

**MODEL: A03**

**Manual filling machine**

Operational Manual

Before operation, please read this

Operational manual carefully.

## **A. use**

Using piston structure, can be in liquid materials such as paste, 5-50g quantitative filling machine, compact structure, convenient operation. precise and body parts contacting materials adopts 304 stainless steel and pipe through, abrasion resistance, corrosion resistance, etc. Especially suitable for small and medium-sized enterprise or chemical industry department of pharmaceutical preparation in hospital, laboratory of small doses of filling.

## **B. technical parameters**

1. Filling range: 5-50g
2. Filling accuracy:  $\pm 1\%$
3. Working way: manual
4. Hopper volume: 10KG
5. Shape dimension: 270X270×710mm
6. weight: 13KG

## **C. Instructions**

1. Users must according to the need for filling capacity Settings. the first "handle" up to the highest level, loosen "adjust on the screw solid nut" later, turn the "raised the amount screw", clockwise rotation to be filling quantity increases, counter-clockwise decreases. when adjustment after the capacity, will "adjust on the screw solid nut" tighten.

2. Operation method:

Every time under pressure "handle", and the material will be from "the material mouth" out, loosen "handle" waiting for the next again after filling, each time the pressure must be close to the lowest point, and low pressure to loosen up "handle", also want to return to the highest level, so every time filling quantity will not have the error. Such as press "handle" no pressure to low or the handle when up to the highest level did not return, can appear every time filling quantity to different situations, users in the operation should be paid attention to the method of operation.

### 3. The machine maintenance and maintenance:

When the material used alternately or long-term work, we should take the hopper even material cylinder, cone cover, four fluorine piston, discharging mouth, spring, discharging valve core of mouth out clean reload after good.

As the piston rod bottom appear discharge, cream, to replace cylinder a oil seal.

### 4. note:

(1) the machine doesn't fit to take particles and illiquid materials filling.

(2) the machine shell by casting of aluminium alloy, the body needs to keep clean, to prevent corrosion. (3). in the process of operation to bushings, bevel gears and rack appropriate add lubricating oil.

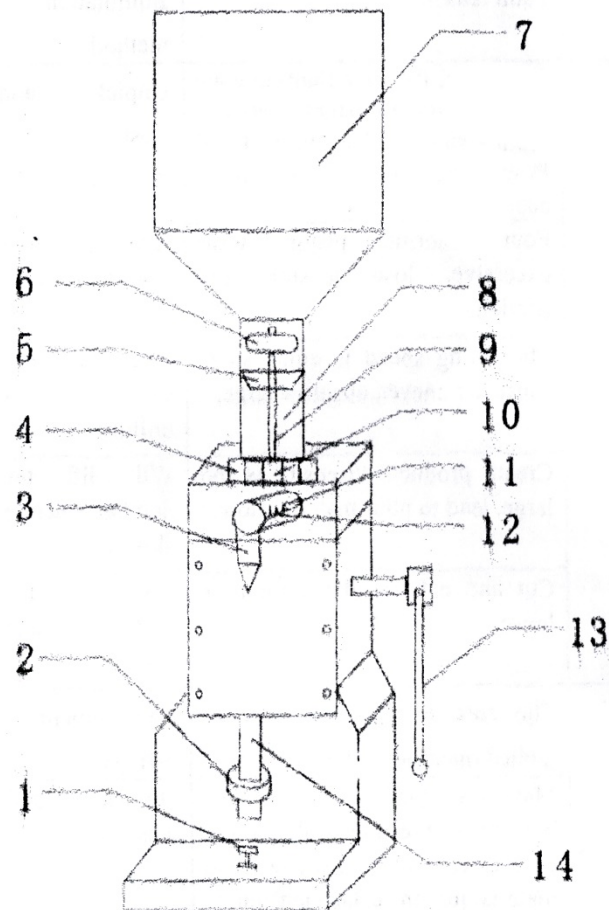
(4) long-term when not working for the material to contact parts of the overall unpick and wash, in case the material solidified inside the machine.

(5) the machine when acceptance of inspection, in normal transportation and packing sound, such as the discovery of the parts of the products and packing list should be promptly to the factory not contact.

(6) the equipment transportation and storage and use in can't hit, the stress and spur of damp.

D. Fault and elimination method	Fault reason	Elimination method
Measuring forbids, In less time.	Cover and the four fluorine cone piston materials stuck between sealing ring, lead to the material flow back, affect measurement accuracy	Unpick and wash
	Four fluorine piston wear Replace excessive, lose tension and friction.	Replace four fluorine piston
	The filling speed is quick slow, cause the uneven absorb charge.	Keep the speed of Work uniform.
	Cream products viscosity is too large, lead to poor material flow.	Will lift the Handle action slowed
	Cut and cap on the amount is loose	Lock the quantity and cap
The material mouth had drops liquid phenomenon	The core of the o-rings were melted material or damage	Replace the o-rings
	Materials glued to the o-rings. but make the material suction excessive, and destroy the material mouth surface tension.	Unpick and wash
After filling materials mixed in the bubble	Filling too fast	Reduce the filling speed
	Cylinder of oil seal failure withing cities	Replacement cylinder & oil seal

## E、 schemes



1. The following adjustment screw solid nut 2. The above adjustment screw solid nut  
 3. nozzle 4. Cylinder of the base 5. four fluorine cone piston 6. Cover  
 7. hopper 8. Cylinder 9. piston rod 10. Oil seal 11. nozzle - valve  
 core 12. spring 13. handle 14. raised the amount screw