

# Operation Manual

## Professional Grease Gun

61910



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



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[service@wiltec.info](mailto:service@wiltec.info)

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Our postal address is:

WilTec Wildanger Technik GmbH  
Königsbenden 12  
52249 Eschweiler  
Germany

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Returns Department  
WilTec Wildanger Technik GmbH  
Königsbenden 28  
52249 Eschweiler

E-mail: **service@wiltec.info**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15




## Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

This pneumatic grease pump/gun, operated by compressed air, ejects lubricating grease at high pressure. This product stands out due to its reliability, low compressed air consumption, comfortable and easy handling, as well as constant working pressure. It allows to extend the service life of friction parts of heavy machinery, and that is why it is used in the automotive industry, among others.

## Safety precautions

- Carefully read all operating and safety instructions in this manual before use and follow them. Failure to observe the information and instructions contained in these instructions can lead to property damage and personal injury.
- Observe the notes and information attached to the device.
- Keep bystanders and children away from your work area.
- Make sure that your work area is well lit and tidy. A messy and poorly lit workplace increases the risk of accidents.
- Wear appropriate protective equipment while working, e.g., work gloves, non-slip work shoes, protective goggles, and a breathing apparatus.
- Do not use the device if you are under the influence of alcohol, drugs, or medicine.
- Do not modify the device and only use it for its intended purpose. Improper use or modification can lead to property damage and personal injury.
-  **Attention!** Danger of slipping from lubricants. Immediately remove spilled or leaked lubricant and dispose of them properly.
- Due to the use of lubricants, the device is subject to the special requirements of environmental protection legislation. Always dispose of lubricants in accordance with legal regulations.

## Technical data

<b>Compression ratio (without abrasion loss)</b>	50:1
<b>Compressed air cylinder diameter (mm)</b>	70
<b>Max. transmission speed (<math>\frac{1}{\text{min}}</math>)</b>	0.85
<b>Pressure (bar)</b>	8
<b>Gear ratio (mm)</b>	35
<b>Volume (ℓ)</b>	12
<b>Weight (kg)</b>	11
<b>Length of spiral hose (m)</b>	3.8

## First steps

1. Remove the cover of the grease drum and place the thrust washer on the lubricant.
2. Now press the pressure plate down until the resistance makes further pressing impossible. The maximum capacity of the grease pump is 12 ℓ. When filling, make sure that the level mark is not exceeded and that the grease is properly compacted to prevent the formation of bubbles.
3. Insert the grease inlet pipe into the bottom of the housing. Now tighten the locking screw located next to the tank cover.



4. Before commissioning, check all hoses for damage and immediately replace defective or damaged hoses.
5. Then attach the air inlet hose to the quick connector nipple of the grease pump.
6. Connect the grease pump to the grease gun using the appropriate hose. Make sure that all connectors are clean and correctly connected before tightening the screws with a wrench.
7. Connect the pump to the compressor and start it. Actuate the pressure regulating valve and make sure that the pressure does not exceed 8 bar.
8. After the pump has been pressurised, it will begin to move up and down and release air through a sleeve.
9. After the movement has come to a standstill, make sure that no grease is leaking anywhere.
10. You can now use the grease gun.

### Important notes

To ensure the longevity of the pump and to achieve optimum and flawless performance, observe the following instructions:

- The compressed air should be filtered to prevent ingress of dirt particles and additional wear of the pump and its parts.
- The pressure under which the device is used should not exceed 8 bar in order not to affect the integrity and longevity of the individual components and hoses.
- When using high-pressure grease hoses, make sure that hoses are neither bent nor squeezed by pulling and tensioning them too hard. If the device is not used, the quick connector nipple should be loosened. You should also operate the grease gun to free the hoses and other components from residual pressure.
- The pump should be lubricated at regular intervals.
- Do not use the machine if the grease level is too low as this may cause overheating and damage to the piston and other parts.
- Clean the pump regularly and remove grease residue. To do this, remove also the grease gun to prevent possible damage. For cleaning the grease channels only use a cleaning oil and make sure that the grease in the storage tank of the pump is free of impurities.

### Troubleshooting

Problem	Possible causes	Solution
The lubricating grease is not pumped properly	Loose loading bar	Re-attach the loading board.
	Grease inlet contaminated	Locate and remove the dirt.
	Grease too viscous	Change the lithium grease seasonally: <ul style="list-style-type: none"> <li>• 1–2× in winter,</li> <li>• 2× in spring,</li> <li>• 2× in autumn, and</li> <li>• 2–3× in summer.</li> </ul>
	Valve contaminated	Remove the dirt.
	Not enough grease in the container	Fill up the grease.
Pressure loss	Valve seals wear	Replace the seals.
	Loose sliding shoe or locking plate screws	Locate and fix the loose parts.
Insufficient grease release pressure	Parts of the output hose blocked	Find and clean the blocked areas.



	Partial blockage of the fat channel within the fat gun	Find and clean the blocked areas.
	Two one-way valves contaminated	Remove the plunger and clean the grease gun.
	Area between stop valve and inlet valve blocked	Dismantle and clean the valves.
Grease escapes with air released	A V-type gasket leaking	Replace the gasket and clean the dirty environment.
Grease escapes from the rotating part of the grease gun	Butyl rubber sealing ring leaking	Replace the gasket and clean the dirty environment.

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