



## A compact automatic filling machine

*our most affordable fully automated filling system*

### **DISTINCTIVE DESIGN**

Pack Leader USA FL-12 Compact automatic filling machine constructed with S304 stainless steel material, equipped with high-grade SS-316 filling pumps and incorporate with touch screen panel control. Most parameters can be adjusted by the touch screen interface without complicated mechanical adjustment.

### **SIMPLE TO USE**

FL-12 utilizes our servo driven volumetric system in single, twin or quad pump variants. With integrated infeed and outfeed conveyor, product gapping system and bottle stabilizing clamps to ensure smooth and consistent results. Ideal for use where space is at a premium. FL-12 provides the best filling performance for your products in the market.

### **FLEXIBLE OPTIONS**

The innovative control system on the liquid filling machines provides many different filling options: above liquid surface filling, underneath liquid filling and bottleneck (opening) filling. The tube filling machine is capable of handling many different types of viscous and semi-viscous products.

“ I had contacted Pack Leader with an equipment need within a small time frame. They were very professional and helpful, were able to coordinate receiving and installing all equipment, and (overall) delivered on time and in budget. Excellent job!

-Doug Utley  
Provia Biotech

# FL-12 Specifications



PackLeaderUSA.com/FL-12

## PRODUCT TYPES

### Compact Automatic Filling

## SPEED

### Maximum Filling Speed:

15~30 bottle/min, subject to filling capacity

### Maximum Conveyor Speed:

30m/min

## DIMENSIONS

### Dimensions L-W- H:

78.7" x 37.4" x 59"  
(2000mm x 950mm x 1500mm)

### Bottle Diameter:

20mm - 100mm

### Bottle Height Range:

50mm - 250mm

### Range of Container Length:

0.25" - 6" (6.5mm - 152mm)

### Conveyor Width:

4" (102mm)

## POWER

### Voltage: 220 VAC 60HZ

1 Phase

### Power in KW: .840

### Drive: Servo Motor

## NET WEIGHT

330 lbs (150 KG)

## CONVEYOR HEIGHT

34~44" (864 - 1118mm)

## Flexibility

- Equipped with high-grade stainless steel 316 filling pumps and partnered with a 180mm (7 1/16") touch screen panel control, the FL-12 can be easily adjusted by the touch screen interface without complicated mechanical adjustment.
- Constructed of stainless steel and 304 anodized aluminum with full-length product guide rails ensures products remain durable and accurate no matter the size of the product.
- Depending on your needs, this machine has a fill range between 10ml and 1000ml, with 1000ml being the max dosage per filling cycle, subject to cylinder capacity.
- Integrated digital controls with Panasonic PLC and Delta colored HMI controls for easy and flexible operation.
- The FL-12 is flexible enough to handle any production schedule and is capable of handling product changes quickly and simply.

## Productivity

- AC brushless drive-motor system is linked to a variable speed control, also featured is an emergency stop function.
- Products that can be used with the filler machine are water base products and oil base products.
- Output speed capabilities: 15-30 bottles per minute (subject to filling capacity).
- The FL-12 features a control system with memory slots for storing capping parameters for future operations. This machine encourages productivity by ensuring product parameters are saved to offer product variation. It is easy to switch between products with the settings saved within the machine itself.
- This machine is CE certified and badged giving the assurance of a quality equipment

## Efficiency

- The bottle jam sensor informs the operator of any items or product that could be blocking the flow of production. The bottle jam sensor will

- automatically shut off the filler line giving the operator ample amount to clear the jam.

## Accuracy

- The FL-12's bottle gating system accurately locates bottles under each filling station. This system creates a filling accuracy of +/-1%.
- By using servo drive motors during the filling cycle, total control and accuracy is achieved.

## Practicality

- The FL-12 can be connected perfectly inline with CP-10 semi-automatic capping machine.
- Easy to install and operate, it only requires minimum maintenance for maximum performance and a long machine lifetime.

## Compliance

- All Pack Leader USA labelers and fillers are manufactured in compliance with Good Manufacturing Practices (GMP) standards and meet the strict ISO 9001 quality control procedures. So, you can have confidence undergoing required quarterly inspections from industry compliance auditors.



DELTA COLOR

Touch Screen Controls

Pack Leader USA boasts a broad selection of quality, versatile labeling machines geared toward the specific labeling requirements of companies around the globe. Pack Leader USA, LLC was formed in 2010 to serve North and Central America.