



進料 / 出料鋼絲軟管  
Liquid inlet/outlet pipe

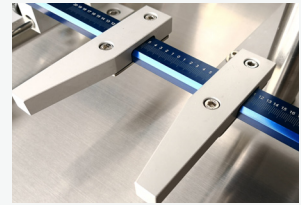


自動升降充填機構  
Automatic lifting filling system

100 公升暫存原料桶  
(#316 不鏽鋼)  
100L Liquid tank  
(#316 stainless steel)

上下調整手輪 ( 充填管高度 )  
& 位置顯示器  
Up / Down adjusting device  
(for filling nozzle)  
& Position indicator

7 吋彩色觸控人機  
7" Color touch screen (HMI)



瓶罐固定調整座  
( 附雷射刻度 )  
Adjustable bottle clamp  
with laser-engraving scale

## FL-020F 半自動迴流式充填機 ( 液位等高 )

### Semi-automatic Overflow Liquid Filling Machine (Equal liquid-level)

#### 適用範圍

- 適用於各行業之高流動性似水狀及無腐蝕性液體。
- 適合要求充填液位需等高的產品，尤其適合玻璃瓶包裝。
- 可設定增加充填時間以達到大容量範圍，大瓶小瓶一機搞定。

#### 特色介紹

- 迴流式充填：充填管自動降下完整覆蓋瓶口，待充填至設定之液位高度，多餘液體會迴流至暫存料桶，之後充填管便自動升起 ( 標準配備附一組 100 公升暫存料桶 )。
- 若為不易起泡液體，更可設定高速充填，不會噴濺至瓶外。
- 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，搭配日本富士 7 吋彩色人機觸控螢幕，可直接輸入所需充填時間，直覺式操作最方便。
- 使用者友善介面：快拆模組與多種免工具調整設計，換線快速。
- 內建 50 組記憶模組，適合生產多種產品，不需重複輸入設定。
- 兩種啟動模式：可任選「腳踏開關」或「螢幕觸控」啟動。

#### 機台規格

機台尺寸	900(長) x 650(寬) x 1800(高) mm (不含暫存料桶)
動力需求	電壓 220V，頻率 50/60Hz，單相 / 三相，視在功率 0.75KVA
需求空壓	5kg/cm <sup>2</sup> 以上 (請自備空壓來源)
機台產能	約 6 ~ 12 瓶 / 每分鐘
充填範圍	300 ~ 2000 ml
充填液位精度	± 2 mm (液位高度)
選配項目	補料泵浦

#### Field of Application

- Apply to various water-like and non-corrosive liquids.
- For products which need equal liquid-level, especially suitable for glass bottles.
- Extend filling time to reach larger volume for different volume of products.

#### Features

- Overflow filling: Filling nozzles go down to cover bottle mouth, then liquid is filled to the required liquid-level. Extra liquid which is over liquid-level will flow back to liquid tank, and afterwards filling nozzles go up automatically (100L liquid tank is a standard item).
- For low-foaming liquids, higher filling speed is applicable without spraying out of bottles.
- 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 7" color touch screen (HMI). Filling time can be set from the screen conveniently.
- User-friendly interface: Quick changeover design helps most adjustments can be finished without using tools.
- 50 sets of memory storage: Perfect for various products without repeated setting.
- Two filling start-up modes: Foot switch or Touch screen photoelectric sensor.

#### Specifications

Machine Dimension	900(L) x 650(W) x 1800(H) mm (not including liquid tank)
Power Requirement	220V, 50/60Hz, 1 or 3 Phase, 0.75KVA
Pneumatic Requirement	5kg/cm <sup>2</sup> at least (prepared by buyer)
Production Capacity	About 6 ~ 12 PCS / per minute
Filling Range	300 ~ 2000 ml
Liquid-level Precision	± 2 mm (liquid-level height)
Optional Item	Liquid feeding pump