



Automatic Volumetric Liquid Filling Machine HMPL-VLF



Brief On Machine:

The Automatic Volumetric Filling System consists of main structure, product transmission belt with adjustable guide, Safety acrylic cover (OPTIONAL), pneumatic priming & stopping facility, nozzle & syringes, electrical panel, motor, sensor & AC drive.

Salient Features of Automatic Volumetric Liquid Filling Machine

The unit is made compact & versatile as per GMP norms	The structure is made of MS cladding with SS 304
Rigid vibration free construction for trouble free performance	SS Elegantly matt finished body
Drain tray around the machine platform	Drip tray under the conveyor
Elegant and easy control panel for total control on operation	All interlock must be shown on control panel
±1 % Filling accuracy on single dose	Nitrogen purging arrangement (OPTIONAL)
No Bottle No Filling System – Machine stop at Home position	Diving nozzle device
Minimum change overtime, from one size to another bottle or fill size	Self-lubricating UHMW-PE guide profile for SS slat chain provides low friction wear surface, smooth and noiseless conveying
Pneumatic bottle stopping arrangement	Synchronized two nos. AC drives for main motor & conveyor belt

SS measurement scale for filling volume adjustment	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 AC frequency drive

Technical Specification

Model	HMPL-VLF
Bottle size (Ø)	15mm Ø to 70mm Ø
Output speed	30 to 120 Bottles/Minute
Filling Volume	30 to 200 ML
Direction of Movement	Left to Right
Number of Head/Syringe	4 / 6/ 8 / 10 / 12 Nos.
Fill Size	30 ml to 240 ml Round PET Bottles
Power Supply	Three Phase / 415V AC / 50 Hz
Air Supply	4 to 6 Kg/cm ² (pneumatic operated stopper)
Height of Conveyor	850 ± 50 mm Adjustable
Net Weight Approx.	600 Kg
Dimensions Approx.	2135 mm (L)x 1150mm (W)x 1610mm(H)