

FP4300 Automatic 6 Nozzles Piston Filler



The Automatic 6 Nozzles Piston Filler FP4300 utilizes a linear conveyor, with a servo motor controlling the fast, precise, simultaneous filling of all six nozzles. For safety, the automatic bottle detection sensor stops the nozzles when an empty space is detected. The emergency stop button allows immediate ceasing of all operations if needed.

Features

1. High-class Japanese Mitsubishi servo motor for accurate and speedy production.
2. Filling speed, volume, and time interval can be set with the PLC control system's color HMI touch panel.
3. Automatically saves filling parameters for future operation and setting.
4. Automatic bottle spacer and positioning system for continuous operation
5. Multiple filling modes for different liquids (above/below liquid surface or fixed-point filling).
6. Equipped with an emergency button and production warning system for safety concern.
7. Tricolor warning lights
8. Production detecting system prevents from bottle jam.
9. Any leaking problem can be immediately detected and corrected.
10. Ball-valve shut-off nozzle prevents liquid from dripping.
11. Made of anti-corrosion stainless steel that meet cGMP standards.
12. Suitable for different bottle shapes – round, oval, square, or flat-based bottles.
13. Stainless steel conveyor frame and bottle guider.
14. Filling tank sends material directly into bottles to reduce contamination.
15. Smart filling reduces filling errors when there are no bottles.
16. Diving filling nozzles prevent splashing and foaming.
17. Bottle separating system position bottles accurately.
18. Multiple-gear pump control simultaneous precise filling.
19. Closed filling system for safety and hygiene.
20. Numbers of gear pumps fill simultaneously to achieve high accuracy in high speed.
21. Equipped with spacer to make precise filling position.
22. Accumulated tray underneath nozzles.
23. Can be connected with production line or work independently.

Specification

- Filling Accuracy: $\pm 0.5\% \sim 1\%$
- Filling Volume: 50ml - 4000ml
- Power Supply Requirements: 110 or 220 VAC; 50Hz; Single phase
- Machine Dimensions: (L) 2666mm (W) 1663mm (H) 1960mm