

Ampoule Filling Production Line



The Ampoule SVP Injectable Liquid Filling Production Line includes Ultrasonic washing machine, Sterilizing tunnel, Ampoule filling and sealing machine. Its divided into washing zone, sterilizing zone, filling and sealing zone. This compact line can work together as well as independently. Compared with other manufacturers, our equipment has unique features, including overall dimension smaller, higher automation & stability, lower fault rate and maintenance cost, and etc.

Product Advantages

1. The compact line realizes single linkage, continuous operation from washing, sterilizing filling and sealing. The whole production process realizes cleaning operation; protects products from contamination, meets the GMP production standard.
2. This line adopts water and compressed air cross pressure jet wash and ultrasonic wash at inverted state. The cleaning effect is very good.
3. The ultra filtration technology is applied at the washing machine's filter. The clean and sterile washing water and compressed air is obtained through terminal filter, which can improve the clarity of the washed bottle.
4. Bottle in feed auger and star wheel meet, the auger space is small. Ampoule can walk straight. Ampoule can transfer more stable and can hardly broken.
5. The stainless manipulators are one side fix. The location is more accuracy. The manipulators are wear proof. When changing of pitch the manipulators no need stretch out and turn. The turning bearing wont contaminating the cleaning water.
6. The ampoule are sterilized by the hot air laminar flow sterilization principle. The heat distribution is more even. The ampoule are under the HDC high temperature sterilization condition, which meets the standard of GMP.

7. This equipment adopts negative pressure sealing principle to seal the high efficiency filter which are used for purify the tunnel. The filter is easy to install which can ensure the one hundred purification condition.
8. The equipment adopts hinge type seat heat and horizontal hot air fan structure. The maintenance of the equipment is more convenient and laborsaving.
9. This equipment adopts chain conveying belt with flank. The conveying belt won't be off track, anti-creeper, no bottle falling.
10. The equipment adopts advance technology such as mufti-needle filling, front and rear nitrogen charging and wire drawing sealing, which can meet the standard of different type of products.
11. The fill-seal machine adopts balcony structure. The star wheel in feed and convey bottles continuously, the running of the equipment is stable and less bottle breakage.
12. This equipment is universal. It can't be used to 1-20ml ampoule. Changing parts are convenient. In the meantime, the equipment can be used as vial washing, filling and capping compact line by changing some mould and out feed wheel.

Technical Specifications

Applicable specifications	1-20ml B type ampoules which meets the standard of GB2637.
Maximum capacity	7,000-10,000 pcs/h
WFI consumption	0.2-0.3Mpa 1.0 m3/h
Compressed air consumption	0.4Mpa 50 m3/h
Electric capacity	CLQ114Vertical ultrasonic washing machine:15.7KW
	RSM620/60 Sterilizing and drying machine 46KW, heating power: 38KW
	AGF12 Ampoule filling and sealing machine 2.6KW
Dimensions	CLQ114Vertical ultrasonic washing machine:2500×2500×1300mm
	RSM620/60 Sterilizing and drying machine:4280×1650×2400mm
	AGF12 Ampoule filling and sealing machine:3700×1700×1380 mm
Weight	CLQ114Vertical ultrasonic washing machine:2600 Kg
	RSM620/60 Sterilizing and drying machine:4200 Kg
	AGF12 Ampoule filling and sealing machine:2600 Kg