Model A05 Pneumatic Filling Machine

Users' Guide

1. Brief Introduction

The A03 manual filling machine is specially designed for filling liquid and cream from 20 to350ml. The shell of the machine is durable powder-coated and all the parts insjde are made from 304 # stainless steel and TEFLON,it 15 beneficial for individual factories and those factories of small scale.,laboratory,hospital or beauty parlor in daily use chemical section.

2. Technical Parsmeters

Filling Range:20-350ml Capacity of the Hopper :30L

Gross Weight:30kg Overall Dimension: 40*40*97cm

3. Operational Approach for model A03 manual filier

To setting up the filling volume : pull the handle(Fig1.23)up at first, then loosen the locking nut(Figl. 25), circumgyrate the measure nut(Figl. 26) CCWtoincrease the filling volume or CW to reduces. Tighten up the locking nut while you get a right volume. Choose a right nozzle for your bottles,try to use a thick and short nozzle if possible.

Operational Approach for model A02 pneumatic filler

Connect the machine to an air pump by using a ϕ 8mm pipe , depresses the pedal switch to work in jog mode, and step on the pedal switch to work automatically. Use speed controller for inlet and outlet(fig22,2.6) to adjust the filling speed. Then adjust the filling volume as same as model A03 manual filler.

Attention : This machine is not fit for filling the materiels concretionray(such as face cream or beef fat etc)or any materiels with grain.

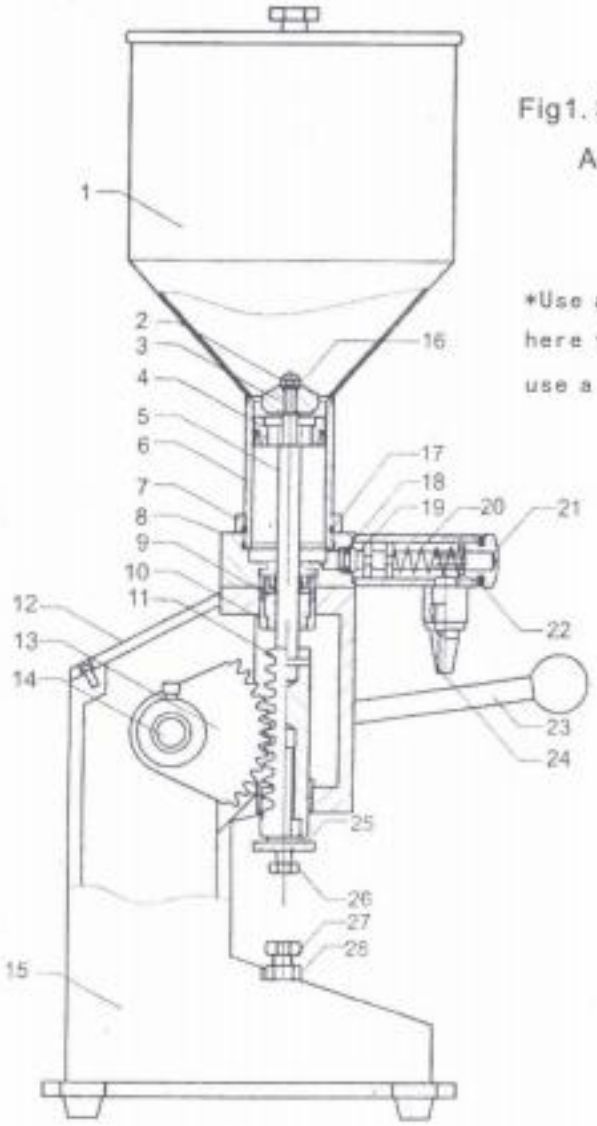

Fig1. Structure Chart For A03 manual filler

*Use a Φ12X3mm sealing ring here for filling liquid and use a Φ14X3mm for cream!

1.hopper 2.screw cap 3.cone screw cap 4. piston ring 5.piston rod
6.measure cylinder 7. fastener 8. cylinder base 9. sealing ring
10.sealreceptacle 11.gear rack 12.cover plate 13.sectorgear
14. cross shaft 15. machine base 16.17.18.sealing ring 19.valve plug
20.spring 21.outlet screw cap 22.O ring 23.handel 24.nozzle
25.upper locking nut 26.upper measure nut 27.down measure nut
28.down locking nut

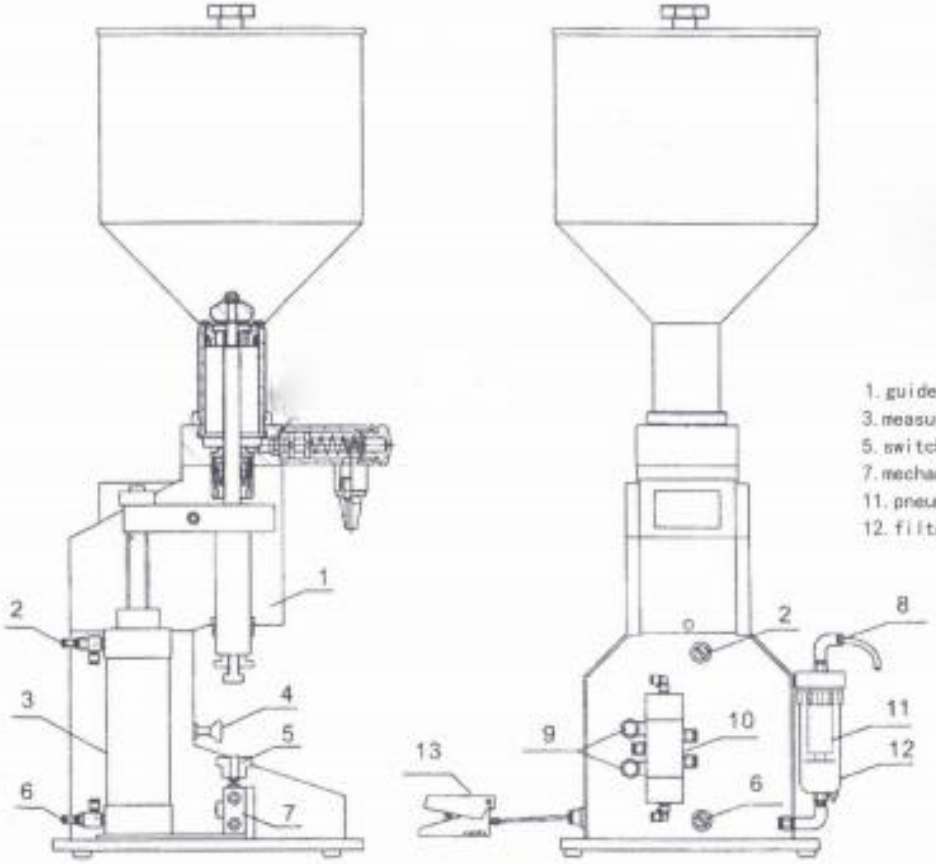

Fig2. Structure Chart For A02 pneumatic filler

1. guide rod 2. speed controller for inlet
3. measuring cylinder 4. automatic switch
5. switch lever 6. speed control valve for outlet
7. mechanical valve 8. air inlet 10. air outlet
11. pneumatic control valve 11. filter element
12. filter 13. pedal switch

*Use a Φ12X3mm sealing ring here for filling liquid and use a Φ14X3mm for cream!

Symptom	Causation	Fault Remedy
Measure inaccuracies	There's sundries between the cone screw cover (fig1.3) and piston ring(fig1.4).	Unpick and wash
	The piston ring(fig1.4) excessive frayed	Replaceing the piston ring
	The filling speed is unstable, the materiel flow asymmetric	Work in a constant speed
	The materiel is ropy	Draw up the handle (fig1.23) slowly
	The locking nut(fig1.25、28)is loose.	Tighten them
	(For A02) Unstable air pressure	Adjust the air pressure
Materiel drops from the nozzle	The U ring is proken or melt	Replacing the O ring (fig1.16、17、18)
	There's sundries on the o ring(fig1.18)	unpick and wash
Materiel contains bubbles after filling	Operate speed is too high.	Low down the work speed.
	The air proof ring(fig1.9) is broken	Replacing it(fig1.9)

5. Maintenance

a.Keep the machine body clean in case of erosion to extended service life

b.Please lubricate the abscissa axis (fig1.14)、segment gear (fig1.13)and the rack (fig1.11)termly.

c. Please unpick and clean the machine before leave it unused for a long time.