spout.
17. Place the tools holder on the other side of the wheel.
18. Move the mandrel holder to the left to push and release the second heel with the roller.
19. Turn counterclockwise until complete retraction.

9.3. Tire assembling

1. Grease the heels.
2. Place the tools holder vertically.
3. Lower the rim to the maximum.
4. Position the heels on the rim and raise the mandrel holder.
5. Stuck the heels.
6. Lower the tools holder to the left of the wheel.
7. Rotate once to position the heel on the chuck side with the roller.
8. Attach the spout to the tools holder.
9. Move the mandrel holder to take the tools holder side heel with the spout.
10. Position a locking shackle or clamp or lever on the rim above the spout.
11. Turn clockwise.
12. Make sure that the tire is put into the hollow base.
13. Rotate to heeling.
14. Lower the mandrel holder.
15. Release the wheel.

9.4. Folding and stopping

1. Close the mandrel.
2. Fold the mandrel holder.
3. Remove the spout.
4. Lift the tools holder.
5. Slide the mandrel holder left.
6. Secure the mandrel holder with its latch.
7. Lower the tools holder to its center position.

WARNING

At the door side mount, check the position of the device before folding the tire changer.

8. Fold the device.
9. Turn the pneumatic tire contactor to "0".
10. Stop the compressor by turning the ignition key to the left.
11. Open the air purge valve.
12. Insert the stand in its seat.
13. Reposition the control console on the mandrel holder.
14. Purge the tank and the filter regulator lubricator (unless automatic purge option).

When the compressor stops, the automatic purge system (if equipped) starts and purges the condensate from the device.

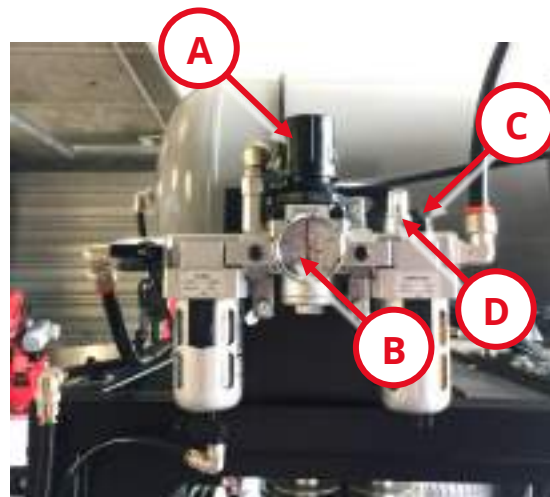
WARNING

Disposing of condensates in nature is punishable by law.
Have condensate treated by a specialized company.

9.5. Adjustments

Adjustment of the operating pressure for "HGV" reel

1. Pull regulator **A** upwards.
2. Adjust the desired pressure by turning the knob. Pressure is indicated by pressure gauge **B**.
3. Press the regulator to lock.



Adjustment of lubricant flow for "HGV" reel

Adjust the desired flow rate by turning the dial **C**.

For a standard use, it is advisable to see a drop of lubricant per minute in the control **D**.

9.6. Long inactivity

After a long period of inactivity, it is possible that the solenoid valves remain blocked.

If this is the case, disconnect the device and, with a screwdriver, press the pivot located at the center of all the solenoid valves of the oil-hydraulic unit to perform a manual release and then reconnect the device.



10. MAINTENANCE

10.1. Program

PERIODICITY		OPERATION	REFERENCE
After the 25 first hours	X	BOX: Drain the block and the engine and replace the engine oil filter.	KITENCTP001
Everyday	X	Check the different levels and general condition of the compressor (no leaks, belt tension).	
Every week	X	BOX: Clean the compressor and blow the radiator. TB: Clean and lubricate the slides. Check the clamping of the jaws.	
Every month	X	TB: Clean and lubricate the pivots. Clean and remove joints.	
Every 125 hours	X	BOX: Drain the block and engine and replace all filters (air, oil, gasoilne). TB: Check for slack in the slides.	KITENCTP002-1
Every 500 hours	O	Replace belts.	KITENCTP003-BOX22

X : to be done by the user or a specialized technician

O : contact us

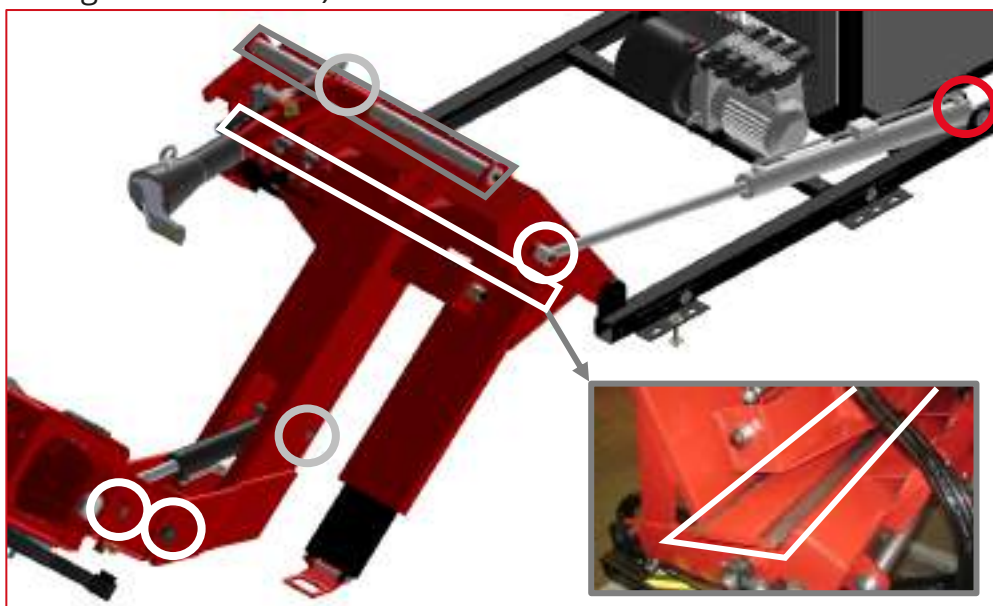
WARNING

Used oils and liquids and the battery should not be disposed of in sewers or in the nature but should be handed over to recovery companies in accordance with local legislation.

10.2. "TB" part

Cleaning and lubrication of slides and pivots

1. Clean the slides each week (identified by a rectangle). Oil the slides along the length with the recommended spray oil. (Oil in spray: CNEL524053)
2. Clean the grease nipples monthly (identified by a circle). Use a grease gun and recommended grease cartridge. Pump 2 to 3 times per pivot. (Grease cartridge: CNEL525043)

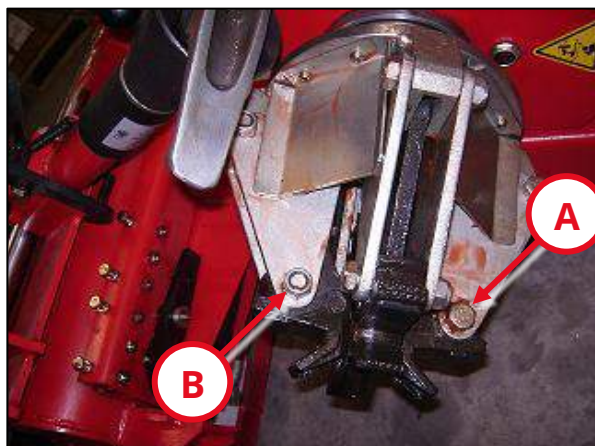


Cleaning and unjam joints

Clean the mechanical parts of the joint with multi-purpose penetrating, not forgetting the roller of the tools holder. (Penetrating: QUI333596)

Clamping the jaws

With a wrench of 24, check the clamping of the jaws and their arms. Start by tightening a bolt **A** then its locknut **B**.



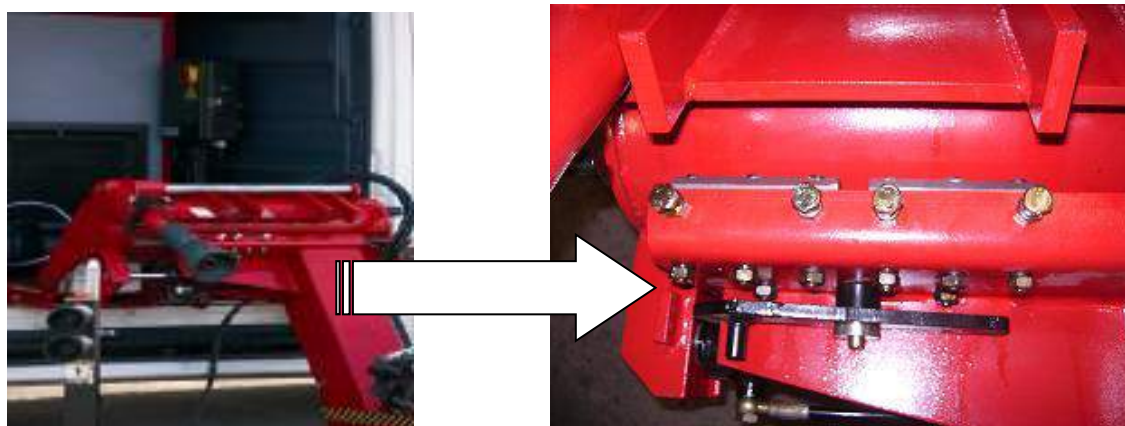
WARNING

The operations described below are to be done by specialized technicians.

Check that there is no clearance in the slides

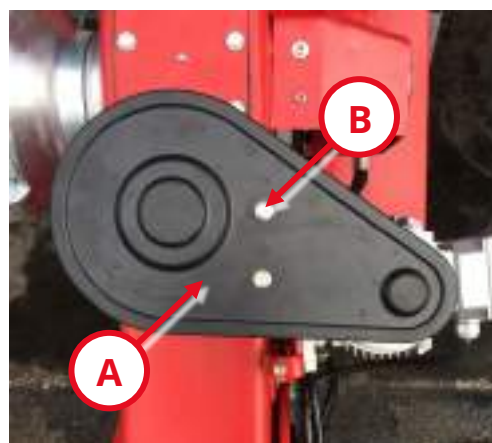
If necessary, adjust the pads:

1. Switch off the device.
2. Lift the tools holder and loosen the nuts of each pad on the underside and the lock nuts.
3. Screw the adjusting screws one quarter turn and tighten the nuts.
4. If necessary, repeat the operation until the clearance is canceled.



Verification and replacement of belts

1. Remove protective cover **A** by removing bolts **B**.
2. Check belt tension. If the flexion is greater than 1 cm with a load of 10 kg, tension the belts.



If the belts are loose:

- a. Tighten the belt tension bolt **C**.

If the belts are damaged:

- a. Loosen the belt tension bolt.
- b. Remove and replace the belts. (Belts: 3x TRAN606989)
- c. Tighten the belt tension bolt to tension the belts.

3. Replace the protective cover by replacing the bolts.



10.3. "BOX" part

Checking the general condition

Check for leaks of gasoline, oil or coolant.

Note

The level controls must be done on a flat surface.

Gasoline level control

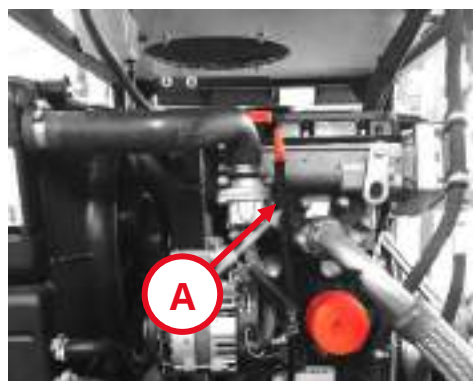
Check that the level is at its maximum and fill if necessary without overflowing.

General cleaning

Blow the compressor with compressed air and in particular the radiator.

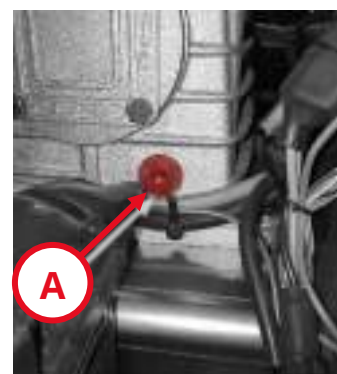
Checking the engine oil level

1. Clean the oil dipstick **A**, insert it correctly, check that the level is almost full and fill if necessary without exceeding the maximum level (MAX).
2. Replace the dipstick correctly.



Checking the oil level of the compression block

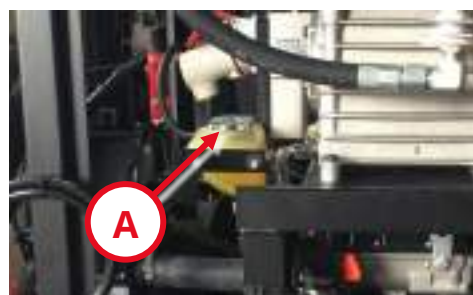
Check that the level is almost in the middle of the red circle of oil level **A** and fill if necessary without leaving the red circle.



Checking the coolant level

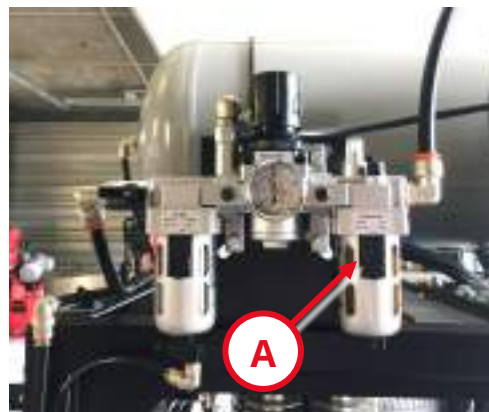
The coolant circuit is under pressure. Do not check until the engine has cooled down and do not open the radiator or expansion tank cap.

Check that the level on expansion tank **A** is almost at the maximum (indicated by the top of the arrow) and fill if necessary without exceeding the maximum level.



Checking the lubricant level for pneumatic tooling

Check that the level of the lubricant reservoir **A** is almost at its maximum and fill if necessary without exceeding the maximum level (MAX). When using between 0°C and 5°C, add an anti-icing additive pipette.



Control and cleaning of air filters

1. Open the air filter support and remove the filter cartridge.
2. Blow with compressed air on the outside and inside of the cartridge.
3. Replace the filter if necessary.
4. Clean and reassemble the air cleaner bracket.

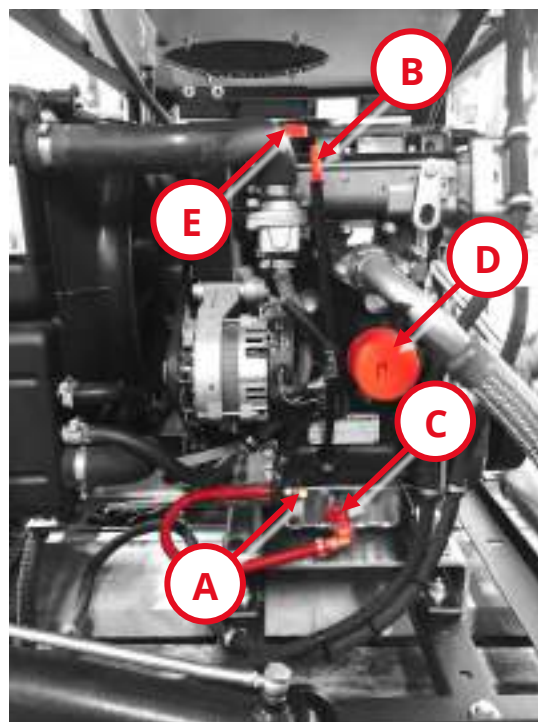
WARNING

The operations described below are to be done by specialized technicians.

Changing engine oil and replacing the oil filter

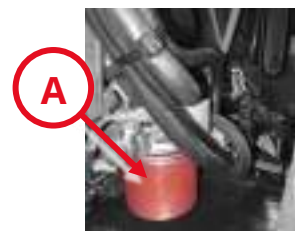
To quickly and completely drain the engine oil it is recommended to do this when the engine is hot (60°C maximum).

1. Place a container under the cap of the rilsan drain connection **A**.
2. Remove the oil dipstick **B**, unscrew the cap from the rilsan drain connection and open the drain valve **C**.
3. Close the valve after complete draining and tighten the cap.
4. Replace the dipstick.
5. Remove the oil filter **D** with a suitable wrench.
6. Clean the filter holder with a dry cloth.
7. Oil the seal of the new filter.
8. Screw the new oil filter by tightening it by hand.
9. Unscrew the oil filler cap **E**.
10. Pour approximately 1.6 liters of oil and replace the filler cap.
11. Check that the level is almost at its maximum.



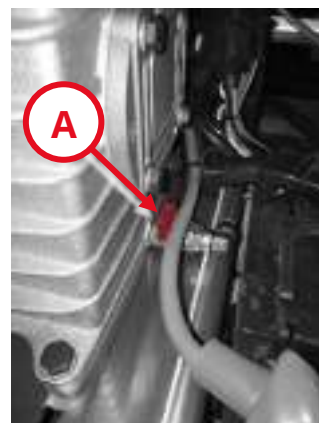
Replacing gasoline filter

1. Remove the diesel oil filter A.
2. Clean the filter holder with a dry cloth.
3. Oil the seal of the new filter.
4. Fit the new diesel filter by tightening it by hand.



Changing compression block oil

1. Place a container under drain valve A.
2. Remove the breather cap B and its seal, and open the drain valve.
3. Close valve after complete draining.
4. Pour oil through the breather cap.
5. Check that the level is in the middle of the red circle.
6. Replace breather cap and seal, and install.



Changing the coolant

1. Place a container under the radiator drain plug A.
2. Unscrew the radiator drain plug.
3. After complete draining, screw on the plug.
4. Open the expansion tank filler cap.
5. Fill with coolant up to maximum level.
6. Close the filler cap.



Checking the tension and replacing the drive belts of the alternator

Check only after isolating the positive cable from the battery to prevent a possible short circuit.

1. Check belt tension. If the flexion is greater than 1 cm with a load of 10 kg, stretch the belt:
 - a. Loosen the two alternator fixing bolts.
 - b. Force the alternator outwards to tension the belt.
 - c. Tighten the fixing bolts to 25 N·m for the bottom one and 40 N·m for the upper one using a torque wrench.
2. Check the condition of the belts. If they are damaged or if they are to be replaced according to the defined program, contact us.

Checking the tension and replacing the drive belts of the compression block

1. Check belt tension. If the flexion is greater than 1 cm with a load of 10 kg, tension the belts.
 - a. Loosen the 4 fixing bolts of the compression block. Move the compression block to tension belts.
 - b. Tighten the fixing bolts.
2. Check the condition of the belts. If they are damaged or if they are to be replaced according to the defined program:
 - a. Loosen the 4 fixing bolts of the compression block. Move the compression block so that the belts are loosened.
 - b. Replace belts.
 - c. Move the compression block to tension belts.
 - d. Tighten the fixing bolts.

10.4. Spare parts list

Engine oil:

ACCO562255 (VISICO 3000 10W40)

Compression block oil:

ACCO562228 (ENERGOL RC-R 100)

Coolant:

ACCO562275 (PRETTYCOOLING STD -30°C)

Pneumatic tool lubricant:

ACCO562235

Anti-icing additive for lubricant:

ACCO562200 (à l'unité)

ACCO562200-1 (boite de 100)

Breather:

PDCH36500200

Breather seal:

PDCH3050016A

Compression block air filter:

PDCH35602940R

Oil filter:

PDLO2175107

Engine air filter:

PDLO2175164

Gasoline filter:

PDLO2175045

Compression block drive belt:

2x TRAN540138

Generator drive belt:

TRAN540543

Mandrel drive belt:

3x TRAN606989

Spray oil:

CNEL524053

Grease cartridge:

CNEL525043

Penetrating:

QUI333596

11. TROUBLESHOOTING

“TB” part

PROBLEM	POSSIBLE CAUSE	SOLUTION
The machine does not start.	The circuit breaker of the electrical cabinet is open.	Toggle the 2-position switch to "on".
	Emergency stop button on the control panel is activated.	Rotate while lifting to bring it back to its original position.
The oil pressure gauge of the mandrel holder is not between 130 and 180 BAR.	Contact us.	
The control panel no longer allows the machine to be operated.	Lack of energy source.	Follow the manual pumping procedure below (see also sticker affixed to the machine). Contact us.

“BOX” part

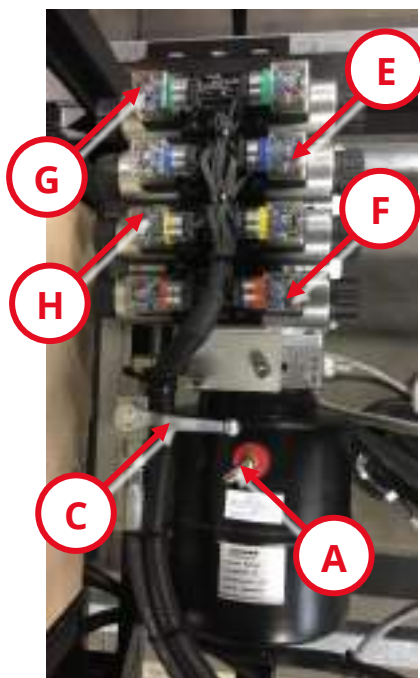
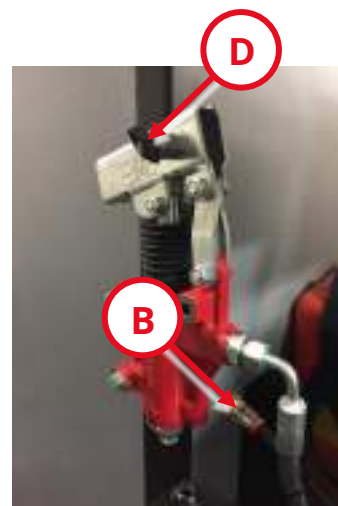
PROBLEM	POSSIBLE CAUSE	SOLUTION
Le moteur ne démarre pas.	Emergency stop button switched on.	Disengage the emergency stop button.
	Starter problem.	Contact us.
	Battery problem.	Load or change the battery.
	Connections from gasoline tank to engine.	Contact us.
	Gasoline level.	Fill the tank with gasoline.
	Starter housing.	Contact us.
	Electrical connection of the motor.	Contact us.
	Gasoline solenoid valve.	Contact us.
	Air filter and gasoline engine filter.	Clean Change engine air and gasoline filters.
	Spark plugs.	Contact us.
The motor stops under load.	Gasoline level.	Fill the tank with gasoline.
	Air filter and gasoline engine filter.	Clean or change engine air and gasoline filters.
	Motor adjustment.	Contact us.
	Motor defective.	Contact us.
Le bloc de compression ne fournit pas d'air.	Compression block drive belts.	Change drive belts.
	Block air filter clogged.	Clean or change the filter.
	Block-tank flexible.	Contact us.
	Block defective.	Contact us.

The pressure of the tank is not the desired one.	Gauge defective.	Contact us.
	Pipes or fittings in poor condition (leaks, cracks...).	Tighten all hoses. Replace defective hoses. Reattach the fittings.
	Check that the purge valve is closed.	Close the valve.
	Block air filter clogged.	Clean or change the filter.
	Pilot relay defective.	Contact us.
	Block defective.	Contact us.
The outlet pressure of the reels is not the desired or is at zero.	Inlet valve of FRL.	Open the valve.
	FRL adjustment.	Set the FRL regulator to the desired pressure.
	Problem connections (leaks, cracks...).	Replace defective hose connections.
	Problem with the reels.	Contact us.
The pressure of the tank goes down while you are not using air.	Pipes or fittings in poor condition (leaks, cracks...).	Tighten all hoses. Replace defective hoses. Reattach the fittings.
	Tank conditions.	Contact us.
	Check that the purge valve is closed.	Close the valve.
	Non-return valve.	Contact us.
	Safety valve defective.	Contact us.
	Pilot relay defective.	Contact us.
The voltage at the electrical outlets is zero or not the correct.	Engine-generator belt.	Contact us.
	Engine speed incorrectly set.	Contact us.
	Differential switch on "OFF".	Switch the differential switch on "ON".
	Outlet connection.	Connect the plugs correctly.
	Cables defective.	Contact us.
	Generator defective.	Contact us.
The compressor does not stop inflating.	Pipes or fittings in poor condition (leaks, cracks...).	Tighten all hoses. Replace defective hoses. Reattach the fittings.
	Block defective.	Contact us.

In case of a persistent problem, do not use the device and call us. All operations on the electrical installation and on the mains supply must be done by qualified and authorized personnel. Any damage resulting from the non-observance of these recommendations resulting in the end of guarantee.

Emergency manual pump

1. Remove the oil tank cap **A**.
2. Remove fitting **B** at the end of the rilsan hose from the pump and immerse the hose in the oil tank.
3. Open the emergency valve **C**.
4. Remove the emergency fitting **D** from its support.
5. Remove the plug of the solenoid valve concerned by the desired movement.
6. Tighten the emergency fitting to the same solenoid valve.
7. Pump using the manual emergency pump.
8. Do not use the device until it has been repaired.



E: Solenoid valves "mandrel"
F: Solenoid valves "translation"
G: Solenoid valves "folding/unfolding"
H: Solenoid valves "mandrel holder"
Side "1 ring": opening solenoid valve
Side "2 rings": closing solenoid valve

12. IN CASE OF FIRE

For the most appropriate fire extinguisher, please refer to the following table:

	Solid fire (Wood, Paper, etc.)	Liquid fire (Thinners, paint, etc.)	Electrical appliances
Water + additive	YES	YES	NO
Foam	YES	YES	NO
Powder	YES	YES	NO
CO2	YES	YES	YES

Recommended extinguisher type

The information given in the preceding table is general and is given to assist the user in the event of a fire start or in the absence of appropriate means. In all cases, refer to what the fire extinguisher manufacturers recommend.

13. END OF LIFE

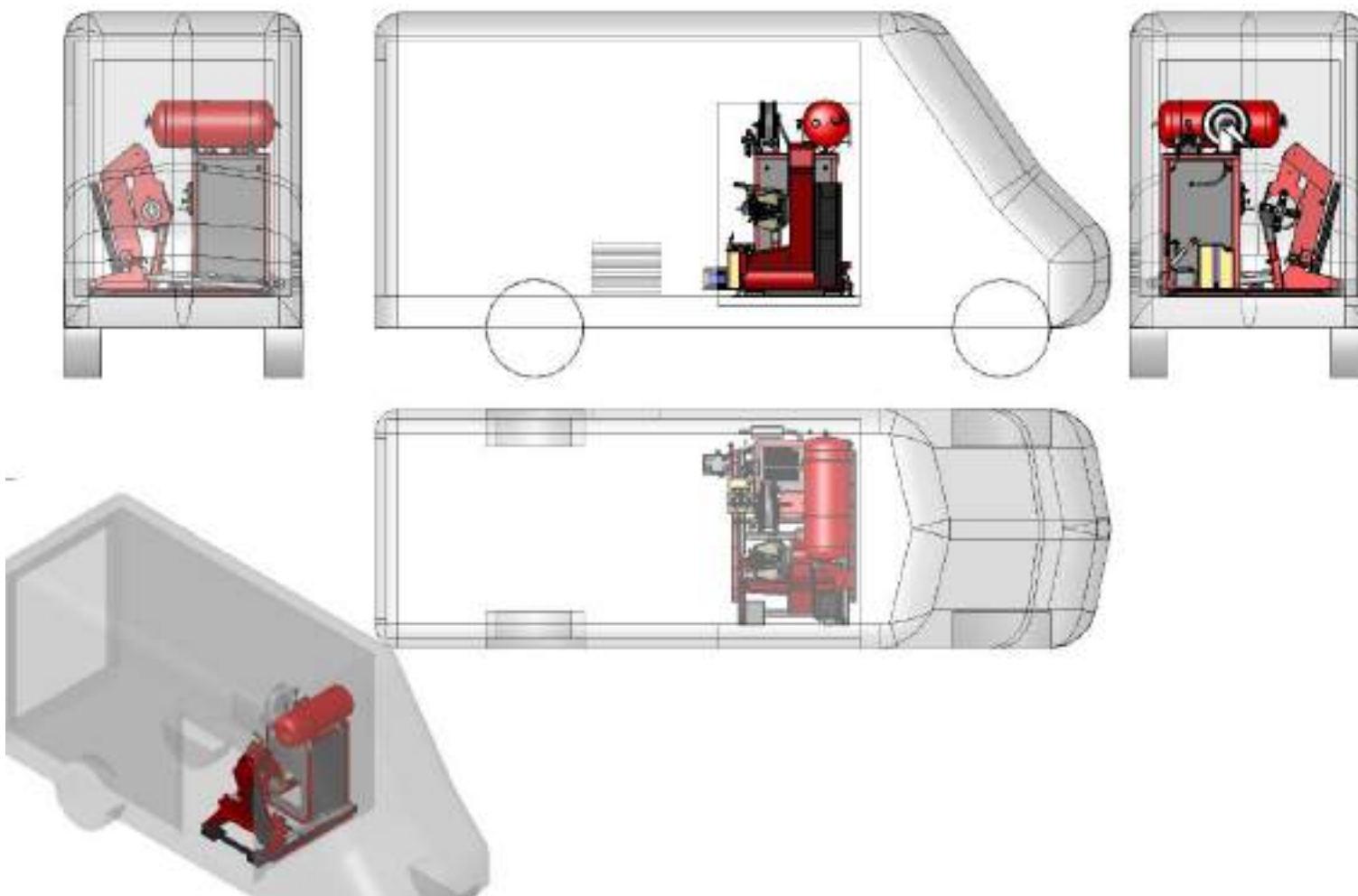
For the destruction of the device at the end of its life, disassemble and separate electrical parts, plastics and iron for disposal in accordance with current standards and regulations.

14. CONTACT

Fasep 2000 srl
Via Faentina 96
50032 Borgo San Lorenzo (FI) - Italy
Tel. +39 055 8403126
email: support@fasep.it

15. APPENDICES

Example of position on van



TB126L overall dimensions

