

Injectable Dry Powder Filling With Rubber Stoppering Machine DPF-120/240



The sterile dry powder filling with rubber stoppering machine is a comprehensively designed compact sized model used for filling and stoppering of dry powder injectable into the vials. It comprises of a precision built frame that is coated with the stainless steel sheets with access doors. The model is designed sophisticatedly in accordance to the cGMP standards.

Process of operation

The aseptic dry powder filling machine comprises of sterilized powder that is stored in the powder hopper and supported by the mechanical agitators. Further it is the powder wheel in the machine that rotates at a speed below the powder hopper with no clearance. There is a doctor blade that thereby clears off the excess powder. Lastly the container is passed between two pressing rollers that accounts for tight fixing.

Characteristic Features:

- The dry powder filling stoppering machine is a compact and cGMP model.
- It works on the principle of no-vial no-filling system.
- A multi-dosing system with a volumetric accuracy of nearly $\pm 1\%$.
- A safety clutch system for avoiding any kind of vial breakage.
- The contact parts are exclusively configured with stainless steel that is useful for autoclaving and sterilization.
- Comprises of a digital counter that is used for counting production output.
- Acrylic based cabinet with imported aluminum structure for machines, unscrambled and scrambler.
- Pure air filters available for air and vacuum.
- Pre and post gassing unit available for nitrogen and carbon di oxide flushing.
- A.C. Frequency drives available
- No stopper system in chute and machine stop system.

- Assemblies placed in a position to clean and maintain.
- Vibratory bowl available for running machine with total claimed speed.

Technical features

Here are the technical specifications of the product:

MODEL	DPF-120	DPF-240
Production Rate	30 to 120 Vials/Minute	60 to 240 Vials/Minute
Input Specification	-	-
Container Diameter:	25mm to 38mm	25mm to 38mm
Container Height:	36mm to 75mm	36mm to 75mm
Rubber Stopper:	20mm, 28mm & 30mm Butyl	20mm, 28mm & 30mm Butyl
Fill Capacity	50 mg. to 1.5 gms with the help of change parts. Up to 6 gms filling by multiple dosing.	50 mg. to 1.5 gms with the help of change parts. Up to 6 gms filling by multiple dosing.
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)
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
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%
Overall Dimension:	2100mm (L) X 842mm (W) X 1700mm (H)	2300mm (L) X 842mm (W) X 1700mm (H)