

DLBF-series Liquid Bottle Filling Machine - Volumetric



The liquid bottle filling machine is used for the filling of free flowing liquids in the in bottles, cans, jars and tubes. The Oral Liquid filling machine is suitable for filling 1ml to 5000 ml of any liquid. The Liquid Bottle Filler operates on the principle of volumetric filling. The machine is also known as the volumetric liquid bottle filling machine and is used for the filling of milk filling, shampoo filling, juice filling, liquor filling, perfume filling in the food cosmetic, beverage and Pharmaceutical industries. The Syrup Bottle Filling Machine works on a volumetric standard and has plunging filling nozzles for the filling of liquid into containers. The pharmaceutical liquid bottle filling machine has a vibration free structure. It has a diving nozzle systems for foam free filling and piston pump filling. The machine is equipped with a "No Bottle No Filling" machine stop mechanism which stops the machine automatically when there is no bottle in the line.

Process of operation

The bottles are carried by a stainless steel conveyor belt under the filling nozzles with the help of stopper system. The reciprocating filling nozzles and mechanical stopper systems brings the bottles below the filling nozzles in the accurate position to avoid the wastage and spillage of liquids outside the bottles. The filling nozzles fill the liquid perfectly according to the amount to be filled. A hexagonal stud stops the filling when the required amount is filled.

Salient features

- In feed & Out feed turn table
- Piston pump filling mechanism
- Foam free filling with Diving nozzle systems for
- "No Bottle No Filling" system
- Protection clutch mounted to avoid overcrowding
- Linear left to right direction
- Suitable for filling all type of glass, plastic bottles and other round bottles
- On line mechanism

Technical Specification

TECHNICAL SPECIFICATION					
MODEL	DLBF-60	DLBF-100	DLBF-150	DLBF-200	DLBF-250
No. Of Head	Two	Four	Six	Eight	Twelve
Bottle Size	05ml to 1000ml	05ml to 1000ml	05ml to 1000ml	05ml to 1000ml	05ml to 1000ml
Bottle type and shape	Round Glass & Pet Bottles	Round Glass & Pet Bottles	Round Glass & Pet Bottles	Round Glass & Pet Bottles	Round Glass & Pet Bottles
Filling Type	Piston Pump Type Volumetric	Piston Pump Type Volumetric	Piston Pump Type Volumetric	Piston Pump Type Volumetric	Piston Pump Type Volumetric
Production / Minute	30 to 50	40 to 80	40 to 120	60 to 150	80 to 200
Filling Accuracy	± 2%	±2%	± 2%	± 2%	± 2%
Filling Material	Liquid	Liquid	Liquid	Liquid	Liquid
Contact Parts	AISI SS 316	AISI SS 316	AISI SS 316	AISI SS 316	AISI SS 316
Non-Contact Parts	SS 304 / M.S. Powder Coated / Nickel Plated	SS 304 / M.S. Powder Coated/ Nickel Plated	SS 304 / M.S. Powder Coated/ Nickel Plated	SS 304 / M.S. Powder Coated / Nickel Plated	SS 304 / M.S. Powder Coated / Nickel Plated
Power Required	1 H.P., 180-230V, 1Phase	1 H.P., 180-230V, 1Phase	1.5 H.P., 180-230V, 1Phase	2 H.P., 180-230V, 1Phase	2 H.P., 180-230V, 1Phase
Dimension	1200mm (L) X 800mm (W) X 1300mm (H) Without Turn Table	1550mm (L) X 800mm (W) X 1300mm (H) Without Turn Table	1800mm (L) X 800mm (W) X 1300mm (H) Without Turn Table	2500mm (L) X 1000mm (W) X 1300mm (H) Without Turn Table	2950mm (L) X 1000mm (W) X 1300mm (H) Without Turn Table
Net Weight	150 Approx	250 Approx	400 Approx	850 Approx	1200 Approx
Gross Weight	350 Approx	490 Approx	600 Approx	1100 Approx	1450 Approx