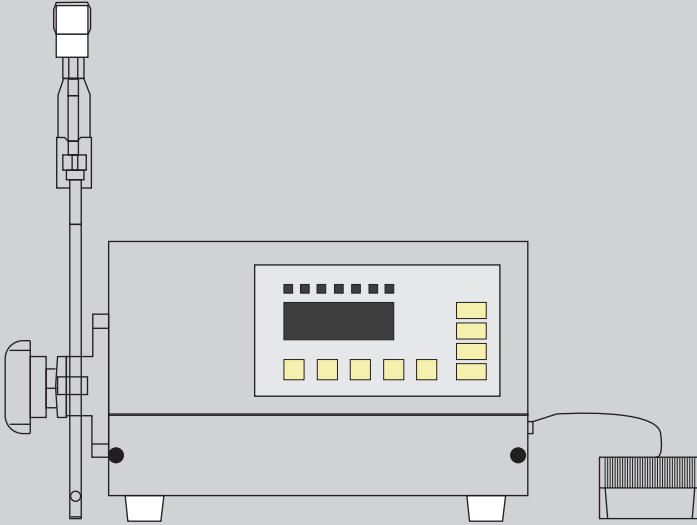


GFK-160
Filling Machine



LIQUID FILLING MACHINE

Model: GFK-160

EN

User Manual

PLEASE READ THE MANUAL CAREFULLY BEFORE OPERATION



WARNING!

Read the following instructions before using the product!

These instructions below are for your safety. Please read through them thoroughly before use and retain them for future reference. Familiarize yourself with them to reduce hazards like personal injuries and damage to property.

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(The pump doesn't suck anything)	

OUR MAIN PRODUCTS

Filling machine
Packing machine
And other mechanical equipment

Sealing machine
Coding machine

We also customize all kinds of packaging machinery according to customer needs.

Notice :

- Because different filling liquids have different viscosity and properties. So we designed this filling machine according to this characteristic. Through the time and filling speed adjustment to achieve the rated filling volume.
Time × speed (Actual fluid velocity)= filling volume
(rated actual speed for water is 3.3l/min)
So we recommend that you test to get a reasonable value of speed and time before filling your liquid formally
- When the machine leaves the factory, we test it with water. Therefore, after the machine is received, you open it, and some water may remain in the pipe. You can run the machine without liquid for several times (We also recommend this if you do not use it for a long time)
- Suitable for filling low viscosity liquid
- we recommend that you run the machine several times with alcohol and clean the inside of the machine by pumping alcohol

Product Introductions :

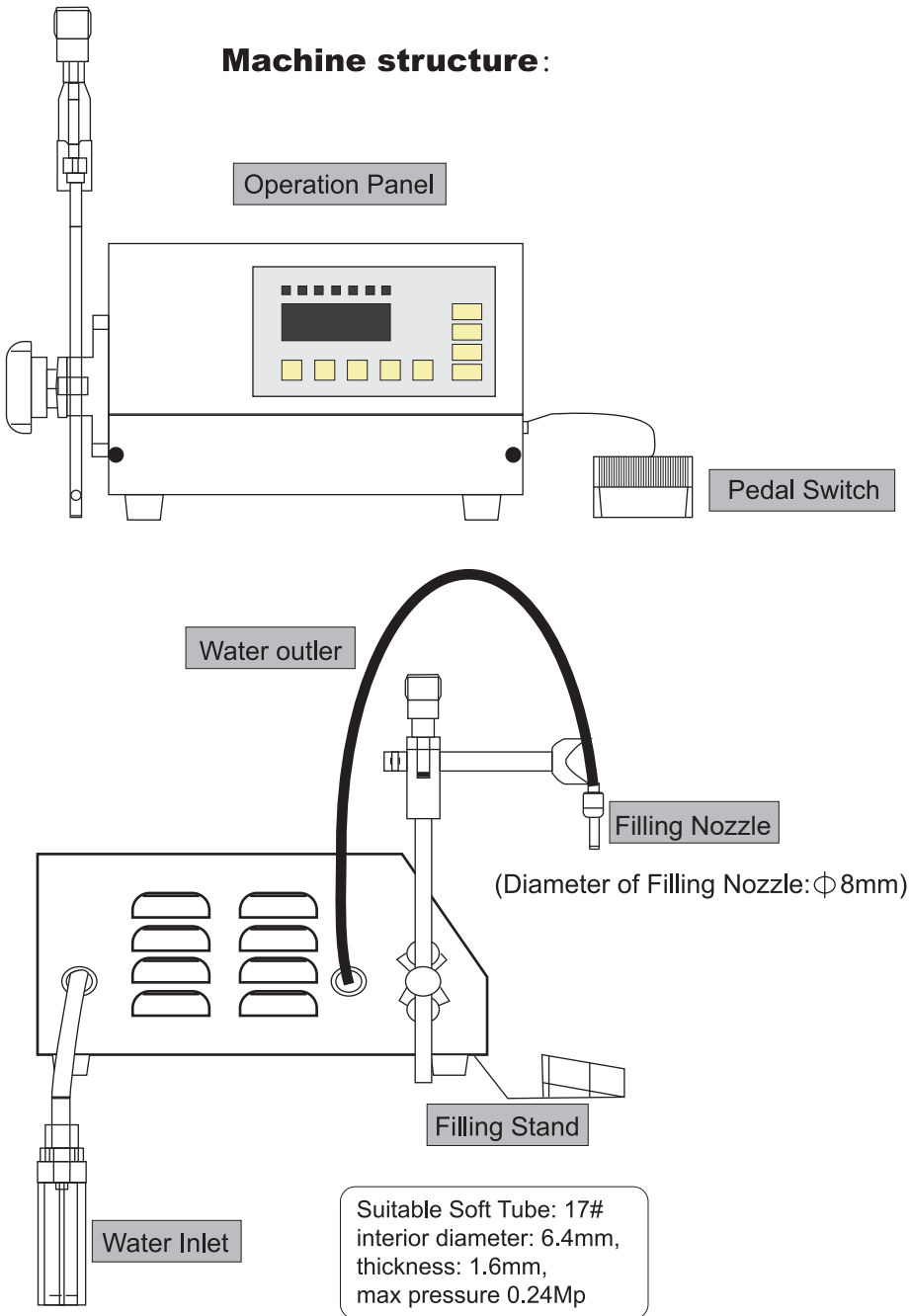
- This machine USES microcomputer to control filling time, motor speed and other factors to control the micro pump, to achieve uniform filling method with small repeat error.
- Widely used in Pharmaceutical, chemical, food, oil, cosmetics and other industries, suitable for low viscosity, no particle liquid filling, small batch production.
- Pump body and motor pump body separation, no mechanical metal.
- It is resistant to oil, heat, acid, alkali and corrosion.
- The pump head is connected with the motor without shaft, which avoids the problems of spatter and leakage caused by the damage of shaft seal or motor combustion caused by excessive pump load.
- When starting or stopping the machine with frequency converter, the filling time should be accurate to 0.01 second to ensure the accuracy and error of filling should be less than 2%.

Technical Parameters:

ITEM	PARAMETERS
Voltage Power	110V - 220V 50/60Hz 40W (Wide Range Voltage)
Maximum Runoff	3500ml/M (Water)
Filling Range	5ml - 3500ml
Optimal Filling Range	5ml - 1000ml
Filling Precision	±1%
Pipe Material	Silica Gel (If filling essential oil, we suggest replacing with tetrafluoron tube)
Shell Material	Stainless Steel
Control Method	Manual and Automatic
Dimension	350×255×170mm
Weight	3.9 KGS

- **Filling adjustment** : it is for setting time for each fluid filling, the time Unit is second
- **power switch of the filling machine** : when the machine stops running, please turn off the power.
- **Time interval for filling** : after filling a bottle of fluid, the machine will stop running automatically for a while for a second filling. This position is for adjusting the time interval
- **Filling speed adjustment** : it is for controlling the rotating speed of the high pressure pump, to control the fluid runoff in filling
- **High precision miniature magnetic pump** : it is the power source of the filling machine, which can start filling fluid when the pump starts running.

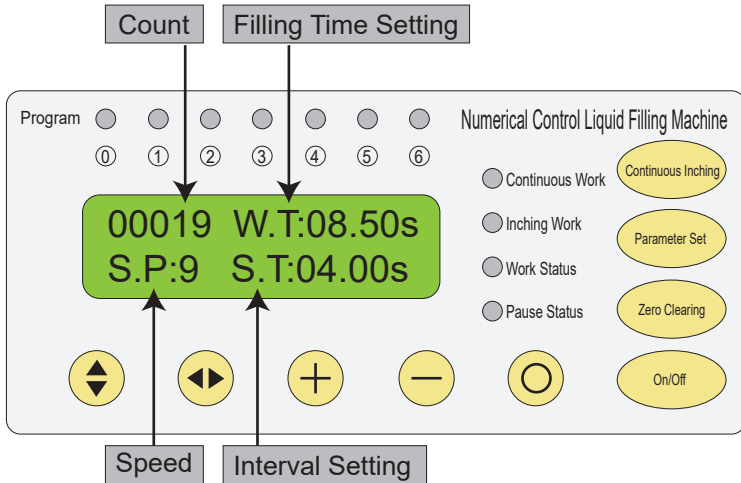
Machine structure:



Different liquid needs to choose different material of tube. The tube provided by us is silicone tube.

How To Operate :

Introduction of digital display interface:



- ① The machine has two working modes (working mode must be set before use):
Continuous Work, Inching Work (pedal control)
Through the button (continuous/inching)
If you want to set it to Continuous Work modes:
 - 1), Press the pause button first (on/off). The pause status light lights up
 - 2), Press the button (continuous/inching),
When continuous work lights up,
it means that it is already in Continuous Work mode.
 - 3), Press the start button (on/off) to start working
Same way set up to Inching Work mode (pedal mode)
- ② How to adjust filling time, filling speed, and waiting time
Press the Settings button (Parameter set)
 - Need to press 2-3 seconds,
 - When the red light ① flashes, it's ready to go
 - The cursor position is where the number can be set
 - Then through (↑) (↔) buttons (+) (-) buttons
to adjust the time, speed, waiting time you need
- ③ The count cannot be adjusted and can only be cleared by the button
(Zero cleaning)
- ④ Adjust the selection of 6 groups of memory functions
 - through the button (O) below
 - First press (Parameter set)
 - then press (O) button to switch 6 groups of functions
 - You need to set it up and store it first

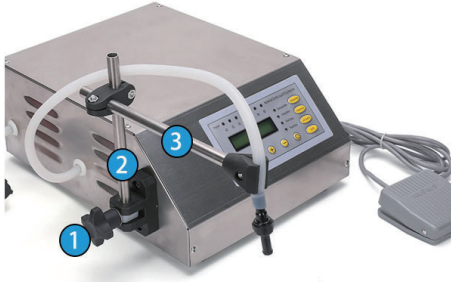
Common Problems And Solutions :

- 1,Q. After the machine is started, everything is normal but the pump does not pump the liquid
A. If a new machine doesn't pump, probably is because of too much air in the pump and the pump is idling, the pump needs to discharge the air before working, so please set the extract time to the maximum, push out the air, and you can also try to lift the feed port and fill some water in it to make water enter inside the pump
This will pat the air out of the pump
- 2,Q. After the machine is started, everything is normal but the machine didn't respond
A. After the machine is set, you need to choose a working mode manual or automatic before use.
- 3,Q. Machine pump suction is not enough
A. The inlet must be completely filled with liquid and no air is allowed to enter the inlet when machine is working
- 4,Q. Why is the machine dirty after receiving it
A. Please tear off the protective film of the machine shell, it is the mark left by the metal cutting, not the rust

About Our Services :

- Different from other sellers, as a company integrating R&D and production, we can provide a complete and comprehensive backup catalogue of spare parts, so that if you need any spare parts, whether within or outside the warranty period, we can assist you
- After you receive the machine and during the usage of the machine , no matter what problem you meet you can contact us through the order page(Contact Seller), and we will support you within 12 hours
We offer one year guarantee, that means, within one year, no matter what kind of problem happened to the machine, contact us and we will solve the problem.
even if over one year, we can also help to provide spare parts and technical supports.
THIS IS OUR PROMISE TO ALL OUR CUSTOMERS
- You can contact us instead of Free Amazon tech support included
Because We are a technology company, more professional, can provide more help and support
Our customer service email,
sumeve-customer service@outlook.com

How To Assemble The Machine:



Packing List:



Power cord x 1

Filling Stand x 1

Filling Nozzle x 1

Inner hexagonal wrench x 1

Guarantee receipt x1

Pedal Switch x 1

Filter x 1

Screwdriver x 1

Instruction book x 1