

Vacuum Liquid Filling Machine



Our automatic linear structure vacuum liquid filling machine is a machine that first pumps air to the packing container to form negative pressure, and then fills the liquid into the packing container.

The advantage is that the manufacturing error of the packaging container can be ignored, because it is based on the liquid level, which can obtain good consistency of filling liquid level and appearance, and is most suitable for glass bottle filling. Because the inner volume error of the glass bottle will inevitably appear in the firing process, and the leaking bottle can be found in the packaging process, because the leaking bottle can not form negative pressure, so the material can not be filled.

Description

Vacuum Liquid Filling Machine is one of the main equipment of liquid filling, which is based on automatic filling technology, according to the characteristics of glass bottle / plastic bottle, automatic filling equipment. It can save a lot of manpower and material resources and realize the automatic filling of glass bottles. It can save a lot of manpower and material resources. Realize the automatic filling of red wine. Stainless steel body, compact structure, perfect control system, easy operation, high degree of automation; Parts in contact with materials are made of high quality stainless steel, no dead angle, easy to clean; Using high speed filling valve, the liquid level is accurate without liquid loss, to ensure the filling process requirements; With perfect overload protection device, it can effectively protect the safety of equipment and operators; The control system has the functions of production speed control, missing cap detection, bottle clamping self stop and output counting.

Feature:

1. The machine adopts special filling valve and high-power vacuum pump, and the liquid level is consistent after packaging and filling.
2. When filling, seal the bottle mouth, and the liquid flows down the bottle wall. It effectively controls the foam caused by the liquid impact during filling and prevents liquid spillover.
3. The machine has the advantages of variable frequency speed regulation, fast filling speed, overload protection device, bottle clamping stop, soft start, and elastic bottle supporting device to reduce the damage of bottles.
4. The filling volume is adjusted by adding and subtracting the gasket on the filling valve, which is convenient and fast.
5. The filling range of the machine is large, and the filling volume can be adjusted in 100-1500 ml.
6. It is suitable for a wide range of bottle height, which can be adjusted between 100-380mm.
7. The main seals are made of imported silica gel, and the main parts are made of 304 stainless steel meeting the requirements of food hygiene.
8. The filling valve is easy to disassemble and clean. It can adjust the filling capacity continuously and synchronously, digital display, no bottle, no filling, and equipped with soft support mechanism, which is not easy to be damaged (this machine has two types of manual and electric adjustment).

Technical Parameters:

Parameter of vacuum liquid filling machine	
Weight	150kg
Voltage	380V 220V other voltages can be customized
Filling volume	1ml-10ml,10ml-100ml,100ml-1000ml
Filling accuracy	±1%
Filling products	juice,water,spirit,vinegar,liquid drinks,edible oil,energy gel,pharmacy liquid,wine,milk etc
Air consumption	0.6m ³ /h
Dimensions	1000mmL*1000mmW*1400mmH
Power	0.8KW
Filling nozzles	one nozzle,two nozzles,four nozzles,6nozzles,8nozzles
Capacity	100-1000bottles/h,1000-3000bottles/h
Bottle size	5ml-500ml
Air pressure	0.6-0.8Mpa