

# CONTINUOUS WATER SOAKING STERILIZER

## 水浴连续巴式杀菌机

灌装/后杀菌系列  
Filling & second-sterilizing  
machinery



本机是消化吸收德国技术同类产品的基础上，全新设计的，专门应用于乳品、饮料、果冻的二次杀菌。整机符合包装产品接触部分全部采用SUS304不锈钢制作，大链板。链轮也采用同种原料，具有抗酸碱、耐腐蚀的作用，水箱由蒸汽加热，蒸汽用量由蒸汽电磁阀自动控制，热水可充分利用，整机设计合理，制造精良，运行稳定，美观大方。

The sterilizer is newly designed on the basis of absorbing technology of same produces in German. It is specially applied for the second time sterilization of dairy, beverage and jelly. The parts contacting packing products are all made of SUS304 stainless steel, and the large chain board and chain wheel adopt the same materials. It has the functions of anti-acid, anti-alkali, anti-corrosion. The water tank is heated by steam, and the steam volume is controlled by steam solenoid valve automatically. The hot water can be used completely. Reasonable design, fine manufacturing, stable operation and nice appearance.

### 技术参数 Technical Parameter

生产能力 Production capacity	1-5T/H
杀菌温度 Sterilizing temperature	<98°C It can be subject to order
杀菌时间 Sterilizing time	10-35 minute speed infinitive adjusting (速度无极可调)
冷却温度 Cooling temperature	20°C
冷却时间 Cooling time	10-25 minute speed infinitive adjusting (速度无极可调)
蒸汽压力 Steam pressure	0.4 Mpa
链带速度 Link belt time	0.17-10m/min speed infinitive adjusting (速度无极可调)
离心风机 Centrifuge blower fan	3kw
整机重量 Compete weight	About 6000kg
外形尺寸 Outline size	16000x2600x2000 mm

奶粉系列  
Milk Powder  
Equipments

# SINGLE-EFFECT FALLING FILM EVAPORATOR

## 单效降膜蒸发器



### 技术说明

本设备主要用于液态奶生产中物料增浓。物料受热时间短、蒸发温度低，保持了鲜奶的风味，适用于食品、化工、医药乳品、饮料、西药、淀粉糖、等物料浓缩与工业有机溶剂(如酒精)的回收等行业。浓缩比较小、热敏性物料的低温真空浓缩。

**酒精回收：**回收能力大，采用真空浓缩流程。比老型同类设备提高生产率5-10倍，降低能耗30%，具有投资小，回收效益高的特点。

**浓缩液料：**本设备采用外加热自然循环与真空负压蒸发相结合的方式，蒸发速度快，浓缩比可达1.3，液料在全密封状态无泡沫浓缩，用本设备浓缩出来的药液，具有无污染，药味浓的特点，而且清洗方便（打开加热器的上下盖即可进行清洗）。本设备操作简单，占地面积小。加热器、蒸发器采用不锈钢保温结构，保温层外用不锈钢薄板制作外壳，表面做镜面或亚光处理。

### 结构特点

- ◆降膜室用不锈钢整体框架式结构，整体高度低，很适用于液态奶车间安装使用。
- ◆热压泵抽吸二次蒸汽，节约能源。
- ◆设备内装有清洗喷头和 CIP 内部系统，全封闭平衡缸和酸碱缸，可减少污染与酸碱挥发。
- ◆配有工艺流程模拟图的自控箱，清楚地显示设备运行状态，操作方便。

### Technical explanation

The device is mainly used for material concentration during production of liquid milk. The heating time of materials is short and the evaporation temperature is low. It maintains the flavor of fresh milk. And applicable to the concentration of food, chemical industry, dairy, beverage, Western medicine and starch sugar etc. and recovery of industrial organic solvent (such as alcohol). It can be used in the low temperature vacuum concentration of heat sensitive substances with smaller concentration ratio.

**Alcohol recovery:** Large recovery capacity with vacuum concentration process. It increases more than 5-10 times production capacity of the same kind of device. The energy consumption is 30% reduced. It has the characteristics such as small investment and high recovery benefit.

**Liquid concentration:** The device adopts external heating natural cycling mode and vacuum negative pressure evaporating mode, with instant evaporation and great concentration ratio to 1.3. The liquid materials are concentrated without foam under the completely sealed status. The liquid medicine concentrated from the device has no pollution, and has strong flavor of medicine. The cleaning is convenient. (Just open the upper and lower covers of the heater for the cleaning) The operation is

convenient and the space is small. The heater and evaporator adopt stainless steel heat preservation structure. The heat preservation layer adopts stainless steel sheet as the shell. The surface is carried out mirror polishing or matte treatment.

### Structural features

- ◆The falling film room adopts stainless steel integral framework structure with low integral height. It is very suitable for installation in liquid milk workshop.
- ◆The hot pressure pump draws secondary steam, which can save energy.
- ◆The device is installed with cleaning spray head and CIP internal system as well as fully sealed balancing tank and acid & alkali tanks, which can reduce pollution and volatilization of acid & alkali.
- ◆The auto-control cabinet equipped with analogue diagram of technological flow can clearly display the operation status of the device with convenient operation.