

## *Injectable dry Powder Filling Machine NKPF-120*



We Are Pioneer Manufacture Of Single Head Injectable Powder Filling Machine With Rubber Stopper Unit which Is Designated As Model NKPF-120.

### **Salient Features**

- Total Table top cGMP model.
- “NO VIAL, NO FILL” System eliminates wastage of costly powder.
- Spring loaded Teflon top seal for powder hopper reduces the friction between and top seal and avoid chance of white particle shading during production.
- Doctor blade and wiper blade can be adjusted from outside also without disturbing any production, which saves lot of time, powder wastage and chances of area condition disturbance.
- All assemblies under top plate are positioned as for easy cleaning or maintenance.
- Multiple dosing of injectable powder or changeover of container size and different fill size is possible by just changing the vial separator or size of the piston respectively.
- All driving is through High quality Gear motor for better machine performance without vibration or leakage of oil of area floor from gear box.
- Machine speed can be adjusted through A.C. Frequency drive, which is time saving and easy to synchronise unscramble and scrambler speed with machine speed.
- Machine is provided with delrin conveyor belt to avoid sticking of vial on conveyor.
- Special clutch devices are provided on vial separator for safety purpose.
- Vibratory bowl for rubber stoppering unit support to run machine with total claimed speed of machine.
- Vacuum filter will be of PVC transparent material with nylon cartage having length of 10”.
- Pure air filters for Air and Vacuum.
- “No Stopper in Chute, Machine Stop System”

## Machine Working

- The Single Head Injectable Powder Filling Machine with rubber stopper unit is having variable speed S.S. Slat chain Conveyor with optional Turn Table at in-feed & out-feed.
- When the machine starts Vials are feed from Turn Table. Product wheel will separate the vials, Powder is comes from the Hopper, Suck by Filling wheel & then fill in to vial by piston assembly fitted in Filling Wheel.
- Now, filled vials are travel to Stopping Station, Rubber stopper are comes from the hopper by chute one by one with the help of vibratory system. Rubber stopper puts on vials & press wheel are press the stopper on vials. Now, Filled & Stopper vials are goes to discharge end.

## Technical Specifications

Filling Speed	100 Vials/minute based on 5-10ml vial (Depending up on size/types of vial & powder density)
Design	Left --> Right
Powder Fill Size	50 mg to 1.5 grams. Single Dose (with Change Parts) 1.5 grams to 6 grams. Double, Triple and Four Doses. Fill range depending upon vial opening and bulk density of powder. Under controlled level of Humidity (i.e. 25%)
Fill Accuracy	±1% depending upon consistency and uniformity of bulk density of injectable powder
Product Conveyor	50 mm (2") wide S. S. Slat conveyor
Powder Suction	Through Vacuum
Powder Delivered	Through Air/Nitrogen (Customer to Provide)
Stopper Delivered	Through Vibratory Bowl & Chute