

NKPF-240 Automatic Double Wheel Vial Injectable Dry Powder Filling Machine



N.K Industries is a renowned manufacturer, supplier, and exporter of the high-speed Automatic Double Wheel Vial Injectable Dry Powder Filling Machine, Model NKPF-240. This machine operates on an intermittent motion principle and is designed for the precise dosing of sterile powders at mechanical speeds of 240 vials per minute.

Featuring a distinctive vacuum-pressure dosing system, the machine accurately fills glass vials with sterile powders. Subsequently, the vials are sealed with rubber stoppers, ensuring the integrity of the product.

The compact size, cGMP design, and ergonomic features of the Automatic Double Wheel Vial Injectable Dry Powder Filling Machine make it an exceptional solution for powder dosing applications. The machine's unique "No Vial - No Fill" system eliminates the wastage of costly powder by ensuring that filling occurs only when vials are present.

The machine is equipped with digital pressure switches and vacuum switches, offering precise monitoring and control. These features include functionalities such as machine stop in the event of low air pressure or low vacuum, ensuring the highest level of quality and performance.

Choose N.K Industries' Automatic Double Wheel Vial Injectable Dry Powder Filling Machine for high-speed and precise powder dosing. Experience the benefits of its compact size, cGMP design, and advanced features, guaranteeing efficiency, accuracy, and cost savings.

Salient Features:

- Compact footprint with minimal space requirement, integrating turntables, filling, and rubber stoppering modules into one unit.
- CGMP design compliant with industry standards.
- Highly accurate powder dosing system based on vacuum-pressure technology.
- Simple, fast, and repeatable changeover for efficient operations.
- Positive vial transport with vial separator guiding vials through filling and stoppering modules to ensure they remain upright during transport.
- Parts in contact with sterile powder and rubber stoppers made of AISI 316L stainless steel for hygiene and durability.
- Multiple dosing of injectable powder and easy changeover of container sizes and fill sizes by changing the vial separator or piston size, respectively.
- "NO VIAL NO FILL" scheme eliminates wastage of costly sterile powder.
- Unique delrin conveyor belt to prevent vial sticking on the conveyor.
- CE certified electronics for safety and quality assurance.
- Independent pneumatic circuit for vacuum and pressure operations.
- 10-micron vacuum filter and 2-micron air filter for efficient filtration.
- Digital vacuum and pressure switch for monitoring vacuum and air pressure levels

Technical specification:

Filling Speed	240 Vials/minute based on 5-10ml vial for Single Dosage (Depending up on size/types of vial & powder density)
Design	Left to Right
Dosage	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 mouth diameter and bulk density of powder. Under controlled level of Humidity (i.e. 25%)
Dosing wheel	Two
Dosing port / Wheel	8 Nos
Fill Accuracy	±2% depending upon consistency and uniformity of bulk density of injectable powder
Product Conveyor	50 mm (2") wide delrin conveyor
Powder Suction	Through Vacuum
Powder Delivered	Through Air/Nitrogen (Customer to Provide)
Stopper Delivered	Through Vibratory Bowl & Chute
Machine Dimension	2100 (L) x 1170 (W) X 1600 (H)
(L X W X H) MM	