

NKLFL-100 Automatic Eight Head Volumetric Liquid Filling Machine



N.K Industries, based in Ahmedabad, Gujarat, India, takes pride in manufacturing, supplying, and exporting the high-speed Automatic Eight Head Volumetric Liquid Filling Machine. Designed for Round Bottles, Flat-shaped Bottles, and Glass Vials, this machine boasts an impressive maximum speed of 100 to 120 containers per minute. The output capacity is influenced by various factors, including the nature of liquids, neck diameter or vial/bottle, and fill volume.

Operating on a volumetric principle, the Automatic Eight Head Volumetric Liquid Filling Machine utilizes syringes to draw liquid from the tank and fill it precisely into containers. With the option of a Buffer tank available, the machine ensures a smooth and continuous filling process.

For container sensing, our machine utilizes a special background suppression sensor, enabling reliable and efficient container detection, contributing to the seamless operation of the filling process.

The "No bottle- No Filling" feature adds to the efficiency and accuracy of the machine, eliminating wastage and enhancing productivity.

Constructed with AISI 304 and equipped with AISI 316L contact parts, the machine ensures robustness and compliance with the highest quality standards. Its versatility shines through its capability to fill volumes ranging from 5 ml to 500 ml in a single stroke, with volumes above 500 ml handled with a double stroke. As an optional feature, the machine can be equipped with a Buffer tank of 150 liters capacity, further optimizing the filling process.

Choose N.K Industries as your trusted partner for the Automatic Eight Head Volumetric Liquid Filling Machine. Experience high-speed, precision, and reliability in your liquid filling processes, enhancing the quality and efficiency of your operations.

Contact us today to explore how our Automatic Eight Head Volumetric Liquid Filling Machine can transform your filling processes and meet your specific requirements. Trust N.K Industries for innovation, quality, and excellence in liquid filling solutions.

Salient Feature:

- Quite a compact & modular design
- cGMP model.
- Machine frame made using AISI 304.
- All contact parts with liquid made using AISI 316L.
- Tool Less Guide Rails for Easy Adjustment for container.
- Fill volume can be adjusted with the help of adjustable eccentricity of ram shaft.
- Wide range of syringe selection available to fill from 5 ml to 1000 ml
- Self centring device to take care of non concentricity of container to certain extent.
- Foaming & spillage is avoided due to diving nozzles.
- Long Liquid collection tray with outlet below conveyor to Safeguards transmission assemblies.
- No Bottle – No filling arrangement

Technical Specification:

Model	NKLF-100
Output	100 bottles per minute
Filling Accuracy	±1 %
Filling Range	2 ml to 500ml
	(Above 500ml Help of Stroke system)
No of Filling Head	8 head
Power requirement	440v 3 Phase 50Hz 4 Wire System
Electrical supply	2 HP
Container Diameter	16 mm to 100 mm (With the help of change part)
Container Height	Up to 100 mm
Net Weight	200 KG
Dimension	2400 X 850 x 1700
(L X W X H) mm	