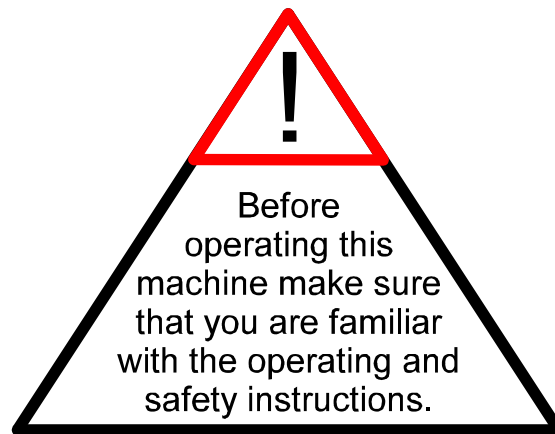


OPERATING MANUAL



5 1005 0090 10" Utility Air Chain Saw



Manufactured by: SPITZNAS GmbH, POSTFACH 11 02 09, 42530 VELBERT, GERMANY

DISTRIBUTED BY: CS UNITEC, INC.
22 Harbor Avenue
Norwalk, CT 06850

Toll Free: 800-700-5919
Tel: (203) 853-9522
Fax: (203) 853-9921

Web: www.csunitec.com
Email: Info@csunitec.com

GENERAL

- This manual is supplied with the tool. Keep it with the utmost care.
- No part of this manual can be reproduced or transmitted in any form or by any means without written permission by the manufacturer.
- The company reserves the right to make changes in its products at any time and without prior notice.



NOTE: IN ORDER TO BETTER UNDERSTAND THE USE & MAINTENANCE MANUAL, TURN THE COVER PAGES OUTWARDS. THIS WILL ALLOW YOU TO REFER TO THE DRAWINGS AND TEXT AT THE SAME TIME.

INTRODUCING THE MANUFACTURER

The vast expertise and the ability to meet all specific customer's requirements have made the manufacturer a market leader of pneumatic pruning equipment which is known world-wide for its advanced design, construction and reliability.

Over sixty percent of the products are sold abroad. The company provides an extended sales network, employs highly qualified personnel and offers a wide range of products:

- Pneumatic pruning shears (which can also be connected to extensions)
- Pneumatic beating rakers for olives and fruit-thinning tools
- Pneumatic hedge trimmers, brush cutters and chainsaws
- Compressors with or without wheels and motorcompressors

The products are the right answer to all your problems as they are:

- easy to handle and use
- extremely versatile
- made of high quality material
- reliable
- superbly designed.

SAFETY PROCEDURES

Carefully read this User's Manual before operating the equipment.

The Manufacturer shall not be held responsible for damage deriving from use of the equipment other than that specified in this Manual (See par. 'Product Description'). Moreover, the Manufacturer shall not be held responsible for the consequences deriving from the use of non-original spare parts or from modifications made to the equipment by unauthorised persons.

SPECIAL CAUTIONS


- Look around before using the equipment and be careful not to create hazardous situations during work.
- Do not alter, remove or damage any parts, in particular those which guarantee safe operation.
- Inspect the air-operated saw before using it.
- Do not operate the saw with the guards removed.
- Never use the saw if you are tired as this may be a cause of accidents.
- Before starting work, make sure the area around you is clear, you are standing in a stable position and able to get out of harm's way when trees are felled.
- Firmly hold the saw with both hands.
- Before starting the saw, make sure the chain does not touch anything.
- Before carrying the saw away, make sure the air supply is disconnected and the chain guard (26) is installed.
- Never use the equipment if it needs adjustments, is damaged, or not completely assembled.
- Be extremely careful when cutting bushes or small-sized shrubs as the chain may get caught in the wood, producing flying splinters. In this situation, you may even lose your balance.
- Make sure the handles are thoroughly clean, dry and free of oil stains.
- Beware of kick-backs! Kick-backs are abrupt movements of the saw which occur when the chain suddenly comes into contact with the wood. Remember, if you are not properly balanced, the equipment may be difficult to control. For this reason:
 1. Firmly hold the saw with both hands.
 2. Operate the saw at a high speed when making cuts.
 3. Never make cuts above shoulder height.
 4. Keep to the manufacturer's instructions when grinding the chain or doing any maintenance work.
- Check oil level every hour. If there is not sufficient oil the chain will heat excessively. In extreme cases the chain will get stuck and damage to the chain and/or bar will occur. The tank contains gr. 40 of oil.
- Any maintenance procedures not described in the Operation and Maintenance Manual should be carried out in authorised service centers.

DESCRIPTION

The air-operated saw is used for lopping branches and pruning orchards, vineyards, citrus and olive groves and trees in general.

The saw can be supplied with a 10" or 8" guide blade (10). It features an ergonomically-designed handle in acetic resin (2), a light-alloy motor body (22) and an oil reservoir (20) for guide blade lubrication. The adjustment screw (24), located between the air inlet (1) and the valve (23), controls the air flow so as to vary the speed and cutting power of the saw. The handle (2) has a lower guard (25), which protects the user's hands, and a safety

lever (15) which prevents the saw from being inadvertently operated. In turn, the lever (15) is provided with a safety catch (16) which is engaged automatically when the lever is released. The front handle (6) is coated with plastic material for improved hand grip while the hand guard (8) protects the operator against shocks and blows.

 **WARNING: THE EQUIPMENT MAY BE SERIOUSLY DAMAGED AND EXPOSE THE OPERATOR TO RISKS IF IT IS USED TO CUT MATERIAL OTHER THAN THAT INDICATED.**

 **IMPORTANT: MAKE SURE THE SLOT IN THE ADJUSTMENT SCREW (24) IS HORIZONTAL IN ORDER TO ENSURE A SUFFICIENT AIR FLOW.**

MAIN FEATURES:

- Air-operated
- Ergonomically designed handle (2)
- Control lever (15)
- Automatic safety catch (16)
- Finger guard (25)
- Hand guard (8)
- 10"/8" guide blade (10)
- Automatic guide blade lubricator
- Set up to receive extensions (27)
- Flow regulator screw (24)

SPECIFICATIONS:

- Guide blade length 10" and 8"
- Cutting capacity 200 mm (dia.)
- Air requirements 400 NI/l'
- Operating pressure 10 bar
- Weight 2,2 kg

INSTALLATION AND PRELIMINARY CHECKS

- Before operating the equipment, make sure all the safety devices are efficient and the guards are in place.
- Make sure the guide blade (10) and the chain (9) are properly installed and, in particular, that the chain is well tensioned.
- Check all the screws for tightness.
- Fill the oil reservoir (20) of the chain lubricator. Use oil having a SAE 30 specification. Remember that the chain (9) may get stuck if there is not enough oil.
- Always maintain the recommended pressure. Set the air compressor to a pressure of 10 bar.
- Use a straight supply hose with an inside diameter of 8 mm and a maximum length of 50 m.

- Before connecting the equipment to the air supply, check the inside of the hose to ensure it is free of extraneous matter.
- See that the pneumatic unit lubricator delivers the required amount of oil (SAE 10). When necessary, top up the lubricator reservoir on the compressor.
- Make sure the safety catch is engaged when the saw is connected to the air supply but it is not being operated.
- To install an extension, refer to the instructions given in the Maintenance chapter.

MAINTENANCE

 **WARNING: ALL MAINTENANCE OPERATIONS ARE TO BE PERFORMED WITH THE AIR HOSE DISCONNECTED AND THE SAFETY CATCH ENGAGED.**

CHAIN LUBRICATION

- The chain oiler is factory set. Frequently check the oil level in the reservoir (20). The chain is lubricated automatically, in any case the oil flow can be adjusted by turning the screw (19) located on the upper part of the flow regulator. Turn the screw clockwise to reduce the flow of oil; counter-clockwise to increase it. Use oil having a SAE 30 specification to lubricate the chain (9). To add oil, remove the cap (21) located on the top of the reservoir. To ensure proper chain lubrication, make sure the screw (19) is tight and then turn it counter-clockwise three times.

 **WARNING: IF THE SAW IS NOT LUBRICATED, THE CHAIN MAY GET STUCK CAUSING SEVERE DAMAGE.**

CHAIN TENSIONING

Loosen the nuts (13-18) and use an Allen wrench to turn the socket-head screw (17) clockwise so as to tension the chain.

REPLACING THE CHAIN

Remove the cover (4), loosen the nuts (13-14) and turn the screw (17) to slacken the chain. Remove the chain (9) and install the new one. Make sure the cutting teeth point in the correct direction.

SERVICING THE CHAIN SAW

Before putting the saw away, it is good practice to let in some drops of diesel fuel through the air fitting (1) located on the handle. Do this by operating the equipment at low speed for a few seconds. This will prevent the formation of moisture and hard deposits.

CLEANING THE VALVES

- Loosen the screw plug (23) with the wrench provided or with a pair of pliers.
- Gently remove the valves.
- Check the seals for condition. Replace them immediately even if they are slightly worn.
- Blow compressed air through the valves and their seats and reinstall them by proceeding as above in reverse order.

GUIDE BLADE AND LUBRICATION POINTS

- Thoroughly clean these parts before using the saw:
 1. guide channel (11)
 2. lubrication points (12)

INSTALLING THE EXTENSION

Perform the following operations to attach an extension rod to the chain saw.

- Release the handle (1) and the ring nut (3).
- Loosen the screws (5-7), remove the tubular handle (6) as well as the hand guard (8).
- Screw the extension rod (27) into the flange with the aid of a suitable wrench.

TROUBLE-SHOOTING GUIDE

The chain saw does not work.

1. Inspect the compressor for proper operation.
 - Check the compressor.
2. Check the air hose.
 - Disconnect the air hose and check for the presence of obstructions.

Insufficient cutting power

1. Check the air line for cleanliness.
 - Disconnect the air hose and blow in compressed air so as to remove any extraneous matter.
2. Check the pressure in the compressor.
 - Make sure the pressure is at 10 bar.
3. The chain saw is not lubricated.
 - Check the oil level in the lubricator.
4. Check the screw on the flow regulator.
 - The screw should be in such a position as to allow the maximum flow of air.

Air leaks out of the valve

1. Check the seals for wear.
 - Remove the valve and replace the seals even if they are slightly worn.

Air leaks out of the exhaust when the engine is at a stillstand

1. The engine is blocked

Put some diesel oil into the handle and make the engine idle

The chain gets blocked

1. Leaking lubrication, check the oil level in the tank

Unscrew the cap and fill the tank up again

The chain has got slackened on the control bar

1. The chain tension is not enough

Screw the chain regulation screw tight

WARRANTY

The Company gives its whole production a 1-year warranty starting from the sale date.

The warranty refers to all manufacture and material faults, to the replacement and/or reparation of the parts which appear faulty after the Company's inspection, as well as to the eventually necessary labour costs.

Any service during the warranty period has to be carried out by technicians authorized by the Company, otherwise the warranty could not be considered valid.

Any shipment costs are at the buyer's expense in any case.

The Company and the Authorized Dealer do not assume any responsibility in case of:

- Carelessness, misuse or insufficient training on the part of the operator.
- Failure to perform the recommended check-out procedures or servicing as outlined by the manufacturer.
- Use of non-original spare parts or modifications made to the equipment after it has been purchased.
- Service carried out by unauthorized people.

This warranty is limited to the terms specified above.



The Company will not be compelled to pay for any incidental, consequential or special damages in any case.