

JGF Series Gear Pump Filling Machine



This series of filling machine adopts gear pump flow meter filling method. This machine adopts PLC control, servo control, and quick filling after quick loading, which can ensure the fastest filling speed and prevent filling. The process is overburdened, and the pneumatically closed filling nozzle can effectively prevent dripping during the filling process. This machine is easy to operate and debug, and is widely used for quantitative filling of various oils and other liquid products.

Main Features

- Hardened stainless steel, calibrated shafts with linear bearings for nozzle rack movement smoothness and durability
- Stroke air cylinder with magnetic sensors for nozzle up and down movement
- Hand wheel and shaft mounted stoppers for height and stroke adjustment

Control Panel Features

- Individual volume adjustment for each pump
- Individual speed control adjustment for each pump
- Pumps on-off switch
- Individual or multiple prime pump option
- CO-TRUST/SIEMENS 7-inch touch screen for machine functions
- CO-TRUST/SIEMENS PLC for all machine logic functions, special modifications on programs available for special adaptations
- Three filling options on control panel (up, bottom-up and down)
- Bottle counter
- Front panel start and emergency stop for easy access
- Fiber optic sensors for container gating
- No bottle-no fill, PLC controlled
- Recipe memory minimizes changeover times

Standard Features

- Nozzle spacing fully adjustable through top or bottom screw
- Container height adjustment from 0.5 to 16 inches
- Nozzle stroke adjustment from 0 to 8 inches
- Entry and exit bottle gating cylinders: adjustable sideways, up and down, and inside and outside
- Will work with plastic or glass containers
- No change parts needed for various types of containers
- Air filter regulator and safety lockout valve included
- Spacing and additional bottle control obtained by flow controls mounted on air gating cylinders