

PLATE-TYPE HEAT EXCHANGER

板式换热器

杀菌系列
Sterilizer series

板式换热器广泛应用于冶金、石油、化工、食品、制药、船舶、纺织、造纸等行业，是加热、冷却、热回收、快速灭菌等用途的优良设备。

板式换热器是液液、汽液进行热交换的理想设备。它具有换热效率高、热损失小、结构紧凑轻巧、占地面积小、安装清洗方便、应用广泛、使用寿命长等特点。在相同压力损失情况下，其传热系数比管式换热器高3-5倍，占地面积为管式换热器的三分之一。

酸奶冷却大间隙板式换热器是一种专为高粘度物料降温而特制的换热设备。该设备具有流道宽，换热效率高，粘度破坏性小的特性，是生产高粘度酸奶必备设备。使用时间及两次清洗的时间间隔都比管式换热器的更长，板片表面很容易人工清洗。



Plate-type heat exchanger is used in metallurgy, petroleum, chemical, food, pharmacy, watercraft, textile, paper making areas. It's a good option for heating, cooling, heat recovery or rapid sterilization.

Plate-Type Heat Exchanger is one of the ideal heat exchanger of liquid-liquid or steam-liquid, with advantages of high efficiency of heat transfer, small heat loss, compact structure, small occupation, convenient install and washing, wide usage and long usage life etc. Compared to pipe-type heat exchanger under the same pressure consumption, the transfer coefficient of plate-type heat exchanger is 3-5 times but occupy dimension is only 1/3.

Yogurt cooling large gap plate-type heat exchanger is specially designed for high-viscosity materials. This device is essential equipment with wide flow, high heat transfer efficiency, low damage to produce high viscosity of yogurt. Use time and time interval between two cleaning are both longer than pipe-type heat exchanger, and the surface is easy to clean manually.



技术参数 Technical Parameter

型号 Model	BR03	BR01	BR16	BP2	BR26	BR4	BR56	BR8	BR100	BR130	BR180
单片换热面积 m ² Heat exchanging area of single plate	0.03	0.10	0.16	0.21	0.26	0.43	0.56	0.8	1	1.3	1.8
单台换热面积 m ² Heat exchanging area of single machine	0.1~2	1~6	2~20	3~30	6~50	10~70	15~100	30~150	50~200	60~250	80~300
板片数 Number of plates	4~67	11~61	13~125	15~150	25~193	25~163	28~178	38~188	51~201	47~193	45~167
外形尺寸 Outline dimensions	350-800x 210x600	450-1000x 285x810	600-1200x 350x1320	700-1500x 400x1400	800-1800x 460x1520	800-1800x 700x1550	1000-1800x 810x1600	1000-1800x 1000x1600	1200-2300x 1080x2200	1200-2300x 1150x2300	1200-2300x 1400x2500
设备重量 kg Machine weight	40~120	90~250	150~450	200~650	450~1050	480~1250	650~1550	800~2550	1000~3100	1050~3550	1200~4250

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PLATE-TYPE PASTEURIZER(3 STAGES)

板式巴氏杀菌(三段式)



巴氏杀菌机组的工艺参数：5℃→65℃(均质)→85~95℃(15S)→5℃。

本机组通常用来对物料作巴氏杀菌（包括鲜奶、乳饮料、果汁、茶汁等各类饮料，各种酒类和冰淇淋等热敏性物料），也可以在生产灭菌奶（长效奶）时对原料进行预杀菌。机组可连接分离机、均质机、闪蒸脱气等设备。

本设备具有热回收高，节能降耗，结构紧凑，操作简单，维护方便等特点。

Technical parametres: 5℃→65℃(homogenization) →85~95℃(15S) →5℃.

This unit is used as Pasteurizer(widely used in fresh milk, milk beverage, juice, tea, alcohol, ice cream and other materials with heat sensitivity), and also pre-sterilize material when produce Pasteurized Milk(long life milk).It can be connected with separator, homogenizer, flash evaporator & degasser ect.

It is featured on high heat recovery, lower energy cost, strict design on the construction and easy operation, simple maintenance.

控制方式：
a) 全自动控制(PLC，触摸屏显示)
b) 半自动(PID智能仪表)

Control type:
a) Full-automatic control (PLC with touch screen);
b) Semi automatic PID Control.

设备主要配置：
a) 板式换热器
b) 物料平衡桶
c) 热水系统
d) 进口热水泵
e) 物料输送泵
f) 电气控制系统
g) 温度控制及记录仪
h) 不锈钢管路阀门等。

Standard attachments:
a) Plate heat exchanger;
b) Material-balance bucket;
c) Hot water-balance drum;
d) Hot water pump;
e) Product pump;
f) Steam & water mixer;
g) Electricity box;
h) Stainless steel pipes and valves etc.

Production capacity: 500L-20T/H

处理能力：500L-20T/H

技术参数 Technical Parameter

型号 Model	处理能力 Process capacity	换热面积 Heat exchanging area(m ²)	总功率 Power (kw)	蒸汽耗量 Steam cost (kg/h)	外形尺寸 External dimension (mm)	整机重量 Total weight of machine (kg)
BR16-3-0.5	0.5	5	5.2	52	1200 × 1200 × 1500	790
BR16-3-1	1	8	5.2	60	1500 × 1500 × 1800	880
BR16-3-2	2 t/h	13	6	104	1800 × 2000 × 1800	980
BR26-3-3	3 t/h	20	6	156	2000 × 2000 × 2200	1080
BR26-3-4-5	4-5 t/h	30-45	8	260	2250 × 2000 × 2200	1250
BR26-3-6-8	6-8 t/h	35-50	8	400	2250 × 2000 × 2200	1250
BR26-3-10	10 t/h	60	11	520	2800 × 2000 × 2200	1650
BR35-3-15	15 t/h	75	15	780	3000 × 2200 × 2200	2150
BR35-3-20	20 t/h	80	18	945	3300 × 2200 × 2200	2350