

### PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Mobile Grease Pump Unit

**Product Use:** Mobile grease dispensing kit

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**Company Information:** Sudheimer Car Technik Vertriebs GmbH

**Address:** Feldstrasse 154, 22880 Wedel, Germany

**Information telephone :** +49 (0) 4103 1211 118

**Emergency telephone :** +49 (0) 4103 1211 0

**E-mail :** info@sct-germany.de

**Fax :** +49 (0) 4103 1211 116

### Safety Warnings and Precautions

**WARNING:** When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

- 1. Keep work area clean.** Cluttered areas invite injuries.
- 2. Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted. Do not use electrically powered tools in the presence of flammable gases or liquids.
- 3. Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- 4. Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- 5. Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- 6. Dress Properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- 7. Use eye and ear protection.** Always wear ANSI approved impact safety goggles. Wear an ANSI approved dust mask or respirator when working around chemical dusts and mists.
- 8. Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- 9. Maintain tools with care.** Inspect tool cords and hoses periodically and, if damaged, have them replaced, or repaired by an authorized technician. The handles must be kept clean, dry and free from oil and grease at all times.
- 10. Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before operating.
- 11. Avoid Unintentional Starting.** Be sure the air pressure is in the off position when not in use and before making hose connection.

- 12. Stay alert.** Watch what you are doing,use common sense.Do not operate any tool when you are tired.
- 13. Check for damaged parts.** Before using any tool,any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function.Check for alignment and binding of moving parts;any broken parts or mounting fixtures;and any other condition that may affect proper operation.Any part that is damaged should be properly repaired or replaced by a qualified technician.Do not use the tool if any control or switch does not operate properly.
- 14. Replacement parts and accessories.** When servicing,use only identical replacement parts.Use of any other parts will void the warranty. Only use accessories intended for use with this tool.
- 15. Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgement or reflexes are impaired while taking drugs.If there is any doubt,do not operate the tool.
- 16. Maintenance.** For your safety,service and maintenance should be performed regularly by a qualified technician.
- 17. Pacemaker safety warning.** People with pacemaker should consult their physician before using this product.Eletromagnetic fields in close proximity to a heart pacemaker could cause interference to,or failure of the pacemaker.In addition,people with pacemaker should adhere to the following:

Caution is necessary when near the coil, spark plug cables or distributor of a running engine.The engine should always be off if adjustments are to be made to the distributor.

Note: Performance of this tool may vary depending on variations in air pressure and compressor capacity.

## **PRODUCT SPECIFIC SAFETY PRECAUTIONS**

This equipment is designed be operated by qualified personnel.It should only be operated after reading and understanding the safety warnings and operating precedures in this instruction manual.

- 1.** Do not smoke near this equipment
- 2.** Use in a well ventilated area.
- 3.** Making sure no water vapour enter unit from air compressor
- 4.** When leaks are found in the equipment or hoses, immediately turn the air pressure off and repair the leaks.
- 5.** Do not exceed the recommended operating air pressure.This could damage equipment.See specification on Page 5
- 6.** Keep a type ABC fire extiguisher nearby in case of fires
- 7.** Always protect your skin and eyes from contact with grease.

**Technical Data:**

1. Duty of Trolley: 20-60kgs
2. Inner Diameter of Grease Tank: 385mm
3. Follower Plate Diameter: 370mm
4. Grease Outlet Pressure: 25-30 Mpa (3,575~4,290PSI)
5. Air Pressure: 0.5-0.6Mpa ( 71.5~85.8PSI)
6. Pump Ratio: 50:1
7. Size of Pipe: 1/2”(outside dia.), 2meter length

Feature:

Power from Air Compressor which is safe, environmental-friendly, free of spark.

Operation:

**Preparation**

1. Put grease tank on the trolley
2. Put the pump, upper cover with follower plate into the grease tank, slowly in 20~30° gradient
3. Making sure close connection between grease and rubber plate.
4. Screw on the fastener (both on the follower plate and handle bar) with grease tank in order to fix
5. Take the upper cover up Fill the grease into tank
6. Put the upper cover down in a straight vertical direction. Until the oil inlet of pump reaching the bottom of tank.
7. Screw the nuts tightly.
8. Now it is ready for filling grease

**Grease Filling**

1. Connect the air inlet with air compressor.



2. Aim the grease filling gun at the right point.
3. Shooting gradually according to the amount of grease required.
4. Turn off the air compressor, remove the pipe on the machine
5. Clear the grease filling gun, also working area.

**WARNING:**

1. NEVER CONNECT WITH AIR COMPRESSOR EXCEPT WORKING TASK.
2. NEVER AIM THE GUN TO PEOPLE, ANIMALS AND ETC. TO AVOID INJURED AND DAMAGED. AS THE PRESSURE WITH FULL GREASE CAN BE REACHED TO 4290PSI (300KGS/CM<sup>2</sup>)

**Maintenance:**

1. Always adding some lubricating oil on movable body of the pump.
2. Making sure no water vapour enter the machine from air compressor

**Troubleshooting:****1. Grease can not be sprayed out from gun**

Check the density of grease, if too much high of the density, fill suitable amount of engine oil to mix together.

If normal level of the density, check with rubber seal for any damage or not.(As impurities in grease will cause damage of the rubber seal)

**2. Pump can not work**

Check pressure reached working pressure or not.

Check any impurities in grease inlet/valve or not.

Check slide flake damaged or not.

Check any leakage or not.

Check density of grease.(If too much high of density, pls mix with some engine oil)

Check lack of grease or not.

**3. Grease Leakage**

Check flake close sealed or not.(remove and shape to fit close)

Check fixed nuts/screw well worked or not.

**4. Lack of grease pressure output**

Check any impurities jammed in the output pipe or not (If so, clear it immediately)

Check any jam in the filled gun and inside manifold (If so, remove and clear it immediately)

**5. Grease Leakage in the movable body of Grease filled gun**

Check any damaged of rubber seal or not(if so, change to a new one).

If any parts damaged, change to a new one immediately.