

## ***KSF80A-C Tube Filling and Sealing Machine***

*Applicable to plastic tubes, compound tubes and metal tubes*



### **Features**

1. Have got CE certification
2. Stable production
3. Meet all GMP requirements
4. Humanization design, lower the height of operation
5. Tube lifter with big capacity and lower height

### **Patent:**

Equipped with discharger which can discharge the hot air and harmful gasses outside.

1. Discharge the unnecessary hot air outside through the hot air processing unit.
2. Avoiding the 600 degree Celsius hot air contact with the material (ointment). Avoiding the material go bad in short time. Avoiding the oil gas and the moisture which is produced when hot air contact with material caused the wrong sealing.
3. Discharge the harmful gases outside the room which is produced when heating the plastic and compound tubes.

### **Parameters:**

1. Adopt to the maximum tube diameter  
Metal tube: 10-35 mm  
Plastic tube and compound tube: 10-60mm
2. The maximum volume:  
Metal tube: 1-150ml  
Plastic tube and compound tube: 1-250ml
3. Produce speed: 60-100pcs/min
4. Air Pressure: 0.4-0.6Mpa
5. The power of machine: 2.2 kw
6. Filling precision:  $\leq \pm 1\%$

### **Function:**

Inner-heating type:

1. The tube is automatically pressed into the tube holder.
2. The elastic tension type tube holder is adopted to guarantee the consistent ceiling height.
3. The automatic color mark adjusting system by stepping driving tube holder is adopted for oval tubes or other special-shaped tubes.
4. Adopt mechanical transmission mode filling system ensuring the stability of loading capacity.
5. Original Swiss LEISTER heater is adopted.
6. The internal wall of tube adopts hot air sealing and the external wall of tube adopts cooling water circulative cooling, which can beautiful sealing effect.
7. The fan (made in Taiwan) is adopted to discharge the poisonous gas produced during the heating outside the room.
8. After the sealing, the wind cooling system is adopted to prevent the heat from being conducted to the ointment.
9. PLC automatic control system.
10. Highly clear stainless steel frame.
11. The connection of emulsifier, cartoning machine and filling machine can be easily achieved.
12. It is easy to operate between different sizes of tubes.
13. Automatic completion of filling, sealing and batch No. printing in one machine.
14. Provided such functions as automatic supply of a tube to a worktable of machine, automatic tube blowing (clearing), tube color mark automatic adjustment in a holder and automatic filling and sealing.
15. Speed shall be adjustable by inverter.
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19. The code mechanical hand prints the code automatically in the request position.
20. Human-machine interface with direct display and control.
21. Tube feeding, absorbing and locating device, which is controlled by the original FESTO vacuum generator.
22. Automatic detection of tube direction inversion. Omron inversion detection phototube can accurately detect the inverted tube.
23. Cam indexing
24. Automatic cleaning the inner tubes and the dust collecting system.
25. Provided with malfunction alarm, automatic stopping device when the door is opened and mechanical overload.
26. The combined material feeding forms of blow cutting and cutting can guarantee the filling of high viscosity.
27. Column style material temperature automatic control blending system. (Optional)
28. Ultrasonic hopper level sensor. (Optional)
29. USA Banner ultrasonic level probe combined with Siemens mould can be used to accurately control material level and give direct display on the touch screen.
30. No tube no fills
31. Material pump (Optional)
32. Water cooler (chiller)—also can be called allocated refrigerator

## PLC Control System

Component	Brand	Technical Parameters
Touch Screen	Siemens	7# color screen
PLC	Siemens	6ES7216
Inverter	Siemens	1.5KW
Encoder	Omron	E6B2 600P/R