

Perfume Filling Machine



The Semi-Automatic 4-Head Perfume Vacuum Filling Machine is designed specifically for accurate and efficient filling of liquid products, such as perfumes and other light, volatile solutions. This machine operates using vacuum filling technology to ensure precision and consistency, which minimizes product waste and maintains high-quality production standards. Its user-friendly interface, adjustable nozzle height, and individual sensor controls make it ideal for small to medium production lines in cosmetics, personal care, and related industries.

The machine's construction emphasizes durability and safety, featuring options for explosion-resistant models as well as a sanitary design that meets GMP standards.

Key Features

- Efficient Vacuum Filling: Utilizes vacuum technology to ensure each bottle fills to an identical level, regardless of minor bottle variations.
- Four Independent Nozzles: Each filling nozzle has its own buffer tank and bottle-positioning sensor for precise and independent control.
- Adjustable Nozzle Height: Can accommodate bottles of varying heights for maximum versatility.
- LCD Control Panel: Easy-to-use LCD screen interface for setting parameters, monitoring processes, and adjusting speeds.
- Durable Material: Made from high-quality stainless steel (SS304 and SS316L) for corrosion resistance and easy cleaning.

Technical Specifications

Parameter	Description
Filling Nozzles	4 vacuum filling nozzles with independent buffer tanks
Control System	LCD screen with parameter settings
Bottle Position Sensors	4 sensors for precise positioning control per bottle
Nozzle Height Adjustment	Yes, adjustable to accommodate bottle height variations
Material	Stainless Steel SS304 & SS316L
Explosion-Resistant Model	Available (optional)
Filling Range	Vacuum filling till bottle is full, with overflow recovery
Bottle Height Compatibility	Up to 250 mm
Bottle Mouth Diameter	≤ 20 mm
Minimum Bottle Diameter	≤ 4.5 mm
Operating Temperature	0-30°C
Voltage	220V / 50Hz
Power	0.75 KW
Filling Speed	Adjustable; typically 20-30 bottles/min
Machine Dimensions	800 mm (L) x 600 mm (W) x 1300 mm (H)
Net Weight	Approx. 70 kg
Application	Suitable for perfumes, essential oils, and other light, volatile solutions