



## ***Automatic Multi Head Volumetric Liquid Bottle Filling Machine GALF-100/150/200***



Automatic Volumetric Liquid Bottle Filling Machine work on volumetric principle with diving nozzles. The unit is made compact, versatile and enclosed in stainless steel elegantly matt finish body, consists of S.S. Slat Conveyor, Reciprocating Nozzle with self-centering devices & SS Syringe. No container No filling system arrangement is standard features of the machine.

The main drive of the machine and conveyor drive consist of A/c Motor with synchronized variable A/c Frequency Drive.

### **Operation:**

Containers moving on SS Slat conveyor, feed below the filling nozzles through a settable twin pneumatically operated stopper system. The twin pneumatically operated stopper system and reciprocating nozzles can precisely match for centering of container below nozzles, to avoid spillage of liquid on container.

To minimize foaming adjustable nozzle will reciprocate according to filling dose, nozzle will go upwards slowly from bottom level of bottle towards neck during filling. The dosing block with a hexagonal bolt fitted below syringes. This means fill size can be easily set.

## Technical Specifications:

Model		GALF-100	GALF-150	GALF-200
Output/Hour*		2400 to 6000	3600 to 9000	5000 to 12000
Direction of Movement		Left to Right		
Number of head/Syringe		4 Nos.	6 Nos.	8 Nos.
Fill Size***		5 ml to 100 ml		
Electric Specification **	Main Machine	1 HP / 415Volts / 50 Hz.		1.5 HP / 415Volts / 50 Hz.
	Conveyor	0.5 HP / 415 Volts / 50 Hz.		
Height of Conveyor **		860 mm to 910 mm Adjustable.		

\* Depends on Container size, fill size, Neck diameter of container, and nature of liquid etc.

\*\* We can supply as per customer requirements. \*\*\* With help of change parts.

## Salient Features:

- $\pm 1$  % Filling accuracy on single dose.
- No Bottle No Filling System.
- Rigid vibration free construction for trouble free performance.
- SS Elegantly matt finished body.
- Elegant and easy control panel for total control on operation.
- Minimum change overtime, from one size to another container or fill size.
- Self-lubricating UHMW-PE guide profile for S.S. slat chain provide low friction wear surface, smooth and noiseless conveying.
- Error code display on A/c frequency drive on control panel.
- Drain tray around machine platform.
- Drip tray under the conveyor.
- Pneumatic bottle stopping arrangement.
- Synchronized two nos. A/c drives for main motor & conveyor belt.
- Safety guard for conveyor gearbox, motor and pneumatic cylinders.
- MCB for over load protection, and prevent against short circuit.
- Inbuilt protection against over current, voltage fluctuation, short circuit in A/c frequency drive.