

Automatic Rotary Vacuumetric Dry Syrup Filling Machine PAPF-120



Automatic Dry Syrup Powder Filling Machine is compact machine used for filling of the Dry Syrup in the bottles and is most ideal for wide application in Pharma Industries. It is built on strong and robust powder coated M.S. Angle frame Pipe Structure encompassed with S.S.304 hairline pre-finished coverings.

Operation:

In basic design of the machine, powder is to be filled through a Auger I which is located in the hopper and head of the auger is mounted on the top plate of the machine and aligned with the funnel plate. Hopper is located align with the column and filling head of the machine.

The basic function of the dry powder syrup filling machine to fill above 50 gms to 250 gms volume in on high speed concept of this machine Where empty bottle is conveyed from the Conveyor to feed worm, feed worm to infeed star wheel. Infeed star wheel puts the empty bottle on the plunger and plunger is so designed to lift the empty bottles towards the Funnel. At the same time bottle neck enters into the funnel cup. And prevent spillage of powder. The whole attachment is located on the funnel plate. It has provision of funnel vibration and cake breaker. Reaches under the filling head it is held under the funnel. Immediately it is be sensed by the bottle sensor and gives signals to Servo motor to start and rotate which is mounted on auger shaft. It will fill the desired amount of powder to the bottle through auger, volume adjustment controlled by the rotation of auger If there is no bottle, sensor will not give any command and auger will not start. to prevent the spillage of the powder. This called No Bottle No Fill system.

Technical Specification

Model		PAPF-120
Output/Hour*		300 to 7000 bottles
Fill Size***		50 Gms to 250 Gms
Electrical Specifications**	Main Machine	2.0 HP / 415Volts / 50 Hz.
	Conveyor	0.25 HP / 415 Volts / 50 Hz.
	CBC Unit	2.5 amp. 24 vdc.
Machine Dimensions**		2000 mm (L) x 1100 mm (W) x 2000 mm (H)
Case Dimensions		2200 mm (L) x 1300 mm (W) x 1200 mm (H)
Net Weight		1000 Kgs.
Gross Weight		1500 Kgs.
Change parts required		Auger and Star wheel