

# MAGNETI MARELLI

**Mobile grease pump unit for drums 180-200 kg 50:1 grease pump  
940mm,grease gun,with Z-Swivel and 2 m hose**

**User's manual**

**007935017135**

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## 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 safety 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 judgment 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. Electromagnetic 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 procedures in this instruction manual.**

1. The compressed air must be filtered to avoid dust and vapour into pump inside.
2. When leaks are found in the equipment or hoses, immediately turn the air pressure off and repair the leaks.
3. Do not exceed the recommended operating air pressure, max. pressure 8bar/115PSI. This could damage equipment. See specification on Page 6
4. Position the pistol so that the circuit can't open accidentally. Otherwise oil could leak onto the ground.
5. Never point the pistol at people or objects (such as electric boards or moving cars etc.)
6. Open the pistol by press only after you are sure that the pistol is in the right place so that the grease doesn't leak onto the ground.
7. Always cut off the air supply after use so that grease can't leak out in case one of the pump's components breaks.
8. Use only original spare parts in case the pump has to be repaired or its components have to be replaced.
9. When no load, cut off compressed air to stop pump.
10. Do not throw the grease away. Used grease has to be disposed of according to national environmental regulations.
11. The pumps can be used only to deliver grease. Do not use the pump for any other substance. Please contact us if you have any special request.
12. Do not use the pump near open flames. Do not smoke during operation. Use in a well ventilated area.
13. Keep a type ABC fire extinguisher nearby in case of fires
14. Always protect your skin and eyes from contact with grease. (Such as wear oil-proof gloves and etc.)

We keep the right of changing the outside appearance of the products.

**Technical Data:**

1. Pump Ratio: 50:1
2. Power: Filtered Air Compressor
3. Suit For: All kinds of grease
4. Air Pressure: 6-8Bar(85~115PSI)
5. Grease Delivery Speed: 450~700g/Min.
6. Length of Pump: 940mm/37inch
7. Air Inlet Connection: 1/4" quick plug
8. Max. Duty/Load of Trolley: 220Kgs

**Description:**

Power from Air Compressor which is safe, environmental-friendly and free of spark. Grease pump can be used to transfer grease only. Rigid tube and manual tip, easy operation.

**Operation:****Preparation**

1. Unscrew the clip from the unit(No.10 of page 5)
2. Put the grease drum on the trolley.(Max.220kgs)
3. Closely tighten the clip with the edge of grease drum, in order to make grease drum be stable on the trolley.
4. Insert the suction tube of pump into the drum and fix the pump with follower plate by tighten the ring nut(No.6 of page 5)
5. Connect the grease delivery tube with the grease outlet of the pump ready.
6. Connect air compressor (to be supplied by customer) with Air Inlet (1/4") of Pump.
7. A cut-off cock in order to enable the operator to stop the pump at any given moment by cutting the air supply off between the pump and the compressed air line.
8. Now it is ready for grease filling by switch on all cocks.

**Attention: Please do not exceed the max. air pressure:115PSI.**

## **Grease Filling**

1. Aim the pistol to the correct point.
2. Switch on all the cocks and press the knob on the delivery pistol to begin grease delivery.
3. When reaching your required quantity, then stop oil filling by releasing the knob on the delivery pistol. But the whole system remains under pressure. Well position the pistol knob so that the circuit can't open accidentally. Otherwise grease could leak onto the ground.
4. Close all the switches and put pump, pipe and gun back to original place.



### **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 4285PSI(300KGS)**

### **Maintenance:**

1. The dust in compressed air can slow down and even block the motor cylinder. The following steps may to prevent this from happening:
  - a. Let in 50 grams of Vaseline oil or other lubricator from the air inlet hole weekly operate the pump for several minutes after having let it into the pump.
  - b. Turn on the pump for several minutes until moving parts is fully lubricated.
  - c. You may repeat the above operation if necessary.
  - d. The above steps should be carried out on a weekly base.
2. Making sure no water vapor enter the machine from air compressor. For the pumps that are attached with compressed air treatment equipment, please clear the water retained in the reservoir of the filter-purger frequently.
3. For the pumps that are attached with a lubricator, please pay close attention to the lubricator's oil level and refill with SAE 20, SAE 30 or antifreeze oil for extreme conditions when necessary.
4. The user should perform only routine maintenance operations (such as filters, silencers, cleaning and etc.) with the pump in order not to damage it or compromise its safety. Contact

our sales and assistance centers OR local distributors should the pump need any further maintenance.

### **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.(If lack of grease, add more)

#### **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)

If any parts damaged, change to a new one or contact with the distributor immediately.

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