

## Zhoushan Jinqi Food Machinery Co., LTD

### JQ6B300 Fill the tank sealing machine

#### Equipment

#### Introduction



**Honesty for this, the first behave,  
then work**

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## J Q6B300 Filling sealing machine

According to the actual situation of domestic large and medium-sized canneries and beverage factories, the company has designed and manufactured the most advanced tank sealing and filling similar products in Switzerland. The pneumatic control automatic lower cover without tank body contact, the equal liquid level filling technology is adopted, the production capacity is



frequency conversion speed regulation, to ensure the beauty and health requirements of the whole machine.(Customer requests for electric mixing)

### 1. Equipment parameters

Number of filled heads: 24 heads

Number of head seals: 6 heads

Production capacity: 100-300 tank / min

(related to tank filling volume)

Applicable tank diameter:  $\Phi 52.5-\Phi 83.3\text{mm}$

Applicable tank height: 70-133mm

Air source pressure: 0.6Mpa

Overall power: 11 KW

Overall dimensions: 3,500 X1950X2200mm.



### 2. Material

A. Transmission components: high-quality carbon steel

B. Filling valve assembly: SUS304 stainless steel, silicone rubber

C. barrel parts: SUS304 stainless steel

D. Filled parts: Pneumatic control, SUS304 stainless steel

E. Conveyor belt part: side plate is SUS304 stainless steel, conveying chain is POM flat

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top chain

F. Workbench components: the frame is carbon steel structure with exterior SUS304 stainless steel guard plate

G. Sealing parts: high-quality carbon steel, bearing steel, and tool steel

**3. Electrical configuration**

A. Touch screen: dimension control	B. PLC: Dimension control
C. Frequency converter: sine	D. proximity switch: Yifu door
E. Switch power supply: Ming Wei	F. Relay: Omron
G. Circuit breaker: Chint	H. Pressure reducing valve: Yadker
I. Power switch: Chint	J. Contactor: Chint
K. Three-phase motor: Luan Xinshun	L. Pneumatic butterfly valve: the square valve
M. Cylinder: Yade passenger	N. Solenoid valve: Yarker
O. Photoelectric switch: Bergafu	

**4. Equipment characteristics**

A. The filling cylinder is equipped with a floating ball level controller to stabilize the liquid level in the cylinder and ensure the stability of filling.

B. Iobaric filling valve, with stable filling flow rate and accurate filling volume.

C. The transition plate between filling and sealing is made of PTFE to reduce friction.

d. After the filling, the tank is transported from the isometric hook chain to the sealing station, combined with the PVC transition plate, minimizing the shaking of the tank body, thus reducing the probability of the liquid coming out of the tank.

E. The sealing adopts double winding, the first sealing wheel is rolled, the second sealing wheel is flat, the sealing is accurate, and the sealing edge is smooth and beautiful.

F. The lower cover parts have no can or cover to reduce cover loss.

The g. cover with steam tank, spray hot steam into the tank mouth before the sealing to improve the vacuum degree in the tank after the sealing (commonly used). Customers can ccess the steam as required.

**5. Equipment workflow**

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This machine adopts the principle of atmospheric pressure filling. When the empty tank enters the lifting tray through the pulling wheel, the filling valve and the empty tank are mixed, and the empty tank is raised and sealed, and the valve mouth of the filling valve is automatically opened. Stop the filling when the return gas outlet of the valve is blocked at the filling liquid level. The can is sent to the sealing head through the hook chain, and the lid is sent to the can mouth by the cover device. When the tank mechanism is raised, the pressure head presses the tank mouth, and the sealing wheel is pre-sealed and sealed. After the tank is sealed, it is rolled out by the tank beating mechanism to complete the process of the tank from filling and sealing.