



Automatic Volumetric Six Head Liquid Filling Machine **SBLF - 150**



Description :

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, of S.S Slat Conveyor, Reciprocating Nozzle with self-cantering devices & SS Syringe. No container 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 S.S. 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 cantering 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 Specification of Volumetric Six Head Liquid Filling Machine

Model	SBLF - 150
Output/Hour	3600 to 9000* Depends on size, shape and Neck Dia of container, Fill volume and nature of liquid etc.
Direction of Movement	Left to Right
Number of head/syringe	6 Nos.
Fill Size***	5 ml to 1000 ml
Electrical Specification**	1 HP /415 Volts / 50 Hz.
Main Machine	(1.5 HP if maximum volume is 1000 ml in single doze)
	0.5 HP / 415 Volts / 50 Hz.
Height of Conveyor	860 mm to 910 mm adjustable.
Machine Dimension	2135 mm (L) x 1150 mm (W) x 1610 mm (H)
Case Dimensions	2350 mm (L) x 1350 mm (W) x 1650 mm (H)
Net Weight	700 Kg.
Gross Weight	950 Kg.
Change parts required	(A) Syringes.
	(B) Nozzle
	(C) Inlet & outlet hose pipe

Input Specifications:

Container Neck Diameter**		Minimum 22 mm***
Container Size**Number of head/syringe	Round Shape	(A) Ø 28 mm to Ø 100 mm ***
		(B) Height 58 mm to 240 mm***
		(Height option for other bottle height available)
	Flat / Square	(A) 15 mm to 100 mm (Length)
		(B) 10 mm to 50 mm (Width)
		(C) 58 mm X 240 mm
		(Height option for other bottle height available)

* Depends on size, shape and Neck Dia of container, Fill volume and nature of liquid etc.

** Can be supplied 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.
- S.S. 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 SS slat chain provides low friction wear surface, smooth and noiseless conveying.
- Drip tray under the conveyor.
- Pneumatic bottle stopping arrangement.
- Safety guard for conveyor gear box, motor and pneumatic cylinders.

- MCB for over load protection, and prevention against short circuit.
- Nitrogen flushing system provided (Pre or Post) as required by customer.

Optional Features

- Automatic chain washing system for conveyor belt.
- In-built pre-inspection.
- Acrylic cabinet.
- Acrylic cover on conveyor.
- Nitrogen Flushing.
- Float tank (Holding tank) with or without stirrer.

Utility Requirement

- Electrical Supply: Three Phase + Neutral + Earthing
- Electrical Load: 2 KW
- Air Pressure: 6 bar pressure 0.5 CFM