

Vacuum Filler F-4HVF



This machine is developed on the basis of oversea advanced technology, it is specialized to use in clarification and filtration of fluid after freezing in cosmetic water and perfume, which is the ideal equipment for cosmetic factory to filtrating cosmetic water and perfume. It adopts stainless steel 304-2B or 316L and pneumatic diaphragm pump imported from America as a pressure to do positive pressure filter. The connected pipe use sanitation grade polishing pipe, quick-install connecting way, easy to take apart and clean. Equipped with polypropylene microporous filter membrane clean and sterilize for little liquid or chemical analysis in cosmetic industry, research institute, hospital, laboratory with convenience and stability.

Features:

- Negative pressure suction fluid filling, product filling capacity based on liquid level height.
- Equipped with wheel, convenient to move.
- Suitable for glass bottle, or plastic bottles that is not easy to be out of shape after vacuumizing.
- Convenient adjustment, operation and maintenance.

Functions:

- This machine adopt fully pneumatic control so it is very suitable for the filling of high foam materials and different capacity of containers.
- The design concept of this machine which developed by our company is: through increase pressure on the filling head, vacuum generator achieves a partial sealing environment in the reflow liquid bottle and filling container. Thus generate a partial vacuum (negative pressure) through vacuum suction to achieve filling process.
- This machine is an ideal type machine which can reach the ideal filling speed and effect after practical commissioning the machine as according to size of the filling container.
- Principle:

- The work principle of this machine (discharge material by itself type) is: switch on the handle valve to connect the air source. Put the filling container right under the filling head, make use of the spring force of the baffle to make filling container upright and seal with filling head. At this time cam open mechanical valve, make the valve of vacuum bottle closed and the suction valve open, make the vacuum generator generate vacuum (negative pressure).
- Vacuum system formed (vacuum bottle-filling head-filling container-silica gel tube of filling head) vacuum suction drive the materials filling into the container. The height of filling the materials in the container rise to the height of the external wrapped tube of the filling head. As the vacuum suction get through the external wrapped tube and suck up materials in the container into vacuum bottle and keep materials in the container a certain height all the time until the filling container removed. The vacuum generator stopped occurring vacuum as mechanical valve closed. Suction tube closed. Valve of the vacuum bottle opened, materials reflow into the barrel due to gravity, and one time cycle filling finished.

Specification:

Model	F-4HVF
Bottle height	≤250 mm
Bottle Mouth Maximum Diameter	≤20 mm
Minimum Diameter	≥4.5 mm
Adjustable liquid High-Level	26-50 mm
Profile Dimensions	660*470*1330mm
Adaptable environment temperature	0-30°C
Power	380V/50 hz
Vacuum pump	XD-020 (Explosion-proof type 2X-4A)
Pumping rate	5.5 L/S (Explosion-proof type 4)
Motor power	0.75 kw