

FL-12 / FL-14 Automatic Filling Machine



The FL-12/FL-14 fully automatic dual-head/quad-head volumetric liquid filling machine is suitable for filling various liquid products such as water, juice, edible oil, cosmetics, pharmaceuticals, motor oil, cleaning agents, chemical products, and petrochemicals.

It features simple adjustments, easy operation, and reliable performance, also it is ideal for water and other low-viscosity products. The production speed can be adjusted according to different needs, and the machine is constructed primarily from SS304 stainless steel, making it easy to clean and maintain without the need for special tools. It can operate independently or be integrated with other packaging equipment for a streamlined production process.

The FL-12/FL-14 fully automatic dual-head/quad-head volumetric liquid filling machine is equipped with 2 or 4 filling nozzles. It offers multiple speed options for conveyor speed and features a user-friendly control panel, allowing customers to meet their production requirements. All liquid contact parts are made from SS316 stainless steel, ensuring that the machine is easy to clean and does not require any tools or complex procedures.

Features

- Construction of stainless steel and 304 anodized aluminum ensures durability
- High-grade of stainless steel 316 filling pumps
- 5m long x 100mm slat band conveyor
- Stainless steel/brushed aluminum side frames.
- Delryn slat.
- AC brushless drive-motor with system linked variable speed control.

- Integrated digital control with Panasonic PLC and Delta colored HMI controls for easy operation.
- Full-length product guide-rails.
- Bottle gating system to accurately locate bottles under each filling station.
- 1000ml max dosage per filling cycle **subject to cylinder capacity**.
- Dimensions 2000 mm(L) x 1000 mm(W) x 1840 mm(H)
- System can draw liquid from any external source **subject to pipe length**.
- Pneumatic filling nozzles available
- CE/UKCA certified and badged
- Flexible enough to handle production schedule and product changes quickly and simply
- Filling accuracy +/- 0.5%
- Output speed capabilities: 15 – 30 bottles per minute (subject to filling capacity)
- Emergency stop function.
- Servo drive motors for total control and accuracy during the filling cycle.
- Memory slots for storing capping parameters for future operation
- Easy to install and operate, it only requires minimum maintenance for maximum performance and a long machine life time.
- Fill range: 10ml – 1000ml
- Perfect inline connection with CP-10 semi-automatic capping machine.

Specifications

Model	FL-12 / FL-14
Filling Capacity Option	150cc Piston/500cc Piston/1000cc Piston
Filling Nozzles	2 / 4
Supply Voltage	1P, 380V/220V, 50/60HZ
Power Consumption	2KW
Air Pressure	5-7 KG
Dimension	(L)2000mm x (W)1000mm x (H)1840mm
Net Weight	280 Kgs