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› Wiltec 27-Piece Pneumatic Tool Set Instruction Manual

WilTec 61871

Wiltec 27-Piece Pneumatic Tool Set Instruction Manual

Model: 61871

INTRODUCTION

This manual provides essential information for the safe and effective use of your Wiltec 27-piece pneumatic tool set. This versatile kit includes an air compressor gun with a filling gauge, a blow gun, a pneumatic impact wrench, a grinder with a clamping jaw, and various practical accessories. Please read these instructions carefully before operating the tools to ensure proper function and safety.

COMPONENTS OVERVIEW

Your Wiltec 27-piece pneumatic tool set includes the following items:

- 1 x Air compressor gun with filling gauge
- 1 x Blow gun
- 1 x 1/2" Pneumatic impact wrench
- 1 x 1/4" Grinder with clamping jaw
- 1 x Compressed air hose (5 m x 5 mm x 8 mm)
- 1 x Clamping jaw
- 5 x 6 mm (1/4") Mounted grinding stones
- 5 x 3 mm (1/8") Mounted grinding stones
- 3 x Sockets (14 mm | 17 mm | 19 mm)
- 1 x Quick connector
- 4 x Quick connectors for air connection
- 2 x Wrenches
- 1 x Plastic case



Figure 1: Overview of the Wiltec 27-piece pneumatic tool set in its storage case.

SETUP

1. Connecting to an Air Compressor

1. Ensure your air compressor is turned off and depressurized before connecting any tools.
2. Attach the compressed air hose to the air compressor's outlet using an appropriate quick connector.
3. Connect the other end of the compressed air hose to the desired pneumatic tool using the provided quick connectors. Ensure all connections are secure to prevent air leaks.
4. Set the air compressor to the recommended operating pressure for the specific tool you are using. Refer to the tool's individual specifications for pressure requirements.

2. Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.
- Never point a blow gun at yourself or others.
- Ensure the workpiece is securely clamped before operating any grinding or impact tools.

- Keep children and bystanders away from the work area.
- Disconnect tools from the air supply when changing accessories, performing maintenance, or when not in use.

OPERATING INSTRUCTIONS

1. Pneumatic Impact Wrench

The impact wrench is designed for tightening and loosening nuts and bolts, particularly useful for tasks like tire changes.



Figure 2: The pneumatic impact wrench and grinder components.

- **Attachment:** Select the appropriate socket (14mm, 17mm, or 19mm) and attach it securely to the square drive of the impact wrench.
- **Direction:** Use the directional switch to select forward (tightening) or reverse (loosening) rotation.
- **Torque Settings:** The impact wrench offers four selectable torque settings: 150 Nm, 200 Nm, 270 Nm, and 312 Nm. Adjust the setting according to the fastener's requirements. For critical applications, always verify torque with a calibrated torque wrench.
- **Operation:** Place the socket firmly onto the fastener. Press the trigger to operate the wrench. Release the trigger to

stop.

2. Blow Gun

The blow gun is used for cleaning parts and components by removing debris such as metal shavings or coolant with compressed air.



Figure 3: The blow gun and tire inflator with pressure gauge.

- **Connection:** Connect the blow gun to the compressed air hose.
- **Usage:** Aim the nozzle at the area to be cleaned. Press the trigger to release a stream of compressed air.
- **Safety:** Always wear eye protection. Never direct the air stream towards skin or clothing.

3. Air Compressor Gun with Filling Gauge (Tire Inflator)

This tool is used for inflating and deflating tires, boats, balls, or air mattresses quickly and easily.

- **Connection:** Attach the inflator to the compressed air hose.
- **Inflation:** Connect the nozzle to the valve of the item to be inflated. Press the trigger to inflate. Monitor the pressure gauge to reach the desired pressure.
- **Deflation:** For deflation, use the pressure release button (if available) or gently depress the valve stem while monitoring the gauge.

4. Pneumatic Grinder

The pneumatic grinder, combined with the included grinding stones, is suitable for various tasks such as polishing, milling, and micro-mechanics. It can be used in model making, circuit board construction, and automotive restoration.

- **Attachment:** Select the appropriate mounted grinding stone (6mm or 3mm) and insert it into the clamping jaw of the grinder. Tighten the clamping jaw securely using the provided wrenches.
- **Operation:** Connect the grinder to the air supply. Hold the grinder firmly and press the trigger to start. Apply gentle, even pressure to the workpiece.
- **Safety:** Ensure the grinding stone is securely fastened before operation. Always wear eye protection and a dust mask.

MAINTENANCE

- **Lubrication:** Apply a few drops of pneumatic tool oil into the air inlet before each use or at regular intervals (e.g., every few hours of operation) to ensure smooth operation and prolong tool life.
- **Cleaning:** Keep tools clean and free from dirt and debris. Wipe down surfaces with a clean cloth. For the blow gun, ensure the nozzle is clear.
- **Air Filter:** Regularly check and clean or replace the air filter on your compressor to ensure a clean air supply to your tools.
- **Storage:** Store the tools in their plastic case in a dry, clean environment when not in use. Disconnect all tools from the air supply before storage.

TROUBLESHOOTING

- **Tool not operating or low power:**
 - Check air supply pressure. Ensure it meets the tool's requirements.
 - Verify all air connections are secure and free of leaks.
 - Ensure the air compressor is turned on and functioning correctly.
 - Apply pneumatic tool oil to the air inlet.
- **Air leaks:**
 - Inspect all hose connections and quick connectors for tightness.
 - Check the air hose for damage or punctures.
- **Tire inflator gauge inaccurate:**
 - Ensure the inflator is properly connected to the tire valve.
 - Compare readings with another known accurate gauge if possible.

SPECIFICATIONS

Feature	Specification
Manufacturer	Wiltec
Model Number	61871
Package Dimensions	41.1 x 30.6 x 11.3 cm
Item Weight	4.88 Kilograms

Power Source	Air-powered
Impact Wrench Torque Settings	150, 200, 270, 312 Nm (4 positions)
Grinder Collet Size	1/4" (6mm)
Hose Dimensions	5 m x 5 mm x 8 mm

WARRANTY AND SUPPORT

Wiltec products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or contact Wiltec customer service directly. In case of technical issues or questions regarding the operation or maintenance of your tool set, please contact the retailer or Wiltec customer support for assistance.