

NAFS-240 Automatic Vertical Servo Ampoule Filling Machine



N.K Industries is proud to present its Automatic Eight Head Vertical Servo Ampoule Filling and Sealing Machine, designed to meet the highest standards of technology in the injectable SVP (Small Volume Parenteral) segment. Our machine incorporates advanced manufacturing techniques to ensure precise filling, minimal breakage, and superior sealing quality.

The Vertical Servo Ampoule Filling and Sealing Machine is capable of handling ampoules ranging from 1 ml to 10 ml in size. With its efficient design and state-of-the-art servo technology, the machine can achieve high output rates of approximately 220 to 240 ampoules per minute for 1 ml and 2 ml ampoules.

One exceptional feature of our machine is the "No Ampoule - No Filling" system, which ensures that filling occurs only when ampoules are present, reducing wastage and ensuring accuracy. Additionally, the machine offers fine volume setting of individual syringes, enabling precise control over the filling process.

Choose N.K Industries for an Automatic Eight Head Vertical Servo Ampoule Filling and Sealing Machine that guarantees accurate filling, minimal breakage, superior sealing, and exceptional features such as the "No Ampoule - No Filling" system and fine volume setting. Experience advanced technology and reliable performance for your injectable SVP production needs.

Salient feature:

The Automatic Eight Head Vertical Ampoule Filling and Sealing Machine from N.K Industries is equipped with highly advanced features to meet the stringent requirements of the pharmaceutical industry. Here are the salient features of the machine:

- CGMP model for compliance with pharmaceutical industry standards.
- Imported gearbox and gear motor for reliable performance.
- Machine frame made of AISI 304 stainless steel for durability and hygiene.
- All contact parts with the liquid are made of AISI 316L stainless steel.
- Diving nozzles prevent foaming and spillage during the filling process.
- High output speed of 240 ampoules per minute for 2 ml ampoules.
- Machine direction from right to left for seamless operation.
- Precise centering of ampoule neck during gas flushing, filling, and sealing stages.
- Pre and post gassing unit for enhanced product integrity.
- PLC system with a touch screen HMI (Make: Delta, Taiwan) for intuitive control.
- Individual adjustment of volume for each syringe through the HMI, eliminating the need for manual tuning.
- S. pipe structure with a toughened glass cabinet for a robust and visually appealing design.
- Flow meter for precise control of LPG, oxygen, and nitrogen gases.
- Ampoule discharge with a pusher arrangement for efficient handling.
- Volume setting can be adjusted from the HMI, as the machine's filling unit is controlled through individual servo motors.
- Can fill up to 10 ml ampoules with minimum change parts.
- Equipped with an emergency button for enhanced safety.
- All electrical and brought-out items are CE certified for compliance with international standards.

Technical Specification:

Model	NAFS-240
Name	Eight Head Vertical Ampoule Filling Sealing & Machine
Output	220-240 Ampoule / minute depending upon Ampoule Diameter
Filling Technology	Advanced Volumetric Syringe based
Filling Accuracy	±1 %
Filling Range	1 ml to 10 ml
No of Filling Head	8 Head (Vertical)
Gas	LPG & Oxygen (Mixture)
Power requirement	230 V ,single phase , 50 HZ
Electrical supply	2 HP
Ampoule Size	1 ml to 10 ml Ampoule
Net Weight	500 KG
Dimension	2800 X 1200 X 1300
(L X W X H) mm	