



Harsiddh Engineering Co.

Injectable Dry Powder Vial Filling With Rubber Stoppering Machine (Single Wheel) HPF-120



Our company provides single wheel, high quality injectable dry powder vial filling and rubber sealing machine. This automatic machine fills vials with dry powder and seals them with a rubber stopper.

The vial filler machine operates by first agitating the sterile powder stored in a hopper using a mechanical system. The system is fitted with a rotating powder wheel that has eight ports. Each of the port has vacuum plate and a piston to adjust the amount of powder depending on piston length. During operation, a fixed powder amount is sucked into the powder wheel port while excess materials are scrapped off using a doctor blade. The powder is moved to the vial and any excess powder is removed using compressed nitrogen. Our machine bears CE certification.

Injectable dry powder vial filling and rubber sealing machine has high volumetric filling accuracy and enhanced features such as no vial, no filling system to minimize wastage. It also has an inbuilt vibratory stoppering unit for sealing the vials. It comes with a digital counter to determine the production amounts. The automatic operations maximize throughput and uses stainless steel on parts in contact with vials.

Features:

- Compact cGMP model.
- “No Vial – No Filling” system.
- Multiple Dosing Systems.
- Injectable filling with accuracy of $\pm 1\%$ of uniform density Injectable powder can be ensured by setting the depth of piston in the port of powder wheel.

- Built-in Rubber Stoppering Unit saves lot of space in the Sterile Area & reduces the length of Laminar Air Flow (LAF).
- All motors are provided with appropriate contactors and relays for the protection against any Overload or jamming.
- Rotary turn table attached with the machine for automatic in feed of vial on conveyor.
- Safety clutch system to avoid Vial breakage.
- Variable A.C. Frequency Drive for speed adjustment.
- All parts and assemblies coming in contact with powder and rubber stopper are made of S.S.316 and easily removable for required Autoclaving/ Sterilization.
- S.S. square pipe frame structure to avoid any vibration with adjustable screws to adjust conveyor height – as per out feed of sterilizing tunnel.
- All driving is through High quality imported Gear motor for better vial filler sealer machine performance without vibration.
- Imported Gear Motor for Main drive, in feed and out feed turn tables.
- It is a compact and vibration resistant model.
- To avoid the usage of expensive powder, No Vial – No Filling principle is followed.
- To secure against the overload, the vial filling sealing machine is configured with electric motors with specific contractors and relays.
- All the components are made with AISI SS.316.
- Imported gear motor for the in feed and out feed procedure.
- Whole machine is surrounded by specifically made protection cabinet.

Technical Specification:

Model No.	HPF-120 (Single Powder Wheel & Hopper)
Production Output	40 to 100 vials per minute (Depend on fill size)
Vial Sizes	5ml to 30ml Glass Vials (Dia. 22mm to 38mm)
Rubber Stopper	20mm (With the help of change parts)
Filling Capacity	50mg to 1.5 grams in single dose, 1.5 grams to 6 grams in double, triple and four dose (with help of change parts)
Filling Accuracy	$\pm 1\%$ depending upon consistency and uniformity of bulk density of sterile powder of under controlled level of humidity (Below 28% Rh)
Electrical Supply	2 H.P.
Powder Requirements	3 Phase, 415 Volts, 50 Hz
Conveyor Height	850mm to 900mm Adjustable
Dimension	2800mm (L) X 900mm (W) X 1700mm (H)
Net Weight	650Kgs.
Gross Weight	980Kgs.