

MAGNETI MARELLI

Mobile grease pump unit for drums 20-60kg (grease pump 50:1
480mm, grease gun, with Z swivel and 2 m hose)

Manual

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Safety warning and precautions

WARNING: Basic precautions for safety must be followed while using the tools to minimise the risk of personal injury and equipment damage.

- 1. Keep your workplace clean.** Dirty area may result in personal injury.
- 2. Follow conditions in your workplace.** You must not use machines or mechanical tools in damp or wet areas. Do not expose to rain. Keep proper lighting in your workplace. You must not use machines or mechanical tools in case of occurrence of combustible gas or liquid.
- 3. Do not allow children to stay in your workplace.** You must not allow children to stay in your workplace. You must not allow to operate machines, use tools or adapters.
- 4. Keep equipment in inactive state.** When the tools are not use, to avoid corrosion, must be stored in dry place. Tools must be stored closed and protected against reach of children.
- 5. You must use proper tools for your work.** Do not try to use a small tool or attachment to do work requiring a bigger industrial tool. There are some solutions for which a given tool was designed. It will perform work better and more safely at speed it was designed for. Do not make any modifications of this tool or do not use it for purposes for which it was not designed.
- 6. Wear proper clothing.** You must not wear loose clothes or jewellery, because they can be caught by moving parts. During work it is advisable to wear non-conducting, protective clothing and non-slip safety boots / shoes. You must wear safety headwear to cover long hair in it.
- 7. You should wear eye and ear protection.** You should always wear safety spectacles protecting against flying objects, certified by ANSI. During work in dust and chemically active fog you should wear a face mask or air-purifying respirator, certified by ANSI.
- 8. Do not lean over a machine.** You should always have safe support and maintain balance. You must not try to reach over- and cross working machines.
- 9. Care about machines.** You must regularly check cords and elastic hoses of tools and in case of their damage replace or repair by authorised technician. Handles should be clean, dry and without oil or grease.
- 10. Remove regulatory spanners and body wrenches.** Before operations, check if regulatory

spanners and body wrenches are removed from a machines or working machine area.

- 11. Avoid accidental start-up.** When compressed air is not used and before connecting hoses, it is necessary to make sure if compressed air regulators are set in the shut off position (OFF).
- 12. Stop alarm.** Mind what you do, use common sense. Do not operate any device when you are tired.
- 13. Check if there are no damaged parts.** Before using any device, any part which seems damaged, should be carefully checked, to define if it may be property exploited and do tasks designer for it. Check both the setting and connections of movable parts; the occurrence of any broken parts or assembly elements; as well as the occurrence of any conditions, which may have a negative impact on appropriate functioning of a device. Any part, which is broken, should be appropriately repaired or replaced by a qualified technician. You must not use a device if any control element or a switch does not work properly.
- 14. Replacement of parts and accessories.** While servicing, you should use only identical spare parts. Using any other parts will cause warranty void. You should use only the accessories designed to be used with this tool.
- 15. You must not use devices if you are under the influence of alcohol or medicines.** If your medicine is prescribed, read warning labels to define if your estimates or reflex do not get worse while taking it. If there are any doubts, you should not operate a device.
- 16. Maintenance.** For your own safety, service and maintenance should be regularly conducted by a qualified technician.
- 17. Safety warning for people using a cardiac pacemaker.** Before the use of a product by people with a cardiac pacemaker, they should consult a doctor. Electromagnetic fields near a cardiac pacemaker may cause disturbances in the functioning or failure of a cardiac pacemaker. In addition, people using a cardiac pacemaker should follow these pieces of advice:
 - Caution is necessary, when the people are close to coils, HT leads or power-split cables of a working engine. If any regulations are to be done with a power-split cable, an engine should always be switched off.

Attention: Performance parameters of this machine should be changed depending on compressed air pressure and compressor capacity.

Safety precautions characteristic for a product.

The equipment was designed for operations by qualified personnel. It should be exploited only after reading and understanding safety warnings and operation procedures provided in this manual.

1. Compressed air must be filtered to avoid forcing in dust and fumes.
2. When the outflow of compressed air takes place in the equipment or in hoses, you must immediately close air inflow and make repairs.
3. You must not exceed recommended operating pressure of compressed air, max. pressure amounts to 8 bars / 115 PSI. It may cause equipment failure. See Technical details on page 6.
4. Place grease gun so that an accidental opening of a circuit may not be possible. Otherwise oil will be flowing out onto the ground.
5. You should not direct grease gun towards people or objects (such as electrical switchboards or moving vehicles (trolleys) etc.)
6. Grease gun should be opened by pressing a release, after making sure that it is in a proper position, so that grease will not be flowing out onto the ground.
7. After using a grease pump, you must always shut down supply with compressed air so that grease will not flow out in case when one of the elements of a grease pump gets damaged.
8. In case when a grease pump must be repaired or its parts are to be replaced, you must always use only original spare parts.
9. When a grease pump is not loaded, you should shut down supply with compressed air to stop the grease pump.
10. Do not spill grease around you. Used grease must be utilised in accordance with the requirements of national regulations related to environment protection.
11. Grease pumps may be used only to provide grease. You must not use a grease pump for any other substances. If you have any special questions, please contact us.
12. You must not use a grease pump close to open fire. You must not smoke while the device is operating. Use this device in a well-ventilated room.
13. In case of fire you must be equipped with a fire extinguisher ABC type.
14. You should always protect your skin and eyes against contact with grease (These may be, e.g. oil proof gloves, etc.)

We reserve the right to change the appearance of our products.

Technical data

1. Degree of compression: 50:1
2. Drive: filtered air compressor
3. Suitable for: all kinds of grease
4. Pressure of compressed air: 6-8 bar (85~115 PSI)
5. Delivery of grease supply: 450~700 g/min.
6. Length of grease pump: 940 mm /37 inches
7. Air stub pipe: 1/4 inch – quick connectors
8. Max. load capacity / trolley load: 220 kg

Description

Drive from air compressor, which is safe, environmentally friendly and does not generate sparks. Grease pump may be used only to deliver grease. Rigid pipe and manual end, easy use.

Operation:


Preparation

1. Turn on a clamp from a machine (No 10 on page 5).
2. Place a drum on a trolley (max. 220 kg).
3. Strongly tighten a clamp on the edge of a grease drum to provide stability of a grease drum on a trolley.
4. Put a suction line into a drum and fasten a pump to a plate clamp, tightening a castellated nut. (No 6 on page 5).
5. Connect a grease delivery cable with a down-leg snorkel of grease for a prepared grease pump.
6. Connect a filtered air compressor (it should be delivered by a client) with an up-leg air snorkel (1/4 inch) of a grease pump.
7. It is advisable to install a manual cut-off valve to enable an operator stopping a pump at any moment through cutting off supply with air, between a pump and a line of compressed air.

8. Now a grease pump is ready to deliver grease by switching on all valves.

Attention: Please do not exceed max. pressure: 115 PSI.

Filling grease

1. Direct grease gun into a proper point.
2. You should turn on all valves and press a feeding gun to  start delivering grease
3. After reaching a desired amount, you should stop filling se by freeing a release in a feeding gun. But the entire system is under pressure. Properly place a gun release so that an accidental opening of a circuit will not take place. Otherwise grease will be leaking out onto the ground.
4. Shut down all switches and place a pump and a gun in its initial place.

WARNING:

1. **YOU MUST NOT CONNECT AIR COMPRESSOR EXCEPT FOR YOUR NEED TO PERFORM A TASK.**
2. **DO NOT EVER DIRECT A GUN TOWARDS PEOPLE, ANIMALS, etc. TO AVOID PERSONAL INJURIES AND DAMAGE, BECAUSE PRESSURE OF A GUN FILLED UP WITH GREASE MAY REACH 4285 PSI (300 kG/cm²).**

Maintenance

1. Dust in compressed air may cause slowing down or blocking an engine cylinder. The following steps may be helpful not to make it happen:
 - a. Once a week put 50 grams of white paraffin oil or other grease substance from the side of an in-flow opening and start-up a pump for several minutes to make it get into the centre of a pump.
 - b. Start-up a pump for several minutes until all parts are fully greased.
 - c. When required, you can repeat this operation.
 - d. The above steps should be done once a week.
2. Make sure that steam does not pass from air compressor into a machine. With pumps having a set of treating compressed air attached, we ask to remove water accumulated in a tank of

air-purifying filter more frequently.

3. With pumps having a grease gun attached, we ask to pay attention to a grease gun oil level and when required refill with oil of SAE 20, SAE 30 type or in case of extreme temperature conditions, with antifreeze liquid.
4. The user should conduct operations of current maintenance (such as maintenance of filters, noise suppressor, clearing, etc.) of a pump to avoid damage or provide its safety. If a more detailed maintenance of a pump is required, we ask to contact our points of sale and customer support OR with our local distributors.

Diagnostics of defects:

1. You must not spray grease from a grease gun

Check grease density, if it is too high, you should pour suitable amount of engine oil to mix them together.

If density level is normal, you should check rubber sealings for damages. (Because impurities in grease may destroy rubber sealings).

2. Pump cannot work

Check if operating pressure is reached or not.

Check if any impurities appear on a stub pipe / grease inlet valve.

Check if a slide strap in a pump is not destroyed.

Check if any leakages do not appear.

Check grease density. (If it is too high, you should pour suitable amount of engine oil to mix them together).

Check if grease is not deficient. (If it is, add more grease).

3. Grease leakage

Check if a slide strap is sealed or not. (Take out and form to fit and provide tightness).

Check if nuts / clamping screws work properly or not.

4. Lack of grease on pressure stub pipe

Check if any impurities are not blocked in an outlet pipe (If so, you should remove them immediately).

Check if any impurities are not blocked in a dose collector (If so, you should remove them immediately).

If any parts are damaged, you must replace them with new ones or immediately contact a distributor.

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