



止漏裝置 (球閥式)  
Anti-leaking device (Ball valve type)

● #316 不鏽鋼儲料桶  
(10 公升 / 附蓋)  
#316 Stainless steel liquid tank  
(10 Liter / Tank lid included)

● 免工具便利快拆設計  
Quick dismantlement design

● 4.3 吋彩色觸控人機螢幕  
4.3" Color touch screen (HMI)

蠕動式充填 & 矽膠軟管  
Peristaltic filling system &  
Silicone filling tube

## FL-010R 半自動蠕動式充填機

Semi-automatic Peristaltic Filling Machine

### 適用範圍

- 適用於各行業具流動性及無腐蝕性的液體。
- 最適合要求高充填精準之小容量產品。
- 可設定連續充填以達到大容量範圍，大瓶小瓶一機搞定。

### 特色介紹

- 液體接觸面使用「316L 不鏽鋼、食品級矽膠軟管 / 鋼絲軟管、鐵氟龍」；主要結構採用 #304 不鏽鋼與鋁合金，衛生等級高，符合食品及醫藥業生產規範。
- 日本三菱 PLC，搭配台達 4.3 吋彩色人機觸控螢幕，可直接輸入所需充填量及充填速度，直覺式操作最方便。
- 充填系統採用「蠕動式泵浦 & 伺服馬達」，充填精準度極高。充填速度可依液體特性自由調整，有效避免液體高速充填時噴濺至瓶外並降低起泡程度。
- 充填採用矽膠軟管好處多：易清潔又耐高溫、低成本的軟管若老舊可隨即更換、生產不同液體使用不同管線以避免交叉污染。
- 內建 50 組記憶模組，適合生產多種產品，不需重覆設定。
- 兩種啟動模式：任擇「腳踏開關」或「螢幕觸控」啟動。

### 機台規格

機台尺寸	420(長) x 480(寬) x 220(高) mm (不含料桶尺寸)
動力需求	電壓 220V，頻率 50/60Hz，單相，視在功率 0.75KVA
機台產能	約 6 ~ 12 瓶 / 每分鐘 (以 100ml 不起泡之液體為例)
充填範圍	10 ~ 300 ml (亦可設定連續充填達到更大容量)
充填精度	± 1g (以充填 100g 清水為例)
選配項目	工作台車 (採 #304 不鏽鋼及鋁擠型 / 附腳輪)

### Field of Application

- Apply to various flowable and non-corrosive liquids.
- Most suitable for small-volume products which need high filling precision.
- Continuous filling to reach larger volume for different volume of products.

### Features

- Liquid contact parts made of 316L stainless steel, food grade silicone tube / wire hose, Teflon, main structure is made of #304 stainless steel and aluminum alloy meet high sanitary demands for food and pharmaceutical industries.
- Japan Mitsubishi PLC and 4.3" color touch screen (HMI). Filling volume and speed are set from the screen conveniently.
- Peristaltic pump & Servomotor of filling system offer high filling precision. Filling speed can be adjusted based on liquid properties to prevent spraying out of bottles while filling proceeding, foaming degree is also reduced.
- Many sanitary benefits of using silicone filling tube: Not only easy cleaning, but low-cost tubes can be replaced at any time to prevent cross contamination while filling different liquids.
- 50 sets of memory storage: Perfect for various products.
- Two filling start-up modes: Foot switch or Touch screen.

### Specifications

Machine Dimension	420(L) x 480(W) x 220(H) mm (Not including liquid tank)
Power Requirement	220V, 50/60Hz, 1 Phase, 0.75KVA
Production Capacity	About 6 ~ 12 PCS / per minute (based on 100 ml of water)
Filling Range	10 ~ 300 ml (set continuous filling to reach larger volume)
Filling Precision	± 1 g (based on filling 100g water)
Optional Item	Working table (#304 stainless steel & Aluminum alloy / Castors attached)