

# SUCCESSFUL CASE

## 工程案例

不锈钢贮罐系列  
Stainless steel storage tank series



茶饮料生产线  
Tea drinks production line



果蔬汁饮料  
Fruit and vegetable juice drinks



奶粉生产线  
Milk powder production line



全自动果蔬汁饮料  
Automatic fruit and vegetable juice production line



全自动乳品生产线  
Automatic dairy production line



植物蛋白饮料生产线  
Vegetable protein drinks production line

# TEA EXTRACTING SYSTEM

## 茶叶萃取系统

不锈钢贮罐系列  
Stainless steel storage tank series



### 适用范围

适用于茶叶、中草药的萃取浸提。

### 技术说明

- ◆萃取提汁系统是采用75℃至95℃（依据不同工艺条件而定）纯水浸泡茶叶，进而将茶叶中的有效成分萃取出来，并分离为茶汤的过程。
- ◆本系统通过对热水制造设备、浸泡吊篮与过滤分离程序的良好设计，保障了设备生产上的合理性和连续性。其中，热水温度的控制、茶水比例、浸提时间及次数与茶汤的分离澄清是本系统的关键。
- ◆通过利用PLC程式控制，可以精确设定浸泡时间，滞留时间、萃取次数，从而保证浸出茶汤的品质。

### Application

Suitable for the extraction of tea leaves, Chinese herbal medicine.

### Technical explanation:

- ◆75 °C to 95 °C pure water is applied for dipping tea leaf in this unit, tea solution is then filtered and clarified after most valuable components are extracted out.
- ◆With logical design of hot-water generator, dipping vessels and separating sequence, rationality and continuity of realistic operation are guaranteed. Control of hot water's temperature, proportion of tea and water, dipping time and times, separation and clarification of tea solution are key points in this unit
- ◆Dipping time, holding time and times of dipping can be exactly set through PLC control and therefore nice quality of tea solution is obtained.



### 技术参数 Technical Parameter

型号 Model	有效容积(V) Diameter (L)	内径(D) Inner diameter (mm)	总高(H) Height (mm)	保温PU Insulation (δ)mm	夹套厚(δ) Jacket mm	进出口径 Diameter of inlet/outlet
BYCQ-500	500	800	2140	50	1.5	φ38 / φ51
BYCQ-1	1000	1050	2380	50	1.5	φ38 / φ51
BYCQ-1.5	1500	1180	2550	50	1.5	φ38 / φ51
BYCQ-2	2000	1340	2760	50	1.5	φ38 / φ51
BYCQ-2.5	2500	1420	2940	50	1.5	φ38 / φ51
BYCQ-3	3000	1540	3050	50	1.5	φ38 / φ51
BYCQ-4	4000	1650	3200	50	1.5	φ38 / φ51
BYCQ-5	5000	1780	3250	50	1.5	φ38 / φ51