

Note

- ★ Before using the machine, all parts should be checked is firmly connected.
- ★ Slurry can not contain sand , it will affect the life of the machine。
- ★ Outdoor use in winter, the temperature below zero, the use of time not too long. Please finish Configured slurry at once.
- ★ After use, please clean the machine and lines timely.
- ★ Regularly clean the cement slurry of the pump body , to prevent the cement solidification, affect the use of machine。
- ★ During the work process, piston should add oil every day. If the machine is long-term without work, please add lubricating oil maintenance.

Thank you for using our Piston Manual Grout Pump MG-808。 Due to constantly improve and perfect our products in some parts of this manual and physical description or picture may be somewhat different, please understand.

If you have a good proposed changes, please contact us, or send an email to yujunliu2003@hotmail.com。



Piston Manual Grout Pump MG-808 instruction manual

一、Description

The MG-808 is a hand-operated, positive piston pump designed to pump a wide variety of low-viscosity and good fluidity slurries, especially for grouting cement mortar and chemical pulp.

It's mainly used in coal mine areas where requiring explosion-proof, also in power and transportation inconvenient places such as tunnel, mine and roads.

二、Features

1. No electricity, small size, light weight, easy to move.
2. Simple structure, durable, easy to operate and maintain.
3. Manual operation, high grouting pressure, the speed and flow is free to control.

三、Performance

item	value
Output	6-10L/min
Pressure	0-1.0MPa
Outlet diameter	25mm
Inlet diameter	25mm
Weight	45kg
Dimensions (L × W × H)	1250mm × 300mm × 500mm

四、Use

1、 Will handle assembled, connected inlet and outlet tubes.

2、 Before using the machine, add grease on the piston (butter), uniform shaking the handle to ensure that the use of flexible and prevent corrosion.

3、 First use, put the inlet tube into the water barrel, reciprocating shaking rocker, testing the water properly, you can start grouting。

4、 After all connections of inlet and outlet tube are tight joints, connect with pump. If you find inlet tube performance adversely, it shall take the following measures:

(1) Check the fastening and sealing of inlet tube connectors.

(2) Check whether there is damage on inlet tube, and there is an air leakage.

(3) Check whether there is material within the barrel.

(4) Check if the outlet tube is loose, with or without debris clogging.

If found a material adverse ,adopt the following measures:

①Check if the outlet tube is blocked. ②If the discharge valve is open。

5、 During grouting process, the outlet tube

must be placed smooth , otherwise it will directly affect the construction operations.

6、 Slurry can not contain sand , it will affect the life of the machine.

7、 Outdoor use in winter, the temperature below zero, must pay attention to the following matte:

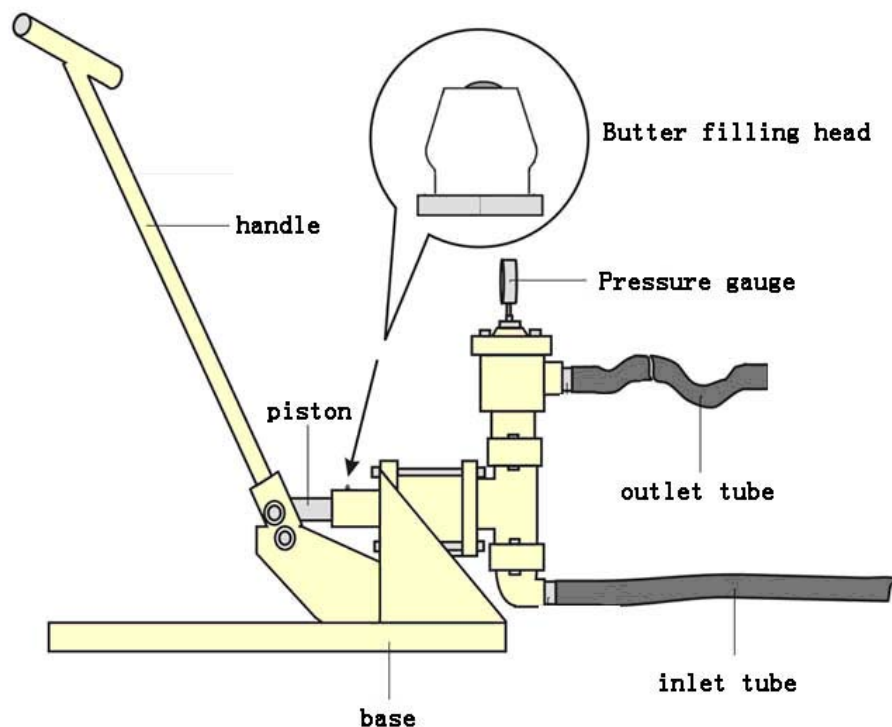
- (1) The use of time not too long.
- (2) Please finish Configured slurry at once.

8、 After use, please clean the machine and lines timely, while clean water after cleaning as the water is generally, the machine will be placed in room, easy to use next time.

9、 Regularly clean the cement slurry of the pump body , to prevent the cement solidification, affect the use of machine.

10、 Pistons should regularly add oil.

Picture 1



Picture 1 Piston Manual Grout Pump MG-808 structure

MG-808 Machine maintenance instructions

Note: Pressure gauge is an independent parts, open four large screws, you can remove the pressure gauge parts.



The machine is solid and durable, before using the machine, all parts should be checked is firmly connected, pistons should regularly add oil. If you find that there is no pressure, generally one of the three parts has problem, such as feed port, discharge port and piston.

一、 **The feed port does not suck (Shake the handle, hand over its mouth feed tube feel no suction), First, check if the inlet tube is plug, if not, you have to open the feed port, check if the ball can rotate flexibly.**

1、 Removed the two screws at the feed port, you can remove the inlet part, below picture shows the internal structure after the inlet part removed.



2、 The follow picture shows the internal structure of the storage tanks , which has a feed inlet ball should be free to roll;



3、 Follow picture is the structure after removing the ball , the ball should move freely; then clean and re-assemble the parts . (Rolling ball must be flexible, there is no debris, remain sealed)

二、 The discharge port has no slurry, first, check if the outlet tube is plug, if not, shake the handle, hand over its mouth feel no suction? if there is no suction, you have to open the discharge port, check if the ball can rotate flexibly.

1、 The pressure gauge parts removed, you can see the ball inside the storage tank。



2、 check the storage tank, shall not be left slag cement, if necessary clean the storage tank, as the follow picture.



3、 If you open the discharge port, find the tank full of cement material, please remove the two screws at the bottom of the tank, and clean the tank, as the following:



4、 The figure below shows the discharge port after removing the storage tanks, The entire channel is filled with cement, please clean carefully .



5、 Check ball of discharge port is installed correctly. (Note that the ball outside the frame "O"-ring do not broke or lose)



6、 Clean check ball of discharge port and feed port, and clean the ball rack, assemble according to the original。



三、 3-6 months in normal use, check outlet and inlet tube has no problems, but do not increase the pressure, we should suspect the seals wear and tear caused no pressure, then you need to remove the body of the piston.

1、 Remove nuts of the four long screws.



2、 Remove the pump accumulator (The following picture shows the connected surface with the piston cylinder)。



3、 The following picture shows the pressure piston pump . Normal working hours, the piston is reciprocating motion.



4、 The following picture shows after the demolition of the piston cylinder piston head seal exposed.



5. Clean the cement sediments of piston.



6、 Remove and replace piston seals (Blue ring, sometimes red ring); After changing, assembled according to the original.



Dear customer, if you have to examine and handle according to the diagram above, but the problem persists, please contact our customer service around.