

**For Digital Control Liquid Filling Machine  
GFK-160**

# **USER MANUAL**

## **THE 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 x speed (Actual fluid velocity)= filling volume  
(rated actual speed for water is 3.31/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

## 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 s should be less than 2%.

## Technical Parameters:

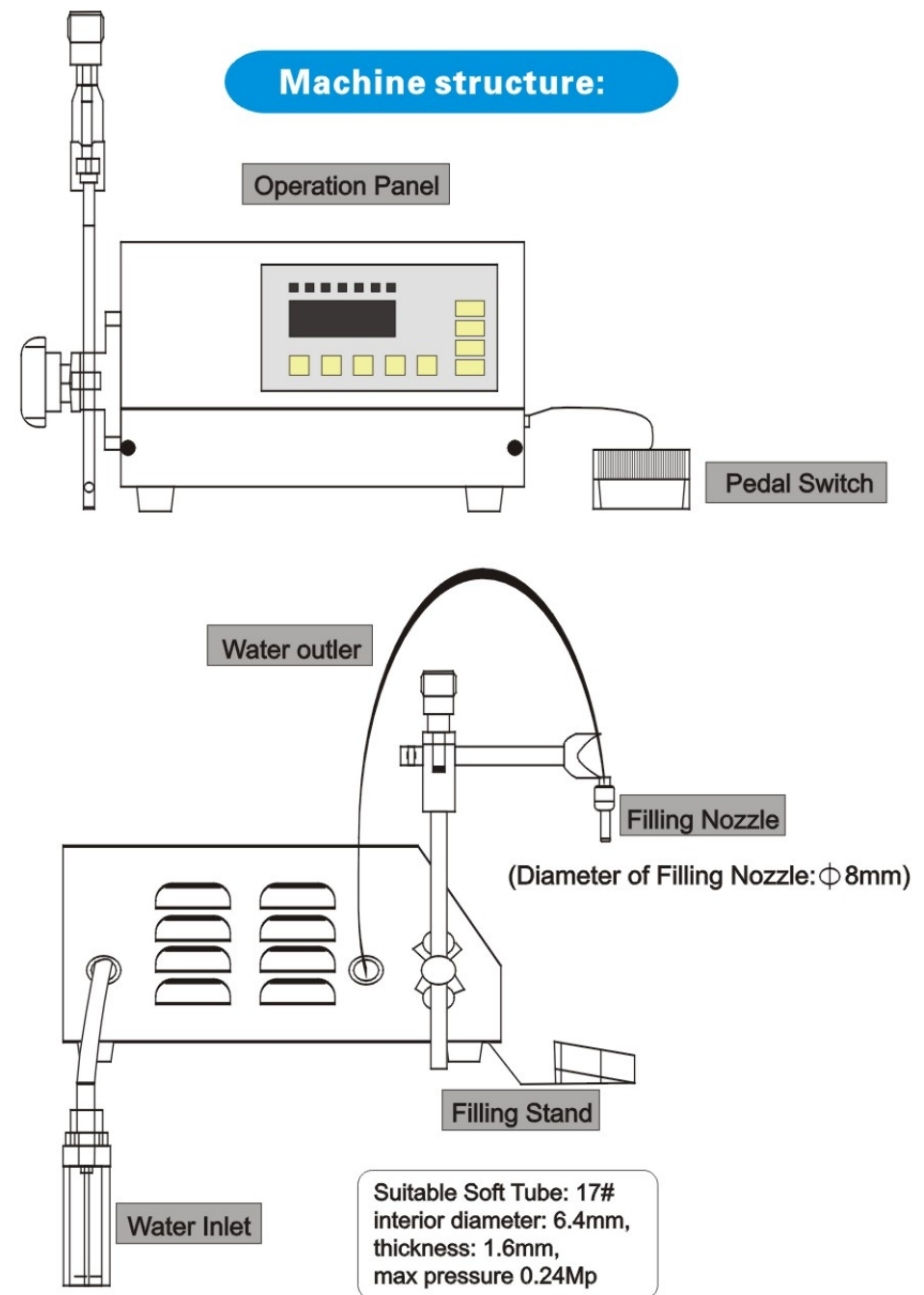
ITEM	PARAMETERS
<b>Voltage Power</b>	110V– 220V 50/60Hz 40W (Wide Range Voltage)
<b>Maximum Runoff</b>	3500ml/M (Water)
<b>Filling Range</b>	5ml–3500ml
<b>Optimal Filling Range</b>	5ml–1000ml
<b>Filling Precision</b>	± 1%
<b>Pipe Materia</b>	Silica Gel (If filling essential oil, we suggest replacing with tetrafluoron tube)
<b>Shell Material</b>	Stainless Steel
<b>Control Method</b>	Manual and Automatic
<b>Dimension</b>	350x255x170mm
<b>Weight</b>	3.9 KGS

- Filling adjustmentit : 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.

## How to assemble the machine:



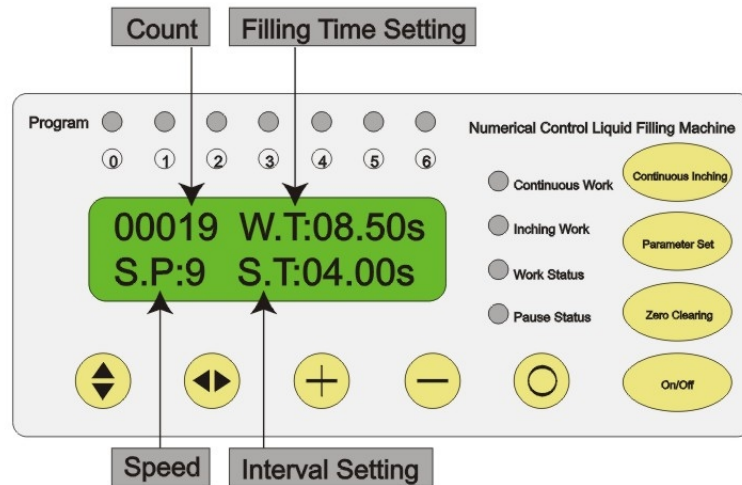
## Machine structure:



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:  
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)
  - 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 1-2 seconds,
  - When the red light 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

## Packong List:

	Power cord x 1
	Filling Stand x 1
	Filling Nozzle x 1
	Inner hexagonal wrench x 1
	Guarantee receipt xl
	Pedal Switch x 1
	Filter x 1
	Screwdriver x 1
	Instruction book x 1

## About our services:

- We offer a one-year warranty from the date of purchase
- 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
- If you need to sterilize the machine, we recommend that you run the machine several times with alcohol and clean the inside of the machine by pumping alcohol
- If you have any questions, whether about the machine or other aspects, you can contact our online customer service or email us, and we will reply to you within 24 hours.