

**For Digital Control Liquid Filling Machine  
GFK-280**

# **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

## 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
<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>	3.5 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.
- Manual and automatic filling switch button : it is for changing the work status of the equipment (automatic control / manual control)
- Manual filling button: when the button pressed, it will fill fluid and stop running automatically
- 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.

## Work Adjustment:

- 1 Press "Set/ESC" to adjust the filling time—(Kilo bits flicker), and press "right shift" and move for one place and so on. Circulate the filling time according to the increase of digits(0–9). Press "Set/ESC" for saving when completing the adjustment.
- 2 The waiting time adjustment is the same as the adjustment of filling time.
- 3 The counter adjustment is the same as the adjustment of filling time. The unit of adjustment range between 1–65536 filling time and waiting time may be set as 0.1 second or 0.01 second, which can be switched by pressing the corresponding button of "increase/unit". The counter will do the counting according to the given volume.  
  
For example:  
if it is set for 100 times, the counter will go down automatically when it reaches 100 times, which can be switched by pressing the corresponding button of "increase/mode" when the corresponding light is on it will start filling according to the given value.
- 4 The button of "counting reset": it is for clearing the current value of the counter.
- 5 The button of "Set filling": when filling into a new vessel, please Press this button (do not stop pressing at the beginning of the filling), and stop pressing when the vessel filled up. This filling time will be saved automatically. Should there be a little discrepancy, please do fine adjustment according to this filling time.
- 6 The button of "Manually": press this button, the filling will be done once.
- 7 The button of "Automatically": press this button, the machine will automatically run according to the given filling time and—wait time. Press this button again to cancel tire operation.
- 8 The machine can be connected with pedal switch. 5 or 6 pedals can be connected to the controller end.

## How to assemble the machine:



## About our services:

- We offer a one-year warranty from the date of purchase
- 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)
- 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
- 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 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



## Packing List:

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

