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Guangzhou Icesource CO., Ltd.

Large Edible Tube Ice Machine Be engaged in general equipment applications in low temperature technology

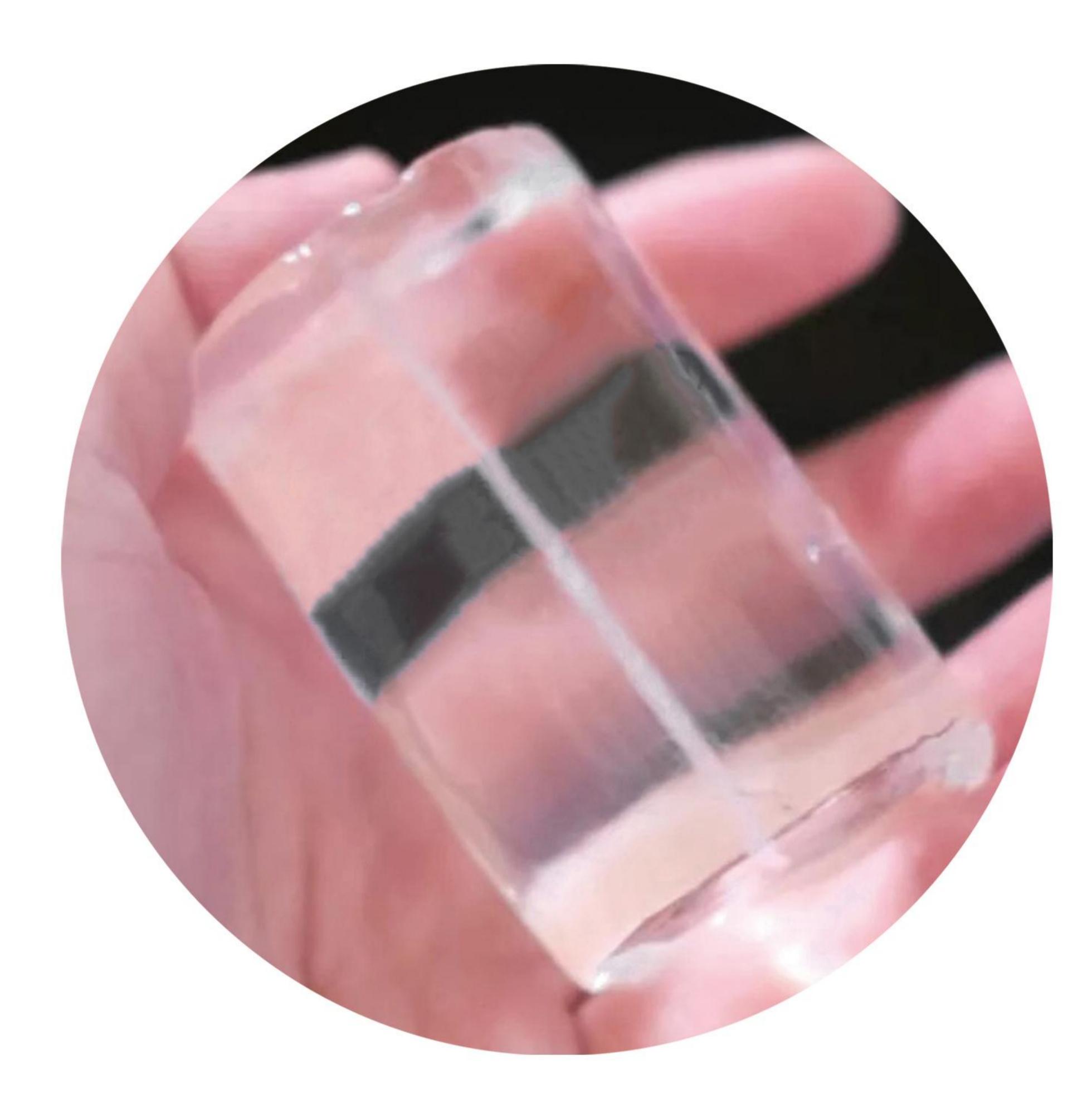
and developing of exhaust heat utilization technology in refrigeration system.





The tube ice is glittering and translucent with the hole in the middle. Put the tube ice into the drinks, take a sip, refreshing and Refreshing





Edible Tube Ice Machine

The tube ice has the smaller contact area among all the ice in the market. It is famous for making the ice with irregular length and with the hole in the middle.

Tube Ice Size

The external ice diameter is 22mm, 28mm and 35mm. The hole in the middle can be adjusted according to the ice making time, normally it is between 1mm to 10mm.

Feature

The tube ice is the common ice. It is favored by lots of clients due to its glittering and translucent, thick thickness and good melting resistance, beautiful look, long storage life, excellent expansibility.

Application Fields

Foods ice preservation and the retain freshness, medical application, KTV,banquet hall, drink modulation, western restaurant, hotel, bar, fast food restaurants, cold drink shops, beer house ext . which needs the tube ice.

15

History Background of Tube ice machine

1748

Artificial refrigeration principle

1850

In 1748 Professor William Coulomb demonstrated the artificial refrigeration principle at the University of Glasgow in Scotland.

The first ice machine in the world

In 1850 the United States Florida physicist John Gree in his private party to show the first human ice machine. It marked the artificial ice into the industrialization.

1929

The world first tube ice machine

IIn 1929, Germany Aachen University of physics professor Jüergen Hans invented the world's first ice machine in Cologne. In 1932, it established the Külinda company in Frankfurt, it provided ice making machine custom -services to the European royal family's top dining facilities.

The tube ice machine broke into China market

In 1986, the Shanghai fishery company bought the China first tube ice machine, used in food preservation. This marked the tube ice machine formally entered the Chinese market.

1986

2008

Guangzhou icesource tube ice machine came to the world

2013

In 2008, Guangzhou Icesource researched and developed the first 5 tons tube ice machine independently, and it had been sent to National technical inspection center (Guangzhou) for the performance test.

Guangzhou Icesource large tube ice machine

Guangzhou Icesource is adhering to the idea of technological innovation is the company's development and growth of the tireless driving force, we develop new refrigeration technology on the large edible tube ice machine successfully. Guangzhou Icesource large tube ice machines are sold to Latin America, East Asia, Southeast Asia and Middle East countries ect., it marks Guangzhou Icesource technology for manufacturing large tube ice machines has been ranked first in the industry.

2022

Guangzhou Icesource large tube ice machine

Large tube ice machine made a breakthrough, using the latest front-end design models, the daily production capacity is more tons. By using the intelligent technology, the efficiency is extremely high. The tube ice is beautiful, pure and sanitary.



The daily production of the tube ice machine is from 1 ton to 50 tons. The 1 ton to 8 tons tube ice machines are the integrated design.

The 10 tons to 50 tons tube ice machines are the split design.

The refrigerant is R22, R404a or R507. Due to the tube ice machine adopt the full-liquid refrigeration system, the refrigerant quantity needed is large, so by using different refrigerant, the machine price will be different. The machine voltage will be customized according to clients' local condition, normally the voltage is: 380-415v/50hz/3ph, 220-240v/60hz/3ph, 380v/60hz/3ph, 420-440v/60hz/3ph.

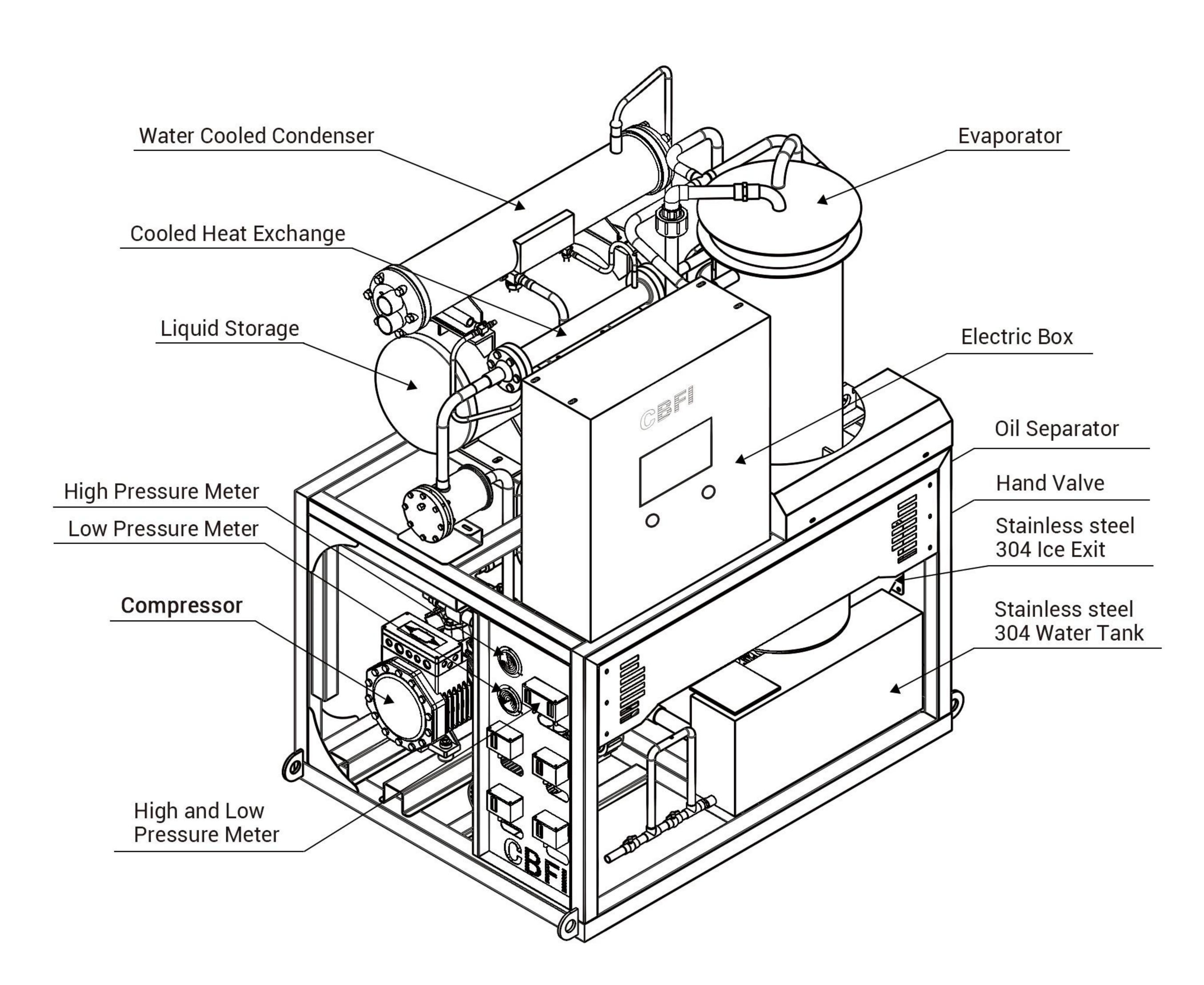
Structure drawing of integrated design tube ice machine

Integrated design automatic edible tube ice machine.

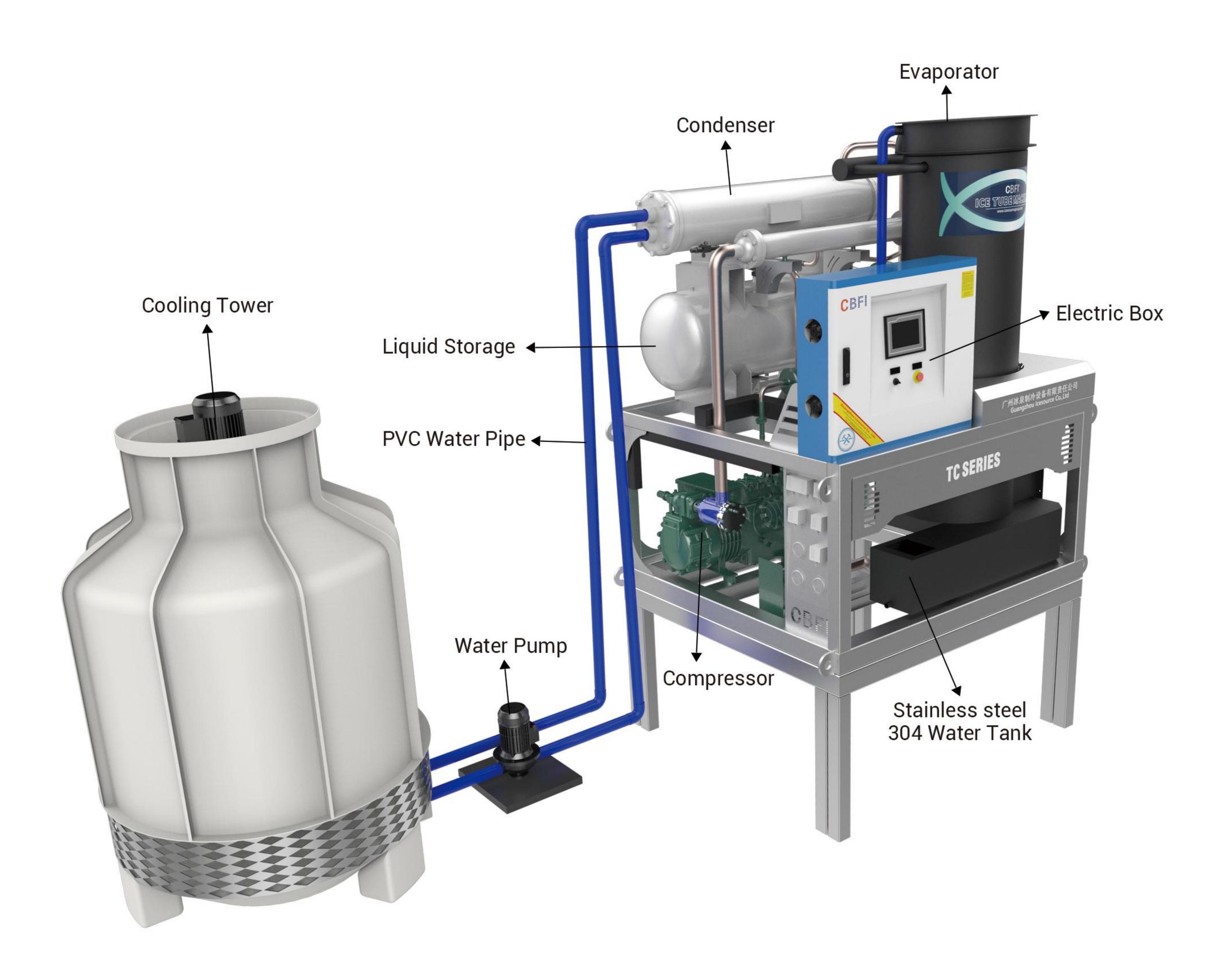
1 ton to 8 tons tube ice machines adopt integrated design.

Advantage:

- . 3D modeling assembly tight, compact structure, simple operation and maintenance.
- . The evaporator heat exchange pipes are imported from Japan, using the hydraulic expansion technology to weld, no leakage, it makes sure the smooth of ice-uploading.
- . The refrigeration uses the instantaneous flow period design.

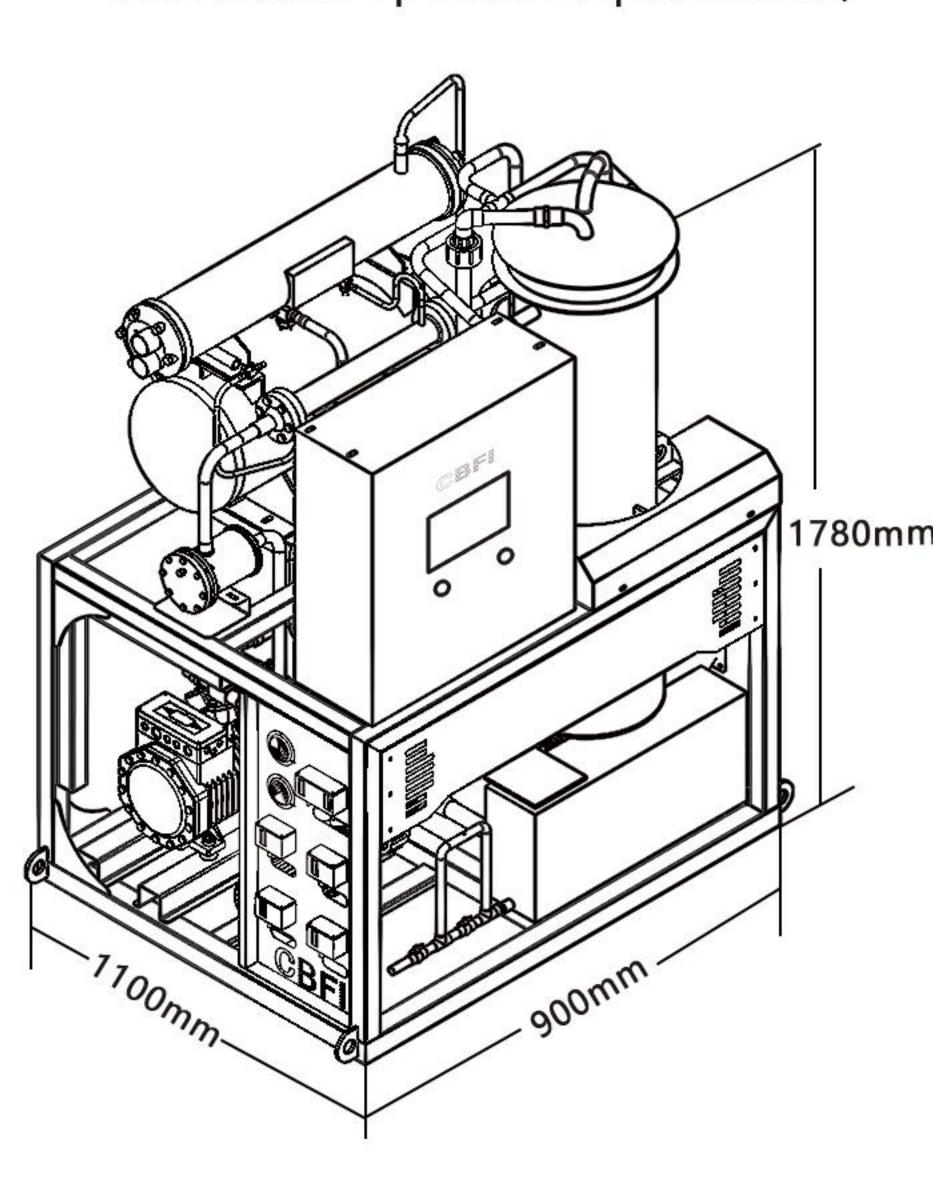


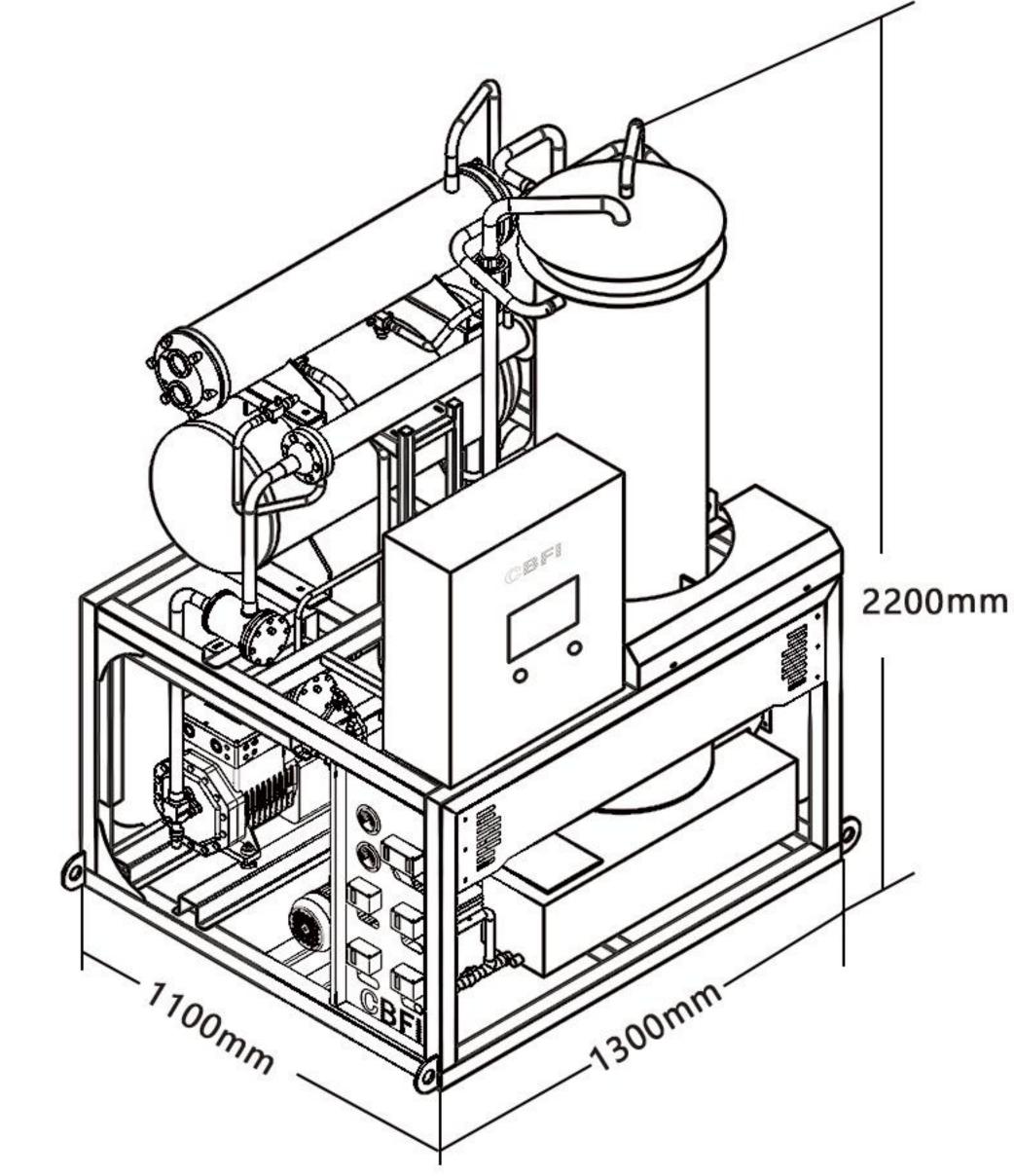
Tube ice machine is the machine that produce tube ice. Many stainless steel 304 tubes combine the evaporator, the refrigerant flow between the tubes, the water flow from the top to the button in the spiral shape, the water will become ice in the process of flow. Equipped with digital voltage control, mechanical pressure control and time relay triple protection, strictly control the ice forming speed, prevent the frost-crack of stainless steel tube. Under the action of three kinds of controller in the appeal, the evaporator offers the heat after ice-forming, so the ice falls down freely, at the same time, the ice is tangent to the ice cutter, it becomes the tubular shape ice, this is tube ice.



Integrated design tube ice machine

Normally the integrated design tube ice machines are 1 ton, 3 tons, 5 tons, 5 tons air cooling. The non-standard tube ice machine can be customized according to customers special requirement,









Ice Making Capacity: 1Ton/24h Compressor Rated Power: 3KW Circulating Water Pump Power: 0.37KW Cooling Water Pump Power: 1.1KW Cooling Fan Motor Power: 0.18KW Ice Cutter Motor Power: 0.75KW Ice making machine size: 1100x900x1780 (mm)

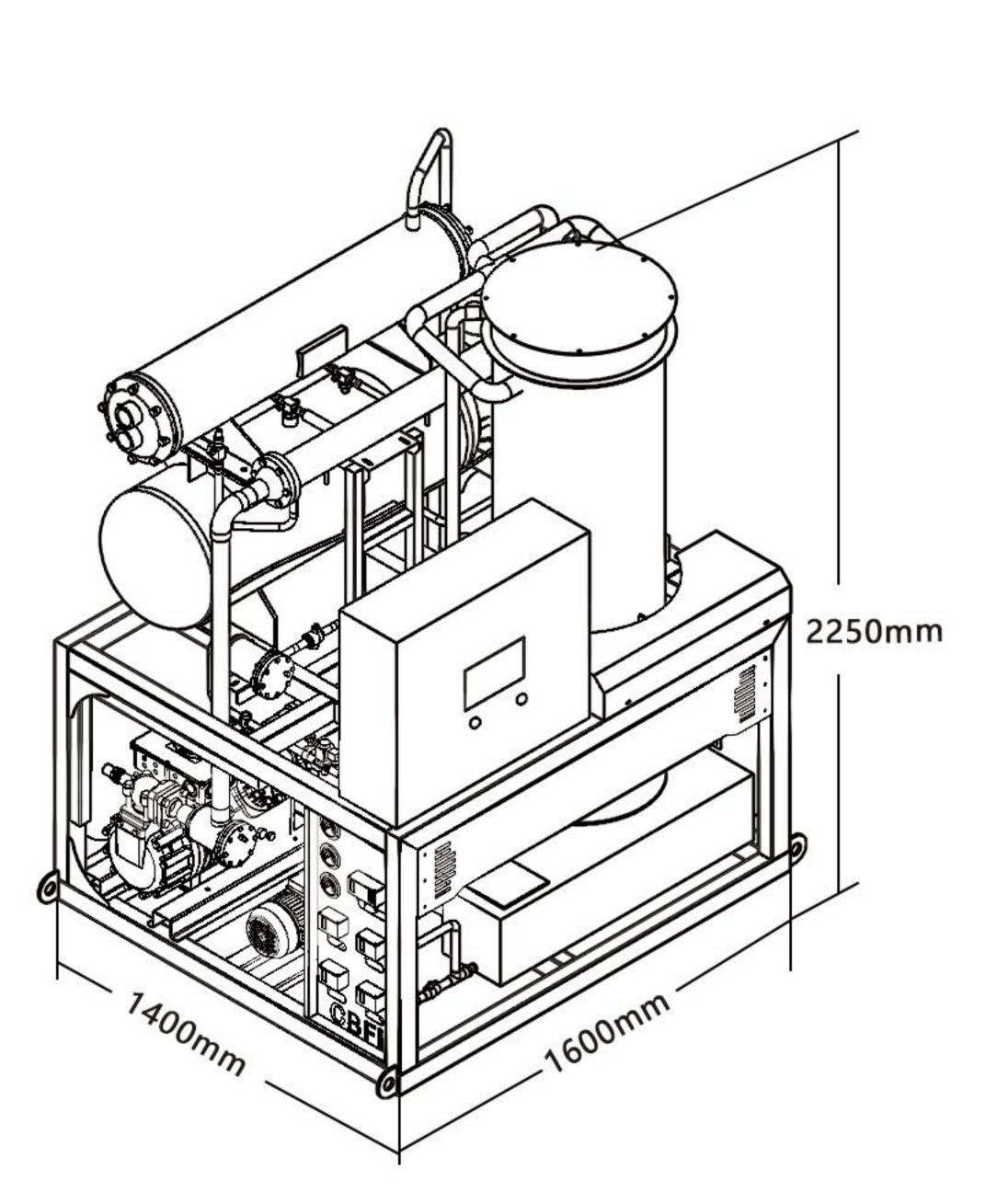
Weight: 900KG

TV10 1 ton Tube Ice Machine

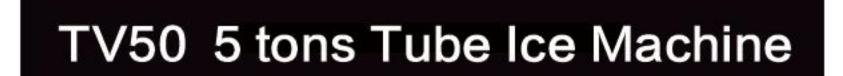
Ice Making Capacity: 3Ton/24h Compressor Rated Power: 9KW Circulating Water Pump Power: 0.75KW Cooling Water Pump Power: 1.5KW Cooling Fan Motor Power: 0.56KW Ice Cutter Motor Power: 0.75KW Ice making machine size: 1300x1100x2200 (mm)

Weight: 1500KG

TV30 3 tons Tube Ice Machine



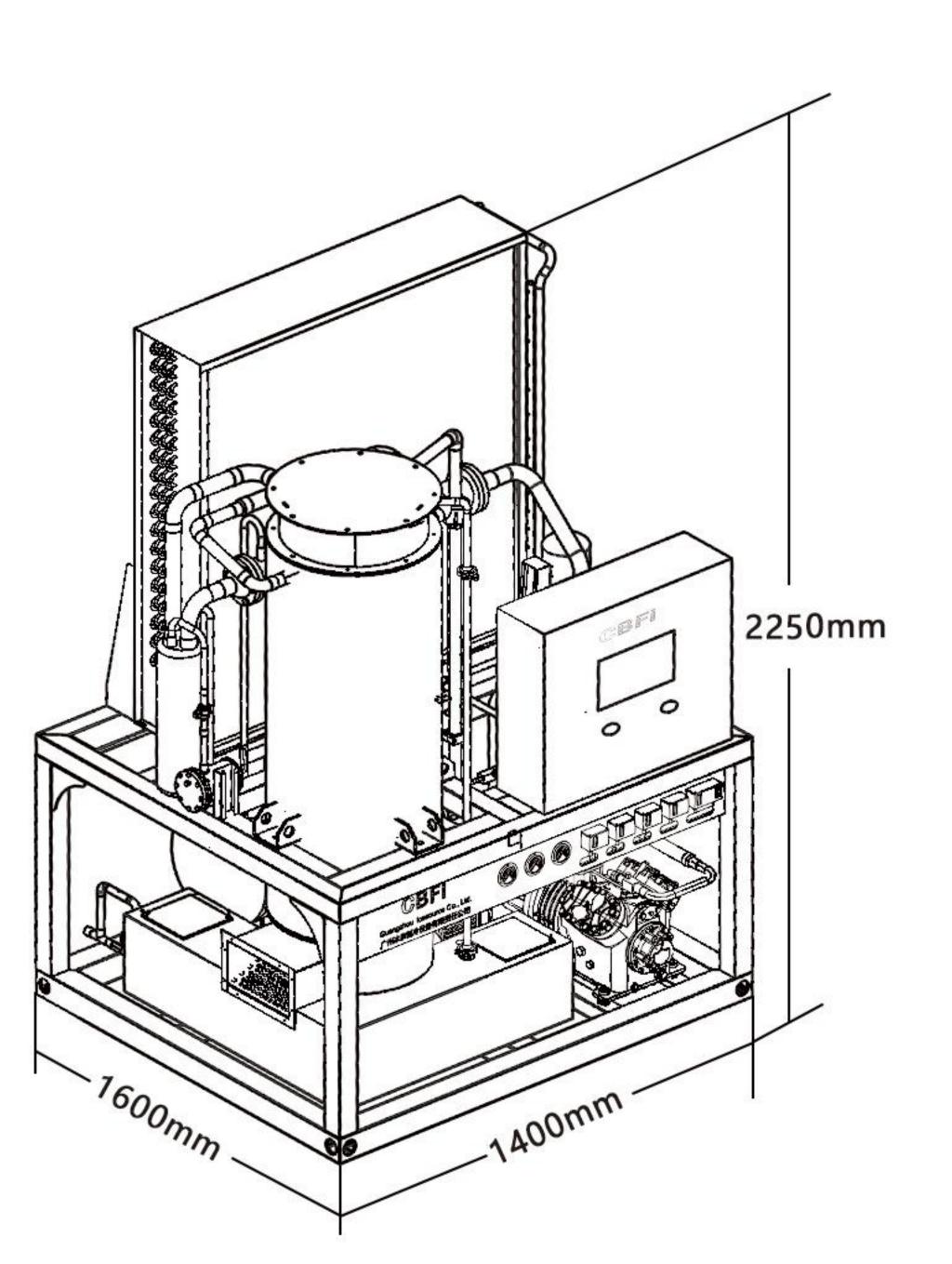




Ice Making Capacity: 5Ton/24h Compressor Rated Power: 18.75KW Circulating Water Pump Power: 1.5KW Cooling Water Pump Power: 2.2KW Cooling Fan Motor Power: 0.75KW Ice Cutter Motor Power: 1.5KW

Ice making machine size: 1600x1400x2250 (mm)

Weight: 1500KG





TV50 5 tons Air Cooling Tube Ice Machine

Ice Making Capacity: 5Ton/24h Compressor Rated Power: 18.75KW Circulating Water Pump Power: 1.5KW Cooling Water Pump Power: 2.2KW Cooling Fan Motor Power: 2.4KW Ice Cutter Motor Power: 1.5KW

Ice making machine size: 1600x1400x2250 (mm)

Weight: 1500KG

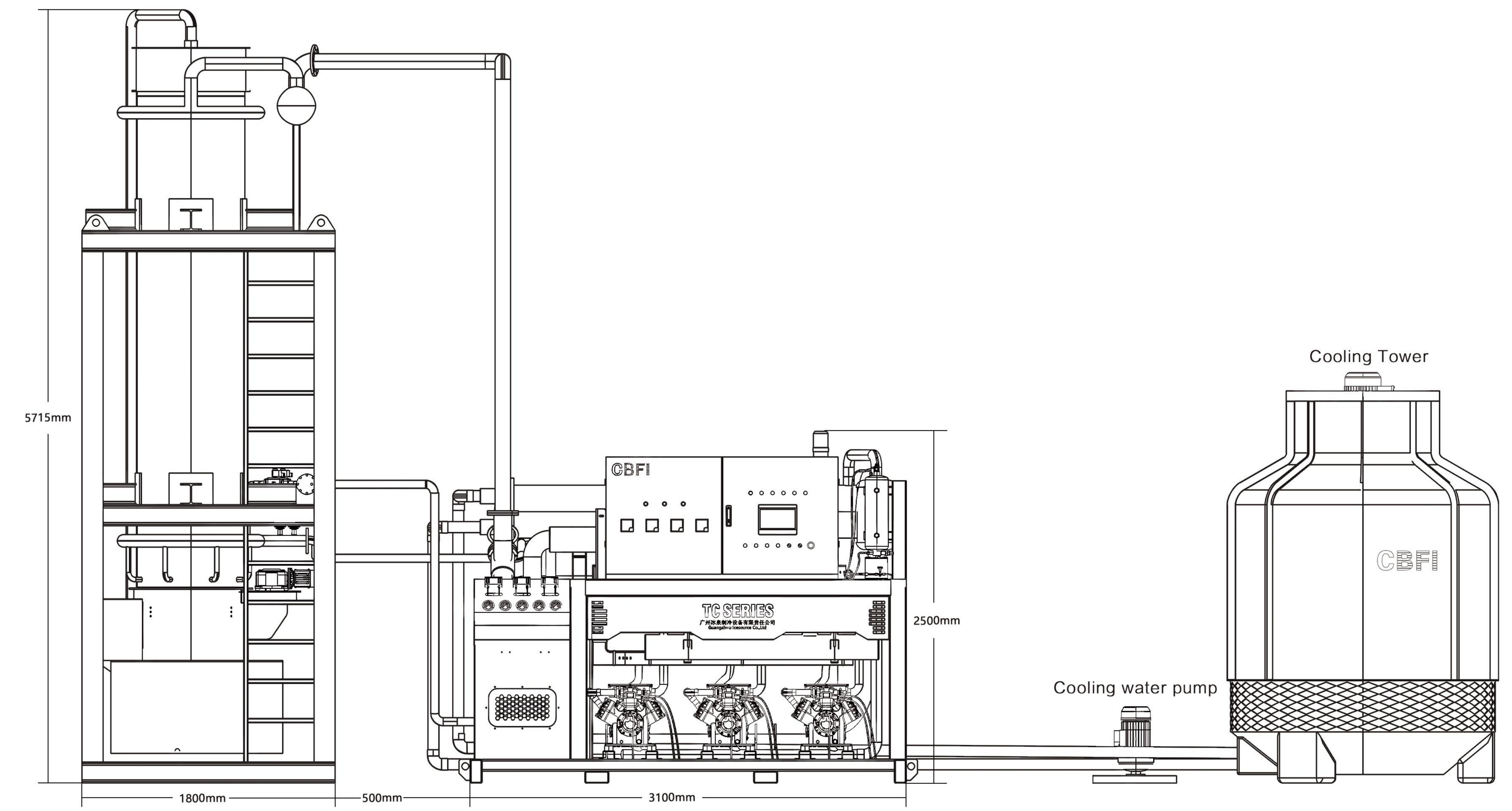


Structure drawing of split design tube ice machine

We adopt the split design for 10 tons and above large and fully automatic edible tube ice machine, the reasons are as followed.

Advantage:

- . The large tube ice machine is with the large volume, the machine will be too high if it is integrated design, accordingly the factory room must be much higher too.
- . The high tube ice machine will give the negative influence on the shipping.
- . The split large tube ice machine can be easy operation, simple installation, convenient and fast maintenance.



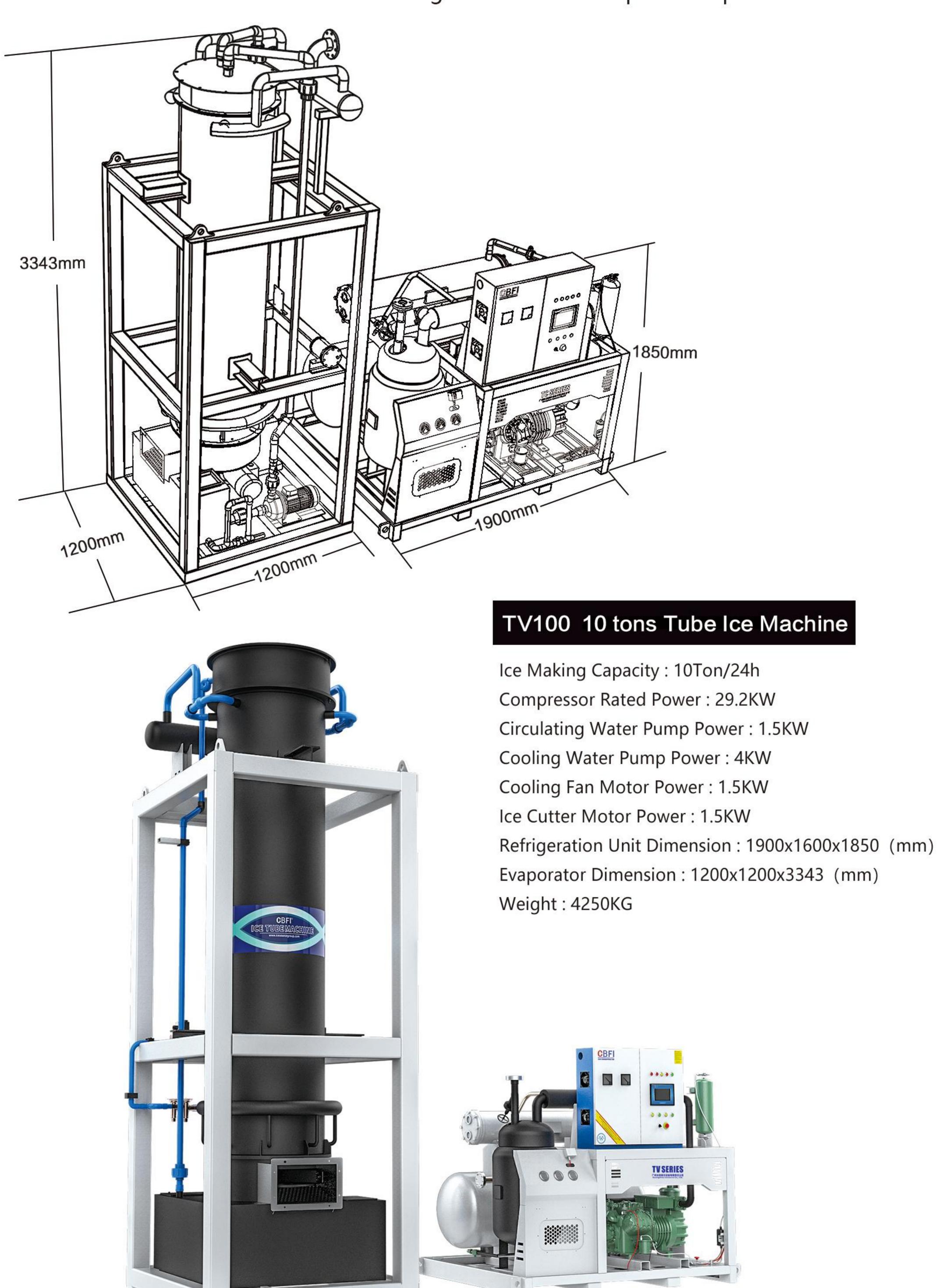
Refrigeration principle for tube ice machine

Water cooled tube ice machine includes cooling tower, water cooled condenser, cooling water pump and cooling water pipes. The water in the cooling tower chassis goes to condenser (up in, down out) through the water pump. Inside the condenser, after the water has the heat exchange with the high temperature high pressure refrigerant, the cooled water has been sent to the water-spray pipes on the top of the cooling tower, the water-spray pipes is down 45 degree and the water will spray on the cooling tower filler. It will become the water film on the surface of the cooling tower filler. Under the function of the motor, the heat from the system will go to atmosphere. Water goes into the cooling tower chassis again, goes into the next cooling circulation.



Split design tube ice machine

10 tons to 50 tons tube ice machines adopt split design. The non-standard tube ice machine can be customized according to customers 'special requirement.







Tube ice making factory design in Korea

With the development of social economy, people's living standard has been improved and their demand on food application is higher and higher. At the present market, most of ice plant runs in this model: it just has one set ice machine, one worker and one small cold room and the ice production cannot meet the national food requirements. Aiming at edible ice market, our company has been through years of experience in the production of edible ice equipment and feedback on market research. According to production process specification of edible ice and requirements 《SB/T 10017-2008》, we specially designed the latest ice plant that conformity with QC and improve the safety of edible ice. Thus, it can stop ice contamination from the source and make customer's ice plant regulation and say goodbye to tiny workshop. In order to assure consumers enjoy ice in safety and security, we contribute to the standardization of the edible ice market.

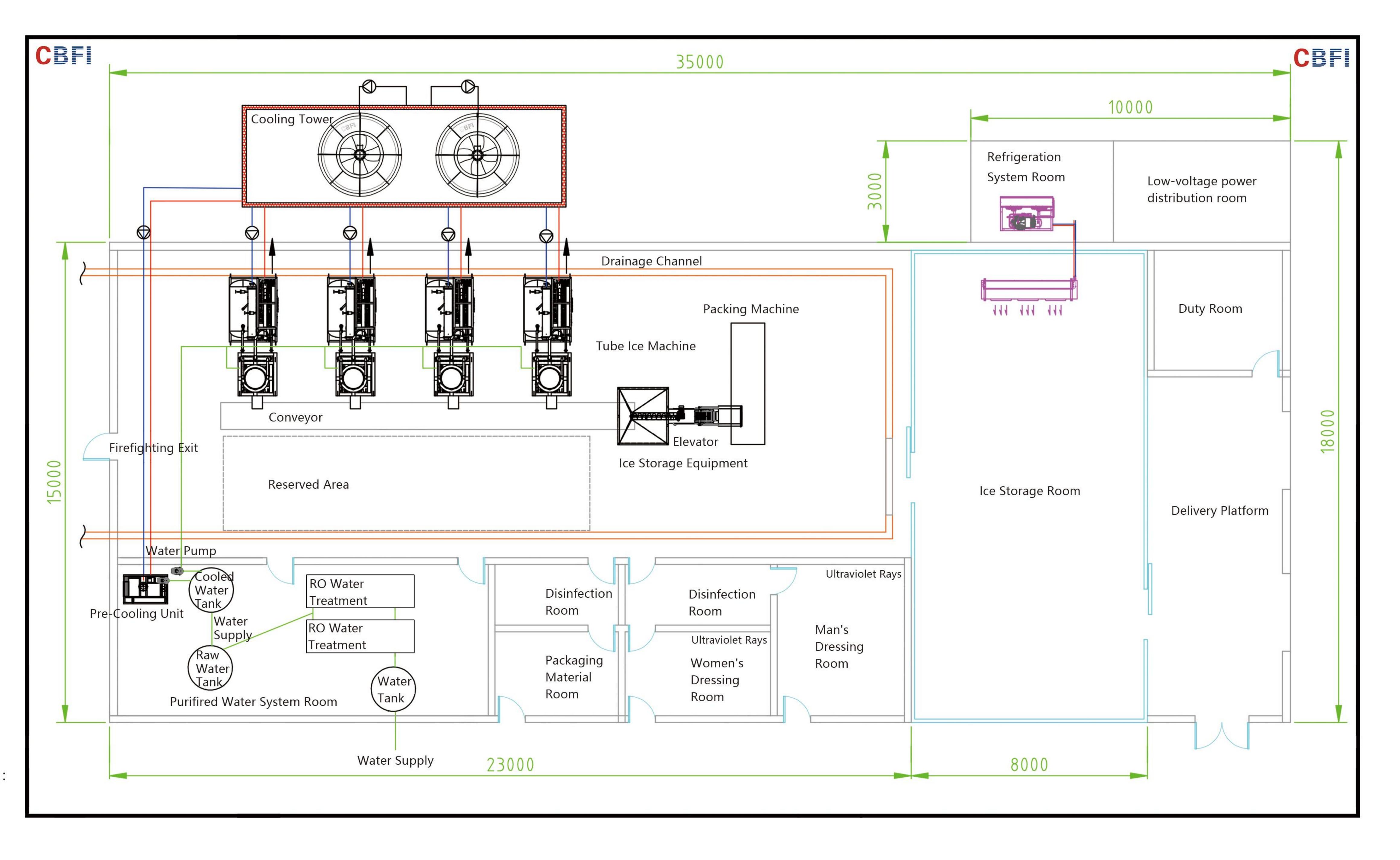
The solution for Korea edible tube ice machine QC factory

One of the Korea company is the leader of the local edible ice production and supply. In order to meet growing market demand, they start looking for refrigeration equipment manufacturers. Guangzhou Icesource offered the full range of solutions for their new ice making factory. Standard equipment: 4 sets of 30 tons tube ice machine;

RO water filter machine;

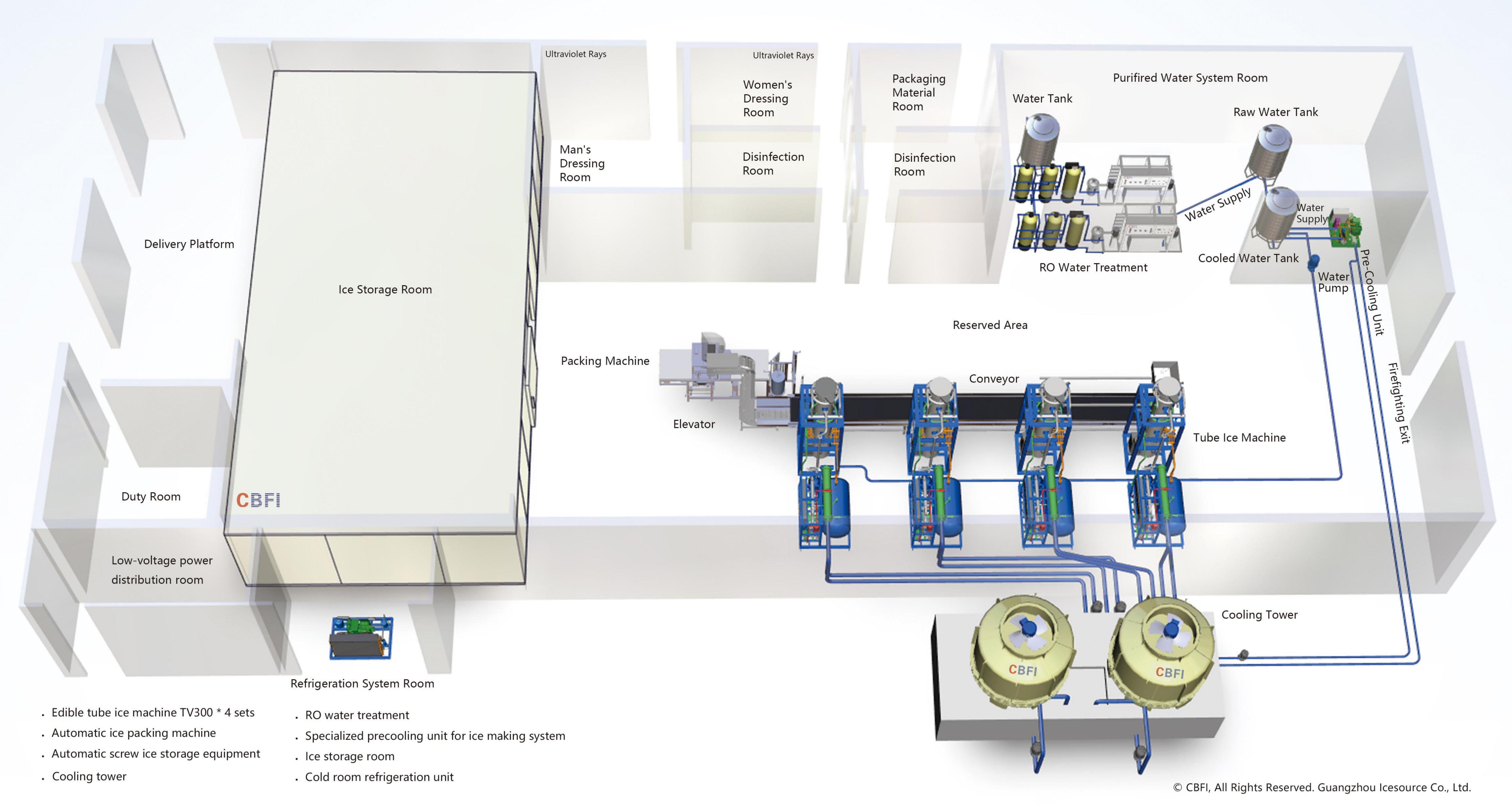
one set ice storage room;

Other supporting facilities: need to equip with male and female dressing room, packing room, pure water room, disinfection room, disinfection equipment, low-voltage power distribution room, refrigeration system room. In order to improve the production capacity, the following equipment is optional: dedicated precooling chiller (it can improve the capacity by 10%), ice storage equipment + screw conveyor + automatic ice packing machine.

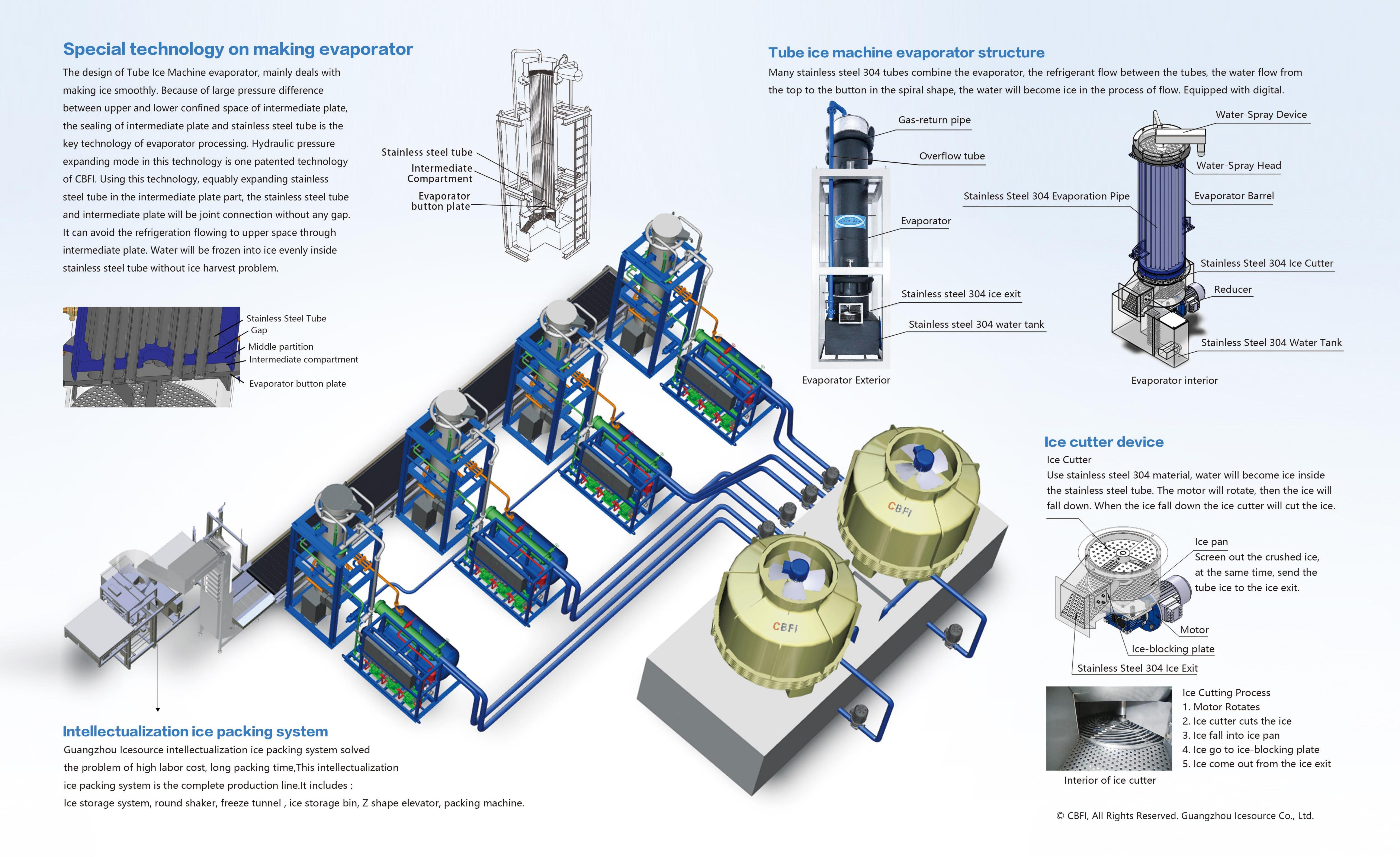


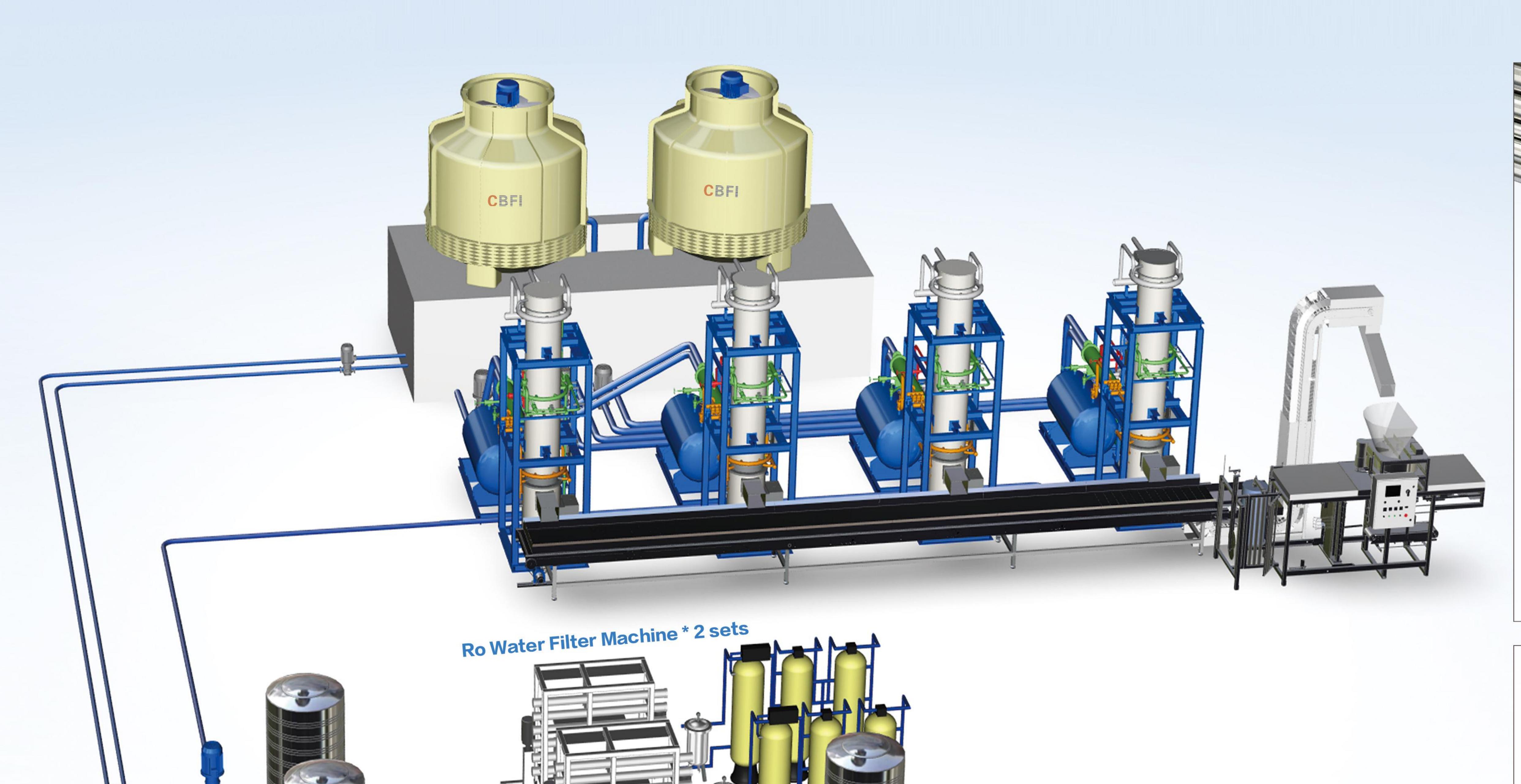


Virtual simulation diagram of tube ice machine factory









Ice Making System Dedicated Precooling Chiller

To make the ice-making water into 7-10°C, shorten the ice-making time. Each machine's production can increase by 10%, so 4 sets of the 30 tons tube ice machine TV300 will make 12 tons tube ice per day. Feature of water chiller:

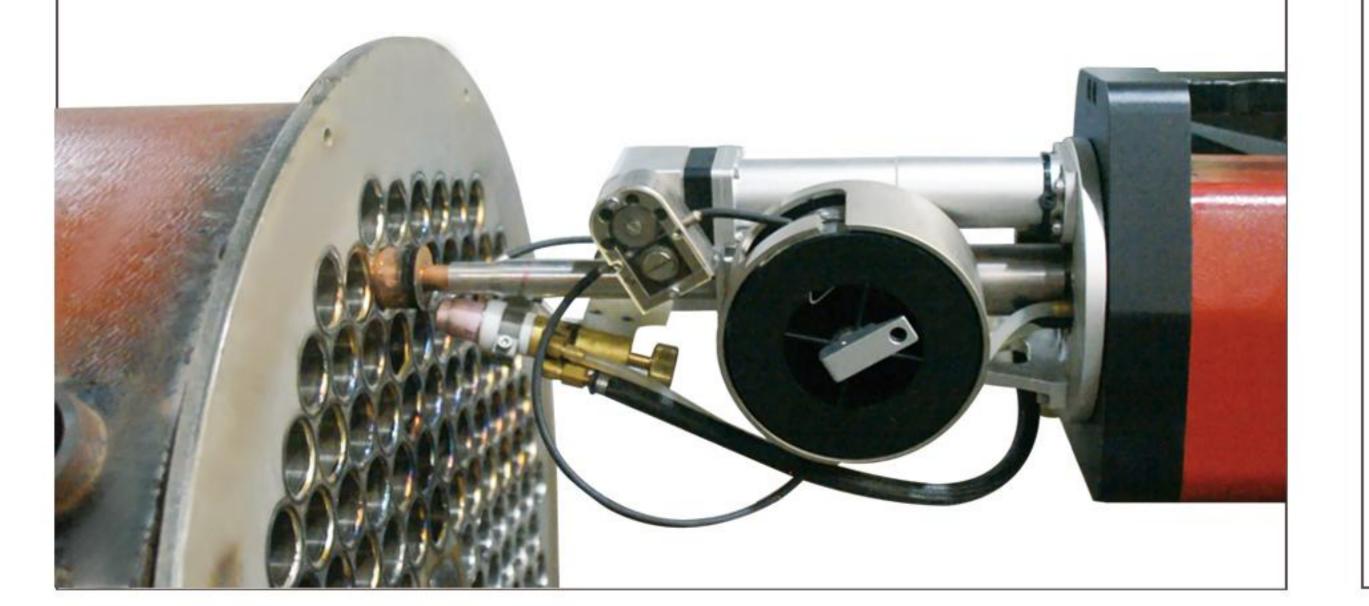
1. Simple installation, save time and other cost

Feature of water chiller

- 2. Shorten the ice making time, improve the ice making efficiency
- 3. Adopt the plate heat exchanger, longer lifetime, good temperature conductivity, good air tightness, tear resistance, anti-aging ect.

Welding for evaporator

We adopt the latest intelligent welding technology, it makes sure the water and the refrigerant is separated roughly. It prevents the manual welding may bring the manual error, so that equipment will be more secure.

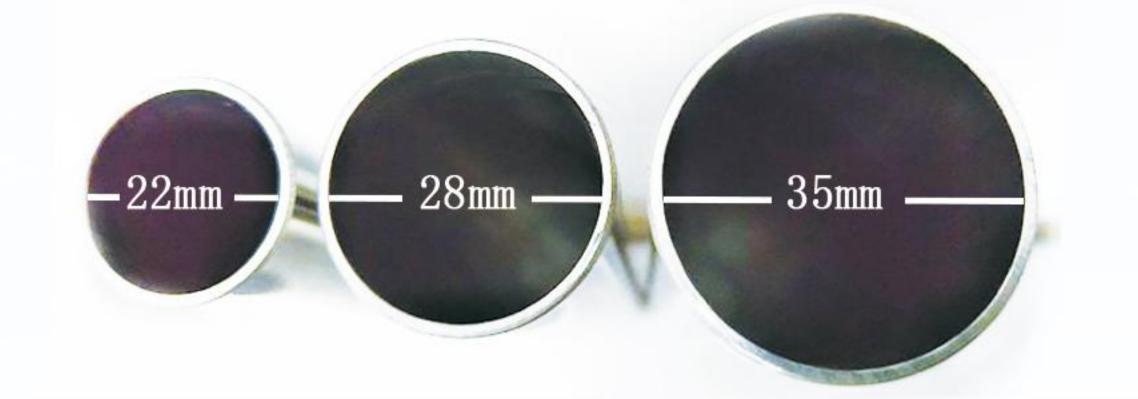




Adopt imported stainless steel 304 tube ice, they are the edible standard material so it makes sure the sanitary and health of the ice.

Stainless steel 304 has the features of corrosion resistance, heat resistance, resistance to stamping, bending resistance and long lifetime.

There are three external diameter for option:

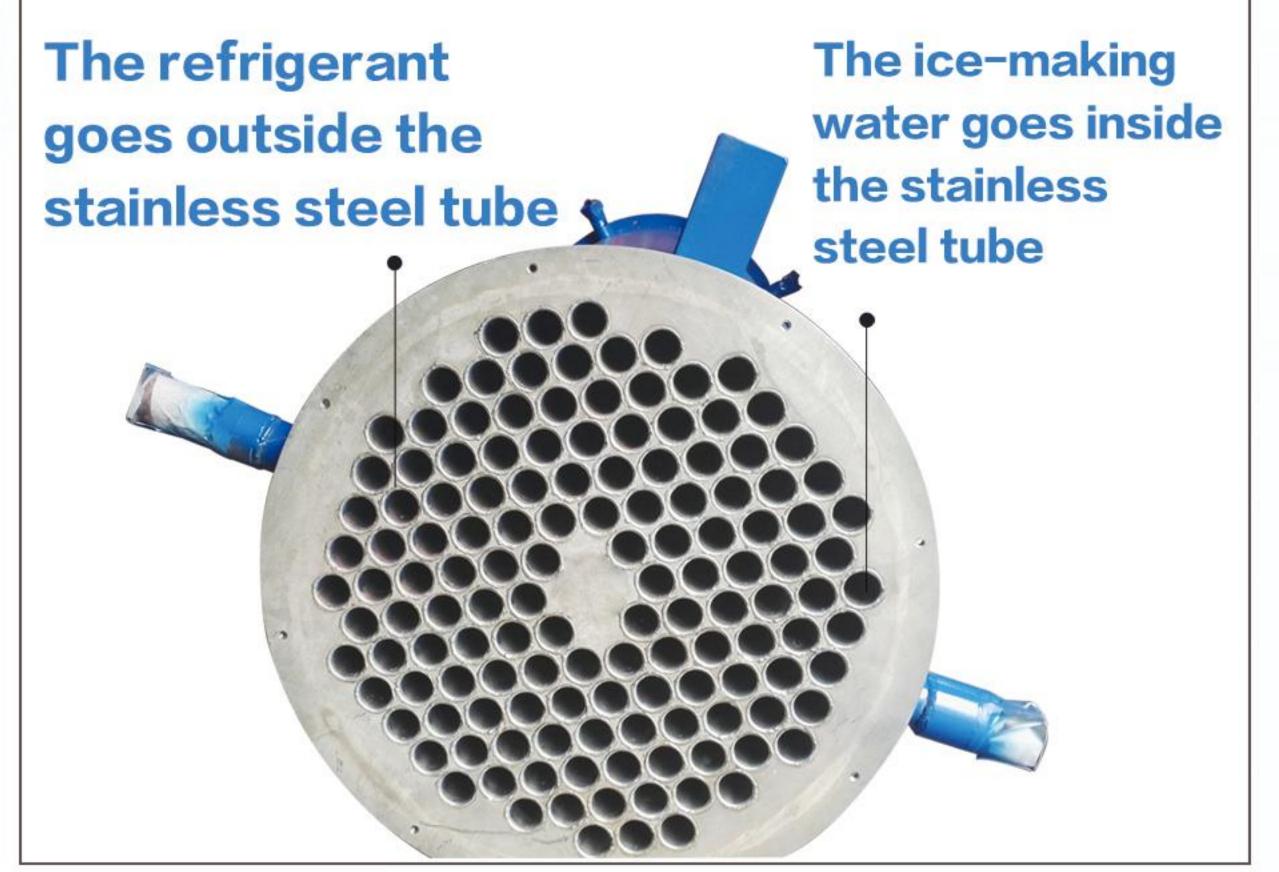


Well-welded evaporator

22mm, 28mm and 35mm.

Put the stainless steel tube inside the evaporator round hole, use the intelegent welding to weld.

The purpose of welding: the refrigerant go inside the shell pass, the ice making water goes inside the tube pass, the welding junction is to separate the refrigerant and ice-making water thoroughly, it can prevent the water go into the refrigeration system and make sure it can make the ice smoothly.



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Edible tube ice cases

CBFI Edible Tube Ice Machine, has exported to many countries and regions and got good reputation from customers in domestic and abroad!



Chongqing 20 tons Tube Ice Machine



Zhengzhou 60 tons Tube Ice Machine



Italian 60 ton solid tube ice machine



Ireland 120 tons of edible tube ice factory



South Korea 60 tons





Poland 30 tons stainless steel tube ice factory



Indonesia 2 set 30 ton tube icemachine



Malaysia 30 tons tube ice machine

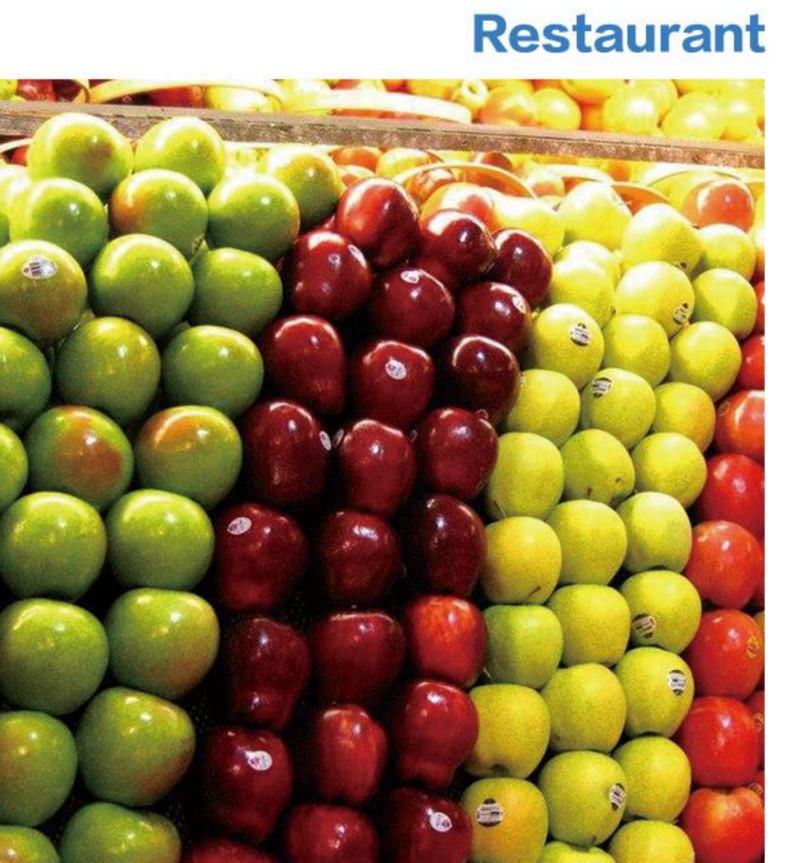
Application of Tube Ice

The tube ice is crystal and transparent, it wins the favor from customers. Tube ice melting resistance is good, suitable for drinking products modulation, food preservation, medical applications, etc. are mostly edible ice.



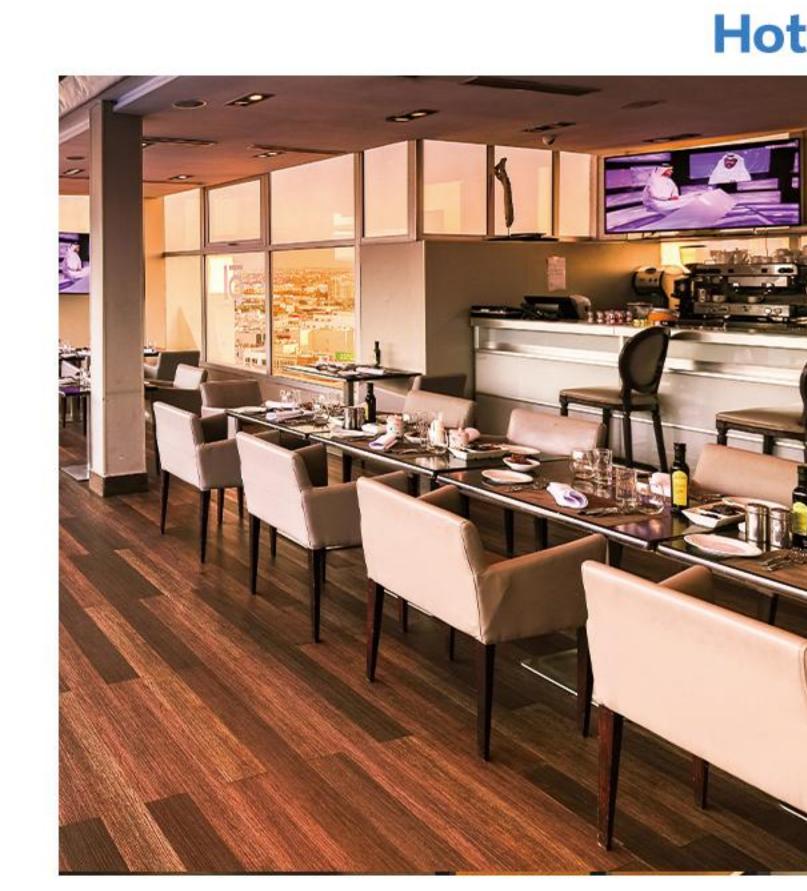
Iced





Fruit and vegetable supermarkets





Fast-food restaurant



Seafood Preservation

Cold Drink Store