

SHH-AF Automatic Glass Ampoule Filling Sealing Production Line



This production line is composed of SHH-QCL series Vertical Ultrasonic Bottle Washing Machine, SHH-AMRS series Circulating Hot Air Tunnel Sterilization Oven and SHH-AGF series Vertical Fill-Seal Machine. It is used for the production of 1-20ml ampoule injection and includes three working area including washing area, drying and sterilization area, filling and sealing area, which can be used separately. The whole production line is mainly used for the small volume injection production and is composed of more than 20 procedures, such as water spraying, ultrasonic washing, manipulator taking bottles, bottle turnover, swashing (inner and outer surface of bottles), blowing (inner and outer surface of bottles), preheating, drying and sterilizing, cooling, (nitrogen filling), filling, (nitrogen filling), preheating and sealing.

Characteristics:

1. Ampoule Wash-Dry-Fill-Seal Production Line is used the washing, sterilization, filling and sealing of small volume ampoule injection in workshop. It features advanced design, reasonable structure, high degree of automation, stable and reliable operation, high production efficiency and mechanical and electrical integration. The parts contacted with drug liquid are made of AISI316L and the other are made of AISI304. The materials used have no pollution on drug and environment. The overall design and manufacturing are in line with FDA and the new GMP.
2. Ampoule Wash-Dry-Fill-Seal Production Line is composed of Vertical Ultrasonic Washing Machine, Drying and Sterilization Oven, and Ampoule Fill-Seal Machine. It features coordination interaction, stepless speed regulation and accurate control and can meet production process requirements.
3. It features high production speed, high qualification rate, no impact, no wrong action, no squeezing and on broken bottles.
4. It is equipped with various safety devices to ensure the safety of the operator and machine.

5. Validation ports are reserved on main parts.
6. It features PLC control, touch screen operation and programmed production.
7. Buffer devices are installed on the connection point between three units of the production line, thus able to ensure reliable and stable operation.
8. It has the function of no bottle no filling.
9. It has centralized oil supply system which can easily add oil on lubrication points.

Technical parameters:

Model	SHH-AF2	SHH-AF4	SHH-AF6
Suitable size	2-30ML(vials/ampoule)		
Output(pcs/min)	20-60	40-120	60-200
Filling heads	2	4	6
Power supply	380vV 50HZ		
Power capacity(KW)	79	79	90
Total weight(KG)	8500	8500	8800
Overall diemension	9050*2200*2450	9050*2200*2450	9700*2200*2450
(mm)			

Model	SHH-AF8	SHH-AF10	SHH-AF12
Suitable size	2-30ML(vials/ampoule)		
Output(pcs/min)	100-250	120-300	150-400
Filling heads	8	10	12
Power supply	380vV 50HZ		
Power capacity(KW)	92	108	108
Total weight(KG)	9300	9900	10200
Overall diemension	9700*2200*2450	10850*2200*2450	10850*2200*2450
(mm)			