



Harsiddh Engineering Co.

Liquid Bottle Filling Machine – Volumetric Bottle Liquid Filler HLBF-60



Most pharmaceuticals, food and beverage as well as agrochemicals are packaged in their fluid form. In order to serve these manufacturers with cutting edge filling technologies, Harsiddh engineering Co has introduced a wide range of volumetric liquid bottle filling machine with advanced capabilities.

The liquid bottle filler machine is suitably manufactured for on-line operation and can receive bottles, fill them before pushing them to sealing section. The well designed operation process starts with unscrambling of bottles, feed them through a conveyor where standard filling nozzles with pneumatic and mechanical stoppers pours a calibrated amount of liquid to round or pet bottles. The nozzles are specially designed to center the bottles on filling as well as gradually go up during filling to avoid bubble formation. Our volumetric liquid bottle filling machines have CE certification.

These bottle liquid filling machines are designed for high productivity throughput, durability, high accuracy filling and long service life. The production throughput depends on the model with HLBF-60 having two heads and filling 30 -50 BPM, HLBF-100 having four heads and filling 40 -80 BPM, HLBF-150 having six heads and filling 40 -120 BPM, HLBF-200 having eight heads and filling 60 - 150 BPM and HLBF-250 having two heads and filling 80 -200 BPM. The bottles vary from 0.5 ml to 1000ml.

These liquid bottle filler machines are designed to cGMP model with advanced sensor and control systems to prevent spillage when there is no bottle. Parts in contact with bottle are manufactured from AISI 316 while non-contact ones are made of SS 304 and nickel plated mild steel.

Features:

- Suitable for filling liquid between 10-1000ml.
- The oral liquid filling machine is almost vibration free.

- The bottle syrup filling machine consists of stainless steel conveyor belts, reciprocating nozzles and filling pumps.
- It gives high accuracy in filling liquid.
- The contact parts are made of AISI 316L.
- The primary drive of the machine and that of the conveyor belt consist of AC motor running at variable frequency.

Technical Parameters:

Model No.	HLBF-60 (2 Head)	HLBF-100 (4 Head)
Filling type	Volumetric Piston Pump	Volumetric Piston Pump
Output Per Hour	1000 to 1800 per hour (Depend on size)	2000 to 4500 per hour (Depend on size)
Direction of Movement	Left To Right	Left To Right
No. Of Filling Head / Syringe Pump	Two	Four
Filling Size	10ml to 1000ml	10ml to 1000ml
Power Consumption	For Main Machine – 1 H.P. / 415 V/ 3 Phase, 50Hz	For Main Machine – 1 H.P. / 415 V/ 3 Phase, 50Hz
	For Conveyor – 0.25 H.P. / 415 V/ 3 Phase, 50Hz	For Conveyor – 0.25 H.P. / 415 V/ 3 Phase, 50Hz
Conveyor Height	800 to 900 adjustable	800 to 900 adjustable
Container Dia.	Dia. 28mm to 100mm (Round shape)	Dia. 28mm to 100mm (Round shape)
Container Height	50mm to 250mm	50mm to 250mm
Dimensions	1450mm X 800mm	1750mm X 800mm
Weight	250Kgs	375Kgs

Model No.	HLBF-150 (6 Head)	HLBF-200 (8 Head)
Filling type	Volumetric Piston Pump	Volumetric Piston Pump
Output Per Hour	3000 to 6500 per hour (Depend on size)	5000 to 10000 per hour (Depend on size)
Direction of Movement	Left To Right>	Left To Right
No. Of Filling Head / Syringe Pump	Six>	Eight
Filling Size	10ml to 1000ml	10ml to 1000ml
Power Consumption	For Main Machine – 2 H.P. / 415 V/ 3 Phase, 50Hz	For Main Machine – 3 H.P. / 415 V/ 3 Phase, 50Hz
	For Conveyor – 0.25 H.P. / 415 V/ 3 Phase, 50Hz	For Conveyor – 0.25 H.P. / 415 V/ 3 Phase, 50Hz
Conveyor Height	800 to 900 adjustable	800 to 900 adjustable
Container Dia.	Dia. 28mm to 100mm (Round shape)	Dia. 28mm to 100mm (Round shape)
Container Height	50mm to 250mm	50mm to 250mm
Dimensions	1850mm X 950mm	2250mm X 950mm
Weight	500 Kgs	650Kgs