

## *LQ-GF Automatic Tube Filling and Sealing Machine*



LQ-GF Series automatic tube filling and sealing machine applies for production in cosmetic, daily use industrial goods, pharmaceutical etc. It can fill the cream, ointment and sticky fluid extract into tube and then seal the tube and stamp number and discharge finished product.

### **Working Principle:**

Automatic Tube Filling And Sealing Machine is designed for plastic tube and multiple tube filling and sealing in cosmetic, pharmacy, foodstuff, adhesives etc. industries.

The operating principle is to put the tubes which are in the feeding hopper into the first position of filling model individually and invert with rotating disk. It is used to test nomenclature plate in pipe when turning to the second position. Filling with nitrogen gas into pipe (optional) in the third position and filling with desired substance in the fourth, then heating, sealing, number printing, cooling, slivers trimming etc. Finally, export the finished products when inverting to the final position and it has twelve positions. Every tube should be taken such series processes to complete filling and sealing.

### **Feature**

1. Accuracy filling, balanced action, low buzz.
2. Automatically finished overall process as tube supply, photo-electron register, inert gases filling (optional), material filling and sealing, batch number printing, and finished products output.
3. Quickly and accurately adjust and it is suitable for varies specification and varies product producing.
4. No tube no filling function and warning if tube error positioned or pressure too low, automatic stop machine if opening the protective door.

## Technical Parameter

| Model                    | LQ-GF-400L                              | LQ-GF-400F                  |
|--------------------------|---|-----------------------------|
| Tube Material            | Metal Tube, ALU Tube                    | Plastic Tube, Laminate Tube |
| Dia. of Tube             | 10-42mm                                 | 10-60mm                     |
| Tube Length              | 50-250mm (customized)                   | 50-240mm (customized)       |
| Filling Volume           | 5-500ml (Adjustable)                    | 5-800ml (Adjustable)        |
| Filling Accuracy         | ±1%                                     |                             |
| Capacity                 | 2160-6000pcs/h                          | 1800-5040pcs/h              |
| Air Supply               | (0.55-0.65) Mpa 0.1 m <sup>3</sup> /min |                             |
| Voltage                  | 2kw(380V/220V 50HZ)                     |                             |
| Heat Sealing Power       | 3kw                                     |                             |
| Overall Dimension(L*W*H) | 2620x1020x1980mm                        | 2620x1020x1980mm            |
| Weight                   | 1100kg                                  | 1100kg                      |

| Model                    | LQ-GF-800L                              | LQ-GF-800F                  |
|--------------------------|---|-----------------------------|
| Tube Material            | Metal Tube, ALU Tube                    | Plastic Tube, Laminate Tube |
| Dia. of Tube             | 13-50mm                                 | 13-60mm                     |
| Tube Length              | 80-250mm (customized)                   | 80-260mm (customized)       |
| Filling Volume           | 5-400ml (Adjustable)                    | 5-600ml (Adjustable)        |
| Filling Accuracy         | ±1%                                     |                             |
| Capacity                 | 3600-7200pcs/h                          | 3600-7200pcs/h              |
| Air Supply               | (0.55-0.65) Mpa 0.1 m <sup>3</sup> /min |                             |
| Voltage                  | 2.2kw(380V/220V 50HZ)                   |                             |
| Heat Sealing Power       | 6kw                                     |                             |
| Overall Dimension(L*W*H) | 3270x1470x2000mm                        | 3270x1470x2000mm            |
| Weight                   | 2200kg                                  | 2200kg                      |