scheppach HC26 Compressor Instruction Manual

Contents

scheppach HC26 Compressor

Product Information:

- **Product Name:** Druckluftkompressor
- **Product** Model: HC26
- **Art.№:** 5906135901
- **AusgabeN№:** 5906135850
- **Rev.№:** 05/09/2019
- **Brand:** Scheppach

Product Usage Instructions

1. **Introduction:** The Scheppach Druckluftkompressor is a powerful compressor that is designed for professional use. Before using the compressor, read the user manual carefully and follow all safety instructions.
2. **Lieferumfang:** The package includes the compressor, transport handle, pressure switch, quick coupling, and manometer.
3. **Safety Instructions:** To ensure safe operation, follow these safety guidelines:
    - Keep your workspace clean and organized.
    - Wear appropriate clothing and safety gear.
    - Never use the compressor for purposes other than those intended.
    - Do not use the compressor in damp or wet conditions.
    - Store unused power tools in a safe place.
    - Avoid accidental start-up by disconnecting the power supply before making any adjustments or changing accessories.
4. **Technical Specifications:** The Scheppach Druckluft kompressor has the following technical specifications:
    - **Power Supply:** 230 V~ 50 Hz
    - **Power Consumption:** max. 1500 W
    - **Speed:** S1 2850 min-1
    - **Tank Capacity:** ca. 24 l
    - **Maximum Pressure:** ca. 8 bar
    - **Air Delivery Rate**: ca. 220 l/min

- **Noise Level:** 93 dB(A)
- **Protection Class:** IP20
- **Weight**: 21 kg

5. **Before Use:** Before using the compressor, ensure that it is properly grounded and that all electrical connections are secure. Check the oil level in the compressor and add oil if necessary. Make sure that the air filter is clean and free from debris.
6. **Operation:** To operate the compressor, follow these steps:
    1. Connect the compressor to a power supply.
    2. Turn on the compressor using the pressure switch.
    3. Attach the tool or accessory to the quick coupling.
    4. Adjust the pressure using the regulator valve.
    5. Monitor the pressure using the manometer.
    6. When finished, turn off the compressor using the pressure switch and disconnect from the power supply.
7. **Maintenance:** Regular maintenance is essential to ensure optimal performance and longevity of the compressor. Follow these maintenance guidelines:
    - Clean the compressor regularly and remove any dust or debris.
    - Check the oil level and add oil if necessary.
    - Replace the air filter regularly.
    - Inspect all hoses and connections for signs of wear or damage and replace if necessary.
8. **Disposal:** When disposing of the compressor, follow all local regulations and guidelines for proper disposal and recycling of electronic equipment.

SYMBOLS

Explanation of the symbols on the equipment

	Read and follow the operating and safety instructions before you start working with this power tool.
	Wear ear-muffs. The impact of noise can cause damage to hearing.
	Beware of hot parts!
	Beware of electrical voltage!
	Warning! The unit is equipped with an automatic start control. Keep others away from the work area of the device!
	Caution! Before using for the first time, check the oil level and replace the oil sealing plug!

Introduction

Manufacturer:

- scheppach
- Fabrikation von Holzbearbeitungsmaschinen GmbH Günzburger Straße 69
- D-89335 Ichenhausen

Dear Customer,
we hope your new tool brings you much enjoyment and success.

Note:
According to the applicable product liability laws, the manufacturer of the device does not assume liability for damages to the product or damages caused by the product that occurs due to:

- Improper handling,
- Non-compliance of the operating instructions,
- Repairs by third parties, not by authorized service technicians,
- Installation and replacement of non-original spare parts,
- Application other than specified,
- A breakdown of the electrical system that occurs due to the non-compliance of the electric regu-lations and VDE regulations 0100, DIN 57113 /VDE0113.

We recommend:

- Read through the complete text in the operating in-structions before installing and commissioning the device.

- The operating instructions are intended to help the user to become familiar with the machine and take advantage of its application possibilities in accord-ance with the recommendations.
- The operating instructions contain important infor-mation on how to operate the machine safely, pro-fessionally and economically, how to avoid danger, costly repairs, reduce downtimes and how to in-crease reliability and service life of the machine.
- In addition to the safety regulations in the operating instructions, you have to meet the applicable regula-tions that apply for the operation of the machine in your country.
- Keep the operating instructions package with the machine at all times and store it in a plastic cover to protect it from dirt and moisture. Read the instruction manual each time before operating the machine and carefully follow its information. The machine can only be operated by persons who were instructed con-cerning the operation of the machine and who are in-formed about the associated dangers. The minimum age requirement must be complied with.
- In addition to the safety notices contained in this operating manual and the particular instructions for your country, the generally recognised technical reg-ulations for the operation of identical devices must be complied with.
- We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

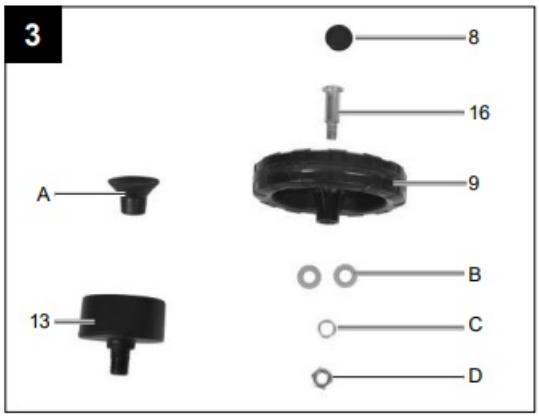
Device description

1. Transport handle
2. Pressure switch
3. Quick-lock coupling (regulated compressed air)
4. Pressure gauge (for reading the vessel pressure)
5. Pressure vessel
6. Supporting foot
7. Drain plug for condensation water
8. Protection cap
9. Wheel
10. Housing cover
11. Motor
12. Oil plug
13. Air filter
14. ON/OFF switch
15. Safety valve
16. Oil level / -control display
17. Wheel hub bolt
18. Oil drain plug / screw

- A Supporting foot
- B Washer
- C Locking ring
- D Fixing nut
- E Connection point air filter F Safety plug

- G Screw
- H Washer
- J Air filter cover
- K Interior air filter element L Filter element

Scope of delivery



- compressor
- manual
- 2 wheels
- supporting foot
- assembly material (shown Fig. 3)
- oil bottle
- Open the packaging and remove the device care-fully.
- Remove the packaging material as well as the packaging and transport bracing (if available).
- Check that the delivery is complete.
- Check the device and accessory parts for trans-port damage.
- If possible, store the packaging until the warranty period has expired.

  ATTENTION!

  The device and packaging materials are not toys! Children must not be allowed to play with plas-tic bags, film and small parts! There is a risk of swallowing and suffocation!

Intended use

- The compressor is designed to generate com-pressed air for compressed-air driven tools which can be driven with an air volume of up to approx. 189 l/min (e.g. tire inflator, blow-out pistol and paint spray gun).
- Due to the limited air output it is not possible to use the compressor to drive tools with very high air con-sumption (for example orbital sanders, rod grinders and hammer screwdrivers).
- The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufac-turer will be liable for any damage or injuries of any kind caused as a result of this.
- Please note that our equipment has not been de-signed for use in commercial, trade or industri-al applications. Our warranty will be voided if the equipment is used in commercial, trade or industrial businesses or for

equivalent purposes.

Safety information

Attention! The following basic safety measures must be observed when using electric tools for pro-tection against electric shock, and the risk of inju-ry and fire. Read all these notices before using the electric tool and keep the safety instructions for later reference.

Safe work

1. **Keep the work area orderly**
   Disorder in the work area can lead to accidents.
2. **Take environmental influences into account**
   - Do not expose electric tools to rain.
   - Do not use electric tools in a damp or wet envi-ronment. There is a risk of electric shock!
   - Make sure that the work area is well-illuminated.
   - Do not use electric tools where there is a risk of fire or explosion.
3. **Protect yourself from electric shock**
   Avoid physical contact with earthed parts (e.g. pipes, radiators, electric ranges, cooling units).
4. **Keep children away**
   Do not allow other persons to touch the equipment or cable, keep them away from your work area.
5. **Securely store unused electric tools**
   Unused electric tools should be stored in a dry, elevated or closed location out of the reach of children.
6. **Do not overload your electric tool**
   They work better and more safely in the specified output range.
7. **Wear suitable clothing**
   - Do not wear wide clothing or jewellery, which can become entangled in moving parts.
   - Rubber gloves and non-slip shoes are recommended when working outdoors.
   - Tie long hair back in a hair net.
8. **Do not use the cable for purposes for which it is not intended**
   Do not use the cable to pull the plug out of the outlet. Protect the cable from heat, oil and sharp edges.
9. **Take care of your tools**
   - Keep your compressor clean in order to work well and safely.
   - Follow the maintenance instructions.
   - Check the connection cable of the electric tool regularly and have it replaced by a recognised specialist when damaged.
   - Check extension cables regularly and replace them when damaged.
10. **Pull the plug out of the outlet**
    During non-use of the electric tool or prior to maintenance and when replacing tools.
11. **Avoid inadvertent starting**
    Make sure that the switch is switched off when plugging the plug into an outlet.
12. **Use extension cables for outdoors**
    - Only use approved and appropriately identified extension cables for use outdoors.
    - Only use cable reels in the unrolled state.
13. **Remain attentive**

Pay attention to what you are doing. Remain sensible when working. Do not use the electric tool when you are distracted.

14. **Check the electric tool for potential damage**
    - Protective devices and other parts must be carefully inspected to ensure that they are faultfree and function as intended prior to continued use of the electric tool.
    - Check whether the moving parts function faultlessly and do not jam or whether parts are damaged. All parts must be correctly mounted and all conditions must be fulfilled to ensure faultfree operation of the electric tool.
    - Damaged protective devices and parts must be properly repaired or replaced by a recognised workshop, insofar as nothing different is specified in the operating manual.
      —Damaged switches must be replaced at a customer service workshop.
      —Do not use any faulty or damaged connection cables.
      —Do not use any electric tool on which the switch cannot be switched on and off. 15 Have your electric tool repaired by a qualified electrician
      — This electric tool conforms to the applicable safety regulations. Repairs may only be performed by an electrician using original spare parts. Otherwise accidents can occur.
15. **Important!**
    For your own safety you must only use the accessories and additional units listed in the operating instructions or recommended or specified by the manufacturer. The use of mounted tools or accessories other than those recommended in the operating instructions or catalog may place your personal safety at risk.
16. **Noise**
    Wear ear muffs when you use the compressor.
17. **Replacing the power cable**
    To prevent hazards, leave the replacement of damaged power cables strictly to the manufacturer or a qualified electrician. There is a risk of electric shock!
18. **Inflating tires**
    Directly after inflating tires, check the pressure with a suitable pressure gauge, for example at your filling station.
19. **Roadworthy compressors for building site operations**
    Make sure that all lines and fittings are suitable for the maximum permissible operating pressure of the compressor.
20. **Place of installation**
    Set up the compressor on an even surface.
    Warning! This electric tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain conditions. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the electric tool.

ADDITIONAL SAFETY INSTRUCTIONS
Safety instructions for working with compressed air and blasting guns

- The compressor pump and lines can become very hot during operation. Touching these parts will burn you.
- The air which is sucked in by the compressor must be kept free of impurities that could cause fires or explosions in the compressor pump.

- When releasing the hose coupling, hold the hose coupling piece with your hand. This way, you can protect yourself against injury from the rebound-ing hose.
- Wear safety goggles when working with the blow-out pistol. Foreign bodies or blown off parts can easily cause injuries.
- Do not blow at people with the blow-out pistol and do not clean clothes while being worn. Risk of in-jury!

Safety information for paint spraying

- Do not process any paints or solvents with a flash point below 55° C. There is a risk of explosion!
- Do not heat up paints or solvents. There is a risk of explosion!
- If hazardous liquids are processed, wear protec-tive filter units (face guards). Also, adhere to the safety information provided by the manufacturers of such liquids.
- The details and designations of the Ordinance on Hazardous Substances, which are displayed on the outer packaging of the processed material, must be observed.
- Additional protective measures are to be under-taken if necessary, particularly the wearing of suit-able clothing and masks.
- Do not smoke during the spraying process and/or in the work area.
- There is a risk of explosion! Paint vapors are easily combustible.
- Never set up or operate the equipment in the vicin-ity of a fire place, open lights or sparking machines.
- Do not store or eat food and drink in the work area. Paint vapors are harmful to your health.

Operating pressure vessels

- You must keep your pressure vessel in good work-ing order, operate the vessel correctly, monitor the vessel, carry out necessary maintenance and re-pair work immediately and meet the relevant safety precautions.
- The supervisory authority may enforce essential control measures in individual cases.
- A pressure vessel is not allowed to be used if it has faults or deficiencies that can endanger workers or third parties.
- Check the pressure vessel for signs of rust and damage each time before using. Do not use the compressor with a damaged or rusty pressure vessel. If you discover any damage, then please contact the customer service workshop.
  Do not lose these safety instructions

Technical data

- **Mains connection** 230 V~ 50 Hz
- **Motor rating** max. 1500 W
- **Operating mode** S1
- **Compressor speed** 2850 min-1
- **Pressure vessel capacity** approx. 24 l
- **Operating pressure** approx. 8 bar
- **Theoretical intake capacity** approx. 220 l/min
- **Sound power level** LWA 93 dB(A)
- **Uncertainty** KWA 2.4 dB

- **Protection type** IP20
- **Weight of the unit** 21 kg

  The noise emission values were measured in accordance with EN ISO 2151.

Wear hearing protection.
The effects of noise can cause a loss of hearing.

Before starting the equipment

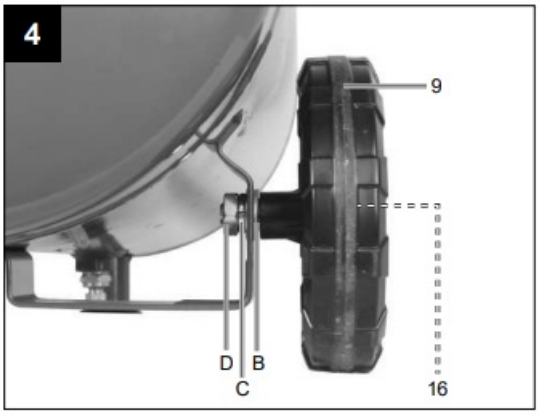
Before you connect the equipment to the mains sup-ply make sure that the data on the rating plate are identical to the mains data.

- Prior to initial commissioning, remove the trans-port plug (12) and fill the crank housing with oil as described in 8.4.
- Check the equipment for damage which may have occurred in transit. Report any damage immediately to the transport company which was used to deliver the compressor.
- Install the compressor near the point of consumption.
- Avoid long air lines and supply lines (extension cables).
- Make sure that the intake air is dry and dust free.
- Do not install the compressor in a damp or wet room.
- The compressor may only be used in suitable rooms (with good ventilation and an ambient temperature from +5 °C to 40 °C). There must be no dust, acids, vapors, explosive gases or inflammable gases in the room.
- The compressor is designed to be used in dry rooms. It is prohibited to use the compressor in areas where work is conducted with sprayed water.

Attachment and operation

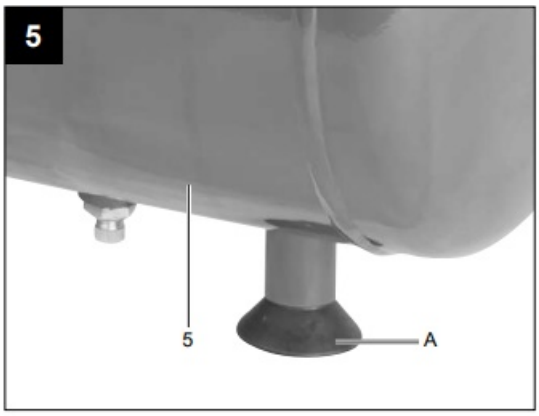
Important!
You must fully assemble the appliance before using it for the first time!
You will require the following tools for assembly and installation: 1x Screwdriver an 1x open-ended wrench size 13 mm (not included)

Fitting the wheels (9)
Fit the supplied wheels (9) as shown in fig. 4.



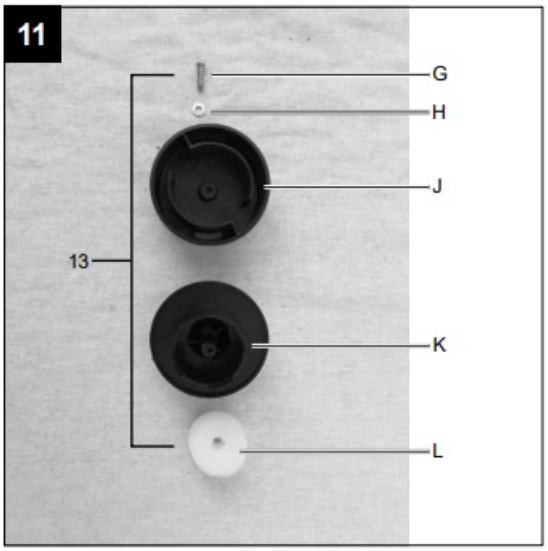
Fitting the supporting foot (A)

Fit the supplied supporting foot (A) as shown in fig. 5.



Installation of the air filter (13)

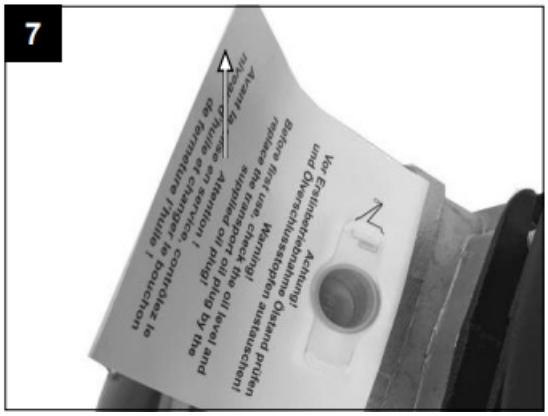
- Remove the transport plug (fig. 10 pos. F) and attach the air filter (fig. 11 pos. 13) on the unit by turning clockwise (N) (fig. 12).
- Solve for maintenance the air filter (13) by turning counter-clockwise (M) (Fig. 12).

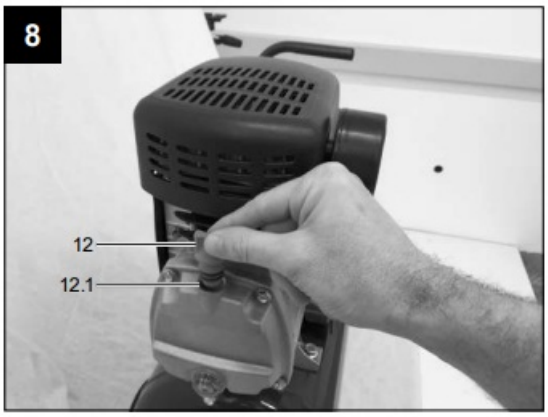


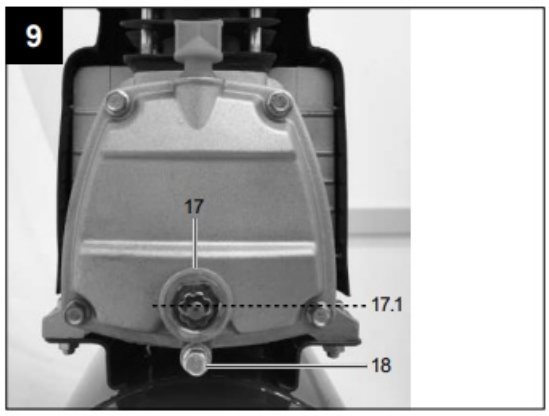
Changing the transportation cover (Figure 7 – 9)

- Remove the transport lid (12) of the oil filling opening .
- Fill the included compressor oil into the crank housing and insert the included oil sealing plug into the oil filling

opening.







Checking the oil level (Figure 7 – 9)
Warning: For the first use, check the oil level of the compressor.

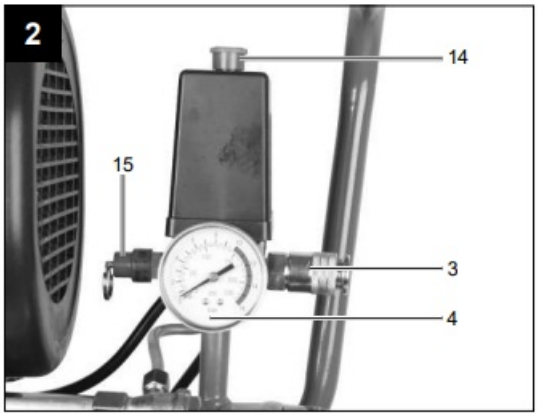
1. Operating the machine without oil will cause irreparable damage and render the warranty invalid.
2. Remove the plastic oil inlet plug on top of the crank box of the compressor casing. (see fig. 7)
3. Check the oil level in the sight glass (fig. 9 pos. 17). The oil level should be in the centre of the red circle. (see fig. 9 pos. 17.1)
4. Attach the closing plug (fig. 8 pos. 12), which is included and pull it tight.

Mains connection

- The compressor is equipped with a mains cable with shock-proof plug. This can be connected to any 230-240 V~ 50 Hz shock-proof socket which is protected by a 16 A fuse.

- Before you use the machine, make sure that the mains voltage is the same as the operating voltage (see the rating plate).
- Long supply cables, extensions, cable reels etc. cause a drop in voltage and can impede motor start-up.
- At low temperatures below +5°C, sluggishness may make starting difficult or impossible.

ON/OFF switch (Fig. 2 Pos. 14
Pull the ON/OFF switch (14) upwards to switch on the compressor. To switch off the compressor, press the ON/OFF switch (14) down.



Setting the pressure switch
The pressure switch (2) is set at the factory.

- Cut-in pressure approx. 6 bar
- Cut-out pressure approx. 8 bar.

Overload protection

- The compressor has an automatic protection against thermal overload. The overload protector is activated at high engine temperature.
- The device is turned off. Re-commissioning of the device can be done only after cooling down.
- Follows after activation:
  Let the unit cool down.

Electrical connection

The electrical motor installed is connected and ready for operation. The connection complies with the applicable VDE and DIN provisions. The customer‘s mains connection as well as the extension cable used must also comply with these regulations.

Damaged electrical connection cable

- The insulation on electrical connection cables is of-ten damaged.
- This may have the following causes:
  - Passage points, where connection cables are passed through windows or doors.
  - Kinks where the connection cable has been im-properly fastened or routed.
  - Places where the connection cables have been cut due to being driven over.

    - Insulation damage due to being ripped out of the wall outlet.
    - Cracks due to the insulation ageing.
- Such damaged electrical connection cables must not be used and are life-threatening due to the insula-tion damage.
- Check the electrical connection cables for damage regularly. Make sure that the connection cable does not hang on the power network during the inspection.
- Electrical connection cables must comply with the applicable VDE and DIN provisions. Only use con-nection cables with the marking „H05VV-F“.
- The printing of the type designation on the connec-tion cable is mandatory.

AC motor

- The mains voltage must be 230 V~
- Extension cables up to 25 m long must have a cross-section of 1.5 mm2.
- Connections and repairs of electrical equipment may only be carried out by an electrician.
- Please provide the following information in the event of any enquiries:
    - Type of current for the motor
    - **Machine data** – type plate
    - **Machine data** – type plate

Cleaning, maintenance, and storage

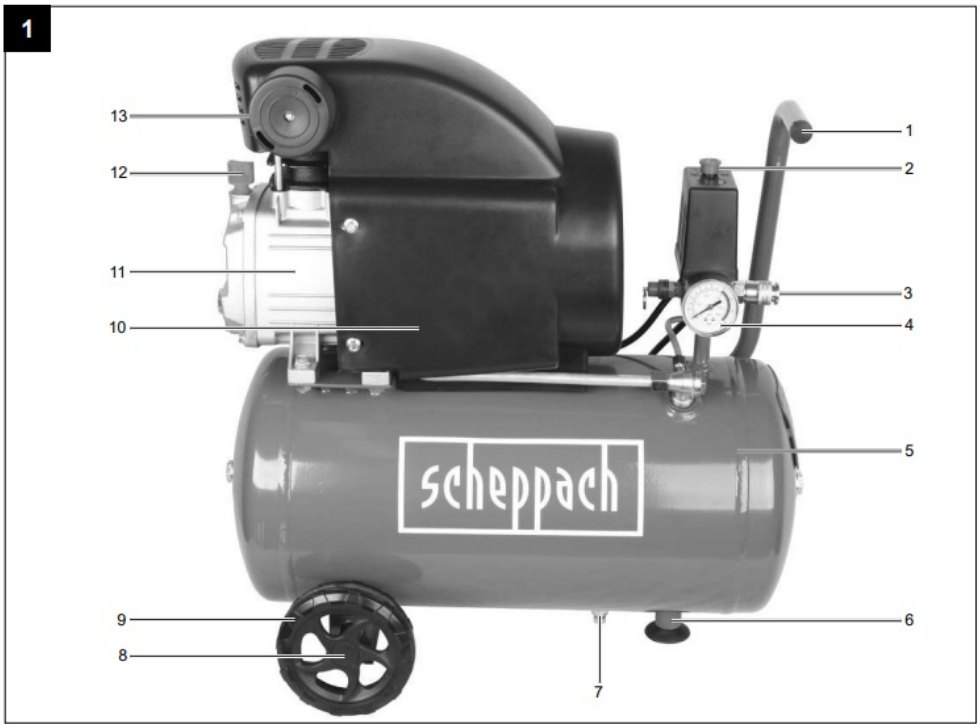
- **Important!**
  Pull out the power plug before doing any cleaning and maintenance work on the equipment. Risk of injury from electric shock!
- **Important!**
  Wait until the equipment has cooled down complete-ly! Risk of burns!
- **Important!**
  Always depressurize the equipment before carrying out any cleaning and maintenance work! Risk of in-jury!

Cleaning

- Keep the equipment free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it down with compressed air at low pressure.
- We recommend that you clean the equipment im-mediately after you use it.
- Clean the equipment regularly with a damp cloth and some soft soap. Do not use cleaning agents or solvents; these may be aggressive to the plastic parts in the equipment. Ensure that no water can get into the interior of the equipment.
- You must disconnect the hose and any spraying tools from the compressor before cleaning. Do not clean the compressor with water, solvents or the like.

Maintenance work on the pressure vessel/condensed water (fig. 1)
Important!
To ensure a long service life of the pressure ves-sel (5), drain off the condensed water by opening the drain valve

(7) each time after using. Release the vessel pressure first (see 10.8). Open the drain screw by turning counter-clockwise (looking at the screw from the bottom of the compressor) so that all the condensed water can run out of the pres-sure vessel. Then close the drain screw again (turn it clockwise). Check the pressure vessel for signs of rust and damage each time before using. Do not use the compressor with a damaged or rusty pres-sure vessel. If you discover any damage, then please contact the customer service workshop.



Safety valve (fig. 2 pos. 15)

The safety valve (15) has been set for the highest per-mitted pressure of the pressure vessel. It is prohibited to adjust the safety valve or remove its seal. Actu-ate the safety valve from time to time to ensure that it works when required. Pull the ring with sufficient force until you can hear the compressed air being re-leased. There lease the ring again.

Checking the oil level at regular intervals (fig. 9)

- Place the compressor on a level and straight surface. The oil level must be between the MAX and MIN marks on the oil level window (17).
- Oil change: we recommend SAE 15W 40 or equiva-lent. The original oil filling must be changed after 100 hours in operation; thereafter the oil must be drained and replaced with new oil after every 500 hours in operation.

Changing the oil (Fig. 9)

- Switch off the engine and pull the mains plug out of the socket. After releasing any air pressure you can unscrew the oil drain plug (18) from the compressor pump.
- To prevent the oil from running out in an uncontrolled manner, hold a small metal chute under the opening and collect the oil in a vessel. If the oil does not drain out completely, we recommend tilting the compres-sor slightly. When the oil has drained out, re fit the oil drain plug (18).
- Dispose of the old oil at a drop-off point for old oil. To fill in the correct quantity of oil, make sure that the compressor stands on an even surface. Fill new oil through the oil filler opening (fig. 8 pos. 12.1) until it comes up to the maximum level. This is marked with a red dot on the oil level window (18) (Fig. 9 pos. 18.1). Do not exceed the maximum filling quantity. Overfill-ing the equipment may result in damage. Reinsert the oil sealing

plug (fig. 8 pos. 12) into the oil filler opening (fig. 8 pos. 12.1).

Cleaning the intake filter (Fig. 11, 12)

- The intake filter prevents dust and dirt being drawn in. It is essential to clean this filter after at least every 300 hours in service. A clogged intake filter will de-crease the compressor's performance dramatically. Open the thumb screw (G) to the remove the intake filter.
- Then pull off the fi lter cover (J). Now you can remove the air filter (L) and the filter housing (K). Carefully tap out the air filter, Filter cover and filter housing. Then blow out these parts with compressed air (approx. 3 bar) and reinstall in reverse order.

Storage

- **Important!**
  Pull out the mains plug and ventilate the equip-ment and all connected pneumatic tools. Switch off the compressor and make sure that it is se-cured in such a way that it cannot be started up again by any unauthorized person.
- **Important!**
  Store the compressor only in a dry location which is not accessible to unauthorized persons. Always store upright, never tilted!

Releasing excess pressure
Release the excess pressure by switching off the compressor and using the compressed air which is still left in the pressure vessel, e.g. with a com-pressed air tool running in idle mode or with a blow-out pistol.

Service information

- Please note that the following parts of this product are subject to normal or natural wear and that the fol-lowing parts are therefore also required for use as consumables.
- Wear parts*: Quick-lock coupling, intake filter
- Not necessarily included in the scope of delivery!

Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equip-ment and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

Old devices must not be disposed of with house-hold waste!
This symbol indicates that this product must not be disposed of together with domestic waste in compliance with the Directive (2012/19/EU) pertaining to waste electrical and elec-tronic equipment (WEEE). This product must be dis-posed of at a designated collection point. This can occur, for example, by handing it in at an authorised collecting point for the recycling of waste electrical and electronic equipment. Improper handling of waste equipment may have negative consequences for the environment and human health due to poten-tially hazardous substances that are often contained in electrical and electronic equipment. By properly disposing of this product, you are also contributing to the effective use of natural resources. You can obtain information on collection points for waste equipment from your municipal administration, pub-lic waste disposal authority, an

authorised body for the disposal of waste electrical and electronic equip-ment or your waste disposal company.

Troubleshooting

Fault	Possible cause	Remedy
The compressor doe s not start.	• No supply voltage. • Insufficient supply voltage. • Outside temperature is too low. • Motor is overheated.	• Check the supply voltage, the power plug and th e socket-outlet. • Make sure that the extension cable is not too lon g. Use an extension cable with large enough wires. • Never operate with an outside temperature of be low +5° C. • Allow the motor to cool down. If necessary, reme dy the cause of the overheating.
The compressor star ts but there is no pre s- sure.	• The non-return valve leaks. • The seals are damaged. • The drain plug for condensation water (9) leaks.	• Have a service center replace the non-return val ve. • Check the seals and have any damaged seals r e- placed by a service center. • Tighten the screw by hand. Check the seal on th e screw and replace if necessary.
The compressor sta rts, pressure is show n on the pressure ga uge, but the tools d o not start.	• The hose connections have a le ak. • A quick-lock coupling has a leak .	• Check the compressed air hose and tools and r e- place if necessary. • Check the quick-lock coupling and replace if ne ces- sary.

ABOUT COMPANY

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Documents / Resources

	scheppach HC26 Compressor [pdf] Instruction Manual 5906135901, 5906135850, HC26 Compressor, HC26, Compressor

References

- scheppach | scheppach