

Sterile Dry Powder Filling and Stoppering Machine DPF-60/100



The sterile dry powder filling machine is appropriate for filling the sterile powder into the vials. It incorporates a welded frame that is built comprehensively with the stainless steel sheets with the access doors available for serving the machine. All the components that are linked with the machine are directly exposed to the atmosphere and are configured with stainless steel for a long lasting life.

Process of operation

The sterile vial dry powder filling and rubber stoppering machine constitutes the sterile powder that is stored in the powder hopper, supported by the mechanical agitators for maintenance of consistency and uniform bulk density. The container is thereby held firmly between the pair or timing belt to pickup the rubber stopper from the exit end. Further the container is passed between the two pressing rollers for tight fix fitting of the rubber stopper.

Characteristic Features:

- It is a compact cGMP model that works with the principle of non - vial, non - filling system.
- It comprises of a built in rubber stoppering unit that saves sufficient space in the sterile area.
- The motors inside the sterile dry powder filling and stoppering machine are equipped with suitable contractors and relays for protection against overload or jamming respectively.
- There is a variable A.C. Frequency drive that is necessary for the speed control necessarily.
- The driving is done primarily through the supreme quality imported gear motor
- A muti-dosing system with a filling accuracy of nearly $\pm 1\%$.
- The overall structure is in a stainless steel frame that is structured sophisticatedly to avoid any kind of vibration.
- Safety clutch system available for avoidance of bottle breakage.

Technical features

MODEL	DPF-60	DPF-100
Production Rate	20 to 60 Fills/Minute	50 to 100 Fills/Minute
Input Specification	-	-
Container Diameter	25mm to 80mm	25mm to 80mm
Rubber Stopper	20mm, 28mm & 30mm Butyl	20mm, 28mm & 30mm Butyl
Fill Capacity	5 gram to 50 grams in single dose with the help of change parts.	5 gram to 50 grams in single dose with the help of change parts.
Filling Accuracy	± 1% depending upon consistency and uniformity of bulk density of Injectable Powder under controlled level of humidity (Below 28% Rh)	± 1% depending upon consistency and uniformity of bulk density of Injectable Powder under controlled level of humidity (Below 28% Rh)
Power Specification	2 H.P.	2 H.P.
Electrical Characteristics	440 Volts, 3 Phase, 50 Hertz	440 Volts, 3 Phase, 50 Hertz
Utility	-	-
Compressed Air:	Max. 2 Kg./Cm ² Oil Free	Max. 2 Kg./Cm ² Oil Free
Vacuum:	25 Hg. @ 300 LPM Displacement	25 Hg. @ 300 LPM Displacement
Relational Humidity:	Below 28%	Below 28%
Optional Accessories	Pure Air Filter, Vacuum Pump	Pure Air Filter, Vacuum Pump
-	Oil Free Air Compressor	Oil Free Air Compressor
-	Online Pre-Media Filling Arrangement	Online Pre-Media Filling Arrangement
-	Programmable Logic Control (System) with MMI	Programmable Logic Control (System) with MMI
-	Aluminum Profile Cabinet covering full machine	Aluminum Profile Cabinet covering full machine
Overall Dimension:	2400mm (L) X 900mm (W) X 1800mm (H)	2600mm (L) X 900mm (W) X 1800mm (H)