

Pneumatic Grease Pump Manual

The Parts of Pneumatic Grease Pump

- (1) Pneumatic grease pump.
- (2) Air pressure regulator. (Set to 70~100 PSI)
- (3) Grease hose. (It has two layer of steel wire mesh.)
- (4) Grease nozzle.
- (5) Grease drum cover.
- (6) Iron plate edge rubber.
- (7) Screws package. (for the cover & plate)

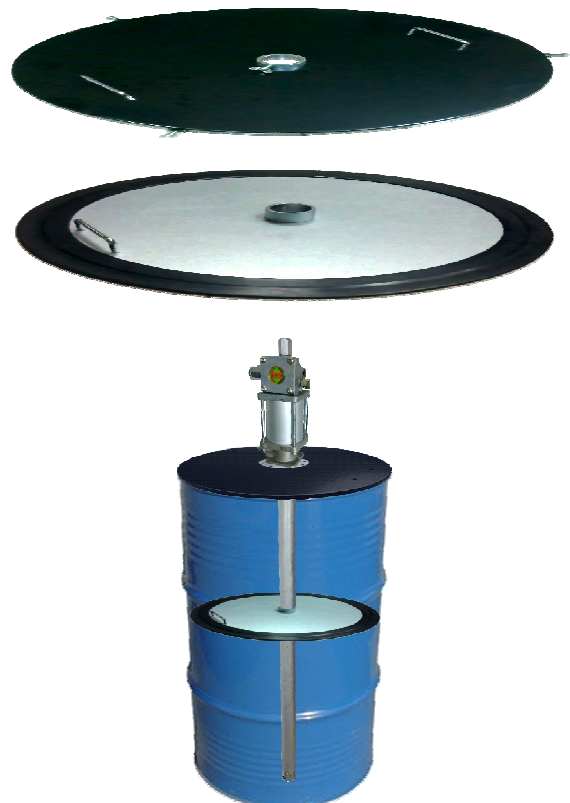


NOTE

- 1. Avoid the air pressure exceeds 100 psi.
- 2. Avoid the grease pump falling to the ground.
- 3. Avoid sand, small stone, wire fall into the grease drum. This accident often happens when the grease drum is replaced. Please keep around the grease drum clean and tidy. The steps and precautions for replacing a new grease drum will be described in detail later.

Installation Steps

- 1. Open the screws package (7).
- 2. Installation two handlebars and four screws to the iron plate edge rubber (6).
- 3. Others screws will be used in grease drum cover (5).
- 4. Open the grease drum.
- 5. Put the plate (6) into the grease drum. Please check the plate (6) isn't any sand, stone, wire.
- 6. Place the cover (5) on the grease drum and fix it.
- 7. Put inside the pump (1).



8. Connect the pump (1), air pressure regulator (2), grease hose (3), grease nozzle (4).

9. Close the air intake valve. (that is between pump and regulator)

10. Connect the air hose to the air pressure regulator (2).

11. Check the air intake valve is close and the pump isn't work now.

12. Setting the air pressure to 90 PSI.

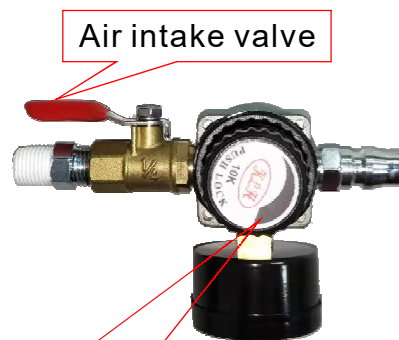
12.A. Check the top cover can be rotated. If can't then pull up the top cover.

12.B. See the picture on the top. Clockwise is to upper the pressure. Counterclockwise is to lower the pressure.

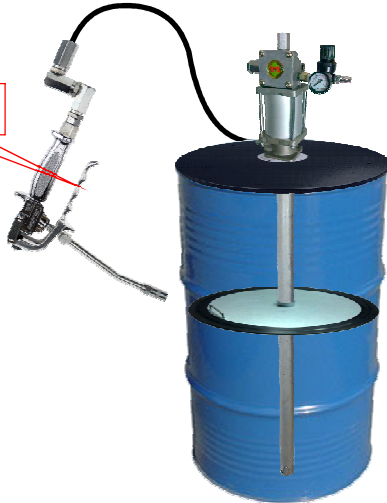
12.C. Setting the air pressure to 90 PSI.

12.D. Press down the top cover.

13. Open the air intake valve. Now the pump is working.



Trigger



14. Remove the air of inside the grease hose (3). Press hold the trigger of grease nozzle (4) until the grease out from the nozzle. Maybe you need hold it five minutes. The longer hose, the longer time. This time you can feel more and more grease inside the hose that become heavier.

15. Now you can use it normally. Please read SOP before use.

16. If you can't feel more and more grease inside the grease hose. Please refer to troubleshooting below.

TROUBLESHOOTING

If You can't feel more and more grease inside the hose when you install the new pump.

A. You need remove the air more than five minutes.

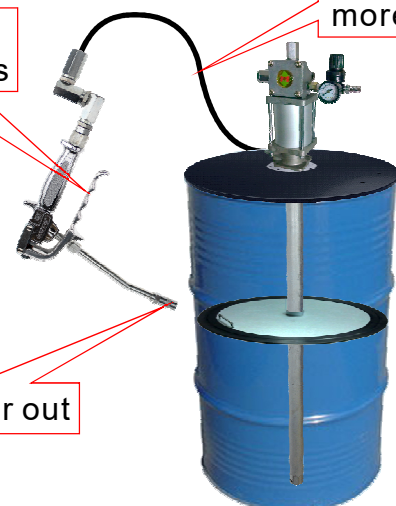
1. Check the pump is working.

2. You press hold the trigger of grease nozzle more than five minutes.

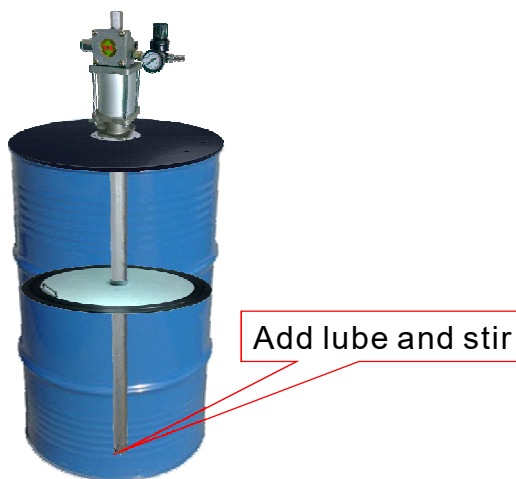
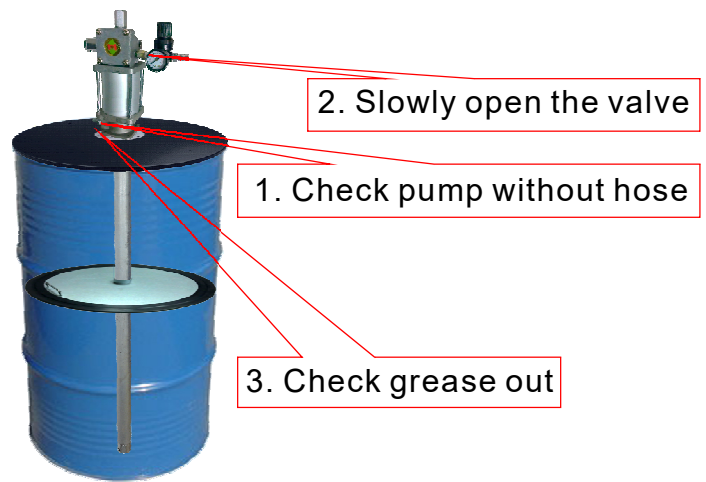
1. Hold five minutes

2. More and more grease

3. Keep air out

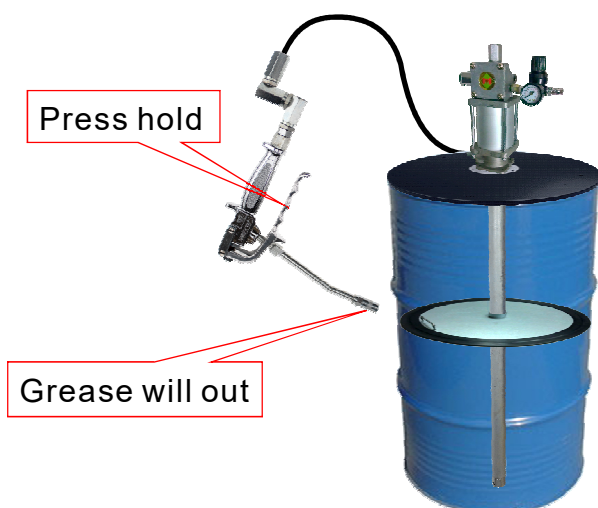
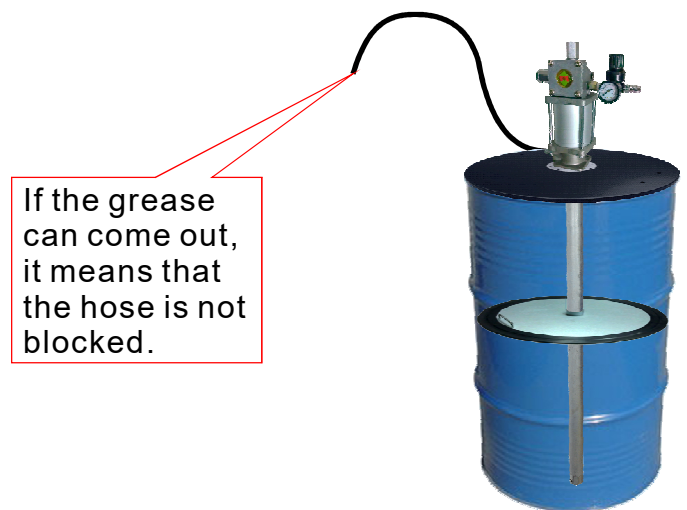


- B. We need to check the pump first.
3. Close the air intake valve to stop the pump.
4. Press the trigger to release the internal pressure.
5. Separate the pump, hose, nozzle.
6. Slowly open the air intake valve until the pump starts to work slowly. And then check for grease coming out of the pump outlet. If no grease coming out, then open the air intake valve a little more, and the pump can be faster.



- C. Maybe the grease is too thick, if still no grease coming out after three minutes.
7. Please heat the grease to 20 degrees C. And stir the grease.
8. Add some lube oil, and stir around the inlet at the bottom of the pump.
9. Put some heavy objects on the iron plate edge rubber.
10. Usually, this problem can be eliminated by adding lubricating oil and stirring. If it still no grease coming out from the pump outlet. Please send it back to the factory.

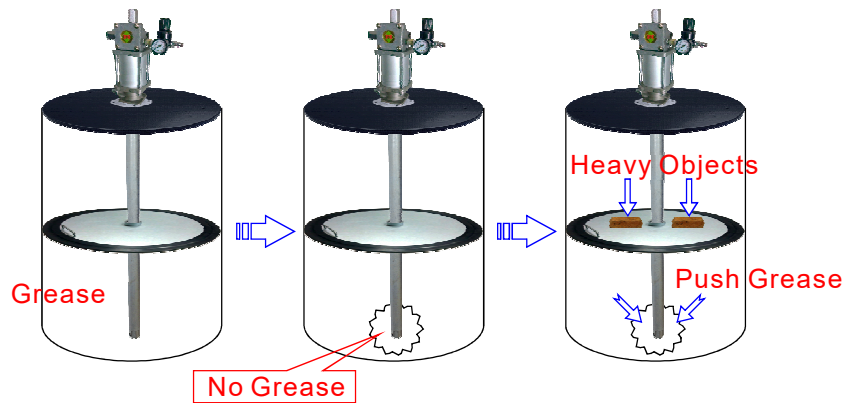
- D. The pump is OK if you see grease coming out of the pump outlet.
11. Close the air intake valve to stop the pump. And connect the grease hose.
12. Open the air intake valve. Let the pump work for about five minutes until you find the grease coming out of the hose end. This step is to check whether the hose is blocked. In the process, you will feel the hose is getting heavier and heavier.



13. Close the air intake valve to stop the pump. And connect the grease nozzle.
14. Open the air intake valve and press hold the trigger of grease nozzle about a minute until the grease out from the nozzle.
15. The above steps are to check which part has a problem. Check the grease pump, the grease hose, the grease nozzle. If you find any blocked, please contact the manufacturer.
16. Now you can use it normally. Please read SOP before use.

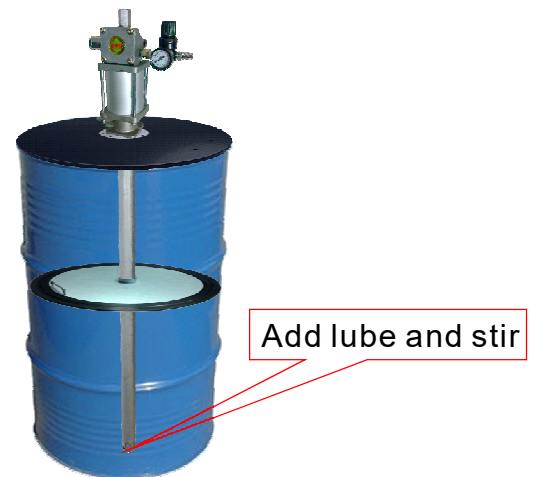
The pump can't stop after you let go of the trigger. And you could use it normally a while ago.

1. Check the grease drum is enough. If not enough, please refer to SOP. (D. Replace a new grease drum.)
2. Maybe the grease is too thick. You can heat the grease to 20 °C . And stir the grease.
3. And Add some lube oil, and stir around the inlet at the bottom of the pump.
4. And Put some heavy objects on the iron plate edge rubber.
5. Usually, this problem can be eliminated by adding lubricating oil and stirring. If it still can't stop. Please send it back to the factory.



When you feel that the pump is slower and slower.

1. Check the air intake valve is fully open. Check the air pressure range of 70 ~ 100psi.
A. As a result, the pump speed may slow down. The grease is too sticky. The environment is become cold. The grease hose is too long. The grease hose is blocked.
2. If the grease is too sticky, add lube and stir.
3. The lower the temperature, the thicker the grease. Heating can solve this problem.
4. The longer the grease hose, the slower the pumping speed, and easier to block. It is recommended that the length of tubing should not exceed 20 meters. If it needs to be more than 20 meters, it needs to use high-pressure and large-diameter iron pipe connection in the middle. Avoid the total length of the hose exceeding 20 meters.



- B. Maybe the muffler of the pump is blocked.
5. Remove the muffler.
6. If the pump speed is obviously faster, then the muffler is blocked.
7. Try cleaning the muffler. Or replace it with a new one. Or no muffler. Or make a hole in the muffler.

C. Maybe the grease nozzle is blocked.

8. Closing the air inlet valve. And press the trigger of grease nozzle to release the internal pressure. And then separate the grease nozzle.

9. Slowly open the intake valve until it is fully open. (Remember to use the container to catch the grease from the hose end.)

10. If the pump speed is obviously faster, then the grease nozzle is blocked. Please replace it with a new one.

D. If it's not the problem with the grease nozzle. It may be that the grease hose is blocked.

11. Close the air intake valve. And then separate the grease hose and the pump.

12. Slowly open the intake valve until it is fully open. (Remember to use the container to catch the grease from the pump outlet.)

13. If the pump speed is obviously faster, then the grease hose is blocked. Please replace it with a new one.

D. Check the grease hose

C. Check the grease nozzle



The pump does not work when press hold the trigger.

1. Check the air intake valve is fully open. Check the air pressure range of 70 ~ 100psi.
- A. The pump may be stuck.
2. Remove the air hose. Open the air inlet valve to release the air pressure of the pump.
3. Open the hexagon screw at the top of the pump.
4. Try pressing the inner cylinder down to the bottom. Or pulling it up to the end.
5. Put the hexagon screw back. Connect the air hose. And open the air intake valve.
6. At this time, the pump will work when you press the trigger.



B. Check the grease pump.

7. Remove the air hose. Open the air inlet valve to release the air pressure of the pump.

8. Remove the grease hose.

9. Close the air inlet valve. And connect the air hose.

10. Slowly open the air inlet valve until the pump works or the valve is fully open. If the pump is working normally, then do following step (C). If not then do following step (D).

2. Slowly open the valve

1. Check pump without hose

3. Check grease out



C. If the pump is working normally, it means that the grease nozzle or grease hose is completely blocked.

11. Close the air intake valve. Connect the grease hose, and remove the grease nozzle.

12. Open the air intake valve. If the pump does not work, it means that the grease hose is blocked, please replace it with a new one.

13. If the pump work, and the grease flows from the end of the hose. It means the grease hose isn't blocked.

14. Close the air intake valve. And connect the grease nozzle.

15. Open the air intake valve. And press hold the trigger. If the pump does not work, it means the grease nozzle is blocked. please replace it with a new one.



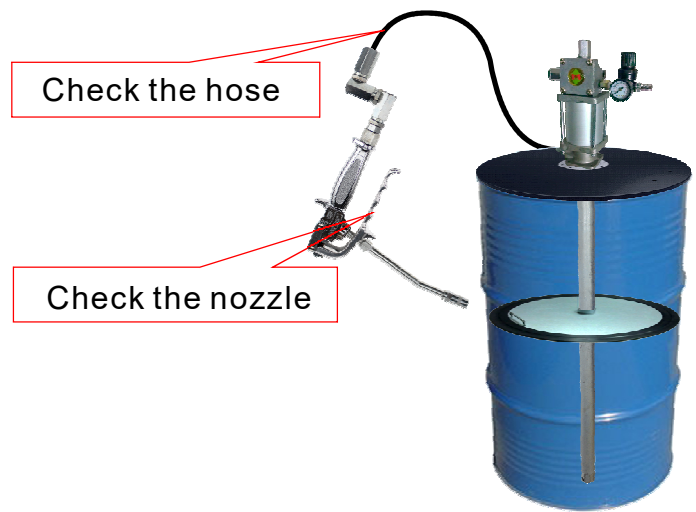
Check here and lock it

Standard Operating Procedure

A. Stop the Grease Pump. (if not used for next eight hours)

1. Close the air intake valve.

2. Press the trigger of grease nozzle to release the internal pressure.



Check the hose

Check the nozzle

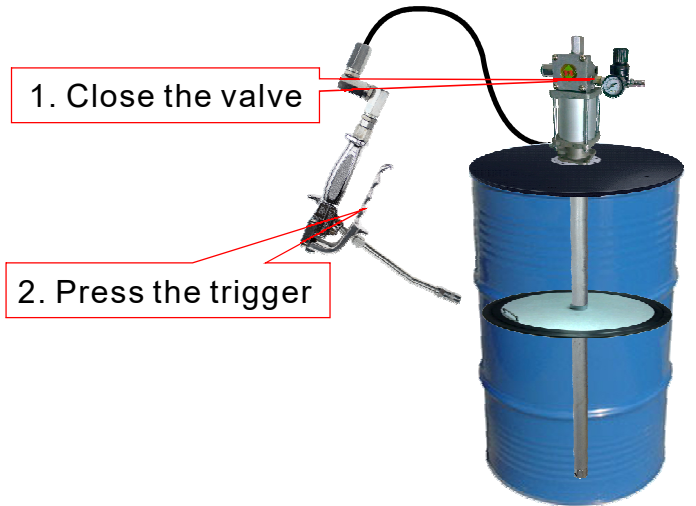
D. If the pump still does not work.

16. Remove the pump from the grease drum. (Avoid the grease inlet gets dust, sand, or small stone.)

17. Check the grease inlet is loose and can be rotated.

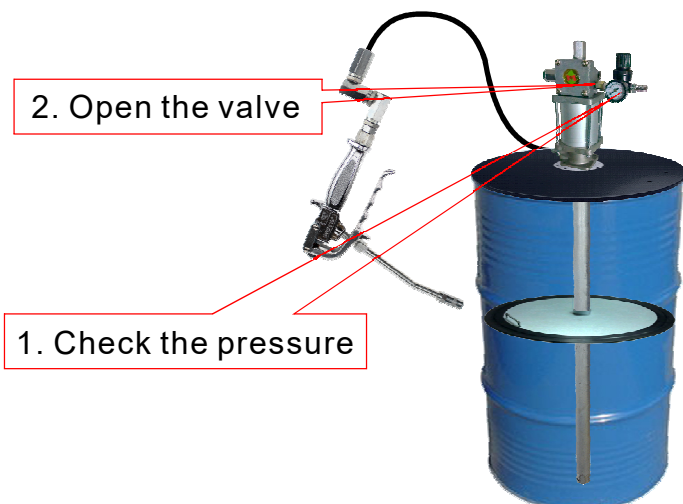
18. If it can be rotated. Please lock it clockwise.

19. Connect the air hose and open the air intake valve. If the pump still no work, please change a new one or return to factory for repair.



1. Close the valve

2. Press the trigger



2. Open the valve

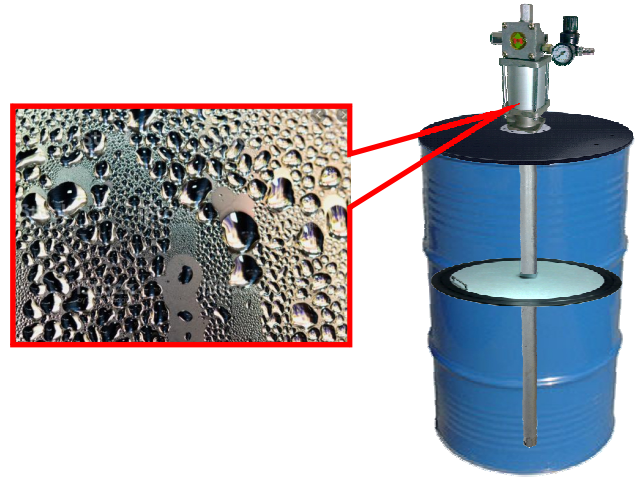
1. Check the pressure

B. Start the Grease Pump.

1. Check the air pressure (70~100 PSI). If you don't know how to set the air pressure, you can refer to the installation steps (12).

2. Open the air intake valve.

C. Long term use of the pump will find that the pump surface condenses water drops. This is normal. Please use a towel under it. Avoid grease contamination by water drops.



D. Replace a new grease drum.

1. Prepare a new grease drum.
2. Prepare some clean cardboard. (The pump, the cover, the plate will be placed on it.)
3. Close the air intake valve. And separate the air hose.
4. Separate the grease hose and place it on the cardboard. (Avoid it get dust, sand, or small stone.)
5. Separate the pump from the grease drum. And place the pump on the cardboard.
6. Separate the cover and plate from the grease drum. And place on the cardboard.
7. It's very important here. The some grease in the old grease drum. If you want put them to the new grease drum. You need a clean tool. In the process avoid the grease get dust, sand, or small stone.
8. Separate the cover and plate from the grease drum. And put its to the new grease drum.
9. Put inside the pump.
10. Connect the grease hose. And then connect the air hose.
11. Open the air intake valve. Under normal conditions, the pump should stop within a minute.
12. If the pump cannot be stopped. Please refer to the troubleshooting. (The pump can't stop after you let go of the trigger. And you could use it normally a while ago.)

